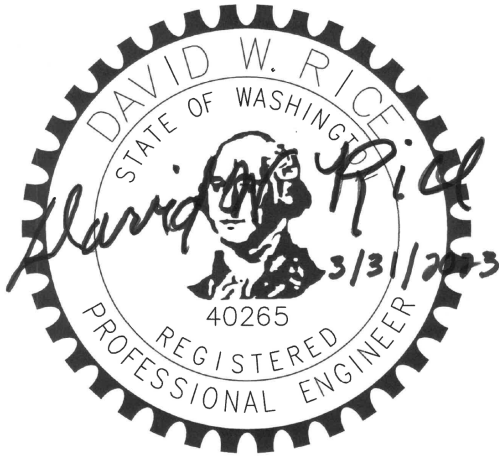


# Appendix H

## Stormwater Design Report

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This report was prepared by the staff of Anchor QEA, LLC, under the supervision of the Engineer whose seal and signature appears hereon, as required by Chapters 18.43 and 18.220, Revised Code of Washington (RCW).

The finding, recommendations, specifications, or professional opinions are presented within the limits described by the client, in accordance with generally accepted professional engineering practice. No warranty is expressed or implied.

March 2023  
Former Reynolds Metals Reduction Plant – Longview



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# Stormwater Design Report

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# TABLE OF CONTENTS

<b>1</b>	<b>Introduction .....</b>	<b>1</b>
1.1	Site Description.....	1
1.2	Purpose .....	1
1.3	Regulatory Review and Compliance .....	2
1.3.1	Stormwater Management Manual for Western Washington.....	2
1.3.2	Cowlitz County Construction Permit Requirements .....	2
1.3.3	NPDES Discharge Permit No. WA 000008-6.....	3
1.4	Report Organization.....	3
<b>2</b>	<b>Project Overview .....</b>	<b>5</b>
2.1	Cleanup Action and Resulting Changes to Site.....	5
2.2	Stormwater Design Criteria .....	6
<b>3</b>	<b>Existing Stormwater Infrastructure and Drainage Basins.....</b>	<b>8</b>
3.1	Existing Stormwater Infrastructure .....	8
3.1.1	Facility 77 .....	8
3.1.2	Facility 73.....	8
3.1.3	Storm Drains, Ditches, and Other Collection Facilities.....	10
3.1.4	Pump Station 004.....	11
3.1.5	U-Ditch and Former Leachate Ditch.....	11
3.2	Stormwater Drainage Basins.....	12
<b>4</b>	<b>Post-Cleanup Drainage Basins .....</b>	<b>15</b>
<b>5</b>	<b>Minimum Stormwater Requirements .....</b>	<b>18</b>
5.1	Minimum Requirement 1 – Preparation of a Stormwater Site Plan .....	19
5.2	Minimum Requirement 2 – Construction Stormwater Pollution Prevention .....	19
5.3	Minimum Requirement 3 – Source Control of Pollution .....	20
5.4	Minimum Requirement 4 – Preservation of Natural Drainage Systems and Outfalls .....	21
5.5	Minimum Requirement 5 – On-Site Stormwater Management.....	21
5.6	Minimum Requirement 6 – Runoff Treatment.....	22
5.7	Minimum Requirement 7 – Flow Control.....	23
5.8	Minimum Requirement 8 – Wetland Protection.....	23
5.9	Minimum Requirement 9 – Operations and Maintenance .....	23

<b>6</b>	<b>Hydrologic Analysis.....</b>	<b>24</b>
6.1	Hydrologic Model Inputs .....	24
6.2	Summary of Results.....	25
<b>7</b>	<b>Hydraulic Analysis.....</b>	<b>30</b>
7.1	Hydraulic Model Overview .....	30
7.2	Hydraulic Model Inputs and Scenarios.....	30
7.3	Hydraulic Modeling Results .....	32
7.3.1	Impacts of Cleanup Action.....	42
7.3.2	Evaluation of Recommended Improvements .....	43
<b>8</b>	<b>Summary of Stormwater Improvements and Temporary Stormwater Control Facilities.....</b>	<b>44</b>
8.1	Stormwater Improvements.....	44
8.1.1	West Landfill .....	44
8.1.2	East Landfills .....	46
8.1.3	West Landfill and East Landfill Force Mains to Outfall 002A.....	48
8.2	Temporary Stormwater Control Facilities .....	49
8.2.1	West Landfill .....	50
8.2.2	East Landfills .....	50
<b>9</b>	<b>References .....</b>	<b>52</b>



## **TABLES**

Table H3-1	Existing Drainage Basin Summary .....	13
Table H4-1	Post-Cleanup Drainage Basin Summary .....	17
Table H6-1	Hydrologic Model Results Summary, Existing Conditions.....	27
Table H6-2	Hydrologic Model Results Summary, Post-Cleanup Conditions.....	28
Table H7-1	Descriptions of Hydraulic Model Scenarios.....	31
Table H7-2	Capacities of Key System Components and Other Model Input Parameters .....	32
Table H7-3	Summary of Hydraulic Model Analysis – 25-Year Event.....	34
Table H7-4	Summary of Hydraulic Model Analysis – Peak Volume Event.....	36
Table H7-5	Summary of Hydraulic Model Analysis – 25-Year Event.....	38
Table H7-6	Summary of Hydraulic Model Analysis – Peak Volume Event.....	40
Table H7-7	Summary of Impacts – Existing System Under Existing and Post Cleanup Conditions.....	43

## **FIGURES**

Figure H2-1	Project Vicinity and Site Features
Figure H2-2	Cleanup Action Areas
Figure H3-1	Existing Drainage Basins and Impervious Land Cover
Figure H4-1	Post-Cleanup Drainage Basins and Impervious Land Cover
Figure H8-1	Overview of Stormwater Improvements

## **ATTACHMENTS**

Attachment H1	Hydrologic Analysis Results
Attachment H2	Hydraulic Analysis Results

## ABBREVIATIONS

BMP	Black Mud Pond
CAP	<i>Cleanup Action Plan</i>
CCC	Cowlitz County Code
CDID	Consolidated Diking Improvement District
cf	cubic feet
cfs	cubic feet per second
CPE	corrugated polyethylene
DR	dimension ratio
Drainage Manual	<i>Cowlitz County Stormwater Drainage Manual</i>
Ecology	Washington State Department of Ecology
ELF Pump Station	East Landfill Pump Station
EPP	Environmental Protection Plan
Final EDR	<i>Final Engineering Design Report, Version 2</i>
Former Reynolds Plant	former Reynolds Metals Reduction Plant
fps	feet per second
GCL	geosynthetic clay liner
gpm	gallons per minute
HDPE	high density polyethylene
hp	horsepower
MG	million gallons
MGD	million gallons per day
MR	minimum requirement
MTCA	Model Toxics Control Act
N/A	not applicable
NPDES	National Pollutant Discharge Elimination System
NTU	nephelometric turbidity unit
PGHS	pollution-generating hard surface
PGPS	pollution-generating pervious surfaces
rpm	revolutions per minute
RWMP	<i>Remediation Water Management Plan</i>
SSP	Stormwater Site Plan
Stormwater Report	<i>Stormwater Design Report</i>
SU	site unit
SWMM	Stormwater Management Model
SWMMWW	<i>Stormwater Management Manual for Western Washington</i>

SWPPP	Stormwater Pollution Prevention Plan
TDA	Threshold Discharge Area
TESC	Temporary Erosion and Sediment Control
TSC	temporary stormwater control
VFD	variable frequency drive
WLF Pump Station	West Landfill Pump Station
WWHM2012	2012 Western Washington Hydrologic Model
WWTP	industrial wastewater treatment plant

# 1 Introduction

This *Stormwater Design Report* (Stormwater Report) summarizes the analysis and design of stormwater improvements needed to support the cleanup action for the former Reynolds Metals Reduction Plant (Former Reynolds Plant) in Longview, Washington. Also included are the analysis and design for the temporary stormwater control (TSC) facilities that are needed to manage remediation water during construction of the cleanup action. This Stormwater Report is an appendix to the *Final Engineering Design Report, Version 2* (Final EDR), prepared in accordance with the cleanup action as specified in the *Cleanup Action Plan* (CAP; Ecology 2018a) pursuant to Consent Decree No. 18-2-01312-08 (Ecology 2018b).

## 1.1 Site Description

The site is located at 4029 Industrial Way near Longview, Washington, in unincorporated Cowlitz County. The property includes approximately 460 acres and is currently operated as a multimodal bulk materials handling facility. The site is relatively flat and is approximately 10 feet above mean sea level and bounded by the Columbia River to the south; Consolidated Diking Improvement District (CDID) drainage ditches to the north, west, and east; Industrial Way along the northern boundary; and private property to the east.

## 1.2 Purpose

The purpose of this appendix is to summarize the analysis and design of stormwater facilities needed to support the cleanup action at the site. Once implemented, the cleanup action will result in modifications to the land cover at the site that will increase the rate and volume of stormwater runoff. This Stormwater Report supports the Final EDR by demonstrating that appropriate stormwater improvements will be implemented with the cleanup action to capture, convey, and treat stormwater runoff from the site in a way that achieves the following:

- Compliance with the minimum requirements (MRs) for stormwater management outlined in the *Stormwater Management Manual for Western Washington* (SWMMWW; Ecology 2019)
- Compliance with local (Cowlitz County) permitting requirements

This Stormwater Report also summarizes the analysis and design of TSC facilities needed to capture and route remediation water during construction of the cleanup action. However, compliance with the remediation water component of the National Pollutant Discharge Elimination System (NPDES) permit will be managed under the *Remediation Water Management Plan* (RWMP), which is included as Appendix K of the Final EDR.

## 1.3 Regulatory Review and Compliance

Because the cleanup is being regulated by the Model Toxics Control Act (MTCA; Ecology 2007), the cleanup action must comply with the substantive requirements of the Cowlitz County Grading Ordinance (Cowlitz County Code [CCC] 16.35), Cowlitz County stormwater drainage code (CCC 16.22), and *Cowlitz County Stormwater Drainage Manual* (Drainage Manual; Cowlitz County 2017). Per MTCA, the cleanup action is procedurally exempt from these administrative permit requirements. The Drainage Manual outlines Cowlitz County's MRs for stormwater control for projects that disturb land and trigger the requirement for drainage review by Cowlitz County. The Drainage Manual generally adopts the MRs outlined in the SWMMWW (Ecology 2019). Although the cleanup action is procedurally exempt from Cowlitz County's drainage review requirements and process, the MRs and design guidance provided in the Drainage Manual and the SWMMWW have been considered as part of the design of stormwater improvements needed to support the cleanup action. This subsection briefly describes the SWMMWW requirements (additional details are included in Section 5) and also briefly discusses the NPDES permit requirements for capturing, storing, and routing remediation water so that it may be evaluated for fluoride before being treated.

### 1.3.1 *Stormwater Management Manual for Western Washington*

The Drainage Manual (Cowlitz County 2017) adopts the thresholds, definitions, MRs, exceptions, adjustments, and variance criteria found in Appendix 1 of the Western Washington Phase II Municipal Stormwater Permit. General compliance with the MRs outlined in the SWMMWW (Ecology 2019) and the Drainage Manual has been assumed as a basis for design of the stormwater improvements needed to support the final cleanup action conditions. More details on the SWMMWW requirements are in Section 5.1.

### 1.3.2 *Cowlitz County Construction Permit Requirements*

One of the purposes of the Cowlitz County stormwater drainage code (CCC 16.20) is to control stormwater runoff resulting from earth changes during and after construction activities. Stormwater management in rural areas of Cowlitz County is regulated by CCC 16.20. The construction activities summarized in this report will result in substantial land disturbance and grading, which would typically require a fill-and-grade permit from Cowlitz County. However, as noted in Section 1.3, the cleanup action is regulated under MTCA and is procedurally exempt from Cowlitz County permitting requirements and processes. The project still must meet the substantive requirements of these regulations. Typically, application for a Cowlitz County fill-and-grade permit would trigger an initial determination of whether a detailed stormwater review is required for a project based on the area of impervious surface to be added and the percentage of the overall site that will be covered with impervious surfaces following construction activities. The project is procedurally exempt from this

review process. However, it is assumed that the cleanup action and subsequent work will generally be consistent with the MRs outlined in the Drainage Manual (Cowlitz County 2017). These are described in more detail in Section 5.

### 1.3.3 NPDES Discharge Permit No. WA 000008-6

The site's NPDES individual permit No. WA 000008-6 was issued by the Washington State Department of Ecology (Ecology) on February 7, 2018, and the permit became effective March 1, 2018 (Ecology 2018c). The permit is for the discharges currently occurring at the site and for those discharges that will occur during remediation and future redevelopment.

Permit Condition S1.E of the NPDES permit requires the management of remediation water. The permit defines remediation water as "contaminated groundwater from the upper shallow water-bearing zone of the East and West Groundwater Areas and stormwater that commingles with contaminated groundwater and/or contaminated soils." Remediation water generated during the cleanup must be captured, stored, evaluated for fluoride, and treated. Compliance with Permit Condition S1.E. will be managed through the NPDES permit and the RWMP (Appendix K of the Final EDR). The capture, routing and storing of remediation water is analyzed in this Stormwater Report, and the design details for the TSC facilities are discussed in Section 8.2.

## 1.4 Report Organization

This report is organized into the following sections:

- **Section 1 – Introduction** provides the site description, report purpose, overview of regulatory review and compliance, and report organization.
- **Section 2 – Project Overview** includes an overview of existing land use at the site, site topography and natural drainage patterns, vegetation, and critical areas. It also describes changes to the site that will result from the cleanup action, as well as design criteria for stormwater improvements needed to support the cleanup action.
- **Section 3 – Existing Stormwater Infrastructure and Drainage Basins** describes the site's existing drainage basins and outfalls, quantifies impervious and pervious land cover, and summarizes major components of the site's existing stormwater infrastructure.
- **Section 4 – Post-Cleanup Drainage Basins** provides information on the post-cleanup site conditions and drainage basins and quantifies post-cleanup impervious and pervious land cover.
- **Section 5 – Minimum Stormwater Requirements** describes requirements of the SWMMWW (Ecology 2019) and Cowlitz County that apply to the design and operation of the stormwater improvements needed to support the cleanup action.

- **Section 6 – Hydrologic Analysis** describes the hydrologic analysis conducted using the 2012 Western Washington Hydrologic Model (WWHM2012) for the site, including an overview of the model, the model inputs, and a summary of hydrologic analysis results.
- **Section 7 – Hydraulic Analysis** describes the hydraulic analysis performed using the Stormwater Management Model (SWMM) for the site, including an overview of the model, the model inputs and scenarios modeled, and a summary of hydraulic analysis results and identified impacts.
- **Section 8 – Stormwater Improvements and Temporary Stormwater Control Facilities** provides a summary of permanent stormwater improvements that will be needed to support the cleanup action and address the impacts of the cleanup action identified as part of the hydraulic analysis. It also summarizes the TSC facilities that will be needed to manage remediation water during construction of the cleanup action.
- **Section 9 – References** includes a list of references cited throughout the report.

In addition, supporting material can be found in the following Stormwater Report attachments:

- **Attachment H-1** includes hydrologic analysis results.
- **Attachment H-2** includes hydraulic analysis results.

## 2 Project Overview

The site comprises approximately 460 acres and is bounded by the Columbia River on the south and drainage ditches on the north, east, and west (Figure H2-1). The drainage ditches are operated by CDID No. 1. CDID also manages the levee located within the site along the Columbia River shoreline. The ditches include CDID Ditch No. 14 to the west, CDID Ditch No. 10 to the north, and CDID Ditch No. 5 to the northeast. The property is bordered by a Nippon Dynawave Packaging Co. industrial facility to the east.

Numerous ditches also collect stormwater runoff and shallow groundwater within the site. These on-site ditches, in conjunction with a network of storm drains, hydraulic structures, pump stations, and force mains, convey stormwater runoff to either the on-site industrial wastewater treatment plant (WWTP; Facility 71) or the Retention Basin and Filter Plant (Facility 73) for treatment prior to discharge to the Columbia River through Outfall 002A. A stormwater ditch that runs along the north side of the site currently conveys non-industrial stormwater runoff from portions of the site through Outfall 003C to CDID Ditch No. 10.

The topography of the site varies by location. Overall, the site is relatively flat and generally slopes down from the Columbia River levee to the north and northeast toward the CDID ditches that border the site. Roadways, railroad berms, and other human-made features help define the topography and drainage basin boundaries at the site.

### 2.1 Cleanup Action and Resulting Changes to Site

The cleanup action involves excavating and consolidating contaminated materials and capping other contaminated materials on site with low permeability engineered caps (Figure H2-2). The cleanup action focuses on 11 distinct site units (SUs) and two areas of affected groundwater that were identified during site investigations. The SU1 and SU2 remediation areas currently compose a relatively flat area that is bounded to the south by the Columbia River levee and to the north by relatively large parallel on-site drainage ditches referred to as the U-Ditch. SU1 and a portion of SU2 will be collectively referred to as the West Landfill after waste consolidation. The remediation areas on the south and east sides of the site are also relatively flat, with some mounding in the SU6 and SU7 remediation areas that has resulted from landfilling contaminated materials at those locations. SU6 and SU7 will be referred to as the East Landfills (Nos. 1 and 2) after waste consolidation. Detailed descriptions and design details for the cleanup action are provided in the Final EDR, to which this Stormwater Report is an appendix. The cleanup action is also illustrated in Figure H2-2.

The construction of low permeability caps over the West Landfill (former SU2) and East Landfill Nos. 1 and 2 (former SU7 and SU6, respectively) will increase the rate and volume of stormwater runoff from those areas. The changes in stormwater runoff and volume will trigger the need for



improvements to the existing on-site stormwater collection and conveyance systems. The purpose of this Stormwater Report is to summarize the analysis and design of those stormwater improvements, as well as those needed to for the management of remediation water.

## 2.2 Stormwater Design Criteria

The primary criteria for permanent stormwater improvements at the site is that the design meet the MRs of the Drainage Manual (Cowlitz County 2017) and the SWMMWW (Ecology 2019). The following are the specific criteria that have been used to guide the design of stormwater improvements:

- Improvements have been designed to control stormwater runoff from the remediated site so that flow rates do not exceed the capacity of the Facility 73 Retention Basin, Pump Station C, and Filter Plant, which is currently 13.4 cubic feet per second (cfs) and equal to 8.6 million gallons per day (MGD) if the system operates at peak capacity continuously for 24 hours.
- Improvements have been designed to prevent shallow on-site flooding for storm events up to the 25-year storm.
- To the extent possible, improvements have been designed to limit the extent of shallow on-site flooding during the peak runoff volume event, which was evaluated as the 2-week period on historical record with the highest total volume of stormwater runoff.
- Runoff from the caps placed over the West Landfill and East Landfills will be clean and will not require treatment unless that runoff comingles with other runoff or groundwater at the site. Ditches, storm drains, pump station, force mains, and other facilities designed to collect and convey stormwater runoff from the caps over the West Landfill and East Landfills are designed so that runoff remains segregated from other site runoff and groundwater. Treatment will not be required for this runoff, and the runoff will be discharged directly to the Columbia River through Outfall 002A.

The following criteria have been used to guide the analysis for TSC facilities needed to collect and convey remediation water during construction:

- Remediation water collected during construction will be managed as required by NPDES individual permit No. WA 000008-6 and as outlined in the RWMP (Appendix K of the Final EDR). Runoff and groundwater from areas disturbed by the cleanup project in the East and West Groundwater Areas will be collected and managed as remediation water.
- TSC facilities have been designed to collect and convey all remediation water to Facility 77, where remediation water will be batched and monitored for fluoride content.
- TSC facilities have been sized to prevent shallow on-site flooding for storm events up to the 25-year storm.
- To the extent possible, improvements have been incorporated to limit the extent of shallow on-site flooding during the peak runoff volume event, which was evaluated as the 2-week

period on historical record with the highest total volume of stormwater runoff. This is applicable between construction seasons when wet weather runoff from the temporarily covered East Landfill Nos. 1 and 2 will be captured.

## 3 Existing Stormwater Infrastructure and Drainage Basins

Stormwater runoff within the existing property is managed by infiltration or evaporation and by a complex stormwater collection, conveyance, and treatment system. The existing infrastructure and stormwater drainage basins are depicted in Figure H3-1 and described in Sections 3.1 and 3.2, respectively.

### 3.1 Existing Stormwater Infrastructure

Existing stormwater infrastructure relevant to the cleanup action is described in this section.

#### 3.1.1 Facility 77

Facility 77 consists of a sump, pump station, and thickener tanks. Stormwater runoff from Drainage Basins 2.1, 2.2, 2.3, and 2.4 is conveyed by gravity or pumped to the sump at Facility 77. Treated wastewater from Facility 71, the site's WWTP, is also discharged to the sump at Facility 77.

Commingled water collected in the sump is then pumped to the Retention Basin at Facility 73. Facility 77 includes one duty pump and three standby pumps. The standby pumps alternate as backup to the duty pump and operate based on float controls only when the sump fills beyond a level that can normally be handled by the duty pump. The duty pump has capacity to handle most of the flows that are captured in the sump at Facility 77. Each of the pumps has a 125-horsepower, 1,200-revolutions-per-minute (rpm) motor and is capable of delivering up to 8,500 gallons per minute (gpm; 18.9 cfs).

Facility 77 also includes three tanks, referred to as the thickener tanks, that have been used to manage water from the site. The tanks each have a capacity of approximately 640,000 gallons.

#### 3.1.2 Facility 73

Facility 73 is a stormwater treatment system that includes a Retention Basin, Pump Station C, and a Filter Plant. Facility 73 was designed and constructed to provide treatment for combined flow sources, including stormwater runoff, untreated process wastewater, and treated effluent from Facility 71. Stormwater runoff from Drainage Basins 2.1, 2.2, 2.3, and 2.4 (Figure H3-1) and limited wastewaters are routed through Facility 73 prior to discharge to Outfall 002A. The following subsections provide additional information about the key components of the Facility 73 stormwater treatment system.

##### 3.1.2.1 Retention Basin

The Retention Basin has a capacity of approximately 1.9 million gallons (MG) at the outlet launder weir elevation and is designed to retain approximately 397,000 gallons of sediment/sludge and approximately 1.6 MG of liquid. The design flow-through capacity of the facility is 8.6 MGD (13.4 cfs), which provides roughly 5.6 hours of retention time for settling of solids while also providing quiescent flow conditions to facilitate oil and grease removal through its rise within the water

column to the surface of the basin. Oil and grease that accumulate on the Retention Basin water surface are intercepted, collected, and contained using a floating oil boom, an oil skimmer, and a 500-gallon storage tank, respectively.

Two streams of influent water enter the Retention Basin: the commingled flows from Facility 77 and recirculated backwash water from the Filter Plant. The sources of influent are each pumped into the head (west) end of the basin through diffuser pipes. Influent pumped from Facility 77 to the Retention Basin is discharged through a header pipe that is 115 feet long and 12 inches in diameter and has 47 equally spaced orifices along its length at the head of the basin; each orifice is 2 inches in diameter. The average exit velocity through the orifices is approximately 13 feet per second (fps) at the design flow rate.

### **3.1.2.2 Pump Station C**

Pump Station C is located downstream of the Retention Basin and upstream of the Filter Plant. Treated effluent from the Retention Basin overflows the outlet launder weir and flows through seven 12-inch polyethylene drains by gravity to a drain line that discharges to the Pump Station C sump. Pump Station C pumps the effluent from the Retention Basin through the Filter Plant via force main piping. A turbidity meter located on the force main piping inside the Filter Plant provides continuous monitoring of turbidity. Routing of water through the filtration system is automatically initiated based on the turbidity level of the effluent from the Retention Basin.

Turbidity is used as a surrogate for total suspended solids with respect to water quality for discharge under the NPDES permit. Pump Station C pushes treated effluent from the Retention Basin through the Filter Plant directly to Outfall 002A and to the Columbia River.

Pump Station C is designed and equipped to operate up to two 100-horsepower vertical radial flow pumps to deliver a rated design flow of 8.6 MGD (13.4 cfs) at a total dynamic head of 56 feet. A third standby pump was included in the design and construction of the pump station. The third pump is identical to the other two pumps and provides redundancy in the event of failure or operational problems with one of the two duty pumps.

The pumps are operated using an automatic variable-speed flow control; the station adjusts the pump flow rate based on the water level within the sump. The pump station operates at a flow rate necessary to maintain a water level within the sump between programmed upper and lower limit set points. The pumps are programmed to run alternately to provide equal run time for each pump.

### **3.1.2.3 Filter Plant**

If the turbidity of the discharge from Pump Station C to the Filter Plant is greater than 15 nephelometric turbidity units (NTU) for 20 minutes, valves are triggered to open and close so that the effluent is automatically routed through the filtration system for additional treatment prior to

discharging through Outfall 002A to the Columbia River. Filtration continues until the measured influent turbidity decreases to 10 NTU for 50 minutes, at which point the valves return to their original position and the effluent from Pump Station C is no longer diverted to the filtration system and is discharged directly through Outfall 002A to the Columbia River.

The Filter Plant is designed to provide on-demand, additional treatment for further removal of solids and oil and grease from treated effluent from the Retention Basin. A system of continuous monitoring equipment and automatic control valves is in the Filter Plant to direct pumped outflows from the Retention Basin based on measured discharge turbidity levels, provide for backwash of the filters, and circulate backwashed water to the Retention Pond. The Filter Plant is capable of treating up to 8.6 MGD (13.4 cfs), which is equal to the Pump Station C and Retention Basin design flow rates.

#### **3.1.2.4 Outfall 002A Pipeline**

The Outfall 002A pipeline is 30 inches in diameter and conveys treated effluent from Facility 73 to the Columbia River. The outfall was originally sized to handle higher flow rates than are currently conveyed through the pipeline. When the plant was operating at full capacity, higher flow rates from treated process wastewater, treated stormwater, and directly discharged non-contact cooling water were discharged through the outfall pipe. The outfall currently only conveys flows discharged from Facility 73 (up to 8.6 MGD [13.4 cfs]).

A 20-inch pipeline conveys water from Facility 73 to a manifold located adjacent to the Facility 77 Sump/Pump Station. Flows are routed through a loop and a 20-inch magnetic flow meter that was installed on the manifold in 2011. The meter was added to improve the accuracy of outfall flow measurements, which were historically monitored with an annubar system that is in a vault on the outfall pipe approximately 300 feet from the manifold at Facility 77. The annubar system was designed for accuracy at higher flow rates. The new meter provides more accurate flow measurement at the lower flow rates that are currently discharged from the Facility 73 Filter Plant to Outfall 002A. From the annubar system, the outfall pipeline passes through a compliance monitoring point, crosses under the CDID levee, and terminates at a multiport diffuser approximately 625 feet from the centerline of the CDID levee.

### **3.1.3 Storm Drains, Ditches, and Other Collection Facilities**

Stormwater runoff from the site is collected in a series of catch basins, manholes, ditches, and pipes. Runoff from Drainage Basins 2.1 and 2.3 drain by gravity to the sump at Facility 77. Runoff from Drainage Basin 2.2 drains to the sump at Pump Station 004, where it is pumped through a force main back to a connection with the gravity storm drain system at a manhole in Drainage Basin 2.1. Runoff from Drainage Basin 2.4 drains to the sump at Pump Station 006, where it is pumped through a force main to the U-Ditch, which drains by gravity to the sump at Facility 77. Stormwater runoff collected in the sump at Facility 77 is pumped to Facility 73 for treatment prior to discharging through

Outfall 002A to the Columbia River. The other drainage basins impacted by the cleanup have limited or no drainage infrastructure. Runoff from these areas, which are mostly very flat, generally ponds and evaporates or infiltrates.

### *3.1.4 Pump Station 004*

Pump Station 004 consists of a sump and pump station located in the northeast corner of the site at the low point in Drainage Basin 2.2. Stormwater runoff from Drainage Basin 2.2 is conveyed to the pump station by gravity through a series of ditches that run along the perimeter of the East Landfills (SU6 and SU7). Pump Station 004 currently has one active 5-horsepower pump that pumps stormwater runoff through a 6-inch force main to a stormwater manhole located in the southeast corner of Drainage Basin 2.1, where it then flows by gravity to Facility 77. The water is then pumped from Facility 77 to Facility 73 for treatment prior to being discharged to the Columbia River through Outfall 002A. Pump Station 004 originally included two 5-horsepower vertical pumps with motors on top of a slab above the sump. The original pumps were removed, and a single 5-horsepower submersible pump was installed on rails in the sump within the last 10 years.

### *3.1.5 U-Ditch and Former Leachate Ditch*

The U-Ditch is composed of a series of earthen drainage ditches located on the west side of the site in Drainage Basin A. Two branches of the U-Ditch (north branch and south branch) run parallel to each other along the north edge of Drainage Basin A and are separated by a vegetated berm. The two branches converge west of Facility 73, where flow from the south branch discharges over a small rock weir into the north branch. The U-Ditch collects some stormwater runoff during peak flow events from Drainage Basin A as well as pumped stormwater runoff that drains to the Outfall 006 Reroute Pump Station from vegetated surface of the Closed Black Mud Pond (BMP; Drainage Basin 2.4).

The south branch of the U-Ditch is wider and shallower than the north branch; the south branch has an average base width of approximately 50 feet and an average invert elevation of approximately 5 feet. The north branch has an average base width of approximately 10 feet and an average invert elevation of approximately 2 feet. There is a small berm where the two branches connect; the south branch of the U-Ditch must fill to an elevation of approximately 7.1 feet before runoff discharges over a rock weir over into the north branch. The west half of the north branch of the U-Ditch was bermed off from the rest of the U-Ditch when the BMP Facility was closed. Historically, leachate water collected in this ditch during the years while the BMP was dewatering. Dewatering ceased in 2000, and the leachate collection system was disconnected. Water collected in this segment of ditch, now referred to as the former leachate ditch, is pumped directly to one of the thickener tanks and is then routed through treatment before discharging through Outfall 002A. Water collected in the other segments of the U-Ditch drains via gravity through a downstream ditch and culverts to the sump at Facility 77.

## 3.2 Stormwater Drainage Basins

Existing stormwater drainage basins, including areas of impervious surface, are described in this section. This detail is provided because the existing, or baseline, stormwater conditions have been modeled so that current flows can be compared to final cleanup action stormwater conditions.

**Drainage Basins 2.1 and 2.3.** Drainage Basin 2.1 drains approximately 88.7 acres of the site, including the North Plant, cast houses, Former South Plant area, and other facilities associated with the current operation of the site as a bulk materials handling facility. Drainage Basin 2.3 drains approximately 9.4 acres that were formerly used as the flat storage area. Waters from Drainage Basins 2.1 and 2.3 are collected and conveyed through a network of catch basins and storm drains to the sump and pump station at Facility 77. Water is then pumped from Facility 77 to Facility 73 for treatment prior to discharging through Outfall 002A to the Columbia River.

**Drainage Basin 2.2.** Drainage Basin 2.2 drains approximately 27.9 acres. Stormwater runoff generated in Drainage Basin 2.2 currently drains by gravity to a network of ditches that drain to Pump Station 004, near the northeast corner of the site. Runoff is pumped via Pump Station 004 and an associated 6-inch force main back to a connection with the storm drain system near the Former South Plant. The runoff then drains through the storm drain system to Facility 77 and is pumped to Facility 73 for treatment prior to discharging through Outfall 002A to the Columbia River.

**Drainage Basin 2.4.** Drainage Basin 2.4 drains approximately 33.1 acres of the vegetated surface over the clean cap covering the Closed BMP Facility. Runoff from Drainage Basin 2.4 is conveyed through a vegetated swale and short length of culvert to a sump and reroute pump station, where it is pumped through a 6-inch force main into the U-Ditch. Runoff collected in the U-Ditch flows by gravity to Facility 77. The design flow for the reroute pump station is 400 gpm and provides capacity for rerouting approximately 97% of the runoff volume to Facility 77 from Drainage Basin 2.4. Runoff exceeding the capacity of the reroute pumps overflows an internal weir within the reroute sump and discharges through Outfall 006 to CDID Ditch No. 14.

**Drainage Basin 3.** Drainage Basin 3 drains approximately 57.5 acres, including the neighboring Bonneville Power Administration Transformer Yard and areas near the entrance to the site, administration building, old laboratory, engineering building, parking facilities, and former cable plant. Stormwater runoff generated in Drainage Basin 3 that does not pond, evaporate, or infiltrate on-site drains by gravity to vegetated ditches and discharges to CDID Ditch No. 10 via Outfall 003C.

**Drainage Basin 5.** Drainage Basin 5 drains approximately 17.2 acres, including mostly undeveloped areas at the west end of the site, between the former cable plant and the Closed BMP Facility. No industrial activities currently occur or have historically occurred in this basin. Stormwater runoff generated in Drainage Basin 5 drains by gravity to vegetated ditches and a wetland area along the west edge of the site, where it then evaporates or infiltrates into underlying soils.

**Drainage Basin A.** Drainage Basin A drains approximately 40.5 acres of mostly pervious surface. Stormwater runoff generated in Drainage Basin A primarily ponds locally and evaporates or infiltrates into the soil. Larger runoff events may cause runoff to overflow to the U-Ditch, which discharges runoff to the sump at Facility 77, where runoff is routed for treatment prior to discharging to the Columbia River through Outfall 002A.

The west portion of the north fork of the U-Ditch, which is located in Drainage Basin A and is referred to as the former leachate ditch, was separated from the rest of the U-Ditch system with a berm when the Closed BMP (Drainage Basin 2.4) was capped and closed. Contents of the ditch are pumped through a dedicated pump and force main to Facility 77, where the water is routed through treatment prior to discharging through Outfall 002A to the Columbia River.

**Drainage Basins B, C, D, E, F, G, H, J, and K.** Drainage Basins B, C, D, E, F, G, H, J, and K compose approximately 119.2 acres of the site that are relatively flat. Stormwater runoff generally ponds in these areas and then evaporates or infiltrates into the soil or drains to on-site wetland areas.

Drainage Basin J includes a series of ditches that collect stormwater runoff adjacent to the former cryolite plant. These are referred to as the former cryolite ditches. Stormwater runoff collected in these ditches is currently pumped through dedicated pumping and force main facilities directly to Facility 77.

Table H3-1 summarizes the existing drainage basins, discharge points, and pervious and impervious areas that compose each basin.

**Table H3-1  
Existing Drainage Basin Summary**

Drainage Basin	Drainage Basin Point of Discharge	Drainage Basin Areas (acres)		
		Total Area	Impervious Area	Pervious Area
2.1	002A	88.7	62.2	26.5
2.2	002A	27.9	0.9	27.0
2.3	002A	9.4	0.2	9.2
2.4	002A	33.1	1.7	31.4
3	003C	57.5	37.8	19.7
5	Ponds, infiltrates	17.2	0.5	16.7
A	002A	40.5	1.5	39.0
B	Ponds, infiltrates	21.4	0.4	21.0
C	Ponds, infiltrates	17.3	1.2	16.1
D	Ponds, infiltrates	14.1	7.0	7.1
E	Ponds, infiltrates	10.7	1.1	9.6
F	Ponds, infiltrates	12.9	0.8	12.1



Drainage Basin	Drainage Basin Point of Discharge	Drainage Basin Areas (acres)		
		Total Area	Impervious Area	Pervious Area
G	Ponds, infiltrates	5.6	0.2	5.4
H	Ponds, infiltrates	12.7	0.0	12.7
J	Ponds, infiltrates <sup>1</sup>	12.3	0.0	12.3
K	Ponds, infiltrates	12.2	0.5	11.7
<b>Total</b>		<b>393.5</b>	<b>116.0</b>	<b>277.5</b>

Note:

1. Small portions of runoff collected in the former cryolite ditches are pumped directly to Facility 77.

## 4 Post-Cleanup Drainage Basins

As noted in Section 2.2, stormwater improvements are needed to support the cleanup action conditions at the site. These changes will affect the rates, volumes, and patterns of stormwater runoff from the site. The most significant changes will occur in those areas where low permeability caps will be placed over deposits of contaminated materials. Low permeability caps to be placed over the West Landfill south of the U-Ditch in Drainage Basin A and over the East Landfills in Drainage Basin 2.2 will significantly increase the rate and volume of runoff discharged from those areas.

This section summarizes the impact that the cleanup action and associated stormwater improvements will have on the existing drainage basins at the site. Post-cleanup drainage basins and changes to areas of impervious and pervious surfaces are illustrated in Figure H4-1. Although the cleanup action will result in excavation or filling of ditches in other drainage basins at the site, the land cover, hydrologic conditions, and stormwater runoff within Drainage Basins 2.1, 2.3, 2.4, 3, 5, B, C, D, E, F, G, H, J, and K will remain mostly unchanged from their existing condition. Existing Drainage Basins 2.2 and A will be impacted as described in this section.

**Drainage Basin 2.2.** Within Drainage Basin 2.2, the construction of the low permeability caps over the East Landfills will significantly increase the total runoff from the surfaces of the landfills. The runoff from the capped areas will be clean water and will not require treatment prior to discharge. The stormwater improvements will segregate runoff from the landfill covers and keep it separate from the rest of Drainage Basin 2.2 runoff. The clean runoff from the landfill covers will be bypassed around Facilities 73 and 77 and routed directly to Outfall 002A. The East Landfills will be recategorized as Drainage Basin 2.5, described in more detail in the following paragraphs.

As a result of the cleanup action, Drainage Basin 2.2's drainage area will decrease from 27.9 acres to 13.4 acres of roadway and miscellaneous vegetated areas that surround but do not include SU6 and SU7 (i.e., East Landfills). Drainage to Pump Station 004 will continue to be via a network of on-site ditches to Pump Station 004, near the northeast corner of the site. Pump Station 004 will require no modifications or upgrades and will continue to pump the reduced volume and rate of runoff that will be collected in its sump through the existing 6-inch force main back to a connection with the storm drain system near the Former South Plant.

**Drainage Basin 2.5 (New Drainage Basin).** Drainage Basin 2.5 will be created by the completion and capping of the East Landfills. The cleanup action will include placement of approximately 14.5 acres of low permeability capped areas and geosynthetic clay liner (GCL)-lined perimeter ditches. Runoff from the new Drainage Basin 2.5, which will include the surfaces over the East Landfills and the perimeter ditches, will be completely segregated from site runoff from adjacent areas within Drainage Basin 2.2. Runoff from East Landfill No. 1 (SU7) will drain to that landfill's western corner. Runoff from East Landfill No. 2 (SU6) will drain to that landfill's northern corner. These two corners

are in close proximity to each other and will drain via 24-inch storm drains to a manhole and then be routed under Berth Road through a 24-inch storm drain to a shared pump station, designated as the East Landfill Pump Station (ELF Pump Station). A new force main will be constructed to connect the ELF Pump Station directly to Outfall 002A for discharge to the Columbia River.

**Drainage Basin A.** Within Drainage Basin A, the construction of the low permeability caps over the West Landfill will significantly increase the total runoff from the surfaces of the landfill. The runoff from the capped areas will be clean water and will not require treatment prior to discharge. The stormwater improvements will segregate runoff from the landfill cover and keep it separate from the rest of the Drainage Basin A runoff. The clean runoff from the landfill covers will be bypassed around Facilities 73 and 77 and routed directly to Outfall 002A. The West Landfill will be recategorized as Drainage Basin 2.6, described in more detail later in the following paragraphs.

As a result of the cleanup action, Drainage Basin A's drainage area will decrease from 40.5 acres to 27.9 acres of roadway and miscellaneous vegetated areas that surround but do not include the West Landfill.

**Drainage Basin 2.6 (New Drainage Basin).** Drainage Basin 2.6 will be created by the completion and capping of the West Landfill. The cleanup action will include placement of approximately 12.6 acres of low permeability capped areas and GCL-lined perimeter ditches. This area will generally be designed so that surface runoff over the West Landfill will drain to GCL-lined perimeter ditches along the north and east edges of the West Landfill. These perimeter ditches will drain to a new pump station created northeast of the West Landfill, designated as the West Landfill Pump Station (WLF Pump Station). A new force main will be constructed to connect the WLF Pump Station directly to Outfall 002A for discharge to the Columbia River. An overflow weir within the pump station will allow peak flows that exceed the WLF Pump Station capacity to overflow to the U-Ditch. Water discharged to the U-Ditch will continue to flow from the U-Ditch through downstream ditches and culverts to Facility 77, where it will then be pumped to Facility 73 for treatment prior to discharging to the Columbia River through Outfall 002A.

Table H4-1 summarizes the drainage basins that will result from the final cleanup action with the designated discharge points and pervious and impervious areas that compose each basin.

**Table H4-1  
Post-Cleanup Drainage Basin Summary**

Drainage Basin	Drainage Basin Point of Discharge	Drainage Basin Areas (acres)		
		Total Area	Impervious Area	Pervious Area
2.1	002A	88.7	62.2	26.5
2.2	002A	13.4	0.9	12.5
2.3	002A	9.4	0.2	9.2
2.4	002A	33.1	1.7	31.4
2.5 <sup>1</sup>	002A <sup>2,3</sup>	14.5	14.5	0.0
2.6 <sup>1</sup>	002A <sup>2,4</sup>	12.6	12.6	0.0
3	003C	57.5	37.8	19.7
5	Ponds, infiltrates	17.2	0.5	16.7
A	002A	27.9	1.5	26.4
B	Ponds, infiltrates	21.4	0.4	21.0
C	Ponds, infiltrates	17.3	1.2	16.1
D	Ponds, infiltrates	14.1	7.0	7.1
E	Ponds, infiltrates	10.7	1.1	9.6
F	Ponds, infiltrates	12.9	0.8	12.1
G	Ponds, infiltrates	5.6	0.2	5.4
H	Ponds, infiltrates	12.7	0.0	12.7
J	Ponds, infiltrates	12.3	0.0	12.3
K	Ponds, infiltrates	12.2	0.5	11.7
<b>Total</b>		<b>393.5</b>	<b>143.1</b>	<b>250.4</b>

Notes:

Shaded cells refer to drainage basins not impacted by the cleanup.

1. Newly designated
2. Bypasses Facility 73 and Facility 77
3. Requires new ELF Pump Station
4. Requires new WLF Pump Station

## 5 Minimum Stormwater Requirements

The MRs outlined in the Drainage Manual (Cowlitz County 2017) were considered and applied to the design of the stormwater improvements needed to support the cleanup action. Minimum stormwater requirements for projects within Cowlitz County are subject to the requirements of CCC 16.20 or CCC 16.22, as supplemented by the Drainage Manual and the Cowlitz County Design Standards. Anchor QEA, LLC, contacted Cowlitz County Stormwater Program staff to discuss the drainage requirements that would apply to the cleanup actions (Harbison and Kalal 2020). Cowlitz County indicated that the following requirements would apply:

- The portion of the code that would apply to the site would be CCC 16.20 – Stormwater Management in Rural Areas.
- CCC 16.20 requires that Cowlitz County complete a drainage review of a proposed project or development action if the following thresholds are met:
  - The action creates an additional 12,000 square feet or more of impervious area outside of the unincorporated urban area.
  - The additional impervious surface area is equal to 15% or more of the parcel or the sum total of the parcels impacted by the action.
- If a project does meet both of these thresholds and requires a detailed drainage review by Cowlitz County, the project proponent would need to demonstrate how the project addresses all of the stormwater MRs for the site.

The cleanup action will create more than 12,000 square feet of additional impervious area through construction of low permeability (essentially impervious) caps over the West and East Landfills. However, the additional impervious area will not account for more than 15% of the site. The low permeability caps over the East and West Landfills will create approximately 27.1 acres of additional impervious area, which is approximately 7% of the total area of the site. Based on these numbers, Cowlitz County will not need to complete a detailed drainage review of the site. In addition, because the cleanup action is regulated under MTCA, the work is procedurally exempt from typical Cowlitz County permitting and review processes but will be required to meet the substantive requirements of applicable Cowlitz County regulations. The cleanup action has been designed to meet the substantive requirements of the applicable Cowlitz County regulations.

The intent of the design of stormwater improvements is to provide stormwater controls that will meet the project's needs while also meeting the stormwater MRs outlined in the Drainage Manual (Cowlitz County 2017) and the SWMMWW (Ecology 2019). MRs are applied to each Threshold Discharge Area (TDA) within a project site, which are drainage areas that each have a distinct discharge point or outfall separated by a minimum distance, as outlined in the Drainage Manual. For the purpose of evaluating MRs for the cleanup action, the site was considered to be two distinct TDAs, as follows:

- **Threshold Discharge Area 1:** Areas that drain through Outfall 002A to the Columbia River (Drainage Basins 2.1, 2.2, 2.3, and 2.4) and areas that pond or infiltrate on site, with potential for overflowing to on-site ditches that drain to Outfall 002A (Drainage Basins A, B, C, D, E, F, G, H, J, and K)
- **Threshold Discharge Area 2:** Areas that drain directly to Outfall 003C (Drainage Basin 3)

The cleanup action will add or replace more than 5,000 square feet of hard surface within TDA 1, so all the MRs outlined in the Drainage Manual (Cowlitz County 2017) will apply to stormwater runoff from new and replaced impervious surfaces and converted vegetation areas in TDA 1. The final cleanup action condition will not impact surfaces or drainage within TDA 2, so no MRs will need to be met within TDA 2.

The following sections summarize the MRs from the Drainage Manual (Cowlitz County 2017) and identifies how these MRs will be met for the cleanup action.

## 5.1 Minimum Requirement 1 – Preparation of a Stormwater Site Plan

MR1 requires that a Stormwater Site Plan (SSP) be prepared for the project in accordance with Section 3 of the Drainage Manual (Cowlitz County 2017). The requirements outlined in the Drainage Manual indicate that the SSP should include the following elements:

- A development plan
- A stormwater report

The Drawings (Appendix E of the Final EDR, submitted with this report) are intended to meet the requirements for a development plan. This Stormwater Report is also intended to include all the technical information and analysis that would be required for the SSP stormwater report needed to meet MR1. Based on conversations with Cowlitz County and the thresholds that are outlined in CCC 16.20, and because the project is procedurally exempt from typical permit review processes because it is regulated under MTCA, Anchor QEA's understanding is that a separate SSP stormwater report will not be required for the cleanup action.

## 5.2 Minimum Requirement 2 – Construction Stormwater Pollution Prevention

MR2 requires that a construction Stormwater Pollution Prevention Plan (SWPPP) be prepared in accordance with Section 3 of the Drainage Manual (Cowlitz County 2017) and the SWMMWW (Ecology 2019). The following elements must be included:

1. Preserve vegetation/mark clearing limits.
2. Establish construction access.
3. Control flow rates.

4. Install sediment controls.
5. Stabilize soils.
6. Protect slopes.
7. Protect drain inlets.
8. Stabilize channels and outlets.
9. Control pollutants.
10. Control dewatering.
11. Maintain best management practices.
12. Manage the project.
13. Protect low-impact development best management practices.

Northwest Alloys has a site SWPPP that has been approved by Ecology and is associated with the NPDES permit (Ecology 2018c). Consistent with Permit Condition S10 Remediation Water, Appendix K of the Final EDR (the RWMP) has been developed to detail the collection, management, conveyance, and treatment of remediation water. The Technical Specifications (Appendix F of the Final EDR) require that the Contractor submit an Environmental Protection Plan (EPP) that includes an erosion and sediment control plan that will be developed consistent with the existing site-specific SWPPP, the RWMP, and the key elements listed in the beginning of this section. In addition to the EPP, schematic Temporary Erosion and Sediment Control (TESC) plans with notes and details have been provided in the Drawings (Appendix E of the Final EDR). The Contractor will be required to review the TESC plans provided in the Drawings, recommend any adjustments via redline revisions, and incorporate the updated TESC plans into the erosion and sediment control plan provided as part of the EPP.

### **5.3 Minimum Requirement 3 – Source Control of Pollution**

Source control of pollutants during the construction phase of the project will be addressed in accordance with CCC, the Drainage Manual (Cowlitz County 2017), the SWMMWW (Ecology 2019), and NPDES permit requirements. Post-construction best management practices will include both operational and structural best management practices. Operational best management practices are practices or procedures that prevent or reduce pollutants from entering stormwater runoff. Structural best management practices are physical or mechanical devices that prevent or reduce pollutants from entering stormwater runoff or that remove pollutants through treatment after entrainment in stormwater runoff. The site-specific SWPPP, which has been approved by Ecology, outlines the best management practices that are currently in place and operating to control sources of pollution and prevent discharge of pollutants through the permitted outfalls to receiving waterbodies. MR3 will be met by incorporating additional best management practices associated with the stormwater improvements into the Contractor's EPP.

## 5.4 Minimum Requirement 4 – Preservation of Natural Drainage Systems and Outfalls

MR4 requires that natural drainage patterns be maintained and that discharges from the site occur at the natural location, to the maximum extent practicable. The site has been highly developed and modified, so the locations of natural discharge no longer exist and are no longer apparent. However, the stormwater improvements associated with the cleanup action will ensure that the site continues to discharge stormwater runoff through existing or historical outfall locations, as follows:

- Runoff from Drainage Basins 2.1, 2.2, 2.3, and 2.4 will continue to discharge through Outfall 002A to the Columbia River.
- Runoff from remediated areas SU6 and SU7, referred to as the East Landfills, which are currently part of Drainage Basin 2.2, will be captured and conveyed separately from the runoff in Drainage Basin 2.2 as a new drainage basin, Drainage Basin 2.5. Runoff from the new Drainage Basin 2.5 will be conveyed to the new ELF Pump Station, located on the west side of Berth Road near the western corner of East Landfill No. 1 (SU7) and the northern corner of East Landfill No. 2 (SU6). The ELF Pump Station will deliver runoff through a force main directly to Outfall 002A, where it will be discharged to the Columbia River.
- Runoff from the West Landfill will be conveyed to the new WLF Pump Station as a new drainage basin, Drainage Basin 2.6, located northeast of the West Landfill. The WLF Pump Station will deliver runoff through a force main directly to Outfall 002A, where it will be discharged to the Columbia River. Peak flows from the largest storm events that are in excess of the WLF Pump Station Capacity will overflow through a weir in the WLF Pump Station to the U-Ditch. These flows and any other flows from Drainage Basin A will drain to the U-Ditch, where they will be conveyed through Facility 77 and Facility 73 prior to being discharged to the Columbia River through Outfall 002A.
- Runoff from other drainage basins will continue to pond or infiltrate on site.

## 5.5 Minimum Requirement 5 – On-Site Stormwater Management

MR5 requires that stormwater management best management practices be implemented to infiltrate, disperse, or retain stormwater runoff on site, where feasible, without causing flooding or erosion impacts. Projects qualifying as flow control exempt in accordance with MR7 and the SWMMWW (Ecology 2019) do not have to achieve the low-impact development performance standard, nor consider bioretention, rain gardens, permeable pavement, or full dispersion. However, those projects must implement the following best management practices if feasible:

- Best Management Practice T5.13 – Post-Construction Soil Quality and Depth
- Best Management Practice T5.10A – Downspout Full Infiltration
- Best Management Practice T5.10B – Downspout Dispersion Systems
- Best Management Practice T5.10C – Perforated Stub-Out Connections



- Best Management Practice T5.11 – Concentrated Flow Dispersion
- Best Management Practice T5.12 – Sheet Flow Dispersion

Runoff from the site discharges to the Columbia River, either directly or through the CDID ditch system. These discharges are flow control exempt, in accordance with MR7. There are no roofs or downspouts associated with this project. To the extent possible, runoff from drainage basins where stormwater ponds and infiltrates will continue to disperse, pond, or infiltrate on site. However, where the cleanup action calls for placement of low permeability cap materials, those materials will be placed and graded to drain surface water runoff to adjacent ditches, where on-site runoff will be collected and conveyed to new pumping facilities that will deliver water directly to Outfall 002A for discharge to the Columbia River. On-site stormwater flows and commingled stormwater flows not directly discharged off site will be treated prior to discharge to the Columbia River via Facility 73, as described in this report.

## **5.6 Minimum Requirement 6 – Runoff Treatment**

MR6 requires that runoff treatment best management practices be incorporated into the project to treat runoff from pollution-generating surfaces prior to discharge to the Columbia River or to groundwater. The Drainage Manual (Cowlitz County 2017) requires that runoff treatment best management practices be selected and designed in accordance with the SWMMWW (Ecology 2019). The SWMMWW requires treatment for projects where the total pollution-generating hard surface (PGHS) in a TDA is 5,000 square feet or more, or where the total of pollution-generating pervious surfaces (PGPS) is 0.75 acres or more. The site will have more than 5,000 square feet of PGHS within TDA 1 (existing Drainage Basins 2.1, 2.2, 2.3, 2.4, A, B, C, D, E, F, G, H, J, and K), so treatment of runoff from all pollution-generating surfaces within TDA 1 will be required. Runoff from other on-site surfaces (non-pollution-generating surfaces and existing impervious surfaces to remain) must also be treated if those flows commingle with flows from PGHS or PGPS upstream of treatment.

The remediated areas within TDA 1 where low permeability caps will be placed (SU1, a portion of SU2, SU6, and SU7) are considered non-PGHSs for this analysis. They are hard surfaces, but the low permeability cap materials will discharge clean runoff.

Runoff from the clean low permeability caps over the West Landfill will be captured by perimeter ditches and conveyed to a new pump station, the WLF Pump Station. The perimeter ditches around the West Landfill will be lined with GCL and set at an elevation that will keep the runoff segregated from groundwater and runoff from adjacent pollution-generating surfaces. The runoff will be clean, remain segregated, and be discharged directly from the WLF Pump Station through a force main to Outfall 002A. During the largest storm events, peak flows in excess of the WLF Pump Station capacity will overflow through a weir in the WLF Pump Station to the U-Ditch and then discharge via downstream ditches and culverts to Facility 77. Those flows will commingle with other stormwater

runoff in the U-Ditch. From Facility 77, it will be pumped to Facility 73 for treatment prior to being discharged to the Columbia River through Outfall 002A.

Runoff from the clean low permeability caps over East Landfill No. 1 (SU7) and East Landfill No. 2 (SU6) will be captured by perimeter ditches and conveyed to a new pump station, the ELF Pump Station. The perimeter ditches around the East Landfills will be lined with GCL and set at an elevation that will keep the runoff segregated from groundwater and runoff from adjacent pollution-generating surfaces. The runoff will be clean, remain segregated from other site runoff, and be discharged directly from the ELF Pump Station through a force main to Outfall 002A.

## **5.7 Minimum Requirement 7 – Flow Control**

MR7 requires that projects meeting certain thresholds provide flow control to reduce the impacts of stormwater runoff on downstream waterbodies. However, Outfall 002A discharges flows from TDA 1 to the Columbia River, which is listed in the SWMMWW as a flow control exempt waterbody (Ecology 2019). Flow control does not apply to projects that discharge stormwater runoff directly or indirectly into exempt waterbodies. Concentrated, treated runoff from the project site will be conveyed via storm drains and swales designed to discharge flows to the Columbia River below the ordinary high water mark. Although no flow control best management practices are required for the project, detention will be provided in on-site ditches upstream of Facility 77 to manage on-site stormwater runoff such that the volume of water pumped from Facility 77 to Facility 73 does not exceed the capacity of the Facility 73 (8.6 MGD or 13.4 cfs).

## **5.8 Minimum Requirement 8 – Wetland Protection**

MR8 applies to development and redevelopment projects that discharge stormwater runoff to a stream that leads to a wetland, or to a wetland that has an outflow to a stream. MR8 requires that projects protect wetland functions and values by preserving wetland hydrology and preventing increase in the amount of pollutants discharged to a wetland. The cleanup work will capture and convey runoff from landfill areas in perimeter ditches, and runoff will not be discharged to adjacent wetland areas.

## **5.9 Minimum Requirement 9 – Operations and Maintenance**

MR9 requires that the agency or parties responsible for operations and maintenance of drainage facilities in Cowlitz County adhere to requirements set forth in Volume I, Section 2.5.10, of the SWMMWW (Ecology 2019). It is anticipated that the stormwater improvements will be operated and maintained by Northwest Alloys in accordance with established operations and maintenance procedures and the current NPDES permit for discharges from the site.

## 6 Hydrologic Analysis

A continuous-simulation hydrologic model was developed to calculate runoff from the drainage basins at the site. In accordance with the SWMMWW (Ecology 2019), the WWHM2012 was used to calculate the runoff for existing conditions, as illustrated in Figure H3-1 and described in Section 3; temporary conditions during construction; and post-cleanup conditions, as illustrated in Figure H4-1 and described in Section 4. WWHM2012 is a continuous-simulation hydrologic model that simulates long-term hourly (or more frequent) runoff response to an extended period of historical precipitation. The runoff estimates are based on land cover and drainage area characteristics input for each drainage basin. WWHM2012 was used to calculate hourly runoff values discharging from the basins for the 54-year model period of precipitation record (October 1, 1955, to September 30, 2009). The existing, or baseline, stormwater conditions under current site operations were compared to post-cleanup stormwater conditions with the post-cleanup cleanup action and associated stormwater improvements completed.

### 6.1 Hydrologic Model Inputs

Inputs for WWHM2012 include precipitation and evaporation data, land cover, hydrologic soil type, and basin slopes and areas. Precipitation and evaporation data were unchanged from WWHM2012 data and were determined in the model using the site location (Longview gage; precipitation factor 1.143). Site-wide soil conditions were assumed to be hydrologic type C (till; low infiltration rates). Site-wide slope conditions were assumed to be flat (less than 5%). Pervious areas were assumed to be either pasture (Drainage Basins 2.2, 2.4, A, B, C, D, E, F, H, J, and K) or lawn (Drainage Basins 2.1, 2.3, 3, 5, and G); impervious areas were assumed to be roads.

Impervious and pervious areas were input for use in modeling hydrology for existing conditions, as presented in Table H3-1. For post-cleanup conditions, impervious and pervious areas were input as summarized in Table H4-1. Changes to impervious and pervious areas reflect the low permeability caps to be placed over the West Landfill and the East Landfills. These areas were assumed to have changed from pervious land cover to impervious land cover. Drainage Basins 2.5 and 2.6 were also added to reflect the post-cleanup rerouting of stormwater runoff from the surface of the low permeability caps over the East Landfills through the proposed ELF Pump Station (Drainage Basin 2.5) and over the West Landfill through the proposed WLF Pump Station (Drainage Basin 2.6) directly to Outfall 002A.

Other key elements were included in the WWHM2012 such as the U-Ditch, Facility 77 Sump/Pump Station, the Retention Basin, and Pump Station C; however, the WWHM2012 was not used to model the flow rates through these facilities. The function of these facilities was modeled using the hydraulic model for the site (Section 7).

## 6.2 Summary of Results

Hourly runoff results from the WWHM2012 were analyzed to calculate runoff volumes and peak recurrence interval flow rates for each drainage basin for existing and post-cleanup conditions. These calculations are summarized in Table H6-1 for existing conditions and in Table H6-2 for post-cleanup conditions. Detailed hydrologic model outputs are included in Attachment H-1. The primary changes in hydrology predicted by the model from existing to post-cleanup conditions include the following:

- Drainage Basin 2.2
  - The area of Drainage Basin 2.2, which currently includes the East Landfills, would be reduced from 27.9 acres to 13.4 acres because the 14.5 acres that comprise the East Landfills would be rerouted through the proposed ELF Pump Station directly to Outfall 002A (as new Drainage Basin 2.5).
  - The 25-year average 24-hour flow would decrease from 1.53 cfs to 0.82 cfs.
  - The 100-year average 24-hour flow would decrease from 1.53 cfs to 0.84 cfs.
  - The 25-year peak flow would decrease from 5.67 cfs to 3.14 cfs.
  - The 100-year peak flow would decrease from 8.47 cfs to 5.12 cfs.
- Drainage Basin 2.5 (new basin consisting of the East Landfills)
  - A 25-year average 24-hour flow rate of 1.56 cfs would be discharged from SU6.
  - A 100-year average 24-hour flow rate of 1.92 cfs would be discharged from SU6.
  - A 25-year peak flow rate of 8.24 cfs would be discharged from SU6.
  - A 100-year peak flow rate of 12.39 cfs would be discharged from SU6.
  - A 25-year average 24-hour flow rate of 0.82 cfs would be discharged from SU7.
  - A 100-year average 24-hour flow rate of 1.01 cfs would be discharged from SU7.
  - A 25-year peak flow rate of 4.33 cfs would be discharged from SU7.
  - A 100-year peak flow rate of 6.52 cfs would be discharged from SU7.
  - All flows from the caps over the East Landfills would be routed through the new ELF Pump Station directly to Outfall 002A.
- Drainage Basin A
  - The area of Drainage Basin A, which currently includes the West Landfill, would be reduced from 40.5 acres to 27.9 acres because the 12.6 acres that comprise the East Landfills would be rerouted through the proposed ELF Pump Station directly to Outfall 002A (as new Drainage Basin 2.5).
  - The 25-year average 24-hour flow would decrease from 2.25 cfs to 1.62 cfs.
  - The 100-year average 24-hour flow would decrease from 2.25 cfs to 1.63 cfs.
  - The 25-year peak flow would decrease from 8.43 cfs to 6.24 cfs.
  - The 100-year peak flow would decrease from 12.78 cfs to 9.94 cfs.
- Drainage Basin 2.6 (new basin consisting of the West Landfill)
  - The area includes remediation areas SU1 and SU2.

- A 25-year average 24-hour flow rate of 2.07 cfs would be discharged.
- A 100-year average 24-hour flow rate of 2.55 cfs would be discharged.
- A 25-year peak flow rate of 10.92 cfs would be discharged.
- A 100-year peak flow rate of 16.43 cfs would be discharged.
- Flows from the caps over the West Landfill would be routed through the new WLF Pump Station directly to Outfall 002A, except during peak storm events greater than a 5-year recurrence interval, when flows in excess of the WLF Pump Station capacity would be allowed to overflow to the U-Ditch.

**Table H6-1  
Hydrologic Model Results Summary, Existing Conditions**

Drainage Basin	Model Basin Code	Subbasin Point of Discharge	Average 24-Hour Flow Rate from Peak Events				Peak Flow Rate from Peak Events			
			2-Year (cfs)	5-Year (cfs)	25-Year (cfs)	100-Year (cfs)	2-Year (cfs)	5-Year (cfs)	25-Year (cfs)	100-Year (cfs)
2.1	512	002A	6.35	8.76	12.35	15.28	24.19	36.79	64.93	99.19
2.2	513	002A	1.15	1.45	1.53	1.53	1.66	2.99	5.67	8.47
2.3	516	002A	0.43	0.59	0.74	0.82	1.11	2.12	4.04	5.90
2.4	513	002A	1.36	1.75	1.90	1.91	2.07	3.70	7.34	11.62
3	502	003C	3.99	5.52	7.80	9.65	15.06	23.07	40.97	62.77
5	503	Ponds, infiltrates	0.78	1.09	1.37	1.50	2.06	3.91	7.48	10.98
A	515	002A	1.67	2.11	2.25	2.25	2.44	4.39	8.43	12.78
B	504	Ponds, infiltrates	0.88	1.09	1.14	1.15	1.24	2.23	4.05	5.74
C	505	Ponds, infiltrates	0.70	0.93	1.07	1.09	1.14	2.02	4.09	6.67
D	506	Ponds, infiltrates	0.81	1.12	1.57	1.92	2.66	4.05	7.35	11.62
E	507	Ponds, infiltrates	0.43	0.59	0.73	0.78	0.79	1.36	2.78	4.66
F	508	Ponds, infiltrates	0.60	0.83	1.05	1.16	1.62	3.04	5.85	8.72
G	509	Ponds, infiltrates	0.26	0.36	0.45	0.49	0.68	1.28	2.46	3.62
H	510	Ponds, infiltrates	0.52	0.64	0.65	0.66	0.72	1.28	2.07	2.62
J	523	Ponds, infiltrates	0.51	0.62	0.63	0.64	0.70	1.24	2.00	2.54
K	524	Ponds, infiltrates	0.50	0.64	0.68	0.68	0.74	1.33	2.58	3.96
<b>Total</b>			<b>20.94</b>	<b>28.09</b>	<b>35.91</b>	<b>41.51</b>	<b>58.88</b>	<b>94.80</b>	<b>172.09</b>	<b>261.86</b>

**Table H6-2  
Hydrologic Model Results Summary, Post-Cleanup Conditions**

Drainage Basin	Model Basin Code	Subbasin Point of Discharge	Average 24-Hour Flow Rate from Peak Events				Peak Flow Rate from Peak Events			
			2-Year (cfs)	5-Year (cfs)	25-Year (cfs)	100-Year (cfs)	2-Year (cfs)	5-Year (cfs)	25-Year (cfs)	100-Year (cfs)
2.1	812	002A	6.35	8.76	12.35	15.28	24.19	36.79	64.93	99.19
2.2	813	002A	0.55	0.72	0.82	0.84	0.88	1.56	3.14	5.12
2.3	816	002A	0.43	0.59	0.74	0.82	1.11	2.12	4.04	5.90
2.4	813	002A	1.36	1.75	1.90	1.91	2.07	3.70	7.34	11.62
3	802	003C	3.99	5.52	7.80	9.65	15.06	23.07	40.97	62.77
2.5 (SU6)	821	002A	0.83	1.12	1.56	1.92	3.30	4.83	8.24	12.39
2.5 (SU7)	822	002A	0.44	0.59	0.82	1.01	1.74	2.54	4.33	6.52
5	803	Ponds, infiltrates	0.78	1.09	1.37	1.50	2.06	3.91	7.48	10.98
A	815	002A	1.15	1.48	1.62	1.63	1.75	3.14	6.24	9.94
2.6	820	002A	1.10	1.48	2.07	2.55	4.38	6.40	10.92	16.43
B	804	Ponds, infiltrates	0.88	1.09	1.14	1.15	1.24	2.23	4.05	5.74
C	805	Ponds, infiltrates	0.70	0.93	1.07	1.09	1.14	2.02	4.09	6.67
D	806	Ponds, infiltrates	0.81	1.12	1.57	1.92	2.66	4.05	7.35	11.62
E	807	Ponds, infiltrates	0.43	0.59	0.73	0.78	0.79	1.36	2.78	4.66
F	808	Ponds, infiltrates	0.60	0.83	1.05	1.16	1.62	3.04	5.85	8.72
G	809	Ponds, infiltrates	0.26	0.36	0.45	0.49	0.68	1.28	2.46	3.62
H	810	Ponds, infiltrates	0.52	0.64	0.65	0.66	0.72	1.28	2.07	2.62
J	823	Ponds, infiltrates	0.51	0.62	0.63	0.64	0.70	1.24	2.00	2.54
K	824	Ponds, infiltrates	0.50	0.64	0.68	0.68	0.74	1.33	2.58	3.96
<b>Total</b>			<b>22.19</b>	<b>29.92</b>	<b>39.02</b>	<b>45.68</b>	<b>66.83</b>	<b>105.89</b>	<b>190.86</b>	<b>291.01</b>

The model indicates that hydrology in other drainage basins (i.e., those other than Drainage Basins 2.2, 2.5, 2.6, and A) would not be affected by the cleanup action.

Results from WWHM2012 were used to select two storm events for hydraulic modeling to analyze the site's stormwater system response to representative events. Hourly output from the period of record was reviewed to select storm events to use for the hydraulic analysis (Section 7), as follows:

- **25-Year Storm.** A storm event was selected to simulate peak flow conditions resulting from a 25-year, 24-hour storm. A 2-day period from noon on January 5 to noon on January 7, 2002, was identified as representing this storm, but the runoff was increased by 14% to better match the peak runoff with the calculated 25-year peak runoff.
- **7-Day Peak Volume Storm.** A storm event was selected to simulate a stormy period that would generate the peak 7-day volume of runoff. A 2-week period from November 15 to November 28, 1962, was selected because it was the storm in the period of record that generated the highest 7-day flow runoff volume.

These events were selected to understand the impact of the changes in both the peak flow and the volume generated by large storm events and to guide the design of stormwater improvements and TSC facilities (Section 8).



## 7 Hydraulic Analysis

Stormwater improvements needed to support the cleanup action were identified and evaluated using a hydraulic model of the site that was developed for prior engineering reports (Anchor QEA 2017). The hydraulic analysis evaluated existing site conditions as a baseline. The model was then used to evaluate the performance of the existing system under post-cleanup runoff conditions. Impacts of the cleanup action were identified, and the model was used to size and evaluate the improvements needed to address those impacts under post-cleanup conditions. The hydraulic model was also used to evaluate TSC facilities that are needed to manage remediation water during construction and between construction seasons. This section provides a summary of the analyses and the results. The stormwater improvements and TSC facilities needed to address the impacts are discussed in more detail in Section 8.

### 7.1 Hydraulic Model Overview

As noted previously in Section 4, post-cleanup site conditions will include installation of low permeability caps over large landfill areas designated as the West Landfill and the East Landfills. The rate and volume of stormwater runoff from these areas is anticipated to increase significantly during peak storm events, as outlined in Section 6. The model used to complete the site-wide hydraulic model analysis was PCSWMM 2019 Version 7.3.3095, which uses SWMM 5.0.013-5.1.015. The SWMM hydraulic model simulates stormwater flows through the site in response to stormwater runoff from the following two hydrologic events:

- A January 2002 storm, which most closely represents the 25-year storm event
- A November 1962 storm event, which was identified as the event within the period of record from the hydrologic model that generated the largest runoff volumes

These events were selected to understand the impact of the changes in both the peak flow and the runoff volume generated by large storm events.

### 7.2 Hydraulic Model Inputs and Scenarios

Existing site stormwater infrastructure, including catch basins, area drains, conveyance piping, ditches, pump stations, and the Retention Basin and Filter Plant, were incorporated into the model using available as-built information. Time-series basin runoff values generated by the hydrologic model (Section 6) were used as flow inputs at key locations in the hydraulic model's drainage system network. The hydraulic model was then used to analyze flow routing, conveyance, and storage throughout the drainage system during peak storm events. Because site stormwater flows are largely dependent on a series of pump stations, current pump operating conditions were reviewed to evaluate potential improvements. Site storage conditions were also evaluated, and the hydraulic model was used to identify areas of flooding, hydraulic capacity limitations, and other impacts under

both existing and post-cleanup conditions. Different improvements were then evaluated in an effort to identify solutions to these impacts. Table H7-1 summarizes the scenarios developed for hydraulic model analysis with key inputs used and conditions modeled.

**Table H7-1  
Descriptions of Hydraulic Model Scenarios**

Scenario	Land Cover	Hydrologic Model Storm Event	Stormwater Improvements Modeled
Existing, 25-year	Existing	25-year (January 5 to 7, 2002)	None
Existing peak, 7-day	Existing	Peak 7-day (November 15 to 28, 1962)	None
Post-cleanup, without improvements, 25-year	Post-cleanup	25-year (January 5 to 7, 2002)	None
Post-cleanup, without improvements, peak 7-day	Post-cleanup	Peak 7-day (November 15 to 28, 1962)	None
Remediation water, 25-year	Between construction seasons	25-year (January 5 to 7, 2002)	TSC Facilities <sup>1</sup>
Remediation water, peak 7-day	Between construction seasons	Peak 7-day (November 15 to 28, 1962)	TSC Facilities <sup>1</sup>
Post-cleanup, with improvements, 25-year	Post-cleanup	25-year (January 5 to 7, 2002)	Permanent Stormwater Improvements <sup>2</sup>
Post-cleanup, with improvements, peak 7-day	Post-cleanup	Peak 7-day (November 15 to 28, 1962)	Permanent Stormwater Improvements <sup>2</sup>

Notes:

1. The model was used to evaluate a variety of potential improvements and narrow down the TSC facilities necessary to meet the needs of the site between construction seasons when remediation water will be managed. The TSC facilities are described in Section 8.
2. The model was used to evaluate a variety of potential improvements and narrow down the improvements that meet the needs of the site after the cleanup action is implemented. The stormwater improvements are described in Section 8.

Eight model scenarios were developed to simulate the stormwater system under existing conditions, post-cleanup conditions without any improvements to the system, temporary conditions between construction seasons when remediation water will be managed with TSC facilities, and post-cleanup conditions with permanent stormwater improvements. Several additional scenarios were also modeled to narrow down the range of potential improvements. Reporting on each scenario that was modeled is beyond the scope of this report, but a wide range of potential improvements was evaluated with the model to come up with the ideal size, type, and configuration of TSC facilities and permanent stormwater improvements that are summarized in Section 8.

Table H7-2 summarizes the capacities of key facilities and other key input parameters used in modeling the stormwater system for both existing and post-cleanup conditions.

**Table H7-2  
Capacities of Key System Components and Other Model Input Parameters**

Key System Component	Parameter	Input Values
Existing Facility 77 Storage Tanks	Number of Tanks	3
	Total Storage Volume	1.92 MG (256,650 cf)
Existing Facility 77 Pump Station	Number of Duty Pumps	1, 125-hp, 8,500 gpm (18.9 cfs)
	Number of Backup Pumps	1, 125-hp, 8,500 gpm (18.9 cfs)
	Number of Standby Pumps	2, 125-hp, 8,500 gpm (18.9 cfs)
	Total Pumping Capacity	17,000 gpm (37.9 cfs)
Existing Facility 73 Retention Pond	Flow through Capacity	8.60 MGD (13.4 cfs)
	Total Storage Capacity	1.90 MG (253,976 cf)
Existing Facility 73 Pump Station C	Number of Duty Pumps	2, 100-hp, 3,000 gpm (6.7 cfs)
	Number of Standby Pumps	1, 100-hp, 3,000 gpm (6.7 cfs)
	Total Pumping Capacity	6,000 gpm (13.4 cfs)
Existing Facility 73 Filter Plant	Flow through Capacity	8.60 MGD (13.4 cfs)
Proposed WLF Pump Station	Number of Duty Pumps	1, 2,500 gpm (5.6 cfs)
	Number of Standby Pumps	1, 2,500 gpm (5.6 cfs)
	Total Pumping Capacity	2,500 gpm (5.6 cfs)
Proposed ELF Pump Station	Number of Duty Pumps	1, 2,500 gpm (5.6 cfs)
	Number of Standby Pumps	1, 2,500 gpm (5.6 cfs)
	Total Pumping Capacity	2,500 gpm (5.6 cfs)

### 7.3 Hydraulic Modeling Results

The hydraulic model was used to analyze storage, pumping, and flooding or ponding in areas of interest based on changed land cover, specifically in Drainage Basins A and 2.2. Table H7-3 summarizes hydraulic model results for the 25-year event for existing conditions, post-cleanup conditions without any improvements, and post-cleanup conditions with the improvements outlined in Section 8. Table H7-4 summarizes hydraulic model results for the peak 7-day event. The model was used to evaluate the following parameters at key facilities:

- Flow rates and volume of flooding at the east end of the U-Ditch
- Flow rates through the proposed WLF Pump Station
- Overflow from the WLF Pump Station to the U-Ditch
- Flow rates through the proposed ELF Pump Station
- Flow rates through Pump Station 004
- Flow rates through the Facility 77 Pump Station
- Storage in the Facility 73 Retention Basin
- Flow rates through Pump Station C

Table H7-5 includes the hydraulic model results for the 25-year event for existing conditions and interim conditions with TSC facilities to manage remediation water during construction and between construction seasons. Table H7-6 includes the hydraulic model results for the peak 7-day event. The TSC facilities are discussed in Section 8. The model was used to evaluate the following parameters at key facilities:

- Flow rates and volume of flooding at the east end of the U-Ditch
- Flow rates through the ELF Pump Station
- Temporary storage in thickener tanks and temporary storage extension at Facility 77
- Flow rates through Pump Station 004
- Flow rates through the Facility 77 Pump Station
- Storage in the Facility 73 Retention Basin
- Flow rates through Pump Station C

Detailed hydraulic model results are included in Attachment H-2. It should be noted that the Outfall 006 Reroute Pump Station, which captures runoff from the Closed BMP and delivers that water through a force main to the U-Ditch, was not included as a specific element in the hydraulic model. The capacity and function of Pump Station 006 will not be impacted by the cleanup action and associated stormwater improvements, so the pump station was not directly modeled to help simplify the model. Discharge from Pump Station 006 to the U-Ditch was calculated using results from the hydrologic model, and those flows are included as a direct flow input to the hydraulic model at the west end of the U-Ditch.

**Table H7-3  
Summary of Hydraulic Model Analysis – 25-Year Event**

Parameter (units)	Existing Conditions	Post-Cleanup Conditions, No Improvements	Post-Cleanup Conditions, with Improvements
<b>Time</b>			
Period of Record	January 5 to 7, 2002		
<b>Conveyance – East End of U-Ditch (Input IDs Ditch3_4)</b>			
Maximum Flow (cfs)	-39.6 (backwater)	-45.0 (backwater)	-29.2 (backwater)
Volume of Flooding (MG)	0	0	0
<b>Pumping – Proposed WLF Pump Station (Input IDs SU1-2_Pump)</b>			
Flow Capacity (cfs)	N/A	N/A	5.57
Average Flow (cfs)	N/A	N/A	3.58
Maximum Flow (cfs)	N/A	N/A	5.57
Total Flow Volume (MG)	N/A	N/A	0.57
<b>Overflow – Proposed WLF Pump Station Overflow To U-Ditch (Input IDs W1)</b>			
Average Flow (cfs)	N/A	N/A	0.06
Maximum Flow (cfs)	N/A	N/A	4.13
Total Flow Volume (MG)	N/A	N/A	0.08
<b>Pumping – Proposed ELF Pump Station (Input IDs PumpSU7-1)</b>			
Flow Capacity (cfs)	N/A	N/A	5.57
Average Flow (cfs)	N/A	N/A	4.12
Maximum Flow (cfs)	N/A	N/A	5.57
Total Flow Volume (MG)	N/A	N/A	0.74
<b>Pumping – Pump Station 004 (Input IDs 004Pump1)</b>			
Flow Capacity (cfs)	1.36	1.36	1.36
Average Flow (cfs)	0.50	0.48	0.47
Maximum Flow (cfs)	1.36	1.36	1.36
Total Flow Volume (MG)	0.27	0.36	0.25
<b>Pumping – Facility 77 Pump Station (Input IDs 77Pump1; 77Pump2)</b>			
Flow Capacity (cfs)	37.9	37.9	37.9
Average Flow (cfs)	19.1	19.0	18.9
Maximum Flow (cfs)	22.3	22.3	22.3
Total Flow Volume (MG)	3.67	4.28	4.86
<b>Storage – Retention Basin (Input IDs RetentionPond)</b>			
Storage Capacity at Launder Crest (cf)	253,976	253,976	253,976
Storage Capacity at Top of Pond (cf)	407,834	407,834	407,834
Maximum Storage (cf)	319,969	329,236	335,409
Average Storage (cf)	264,451	266,885	271,374

<b>Parameter (units)</b>	<b>Existing Conditions</b>	<b>Post-Cleanup Conditions, No Improvements</b>	<b>Post-Cleanup Conditions, with Improvements</b>
Volume of Flooding (MG)	0	0	0
<b>Pumping – Pump Station C (Input IDs CPump1; CPump2)</b>			
Flow Capacity (cfs)	13.4	13.4	13.4
Average Flow (cfs)	13.4	13.4	13.4
Maximum Flow (cfs)	13.4	13.4	13.4
Total Flow Volume (MG)	3.51	4.01	4.34
Maximum Overflow (cfs)	1.68	3.29	4.49

**Table H7-4  
Summary of Hydraulic Model Analysis – Peak Volume Event**

Parameter (units)	Existing Conditions	Post-Cleanup Conditions, No Improvements	Post-Cleanup Conditions, with Improvements
<b>Time</b>			
Period of Record:	November 15 to 28, 1962		
<b>Conveyance – East End of U-Ditch (Input IDs Ditch3_4)</b>			
Maximum Flow (cfs)	-14.4 (backwater)	-16.1 (backwater)	27.2
Volume of Flooding (MG)	0	0	0
<b>Pumping – Proposed WLF Pump Station (Input IDs SU1-2_Pump)</b>			
Flow Capacity (cfs)	N/A	N/A	5.57
Average Flow (cfs)	N/A	N/A	3.26
Maximum Flow (cfs)	N/A	N/A	5.57
Total Flow Volume (MG)	N/A	N/A	3.78
<b>Overflow – To U-Ditch (Input IDs W1)</b>			
Average Flow (cfs)	N/A	N/A	0.01
Maximum Flow (cfs)	N/A	N/A	2.18
Total Flow Volume (MG)	N/A	N/A	0.08
<b>Pumping – Proposed ELF Pump Station (Input IDs PumpSU7-1)</b>			
Flow Capacity (cfs)	N/A	N/A	5.57
Average Flow (cfs)	N/A	N/A	3.51
Maximum Flow (cfs)	N/A	N/A	5.57
Total Flow Volume (MG)	N/A	N/A	4.43
<b>Pumping – Pump Station 004 (Input IDs 004Pump1)</b>			
Flow Capacity (cfs)	1.36	1.36	1.36
Average Flow (cfs)	0.37	0.41	0.36
Maximum Flow (cfs)	1.36	1.36	1.36
Total Flow Volume (MG)	3.05	3.53	2.79
<b>Pumping – Facility 77 Pump Station (Input IDs 77Pump1; 77Pump2)</b>			
Flow Capacity (cfs)	37.9	37.9	37.9
Average Flow (cfs)	25.2	25.3	18.8
Maximum Flow (cfs)	41.0	41.0	22.3
Total Flow Volume (MG)	59.0	60.7	55.4
<b>Storage – Retention Basin (Input IDs RetentionPond)</b>			
Storage Capacity at Launder Crest (cf)	253,976	253,976	253,976
Storage Capacity at Top of Pond (cf)	407,834	407,834	407,834
Maximum Storage (cf)	407,834	407,834	353,583
Average Storage (cf)	289,608	290,984	285,353

<b>Parameter (units)</b>	<b>Existing Conditions</b>	<b>Post-Cleanup Conditions, No Improvements</b>	<b>Post-Cleanup Conditions, with Improvements</b>
Volume of Flooding (MG)	1.007	1.320	0
<b>Pumping – Pump Station C (Input IDs CPump1; CPump2)</b>			
Flow Capacity (cfs)	13.4	13.4	13.4
Average Flow (cfs)	13.4	13.4	13.4
Maximum Flow (cfs)	13.4	13.4	13.4
Total Flow Volume (MG)	46.32	47.75	44.93
Maximum Overflow (cfs)	8.21	8.22	5.61



**Table H7-5  
Summary of Hydraulic Model Analysis – 25-Year Event**

Parameter (units)	Existing Conditions	Interim Conditions (between construction seasons) with TSC Facilities
<b>Time</b>		
Period of Record:	January 5 to 7, 2002	
<b>Conveyance – East End of U-Ditch (Input IDs Ditch3_4)</b>		
Maximum Flow (cfs)	-39.6 (backwater)	-29.1 (backwater)
Volume of Flooding (MG)	0	0
<b>Temporary Pumping – ELF Pump Station to Facility 77 (PumpSU7-1)</b>		
Flow Capacity (cfs)	N/A	5.57
Average Flow (cfs)	N/A	3.59
Maximum Flow (cfs)	N/A	5.57
Total Flow Volume (MG)	N/A	0.82
<b>Temporary Storage – Thickener Tanks at Facility 77 and Facility 77 Extension for Supplemental Batching (Input IDs 77_Thickeners)<sup>1,2</sup></b>		
Storage Capacity – Thickener Tanks (cf)	N/A	256,650
Storage Capacity – Facility 77 Extension (cf)	N/A	133,672
Maximum Storage (cf)	N/A	109,215
Average Storage (cf)	N/A	40,104
<b>Pumping – Pump Station 004 (Input IDs 004Pump1)</b>		
Flow Capacity (cfs)	1.36	1.36
Average Flow (cfs)	0.50	0.24
Maximum Flow (cfs)	1.36	1.36
Total Flow Volume (MG)	0.27	0.13
<b>Pumping – Facility 77 Pump Station (Input IDs 77Pump1; 77Pump2)</b>		
Flow Capacity (cfs)	37.9	37.9
Average Flow (cfs)	19.1	18.9
Maximum Flow (cfs)	22.3	22.3
Total Flow Volume (MG)	3.67	4.98
<b>Storage – Retention Basin (Input IDs RetentionPond)</b>		
Storage Capacity at Launder Crest (cf)	253,976	253,976
Storage Capacity at Top of Pond (cf)	407,834	407,834
Maximum Storage (cf)	319,969	335,368
Average Storage (cf)	264,451	271,287
Volume of Flooding (MG)	0	0
<b>Pumping – Pump Station C (Input IDs CPump1; CPump2)</b>		
Flow Capacity (cfs)	13.4	13.4
Average Flow (cfs)	13.4	13.4

<b>Parameter (units)</b>	<b>Existing Conditions</b>	<b>Interim Conditions (between construction seasons) with TSC Facilities</b>
Maximum Flow (cfs)	13.4	13.4
Total Flow Volume (MG)	3.51	4.18
Maximum Overflow (cfs)	1.68	4.48

Notes:

1. This hydraulic analysis scenario reflects the following conservative assumptions relative to the temporary storage at Facility 77 needed to manage remediation water during construction:
  - This scenario conservatively assumes that flows from both landfill areas will have to be managed as remediation water during the 25-year storm event. The flows from the West Landfill will only need to be managed as remediation water during the first construction season (the dry season) because construction of the West Landfill and the permanent stormwater control facilities designed to collect and control runoff from that landfill, including the WLF Pump Station and force main, will be completed at the end of the first construction season, prior to the wet season.
  - The volumes estimated by the hydraulic model reflect the total runoff from a 25-year, 24-hour storm event. It is extremely unlikely that a 25-year storm would occur during the first construction season (the dry season) when runoff from both landfills will need to be managed at the same time. During the wet season (between construction seasons), only runoff from the East Landfill area will need to be managed as remediation water.
  - The runoff volumes estimated by the hydrologic model used as input for this scenario conservatively assume that the land cover over each landfill area is impervious or equal to the permanent condition. The interim condition of the landfills will not be fully impervious and will not be equal to the permanent condition, so actual runoff volumes will likely be lower than those used for this model scenario.
  - This model scenario conservatively assumes that all runoff generated during the 25-year storm event would have to be stored throughout the storm period. The scenario does not factor in the volume of water that would be discharged from the storage at Facility 77 to the Facility 77 sump (if the fluoride content threshold is not reached) or to Facility 71 (if the fluoride content threshold is reached) during the storm because the runoff is actively monitored and managed by Northwest Alloys.
2. A volume of 1,000,000 gallons (133,672 cf) is recommended for the Facility 77 storage extension. Even with the conservative assumptions listed in Note 1, the model results suggest that the need for the storage extension would not be triggered during a 25-year, 24-hour storm.

**Table H7-6  
Summary of Hydraulic Model Analysis – Peak Volume Event**

Parameter (units)	Existing Conditions	Interim Conditions (between construction seasons) with Recommended TSC Facilities
<b>Time</b>		
Period of Record:	November 15 to 28, 1962	
<b>Conveyance – East End of U-Ditch (Input IDs Ditch3_4)</b>		
Maximum Flow (cfs)	-14.4 (backwater)	-27.0 (backwater)
Volume of Flooding (MG)	0	0
<b>Temporary Pumping – East Landfills to Facility 77 (Input IDs PumpSU7-1)</b>		
Flow Capacity (cfs)	N/A	5.57
Average Flow (cfs)	N/A	3.43
Maximum Flow (cfs)	N/A	5.57
Total Flow Volume (MG)	N/A	5.79
<b>Temporary Storage – Thickener Tanks at Facility 77 and Facility 77 Extension for Supplemental Batching (Input IDs 77_Thickeners)<sup>1,2</sup></b>		
Storage Capacity – Thickener Tanks (cf)	N/A	256,650
Storage Capacity – Facility 77 Extension (cf)	N/A	133,672
Maximum Storage (cf)	N/A	770,246
Average Storage (cf)	N/A	403,206
<b>Pumping – Pump Station 004 (Input IDs 004Pump1)</b>		
Flow Capacity (cfs)	1.36	1.36
Average Flow (cfs)	0.37	0.22
Maximum Flow (cfs)	1.36	1.36
Total Flow Volume (MG)	3.05	1.48
<b>Pumping – Facility 77 Pump Station (Input IDs 77Pump1; 77Pump2)</b>		
Flow Capacity (cfs)	37.9	37.9
Average Flow (cfs)	25.2	18.8
Maximum Flow (cfs)	41.0	22.3
Total Flow Volume (MG)	59.0	54.4
<b>Storage – Retention Basin (Input IDs RetentionPond)</b>		
Storage Capacity at Launder Crest (cf)	253,976	253,976
Storage Capacity at Top of Pond (cf)	407,834	407,834
Maximum Storage (cf)	407,834	356,443
Average Storage (cf)	289,608	286,096
Volume of Flooding (MG)	1.007	0
<b>Pumping – Pump Station C (Input IDs CPump1; CPump2)</b>		
Flow Capacity (cfs)	13.4	13.4
Average Flow (cfs)	13.4	13.4

<b>Parameter (units)</b>	<b>Existing Conditions</b>	<b>Interim Conditions (between construction seasons) with Recommended TSC Facilities</b>
Maximum Flow (cfs)	13.4	13.4
Total Flow Volume (MG)	46.32	43.00
Maximum Overflow (cfs)	8.21	5.67

Notes:

1. This hydraulic analysis scenario reflects the following conservative assumptions relative to the temporary storage at Facility 77 needed to manage remediation water during construction:
  - This scenario conservatively assumes that flows from both landfill areas will have to be managed as remediation water during the peak volume storm event. The flows from the West Landfill will only need to be managed as remediation water during the first construction season (the dry season) because construction of the West Landfill and the permanent stormwater control facilities designed to collect and control runoff from that landfill, including the WLF Pump Station and force main, will be completed at the end of the first construction season, prior to the wet season.
  - The volumes estimated by the hydraulic model reflect the total runoff from the peak volume storm event, which represents a 7-day period from the record that generated the largest volume of runoff. It is extremely unlikely that the peak volume storm event would occur during the first construction season (the dry season) when runoff from both landfills will need to be managed at the same time. During the wet season (between construction seasons), only runoff from the East Landfill area will need to be managed as remediation water.
  - The runoff volumes estimated by the hydrologic model used as input for this scenario conservatively assume that the land cover over each landfill area is impervious or equal to the permanent condition. The interim condition of the landfills will not be fully impervious and will not be equal to the permanent condition, so actual runoff volumes will likely be lower than those used for this model scenario.
  - This model scenario conservatively assumes that all runoff generated during the peak volume storm event would have to be stored throughout the storm period. The scenario does not factor in the volume of water that would be discharged from the storage at Facility 77 to the Facility 77 sump (if the fluoride content threshold is not reached) or to Facility 71 (if the fluoride content threshold is reached) during the storm because the runoff is actively monitored and managed by Northwest Alloys.
2. A volume of 1,000,000 gallons (133,672 cf) is recommended for the Facility 77 storage extension. The model suggests that the total volume discharged to Facility 77 storage would exceed the combined capacity of the storage tanks and storage extension at Facility 77 during the peak volume storm. However, given the very conservative assumptions built into this scenario, the recommended 1,000,000-gallon storage extension will be more than adequate to handle overflow from storm events that occur while managing remediation water from the landfill areas during construction.

### 7.3.1 *Impacts of Cleanup Action*

The model was used to evaluate the impact of the cleanup action on the existing stormwater system at the site. These impacts include shallow flooding and capacity limitation issues that would limit the ability of the system to effectively manage stormwater runoff under peak storm event conditions. Although a site-wide model was used, the analysis was primarily focused on evaluating conveyance, detention, and management of stormwater runoff from areas that will be impacted by the cleanup action. Facilities that would be impacted by the changed stormwater runoff conditions resulting from the cleanup action include the following:

- **U-Ditch.** The U-Ditch will capture overflow runoff during peak storm events from the low permeability cap to be placed over the West Landfill in Drainage Basin A. Without the recommended improvements, the U-Ditch would have to capture and convey all runoff from the low permeability cap to be placed over the West Landfill, and the capacity would be exceeded such that shallow flooding would result.
- **Conveyance near West Landfill.** Ditches, culverts, and other conveyance facilities downstream of the U-Ditch, from the U-Ditch to Facility 77, will also be impacted by runoff captured during peak storm events by the U-Ditch from the low permeability caps to be placed over the West Landfill.
- **Conveyance near the East Landfills.** Ditches, culverts, and other conveyance facilities near the East Landfills will be impacted by increased runoff from the low permeability caps to be placed over the East Landfills. Without the recommended improvements, these ditches would be overwhelmed by the increased flow from the low permeability caps over the East Landfills.
- **Pump Station 004.** Pump Station 004, which routes stormwater runoff from Drainage Basin 2.2 through a 6-inch force main back to a connection with the gravity storm drain system in Drainage Basin 2.1, will also be impacted by increased runoff from the low permeability caps to be placed over the East Landfills. Without the recommended improvements, Pump Station 004 would be overwhelmed by the increased flow from the low permeability caps over the East Landfills, and shallow flooding would occur upstream of the pump station.
- **Facility 77 Sump/Pump Station.** The Facility 77 Sump/Pump Station, which captures stormwater runoff from the stormwater systems in Drainage Basins 2.1, 2.2, 2.3, 2.4, and A and delivers the stormwater runoff to the Facility 73 Retention Pond for treatment, will be impacted by changes to runoff patterns from the East and West Landfills.
- **Facility 73 Retention Pond.** The Facility 73 Retention Pond, which has limited capacity (1.9 MG) and serves as pretreatment and detention for the Facility 73 filtration process, will also be impacted by changes to runoff patterns from the East and West Landfills. Without the recommended improvements, the capacity of the Facility 73 Retention Pond would overflow as a result of the increased flows from the East and West Landfills.

- **Pump Station C.** Pump Station C pumps water from the Retention Pond through the Facility 73 Filter Plant to Outfall 002A. The maximum capacity of Pump Station C is 8.6 MGD (13.4 cfs). Without the recommended improvements, that capacity of Pump Station C would be overwhelmed by the increased flows from the East and West Landfills. Analysis focused on identifying improvements that will manage stormwater flows upstream of Pump Station C while maintaining the same capacity at Pump Station C.
- **Facility 73 Filter Plant.** The Facility 73 Filter Plant provides treatment for stormwater runoff and is also limited in capacity to 8.6 MGD (13.4 cfs). Analysis focused on identifying improvements that will manage stormwater flows upstream of Pump Station C while maintaining the same capacity at Pump Station C and through the Filter Plant.

Impacts of the cleanup action that were identified by the hydraulic analysis are summarized in Table H7-7.

**Table H7-7  
Summary of Impacts – Existing System Under Existing and Post Cleanup Conditions**

Facility	Description of Deficiency	Deficiency Identified	
		Existing Conditions	Post-Cleanup Conditions
U-Ditch	Floods during 25-year event and peak 7-day volume event	X	X
Retention Basin	Overtops during peak 7-day volume event	X	X
Pump Station 004	Floods during peak 7-day volume event	X	X

### 7.3.2 Evaluation of Recommended Improvements

A variety of improvements were evaluated to address the impacts identified in Table H7-6. Those that provide temporary control during construction and between construction seasons (i.e., for the management of remediation water) and those that provide improved control of stormwater under post-cleanup conditions are summarized in detail in Section 8. This report does not summarize the analysis of every improvement option or scenario that was considered but provides results for improvements sufficient to demonstrate the ability meet the needs of the site under post-cleanup runoff conditions and TSC (remediation water) conditions. The hydraulic model was used to narrow down and refine the improvements that are described in more detail in Section 8.

## 8 Summary of Stormwater Improvements and Temporary Stormwater Control Facilities

The following provides a description of the permanent stormwater improvements designed to address the impacts noted in Section 7.3.1 and provide capacity so that the stormwater system can collect, convey, store, and discharge stormwater runoff from the site under post-cleanup action conditions while minimizing impacts on the capacity of stormwater retention, pumping, and treatment facilities and preventing shallow flooding or overflow of stormwater facilities. These stormwater improvements are shown schematically in Figure H8-1. This section also includes a description of the design and sizing of TSC facilities needed to manage remediation water during construction of the cleanup action. The stormwater improvements and TSC facilities are based on the results of the site-wide hydrologic and hydraulic analyses (Sections 6 and 7, respectively). The stormwater improvements and TSC facilities are also illustrated on the Drawings in Appendix E of the Final EDR.

### 8.1 Stormwater Improvements

As noted previously, the cleanup action will include installation of low permeability caps over the West Landfill and East Landfills. These low permeability caps essentially represent several acres of additional impervious land cover that will generate increased stormwater runoff. Permanent stormwater improvements are needed to accomplish the following design objectives:

- Control runoff from the remediated site so that flow rates do not exceed the capacity of Facility 73, which is currently 13.4 cfs and equal to 8.6 MGD if the system operates at peak capacity continuously for 24 hours.
- Prevent shallow on-site flooding for storm events up to the 25-year storm.
- Limit the extent of shallow on-site flooding during the peak runoff volume event.

Sections 8.1.1 through 8.1.3 summarize the stormwater improvements recommended to enable the on-site stormwater system to manage stormwater runoff and meet these objectives.

#### 8.1.1 *West Landfill*

The surface of the cap over the West Landfill has been designed to drain through a GCL-lined perimeter ditch directly to a low spot near the northeast corner of the landfill. As noted in Section 6.2, the cleanup action will result in an increase of approximately 64% in the 25-year, 24-hour average discharge rate and an increase of more than 100% in the peak 25-year discharge rate from Drainage Basin A. To limit the impacts on downstream conveyance, pumping, Retention Pond, and filtration facilities, the following stormwater improvements are proposed:

- **Install Lined Perimeter Ditch Along Edges of the West Landfill.** To collect runoff from the surface of the low permeability cap over the West Landfill, GCL-lined perimeter ditches will be

constructed along the north and east sides of the landfill. The proposed ditches will have a base width of at least 8 feet and a minimum depth of 2 feet.

- **Convey Runoff from Lined Perimeter Ditches to New WLF Pump Station.** The perimeter ditches along the north and east edges of the West Landfill will be constructed to capture and convey water to a low point at the northeast corner of the West Landfill. Runoff will overflow into a manhole and be conveyed from the manhole through a 24-inch-diameter watertight corrugated polyethylene (CPE) pipe to the new pump station, designated in the design documents as the WLF Pump Station. The WLF Pump Station will be located northeast of the West Landfill near the south edge of the U-Ditch.
- **Construct the New WLF Pump Station.** The WLF Pump Station will include two pumps, each rated for 2,500 gpm at the water level associated with maximum water level in the ditch system and pump station wet well. The pumps will be operated using a duty-standby strategy, resulting in a rated pump station capacity of 2,500 gpm with one pump out of service. Each pump will be powered by a variable frequency drive (VFD) for which the low-speed flow rate basis is 1,250 gpm. The use of VFDs will allow for smaller wet well sizing and reduced pump cycling to reduce pump wear. Normal operations will have the pumps cycle on at low speed at a designated high-level set point and off at a designated low level. The level band will be set to minimize or prevent surcharging of flow into the manhole and landfill perimeter ditches. When pump station inflow exceeds the 1,250-gpm basis, the pump will speed up to maintain a level near the high-level set point. During large storm events that cause inflow to exceed the duty pump's capacity at full speed, surcharge of the pump station structure and upstream manhole will occur, and flows will back up into the perimeter ditch along the north edge of the West Landfill to attenuate peak flows. This surcharge back into the lined perimeter ditch is expected to last for approximately 28 hours and will result in water ponding to a maximum depth of 5 inches at the downstream end of the perimeter ditch during the peak volume event.

The pumps at the WLF Pump Station will be vertical turbine pumps installed in a 14-foot-deep, 12-foot-diameter manhole. The top of the WLF Pump Station structure will be installed approximately level with the top of the adjacent perimeter ditch berms. During peak storm events, when inflow exceeds the capacity of the WLF Pump Station, water will be allowed to overflow a weir located in a vault adjacent to the pump station and connected to the pump station wet well with an 18-inch-diameter CPE overflow pipe. The weir elevation will be set such that more than 6 inches of freeboard is maintained in the perimeter ditch during peak runoff events when water has surcharged the upstream manhole and the excess water is flowing over the weir. Water that overflows the weir from the WLF Pump Station vault will be discharged to the U-Ditch through a short segment of 18-inch CPE storm drain. The hydraulic analysis indicates that the WLF Pump Station will be able to keep up with flows discharged from the cover over the West Landfill up to and including flows from a 5-year storm. Overflow



to the U-Ditch would occur for storms larger than the 5-year storm. Water that overflows to the U-Ditch will flow down the system through ditches and culverts to the sump at Facility 77, where it will then be pumped to the Facility 73 for treatment prior to discharge through Outfall 002A to the Columbia River.

- **Install a New Force Main from the WLF Pump Station to Outfall 002A.** The WLF Pump Station will discharge to a buried 14-inch-diameter dimension ratio (DR) 17 butt-fused high density polyethylene (HDPE) force main pipeline. The size of the pipe, which has an inner diameter of 12.25 inches, was selected to limit the flow velocity to below 8 fps, which is a typical limit to minimize pipe wear and to allow for efficient operations of the pumps. The buried pipeline will be routed to the northeast along the south edge of the U-Ditch. It will then turn south to the fence line at the levee and then run inside the fence to the thickener tank area. It will connect to the force main from the ELF Pump Station at a tee near Outfall 002A. Section 8.1.3 includes a description of the connection of the combined West Landfill and East Landfill force mains to Outfall 002A.
- **U-Ditch Improvements.** The U-Ditch will be cleared of vegetation and regraded to improve maintenance and preserve capacity. The berm between the former leachate ditch and the north branch of the U-Ditch will be removed to reconnect those two segments of the U-Ditch. Each branch of the U-Ditch will also be filled in so that the bottom elevation in each ditch will be higher than the seasonal high groundwater. The bottom elevations will vary from approximately 9.0 feet at the west end to 7.5 feet at the east end. This will allow the ditch to dry out during the summer months to facilitate mowing and other maintenance. The trees along the berm between the two branches of the U-Ditch will be removed. The berm will be preserved, but the top of the berm will be lowered and flattened. The west end of the north branch of the U-Ditch and former connections to the CDID Ditch No. 14 will be filled in.

### 8.1.2 *East Landfills*

As summarized in Section 6.2, the cleanup action will result in an increase in stormwater runoff from the East Landfills to an average flow of 2.4 cfs and a peak flow rate of 12.6 cfs during a 25-year, 24-hour storm. Drainage Basin 2.5 will be a new basin created by capturing the runoff from the clean, low permeability caps covering the East Landfills and routing that runoff directly to Outfall 002A via the new ELF Pump Station. Drainage Basin 2.2 will decrease from 27.9 acres to 13.4 acres of roadway and miscellaneous vegetated areas that surround East Landfill Nos. 1 and 2. This will require the following stormwater improvements:

- **Install Lined Perimeter Ditches Around East Landfill No. 2.** To collect runoff from the surface of the low permeability caps over East Landfill No. 2, GCL-lined perimeter ditches will be constructed. As noted in Section 8.2, because the final grading design in and around the East Landfills needs to be completed following initial placement and consolidation of landfill

material (following Year 1 of construction), the lined landfill perimeter ditches will not be completed until the final low permeability cap is placed over the East Landfills during construction season 2. The completed landfill perimeter ditches will have a base width of at least 8 feet and a minimum depth of 2 feet.

- **Install Lined Perimeter Ditch and Drainage Channel Discharge for East Landfill No. 1.** To collect runoff from the surface of the low permeability cap over East Landfill No. 1, the landfill will be graded toward a center drainage channel and conveyed to a GCL-lined perimeter ditch. The GCL-lined perimeter ditch will be located along the northwestern portion of the landfill. The landfill perimeter ditch will have a base width of at least 8 feet (the base will be wider at the southwest corner of the landfill) and a minimum depth of 2 feet.
- **Convey Runoff from Perimeter Ditches to the New ELF Pump Station.** The perimeter ditches around East Landfill Nos. 1 and 2 will be constructed to capture and convey water to low points at the western corner of East Landfill No. 1 and at the northern corner of East Landfill No. 2, which will be in close proximity to one another. Runoff will overflow into a manhole in each ditch and will be conveyed from each manhole through 24-inch-diameter watertight CPE pipes to a collection manhole between the two, where the flows from each landfill will join and flow through another 24-inch CPE storm drain under Berth Road to the new ELF Pump Station. The ELF Pump Station will be located on the northwest side of Berth Road, just north of the railroad tracks that cross between East Landfill Nos. 1 and 2 and just south of the Cowlitz County Public Utility District power transmission line easement for overhead transmission lines that cross the site between East Landfill Nos. 1 and 2.
- **Construct the New ELF Pump Station.** The ELF Pump Station will include two pumps, each rated for 2,500 gpm at the ditch water level associated with minimum water level in the ditch system and pump station wet well. The pumps will be operated using a duty-standby strategy, resulting in a rated pump station capacity of 2,500 gpm with one pump out of service. Each pump will be powered by a VFD for which the low-speed flow rate basis is 1,250 gpm. The use of VFDs will allow for smaller wet well sizing and reduced pump cycling to reduce pump wear. Normal operations will have the pumps cycle on at low speed at a designated high-level set point and off at a designated low level. The level band will be set to minimize or prevent surcharging of flow into the manholes. When pump station inflow exceeds the 1,250-gpm basis, the pump will speed up to maintain level near the high-level set point. During large storm events that cause inflow to exceed the duty pump's capacity at full speed, surcharge of the pump station, the upstream manholes, and the perimeter ditch will occur, and flows will back up through the storm drain piping into the perimeter ditches adjacent to the East Landfills. This surcharge back into the lined perimeter ditches around the East Landfills is expected to last for approximately 28 hours and will result in water ponding to a maximum depth of 12 inches at the downstream end of the perimeter ditch at the southwest corner of East Landfill No. 1 during the peak volume event.

The pumps at the ELF Pump Station will be vertical turbine pumps installed in a 14-foot-deep, 12-foot-diameter manhole. The top of the structure will be installed approximately level with the top of the adjacent perimeter ditch berms. This will cause the two perimeter ditches to effectively share storage. At maximum storage conditions, more than 6 inches of freeboard will be maintained below the top of the ditch berms in the perimeter ditches during peak runoff events when water has surcharged the manholes, pipes, and ditches upstream of the ELF Pump Station.

- **Install a New Force Main from the East Landfill Pump Station to Outfall 002A.** The ELF Pump Station will discharge into a buried 16-inch-diameter DR 17 HDPE force main pipeline. The size of the pipe, which has an inner diameter of 14.01 inches, was selected to limit pump station horsepower to within the capacity of an existing nearby electrical source. The buried pipeline will be routed to the south along the west side of Berth Road, generally parallel with the discharge line that conveys flows from Pump Station 004 to the storm drain system in the Former South Plant area. The force main will turn to the west near the gate and ramp at the bottom of the CDID levee. The pipe will continue to the west in an access road that runs along the south side of SU5, entering an area of congested infrastructure at the south end of the Former South Plant. The force main alignment shown on the Drawings is based on burying the pipeline for its entire length. This force main will connect with the force main from the WLF pump station at the tee described in Section 8.1.3.
- **Modify Drainage Ditches Along Berth Road.** The ditches that collect and convey runoff from the existing Drainage Basin 2.2 will be modified so that roadside ditches and facilities that convey runoff to Pump Station 004 are separate but parallel with lined perimeter ditches that will convey runoff from the clean caps over the East Landfills. Runoff from Drainage Basin 2.2 will continue to flow to Pump Station 004. The modified ditches that would convey flows from Drainage Basin 2.2 to Pump Station 004 would be reduced in size relative to the existing ditches. The culverts that connect the existing ditches would be left in place or replaced and would continue to be used to convey water through Drainage Basin 2.2. The modified ditches would primarily collect drainage from Berth Road and railroad areas adjacent to the landfills.

### *8.1.3 West Landfill and East Landfill Force Mains to Outfall 002A*

The WLF and ELF Pump Station force mains will join at a tee near the thickener tanks at Facility 77. The force mains will combine at the tee into a branch of the force main that will connect into the Outfall 002A piping manifold downstream of the Facility 73 flow meter. The existing fitting that was used to connect discharge from Pump Stations A and B to Outfall 002A will be modified to provide a connection for the new combined force main from the WLF and ELF Pump Stations. From there, the Outfall 002A pipeline is 30 inches in diameter and discharges to the Columbia River. Flows through

the outfall will include the combined flows from the WLF Pump Station, ELF Pump Station, and Pump Station C/Facility 73 Filter Plant. As a result of the additional flows from the West Landfill and East Landfills, the following increases will occur for the peak conditions in the 30-inch outfall pipe downstream of the connection point:

- Flow rate: 13.4 cfs (6,000 gpm) to 23.4 cfs (10,500 gpm)
- Velocity: 2.7 to 4.7 fps
- Head loss: 0.17 to 0.7 feet

These increased conditions are within the capacity of the 30-inch pipeline and require no modifications to Pump Station C or the Filter Plant to maintain current performance in those systems.

Flows from Outfall 002A will be metered at three locations:

- Flows from the WLF Pump Station to Outfall 002A will be metered at a new flow meter that will be installed on the discharge pipe upstream of its connection to the force main.
- Flows from the ELF Pump Station to Outfall 002A will be metered at a new flow meter that will be installed on the discharge pipe upstream of its connection to the force main.
- Flows from Facility 73/Pump Station C to Outfall 002A will continue to be metered at the existing flow meter at the manifold adjacent to the Facility 77 Pump Station.

The total flow to Outfall 002A will be reported by adding the flows from the three meters listed in the previous paragraph in Alcoa's monitoring system. The required water quality monitoring and sampling will continue to occur from a tap on the Outfall 002A discharge pipe in a small building referred to as the "Frog Shack" just downstream of the Facility 77 manifold where these flows will converge.

## 8.2 Temporary Stormwater Control Facilities

As described in Section 1.3.3 and Special Condition S1.E. of the site's NPDES permit, water accessed from the shallow water-bearing zone of the East and West Groundwater Areas and stormwater that commingles with contaminated groundwater or contaminated soil is considered remediation water and must be managed during the cleanup. TSC facilities will be used in coordination with the permanent stormwater improvements to collect and convey remediation water during construction and between construction seasons. This section of the Stormwater Report also provides a division of labor between the Contractor and the Owner for the management of remediation water. The Contractor will be responsible for the collection and conveyance systems necessary to transport remediation water to Facility 77 for the Owner to batch, test, and treat in accordance with the RWMP (Appendix K of the Final EDR). For purposes of this Stormwater Report, the Contractor responsibilities are discussed.

These TSC facilities will be phased in prior to and during the remediation activities that occur during construction season 1 and phased out as the permanent stormwater improvements are fully operable and as the landfills are completed and remediation water is no longer present in the runoff from the landfill areas. Sections 8.2.1 and 8.2.2 provide an overview of the recommended TSC facilities needed to collect and convey remediation water during the cleanup.

### *8.2.1 West Landfill*

The West Landfill is proposed to be completed entirely within the first construction season. TSC facilities will be required during landfill construction until the West Landfill is completed and the WLF Pump Station and force main are operational and ready to deliver clean runoff from the cover over the West Landfill to Facility 77. Remediation water collection and conveyance from this area will require the following:

- **Install North Perimeter Ditch.** Remediation at the West Landfill is not anticipated to generate a significant volume of remediation water because waste excavation is expected to terminate above the groundwater level. However, in the event of a summer storm or if groundwater is encountered, remediation water will need to be collected. The perimeter West Landfill ditches are a permanent stormwater improvement, described in Section 8.1.1. The perimeter ditch along the north edge of the West Landfill will be constructed prior to landfill excavation and consolidation. Stormwater that contacts the West Landfill during waste consolidation will be directed by the Contractor to the perimeter ditch along the north edge of the West Landfill. Water captured in the perimeter ditch will be conveyed to a temporary sump at the northeast corner of the West Landfill.
- **Install Temporary Sump, Pump, and Connection to Facility 77.** Remediation water collected in the temporary sump and the northeast corner of the West Landfill will be pumped through temporary conveyance piping to Facility 77. Further details are included in the RWMP (Appendix K of the Final EDR).

### *8.2.2 East Landfills*

Construction of the East Landfills will span at least two construction seasons. Landfill material will be placed during construction season 1 and temporarily covered. Permanent stormwater improvements, as described in Section 8.1.2, will be installed ahead of any landfill work during construction season 1 so that the facilities can be used for remediation water management during construction, including between construction seasons. TSC facilities that will be required until landfill caps following construction season 2 are complete include the following:

- **Install Temporary Cofferdam or a Plug in the Culvert for Pump Station 004.** A temporary cofferdam or culvert plug will be installed at the downstream end of the existing ditch

between Berth Road and the northwest corner of SU7. Minor grading will also be completed within the ditch to ensure that water can be captured and conveyed to the ELF Pump Station.

- **Install Temporary Stormwater Connection.** A temporary stormwater connection will be installed from the existing ditch that collects runoff along the west side of the East Landfills under Berth Road to the ELF Pump Station to intercept water in the ditch and convey that water to the ELF Pump Station. This water will be managed as remediation water during construction. Remediation water will be pumped from the ELF Pump Station through the force main to Facility 77, where it will be batched and monitored for fluoride content. Further details are included in the RWMP (Appendix K of the Final EDR).
- **Install Facility 77 Extension.** Construction of an extension to Facility 77 will be added for supplemental batching. This batch system extension will be located by the Contractor at the former sandblast area, west of Facility 77. At least 1,000,000 gallons of temporary storage will be installed at this location to accommodate overflow from temporary storage in the Facility 77 tanks that may occur during peak storm events. Temporary piping will be installed to extend the batching capacity within Facility 77. The Owner will use all Facility 77 batching capacity to evaluate each treatment batch to successfully manage remediation water through either Facility 71 or Facility 73.

## 9 References

- Anchor QEA, 2017. *Engineering Report and AKART Evaluation for NPDES Permit Application*. Submitted on behalf of Millennium Bulk Terminals – Longview, LLC. February 2017.
- Cowlitz County, 2017. *Cowlitz County Stormwater Drainage Manual*. June 2017. Available at: <http://www.co.cowlitz.wa.us/DocumentCenter/View/12736/Stormwater-Drainage-Manual-1706?bidId=>.
- Ecology (Washington State Department of Ecology), 2007. Model Toxics Control Act Statute and Regulation. Publication No. 94-06. Revised November 2007.
- Ecology, 2018a. *Cleanup Action Plan*. Former Reynolds Metals Reduction Plant – Longview. October 2018.
- Ecology, 2018b. *Consent Decree*. Former Reynolds Metals Reduction Plant – Longview. December 13, 2018.
- Ecology, 2018c. National Pollutant Discharge Elimination System, Waste Discharge Permit No. WA0000086. Issued February 7, 2018.
- Ecology, 2019. *Stormwater Management Manual for Western Washington*. Washington State Department of Ecology. Publication No. 19-10-021 (Update of the 2014 *Stormwater Management Manual for Western Washington*, Publication No. 14-10-055). Revised July 2019.
- Harbison, Patrick, and Sara Kalal (Cowlitz County), 2020. Personal communication with David Rice (Anchor QEA, LLC). August 12, 2020.

## Figures

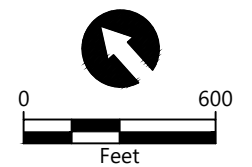
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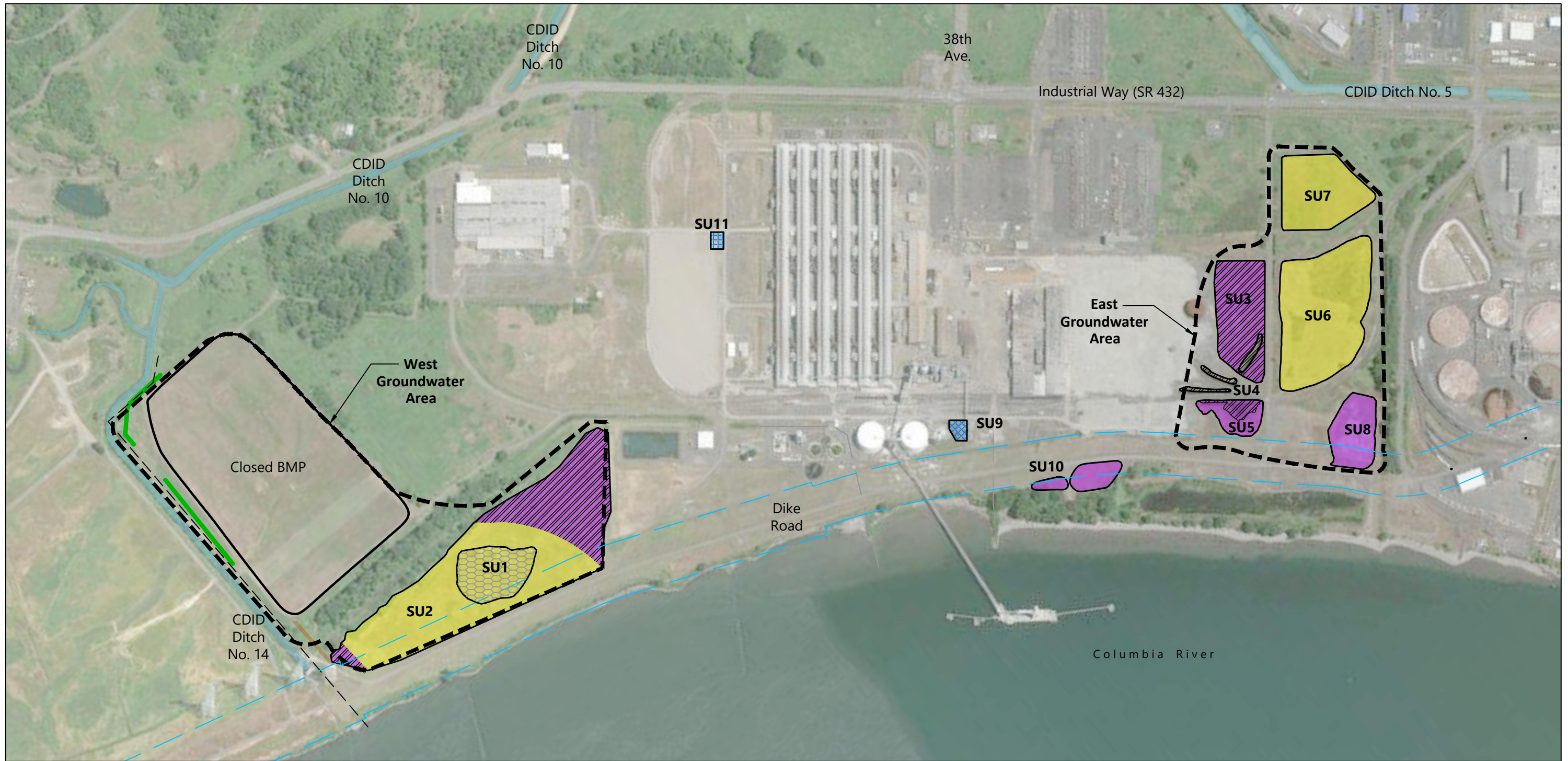


**SOURCE:** Site boundary is based on ALTA/ACSM Land Title Survey by Minister & Glaeser Surveying, Inc., dated December 13, 2010. Proposed design by HDR, Inc. Aerial image from Bing Maps.  
**HORIZONTAL DATUM:** Washington State Plane South Zone, NAD83, U.S. Survey Feet

**LEGEND:**  
 - - - - - Parcel Boundary

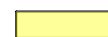


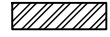






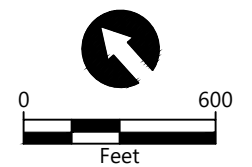




**SOURCE:** Drawing prepared from ALTA Survey (Minister & Glaeser Surveying, Inc.) conducted on November 11, 2010. Aerial image from Bing Maps.  
**HORIZONTAL DATUM:** Washington State Plane South Zone, NAD83, U.S. Survey Feet

**LEGEND:**

- |  |   |
|--|---|
|  Low Permeability Cap             |  Excavate and Low Permeability Cap |
|  Excavate and Consolidate on Site |  Reactive Backfill                 |
|  Excavate and Dispose off Site    |  Groundwater Area                  |
|  Permeable Reactive Barrier       |  CDID Levee Right-of-Way (ROW)     |



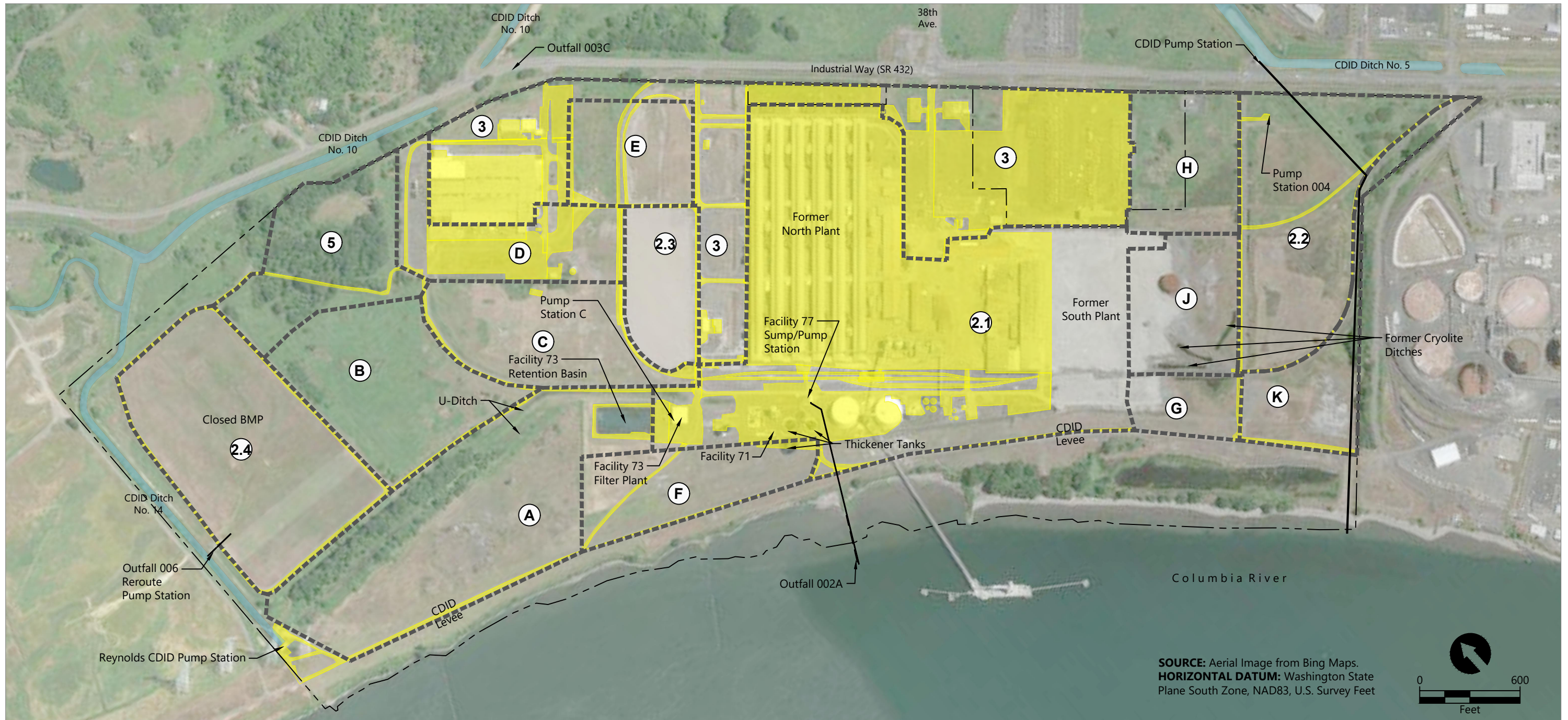
Publish Date: 2022/05/27 10:49 AM | User: chewett  
 Filepath: 0730-RP-060 (Cleanup Areas - Eng Design Rep).dwg Figure H2-2



**Figure H2-2**  
**Cleanup Action Areas**

Stormwater Design Report  
 Former Reynolds Metals Reduction Plant – Longview





SOURCE: Aerial Image from Bing Maps.  
 HORIZONTAL DATUM: Washington State Plane South Zone, NAD83, U.S. Survey Feet



- LEGEND:**
- Site Boundary
  - Approximate Impervious Area
  - 5 Drainage Basin Identification and Approximate Drainage Delineation

Drainage Basin	Impervious Area (in acres)	Pervious Area (in acres)	Total Area (in acres)
Basin 2.1	62.2	26.5	88.7
Basin 2.2	0.9	27.0	27.9
Basin 2.3	0.2	9.2	9.4
Basin 2.4	1.7	31.4	33.1
Basin 3	37.8	19.7	57.5
Basin 5	0.5	16.7	17.2

Drainage Basin	Impervious Area (in acres)	Pervious Area (in acres)	Total Area (in acres)
Basin A	1.5	39.0	40.5
Basin B	0.4	21.0	21.4
Basin C	1.2	16.1	17.3
Basin D	7.0	7.1	14.1
Basin E	1.1	9.6	10.7
Basin F	0.8	12.1	12.9

Drainage Basin	Impervious Area (in acres)	Pervious Area (in acres)	Total Area (in acres)
Basin G	0.2	5.4	5.6
Basin H	0.0	12.7	12.7
Basin J	0.0	12.3	12.3
Basin K	0.5	11.7	12.2

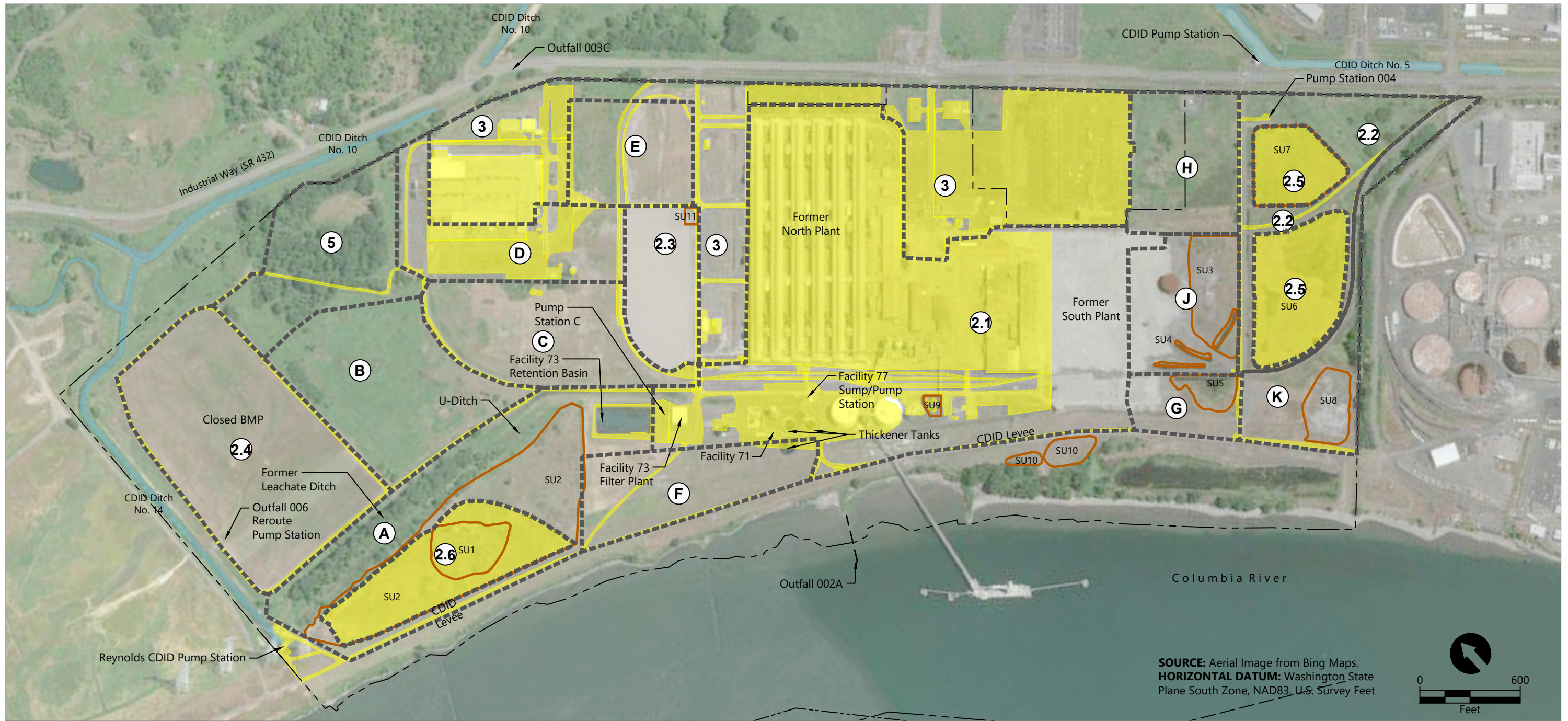
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 Filepath: 0730-WK-017-Stormwater.dwg Figure H3-1



**Figure H3-1**  
**Existing Drainage Basins and Impervious Land Cover**

Stormwater Design Report  
 Former Reynolds Metals Reduction Plant – Longview





- LEGEND:**
- Parcel Boundary
  - Approximate Impervious Area
  - 5 Drainage Basin Identification and Approximate Drainage Delineation
  - Cleanup Site Unit

Drainage Basin	Impervious Area (in acres)	Pervious Area (in acres)	Total Area (in acres)
Basin 2.1	62.2	26.5	88.7
Basin 2.2	0.9	12.5	13.4
Basin 2.3	0.2	9.2	9.4
Basin 2.4	1.7	31.4	33.1
Basin 2.5	14.5	0.0	14.5
Basin 2.6	12.6	0.0	12.6

Drainage Basin	Impervious Area (in acres)	Pervious Area (in acres)	Total Area (in acres)
Basin 3	37.8	19.7	57.5
Basin 5	0.5	16.7	17.2
Basin A	1.5	26.4	27.9
Basin B	0.4	21.0	21.4
Basin C	1.2	16.1	17.3
Basin D	7.0	7.1	14.1

Drainage Basin	Impervious Area (in acres)	Pervious Area (in acres)	Total Area (in acres)
Basin E	1.1	9.6	10.7
Basin F	0.8	12.1	12.9
Basin G	0.2	5.4	5.6
Basin H	0.0	12.7	12.7
Basin J	0.0	12.3	12.3
Basin K	0.5	11.7	12.2

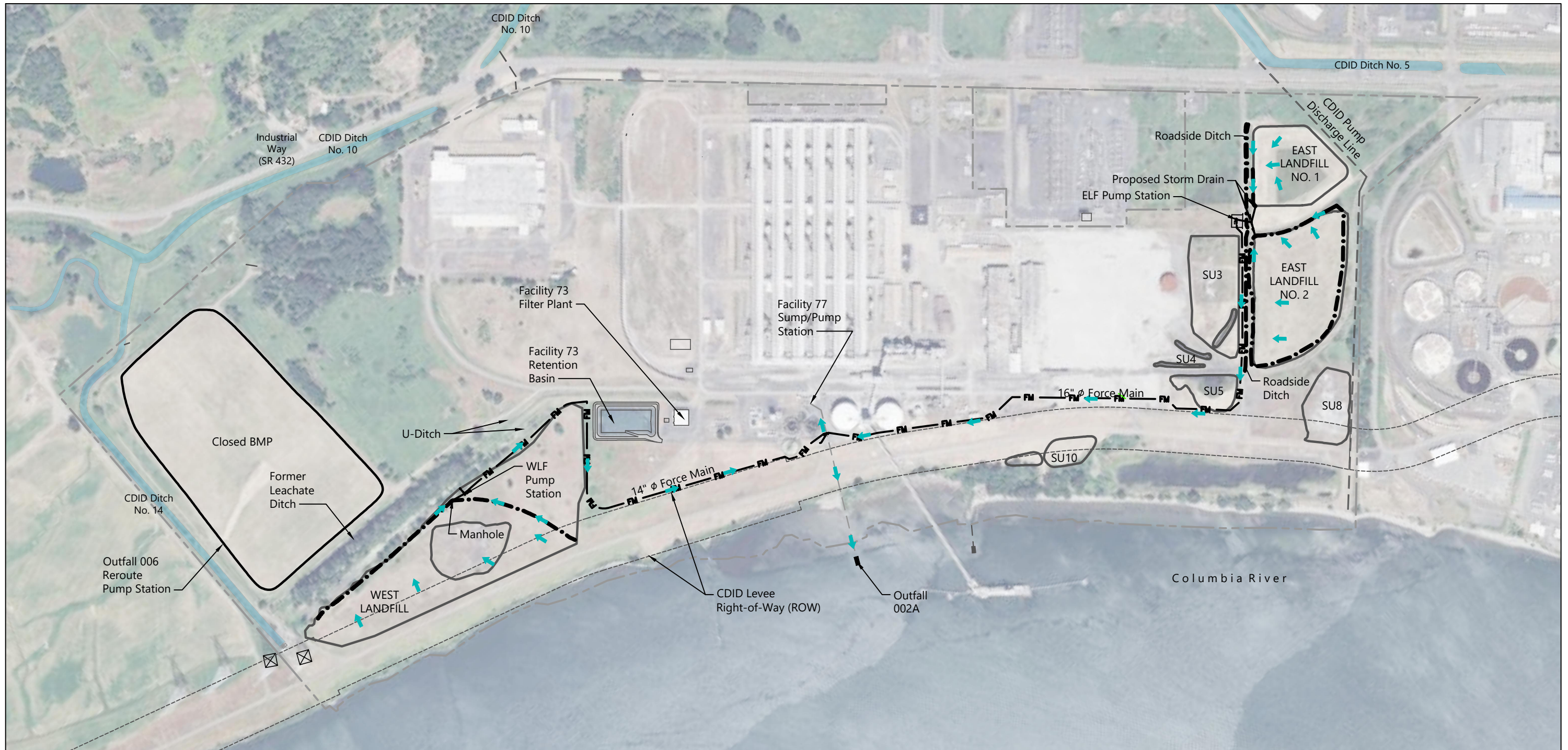
Publish Date: 2022/08/11 9:56 AM | User: chewett  
 Filepath: 0730-WK-020-Stormwater-Proposed.dwg Figure H4-1



**Figure H4-1**  
**Proposed Drainage Basins and Impervious Land Cover**

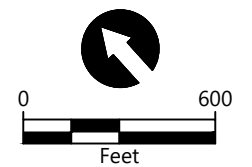
Stormwater Design Report  
 Former Reynolds Metals Reduction Plant – Longview





**SOURCE:** Site boundary is based on ALTA/ACSM Land Title Survey by Minister & Glaeser Surveying, Inc., dated December 13, 2010. Proposed design by HDR, Inc. Aerial image from Bing Maps.  
**HORIZONTAL DATUM:** Washington State Plane South Zone, NAD83, U.S. Survey Feet

- LEGEND**
- Flow Direction (Post-Cleanup Conditions)
  - Proposed Force Main
  - Proposed Storm Drain or Culvert
  - Proposed Ditch
  - Pump Station



Publish Date: 2022/08/12 12:53 PM | User: chewett  
 Filepath: 0730-WK-001 Drainage-Overall.dwg Figure H8-1



**Figure H8-1**  
**Overview of Stormwater Improvements**

Stormwater Design Report  
 Former Reynolds Metals Reduction Plant – Longview

# Attachment H1

## Hydrologic Analysis Results

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**WWHM2012  
PROJECT REPORT**

---

**Project Name:** NWA-Longview\_2022\_08\_12\_PostRemediation  
**Site Name:** Northwest Alloys - Longview  
**Site Address:** 4029 Industrial Way  
**City** : Longview  
**Report Date:** 8/15/2022  
**Gage** : Longview  
**Data Start** : 1955/10/01  
**Data End** : 2009/09/30  
**Precip Scale:** 1.14  
**Version Date:** 2021/08/18  
**Version** : 4.2.18

---

**Low Flow Threshold for POC 1** : 50 Percent of the 2 Year

---

**High Flow Threshold for POC 1:** 50 year

---

**Low Flow Threshold for POC 2** : 50 Percent of the 2 Year

---

**High Flow Threshold for POC 2:** 50 year

---

**Low Flow Threshold for POC 3** : 50 Percent of the 2 Year

---

**High Flow Threshold for POC 3:** 50 year

---

**Low Flow Threshold for POC 4** : 50 Percent of the 2 Year

---

**High Flow Threshold for POC 4:** 50 year

---

**Low Flow Threshold for POC 5** : 50 Percent of the 2 Year

---

**High Flow Threshold for POC 5:** 50 year

---

**Low Flow Threshold for POC 6** : 50 Percent of the 2 Year

---

**High Flow Threshold for POC 6:** 50 year

---

**Low Flow Threshold for POC 7** : 50 Percent of the 2 Year

---

**High Flow Threshold for POC 7:** 50 year

---

Low Flow Threshold for POC 8 : 50 Percent of the 2 Year

---

High Flow Threshold for POC 8: 50 year

---

Low Flow Threshold for POC 9 : 50 Percent of the 2 Year

---

High Flow Threshold for POC 9: 50 year

---

Low Flow Threshold for POC 10 : 50 Percent of the 2 Year

---

High Flow Threshold for POC 10: 50 year

---

Low Flow Threshold for POC 11 : 50 Percent of the 2 Year

---

High Flow Threshold for POC 11: 50 year

---

Low Flow Threshold for POC 12 : 50 Percent of the 2 Year

---

High Flow Threshold for POC 12: 50 year

---

Low Flow Threshold for POC 13 : 50 Percent of the 2 Year

---

High Flow Threshold for POC 13: 50 year

---

Low Flow Threshold for POC 14 : 50 Percent of the 2 Year

---

High Flow Threshold for POC 14: 50 year

---

Low Flow Threshold for POC 15 : 50 Percent of the 2 Year

---

High Flow Threshold for POC 15: 50 year

---

Low Flow Threshold for POC 16 : 50 Percent of the 2 Year

---

High Flow Threshold for POC 16: 50 year

---

Low Flow Threshold for POC 17 : 50 Percent of the 2 Year



---

High Flow Threshold for POC 17: 50 year

---

Low Flow Threshold for POC 18 : 50 Percent of the 2 Year

---

High Flow Threshold for POC 18: 50 year

---

Low Flow Threshold for POC 19 : 50 Percent of the 2 Year

---

High Flow Threshold for POC 19: 50 year

---

Low Flow Threshold for POC 20 : 50 Percent of the 2 Year

---

High Flow Threshold for POC 20: 50 year

---

Low Flow Threshold for POC 21 : 50 Percent of the 2 Year

---

High Flow Threshold for POC 21: 50 year

---

Low Flow Threshold for POC 22 : 50 Percent of the 2 Year

---

High Flow Threshold for POC 22: 50 year

---

Low Flow Threshold for POC 23 : 50 Percent of the 2 Year

---

High Flow Threshold for POC 23: 50 year

---

Low Flow Threshold for POC 24 : 50 Percent of the 2 Year

---

High Flow Threshold for POC 24: 50 year

---

**PREDEVELOPED LAND USE**

Name : SB 5

Bypass: No

GroundWater: No

<u>Pervious Land Use</u>	<u>acre</u>
C, Lawn, Flat	16.7

Pervious Total	16.7
<u>Impervious Land Use</u>	<u>acre</u>
ROADS FLAT	0.5
Impervious Total	0.5
Basin Total	17.2

---

Element Flows To:		
Surface	Interflow	Groundwater

---

Name : SB 3  
 Bypass: No

GroundWater: No

<u>Pervious Land Use</u>	<u>acre</u>
C, Lawn, Flat	19.7
Pervious Total	19.7
<u>Impervious Land Use</u>	<u>acre</u>
ROADS FLAT	37.8
Impervious Total	37.8
Basin Total	57.5

---

Element Flows To:		
Surface	Interflow	Groundwater

---

Name : SB 2.3  
 Bypass: No

GroundWater: No

<u>Pervious Land Use</u>	<u>acre</u>
C, Lawn, Flat	9.2
Pervious Total	9.2
<u>Impervious Land Use</u>	<u>acre</u>
ROADS FLAT	0.2

Impervious Total                    0.2  
Basin Total                            9.4

---

Element Flows To:  
Surface                                Interflow                                Groundwater  
77 Pump                                77 Pump

---

Name        : SB H  
Bypass: No

GroundWater: No

Pervious Land Use                    acre  
C, Pasture, Flat                        12.7

Pervious Total                        12.7

Impervious Land Use                    acre

Impervious Total                        0

Basin Total                              12.7

---

Element Flows To:  
Surface                                Interflow                                Groundwater

---

Name        : SB 2.4  
Bypass: No

GroundWater: No

Pervious Land Use                    acre  
C, Pasture, Flat                        31.4

Pervious Total                        31.4

Impervious Land Use                    acre  
ROADS FLAT                              1.7

Impervious Total                        1.7

Basin Total                              33.1

---

Element Flows To:  
Surface                      Interflow                      Groundwater  
77 Pump                      77 Pump

---

Name : SB D  
Bypass: No

GroundWater: No

<u>Pervious Land Use</u>	<u>acre</u>
C, Pasture, Flat	7.1
Pervious Total	7.1
<u>Impervious Land Use</u>	<u>acre</u>
ROADS FLAT	7
Impervious Total	7
Basin Total	14.1

---

Element Flows To:  
Surface                      Interflow                      Groundwater

---

Name : SB E  
Bypass: No

GroundWater: No

<u>Pervious Land Use</u>	<u>acre</u>
C, Pasture, Flat	9.6
Pervious Total	9.6
<u>Impervious Land Use</u>	<u>acre</u>
ROADS FLAT	1.1
Impervious Total	1.1
Basin Total	10.7

---

Element Flows To:  
Surface                      Interflow                      Groundwater

---

Name : SB 2.1

Bypass: No

GroundWater: No

<u>Pervious Land Use</u>	<u>acre</u>
C, Lawn, Flat	26.5

Pervious Total 26.5

<u>Impervious Land Use</u>	<u>acre</u>
ROADS FLAT	62.2

Impervious Total 62.2

Basin Total 88.7

---

Element Flows To:

Surface	Interflow	Groundwater
77 Pump	77 Pump	

---

Name : SB 2.5 (SU 7 Dummy)

Bypass: No

GroundWater: No

<u>Pervious Land Use</u>	<u>acre</u>
C, Pasture, Flat	.001

Pervious Total 0.001

<u>Impervious Land Use</u>	<u>acre</u>
	0

Impervious Total 0

Basin Total 0.001

---

Element Flows To:

Surface	Interflow	Groundwater
---------	-----------	-------------

---

Name : SB B

Bypass: No

GroundWater: No

<u>Pervious Land Use</u>	<u>acre</u>
C, Pasture, Flat	21
<b>Pervious Total</b>	<b>21</b>
<u>Impervious Land Use</u>	<u>acre</u>
ROADS FLAT	0.4
<b>Impervious Total</b>	<b>0.4</b>
<b>Basin Total</b>	<b>21.4</b>

---

<b>Element Flows To:</b>		
Surface	Interflow	Groundwater

---

Name : SB C  
 Bypass: No

GroundWater: No

<u>Pervious Land Use</u>	<u>acre</u>
C, Pasture, Flat	16.1
<b>Pervious Total</b>	<b>16.1</b>
<u>Impervious Land Use</u>	<u>acre</u>
ROADS FLAT	1.2
<b>Impervious Total</b>	<b>1.2</b>
<b>Basin Total</b>	<b>17.3</b>

---

<b>Element Flows To:</b>		
Surface	Interflow	Groundwater

---

Name : SB 2.2  
 Bypass: No

GroundWater: No

<u>Pervious Land Use</u>	<u>acre</u>
C, Pasture, Flat	27
<b>Pervious Total</b>	<b>27</b>

<u>Impervious Land Use</u>	<u>acre</u>
ROADS FLAT	0.9
<b>Impervious Total</b>	<b>0.9</b>
<b>Basin Total</b>	<b>27.9</b>

---

<b>Element Flows To:</b>		
<b>Surface</b>	<b>Interflow</b>	<b>Groundwater</b>
77 Pump	77 Pump	

---

**Name** : SB 2.6 (SU 1-2 Dummy)  
**Bypass:** No

**GroundWater:** No

<u>Pervious Land Use</u>	<u>acre</u>
C, Pasture, Flat	.001
<b>Pervious Total</b>	<b>0.001</b>
<u>Impervious Land Use</u>	<u>acre</u>
<b>Impervious Total</b>	<b>0</b>
<b>Basin Total</b>	<b>0.001</b>

---

<b>Element Flows To:</b>		
<b>Surface</b>	<b>Interflow</b>	<b>Groundwater</b>

---

**Name** : SB J  
**Bypass:** No

**GroundWater:** No

<u>Pervious Land Use</u>	<u>acre</u>
C, Pasture, Flat	12.3
<b>Pervious Total</b>	<b>12.3</b>
<u>Impervious Land Use</u>	<u>acre</u>
<b>Impervious Total</b>	<b>0</b>
<b>Basin Total</b>	<b>12.3</b>

---

Element Flows To:  
Surface                      Interflow                      Groundwater

---

Name : SB 2.5 (SU 6 Dummy)  
Bypass: No

GroundWater: No

<u>Pervious Land Use</u>	<u>acre</u>
C, Pasture, Flat	.001
Pervious Total	0.001
<u>Impervious Land Use</u>	<u>acre</u>
Impervious Total	0
Basin Total	0.001

---

Element Flows To:  
Surface                      Interflow                      Groundwater

---

Name : SB A  
Bypass: No

GroundWater: No

<u>Pervious Land Use</u>	<u>acre</u>
C, Pasture, Flat	39
Pervious Total	39
<u>Impervious Land Use</u>	<u>acre</u>
ROADS FLAT	1.5
Impervious Total	1.5
Basin Total	40.5

---

Element Flows To:  
Surface                      Interflow                      Groundwater



U-Ditch

U-Ditch

---

**Name** : SB G

**Bypass:** No

**GroundWater:** No

<u>Pervious Land Use</u>	<u>acre</u>
C, Lawn, Flat	5.4

Pervious Total 5.4

<u>Impervious Land Use</u>	<u>acre</u>
ROADS FLAT	0.2

Impervious Total 0.2

Basin Total 5.6

---

**Element Flows To:**

Surface

Interflow

Groundwater

---

**Name** : SB K

**Bypass:** No

**GroundWater:** No

<u>Pervious Land Use</u>	<u>acre</u>
C, Pasture, Flat	11.7

Pervious Total 11.7

<u>Impervious Land Use</u>	<u>acre</u>
ROADS FLAT	0.5

Impervious Total 0.5

Basin Total 12.2

---

**Element Flows To:**

Surface

Interflow

Groundwater

---

**Name** : SB F

Bypass: No

GroundWater: No

<u>Pervious Land Use</u>	<u>acre</u>
C, Lawn, Flat	12.1
<b>Pervious Total</b>	<b>12.1</b>
<u>Impervious Land Use</u>	<u>acre</u>
ROADS FLAT	0.8
<b>Impervious Total</b>	<b>0.8</b>
<b>Basin Total</b>	<b>12.9</b>

---

<b>Element Flows To:</b>		
Surface	Interflow	Groundwater

---

Name : U-Ditch  
Bottom Length: 960.00 ft.  
Bottom Width: 5.00 ft.  
Depth: 3.5 ft.  
Volume at riser head: 0.4026 acre-feet.  
Side slope 1: 0.01 To 1  
Side slope 2: 10 To 1  
Side slope 3: 0.01 To 1  
Side slope 4: 10 To 1  
Discharge Structure  
Riser Height: 3.5 ft.  
Riser Diameter: 24 in.  
Orifice 1 Diameter: 40 in. Elevation: 0 ft.

<b>Element Flows To:</b>	
Outlet 1	Outlet 2
77 Pump	

---

**Pond Hydraulic Table**

<u>Stage(feet)</u>	<u>Area(ac.)</u>	<u>Volume(ac-ft.)</u>	<u>Discharge(cfs)</u>	<u>Infilt(cfs)</u>
3.6500	0.110	0.000	0.000	0.000
3.6889	0.110	0.004	8.562	0.000
3.7278	0.110	0.008	12.10	0.000
3.7667	0.110	0.012	14.83	0.000
3.8056	0.110	0.017	17.12	0.000
3.8444	0.110	0.021	19.14	0.000
3.8833	0.110	0.025	20.97	0.000
3.9222	0.110	0.030	22.65	0.000
3.9611	0.111	0.034	24.21	0.000

4.0000	0.111	0.038	25.68	0.000
4.0389	0.111	0.043	27.07	0.000
4.0778	0.111	0.047	28.39	0.000
4.1167	0.111	0.051	29.66	0.000
4.1556	0.111	0.056	30.87	0.000
4.1944	0.111	0.060	32.03	0.000
4.2333	0.111	0.064	33.16	0.000
4.2722	0.111	0.069	34.24	0.000
4.3111	0.112	0.073	35.30	0.000
4.3500	0.112	0.077	36.32	0.000
4.3889	0.112	0.082	37.32	0.000
4.4278	0.112	0.086	38.29	0.000
4.4667	0.112	0.090	39.23	0.000
4.5056	0.112	0.095	40.16	0.000
4.5444	0.112	0.099	41.06	0.000
4.5833	0.112	0.104	41.94	0.000
4.6222	0.112	0.108	42.81	0.000
4.6611	0.113	0.112	43.65	0.000
4.7000	0.113	0.117	44.49	0.000
4.7389	0.113	0.121	45.30	0.000
4.7778	0.113	0.126	46.11	0.000
4.8167	0.113	0.130	46.89	0.000
4.8556	0.113	0.134	47.67	0.000
4.8944	0.113	0.139	48.43	0.000
4.9333	0.113	0.143	49.18	0.000
4.9722	0.113	0.148	49.92	0.000
5.0111	0.113	0.152	50.65	0.000
5.0500	0.114	0.157	51.37	0.000
5.0889	0.114	0.161	52.08	0.000
5.1278	0.114	0.165	52.78	0.000
5.1667	0.114	0.170	53.47	0.000
5.2056	0.114	0.174	54.15	0.000
5.2444	0.114	0.179	54.82	0.000
5.2833	0.114	0.183	55.49	0.000
5.3222	0.114	0.188	56.14	0.000
5.3611	0.114	0.192	56.79	0.000
5.4000	0.115	0.197	57.43	0.000
5.4389	0.115	0.201	58.07	0.000
5.4778	0.115	0.206	58.70	0.000
5.5167	0.115	0.210	59.32	0.000
5.5556	0.115	0.215	59.93	0.000
5.5944	0.115	0.219	60.54	0.000
5.6333	0.115	0.224	61.14	0.000
5.6722	0.115	0.228	61.74	0.000
5.7111	0.115	0.233	62.33	0.000
5.7500	0.116	0.237	62.92	0.000
5.7889	0.116	0.242	63.50	0.000
5.8278	0.116	0.246	64.07	0.000
5.8667	0.116	0.251	64.64	0.000
5.9056	0.116	0.255	65.20	0.000
5.9444	0.116	0.260	65.76	0.000
5.9833	0.116	0.264	66.32	0.000
6.0222	0.116	0.269	66.87	0.000
6.0611	0.116	0.273	67.42	0.000
6.1000	0.117	0.278	67.96	0.000
6.1389	0.117	0.282	68.49	0.000
6.1778	0.117	0.287	69.03	0.000

6.2167	0.117	0.291	69.56	0.000
6.2556	0.117	0.296	70.08	0.000
6.2944	0.117	0.301	70.60	0.000
6.3333	0.117	0.305	71.12	0.000
6.3722	0.117	0.310	71.63	0.000
6.4111	0.117	0.314	72.14	0.000
6.4500	0.117	0.319	72.65	0.000
6.4889	0.118	0.323	73.15	0.000
6.5278	0.118	0.328	73.65	0.000
6.5667	0.118	0.333	74.15	0.000
6.6056	0.118	0.337	74.64	0.000
6.6444	0.118	0.342	75.13	0.000
6.6833	0.118	0.346	75.62	0.000
6.7222	0.118	0.351	76.10	0.000
6.7611	0.118	0.356	76.58	0.000
6.8000	0.118	0.360	77.06	0.000
6.8389	0.119	0.365	77.53	0.000
6.8778	0.119	0.370	78.00	0.000
6.9167	0.119	0.374	78.47	0.000
6.9556	0.119	0.379	78.94	0.000
6.9944	0.119	0.384	79.40	0.000
7.0333	0.119	0.388	79.86	0.000
7.0722	0.119	0.393	80.32	0.000
7.1111	0.119	0.397	80.77	0.000
7.1500	0.119	0.402	81.22	0.000
7.1889	0.120	0.407	81.84	0.000

**Name** : Wet Pond

**Bottom Length:** 300.00 ft.

**Bottom Width:** 150.00 ft.

**Depth:** 14.75 ft.

**Volume at riser head:** 10.4374 acre-feet.

**Side slope 1:** 3 To 1

**Side slope 2:** 3 To 1

**Side slope 3:** 3 To 1

**Side slope 4:** 3 To 1

**Discharge Structure**

**Riser Height:** 8 ft.

**Riser Diameter:** 20 in.

**Element Flows To:**

**Outlet 1**

**Outlet 2**

PS C

**Pond Hydraulic Table**

<u>Stage(feet)</u>	<u>Area(ac.)</u>	<u>Volume(ac-ft.)</u>	<u>Discharge(cfs)</u>	<u>Infilt(cfs)</u>
5.5000	1.033	0.000	0.000	0.000
5.6639	1.043	0.170	0.000	0.000
5.8278	1.053	0.342	0.000	0.000
5.9917	1.063	0.515	0.000	0.000
6.1556	1.074	0.690	0.000	0.000
6.3194	1.084	0.867	0.000	0.000
6.4833	1.094	1.046	0.000	0.000

6.6472	1.105	1.226	0.000	0.000
6.8111	1.115	1.408	0.000	0.000
6.9750	1.126	1.592	0.000	0.000
7.1389	1.136	1.777	0.000	0.000
7.3028	1.147	1.964	0.000	0.000
7.4667	1.158	2.153	0.000	0.000
7.6306	1.168	2.344	0.000	0.000
7.7944	1.179	2.536	0.000	0.000
7.9583	1.190	2.731	0.000	0.000
8.1222	1.201	2.927	0.000	0.000
8.2861	1.212	3.124	0.000	0.000
8.4500	1.223	3.324	0.000	0.000
8.6139	1.234	3.525	0.000	0.000
8.7778	1.245	3.728	0.000	0.000
8.9417	1.256	3.933	0.000	0.000
9.1056	1.267	4.140	0.000	0.000
9.2694	1.278	4.349	0.000	0.000
9.4333	1.289	4.559	0.000	0.000
9.5972	1.300	4.771	0.000	0.000
9.7611	1.312	4.986	0.000	0.000
9.9250	1.323	5.202	0.000	0.000
10.089	1.334	5.419	0.000	0.000
10.253	1.346	5.639	0.000	0.000
10.417	1.357	5.861	0.000	0.000
10.581	1.369	6.084	0.000	0.000
10.744	1.380	6.310	0.000	0.000
10.908	1.392	6.537	0.000	0.000
11.072	1.404	6.766	0.000	0.000
11.236	1.415	6.997	0.000	0.000
11.400	1.427	7.230	0.000	0.000
11.564	1.439	7.465	0.000	0.000
11.728	1.451	7.702	0.000	0.000
11.892	1.463	7.941	0.000	0.000
12.056	1.474	8.181	0.000	0.000
12.219	1.486	8.424	0.000	0.000
12.383	1.498	8.669	0.000	0.000
12.547	1.510	8.915	0.000	0.000
12.711	1.523	9.164	0.000	0.000
12.875	1.535	9.415	0.000	0.000
13.039	1.547	9.667	0.000	0.000
13.203	1.559	9.922	0.000	0.000
13.367	1.571	10.17	0.000	0.000
13.531	1.584	10.43	0.094	0.000
13.694	1.596	10.69	1.502	0.000
13.858	1.608	10.96	3.589	0.000
14.022	1.621	11.22	5.671	0.000
14.186	1.633	11.49	7.164	0.000
14.350	1.646	11.76	8.066	0.000
14.514	1.658	12.03	8.809	0.000
14.678	1.671	12.30	9.494	0.000
14.842	1.684	12.58	10.13	0.000
15.006	1.696	12.85	10.73	0.000
15.169	1.709	13.13	11.30	0.000
15.333	1.722	13.41	11.84	0.000
15.497	1.735	13.70	12.36	0.000
15.661	1.748	13.98	12.86	0.000
15.825	1.761	14.27	13.34	0.000

15.989	1.774	14.56	13.80	0.000
16.153	1.787	14.85	14.25	0.000
16.317	1.800	15.14	14.68	0.000
16.481	1.813	15.44	15.10	0.000
16.644	1.826	15.74	15.51	0.000
16.808	1.839	16.04	15.91	0.000
16.972	1.852	16.34	16.30	0.000
17.136	1.866	16.65	16.68	0.000
17.300	1.879	16.95	17.05	0.000
17.464	1.892	17.26	17.41	0.000
17.628	1.906	17.57	17.77	0.000
17.792	1.919	17.89	18.12	0.000
17.956	1.933	18.20	18.46	0.000
18.119	1.946	18.52	18.80	0.000
18.283	1.960	18.84	19.13	0.000
18.447	1.974	19.16	19.46	0.000
18.611	1.987	19.49	19.77	0.000
18.775	2.001	19.82	20.09	0.000
18.939	2.015	20.14	20.40	0.000
19.103	2.029	20.48	20.70	0.000
19.267	2.043	20.81	21.01	0.000
19.431	2.056	21.15	21.30	0.000
19.594	2.070	21.48	21.59	0.000
19.758	2.084	21.82	21.88	0.000
19.922	2.098	22.17	22.17	0.000
20.086	2.113	22.51	22.45	0.000
20.250	2.127	22.86	22.73	0.000

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**Name** : 77 Pump  
**Bottom Length:** 500.00 ft.  
**Bottom Length:** 500.00 ft.  
**Depth:** 10 ft.  
**Side slope 1:** 0 To 1  
**Side slope 2:** 0 To 1  
**Side slope 3:** 0 To 1  
**Side slope 4:** 0 To 1

**Threshold Splitter Hydraulic Table**

<u>Stage(feet)</u>	<u>Area(ac.)</u>	<u>Volume(ac-ft.)</u>	<u>Primary(cfs)</u>	<u>Secondary(cfs)</u>
0.000	5.739	0.000	20.00	0.000
0.111	5.739	0.637	20.00	0.000
0.222	5.739	1.275	20.00	0.000
0.333	5.739	1.913	20.00	0.000
0.444	5.739	2.550	20.00	0.000
0.555	5.739	3.188	20.00	0.000
0.666	5.739	3.826	20.00	0.000
0.777	5.739	4.463	20.00	0.000
0.888	5.739	5.101	20.00	0.000
1.000	5.739	5.739	20.00	0.000
1.111	5.739	6.376	20.00	0.000
1.222	5.739	7.014	20.00	0.000
1.333	5.739	7.652	20.00	0.000
1.444	5.739	8.290	20.00	0.000
1.555	5.739	8.927	20.00	0.000
1.666	5.739	9.565	20.00	0.000
1.777	5.739	10.20	20.00	0.000

1.888	5.739	10.84	20.00	0.000
2.000	5.739	11.47	20.00	0.000
2.111	5.739	12.11	20.00	0.000
2.222	5.739	12.75	20.00	0.000
2.333	5.739	13.39	20.00	0.000
2.444	5.739	14.02	20.00	0.000
2.555	5.739	14.66	20.00	0.000
2.666	5.739	15.30	20.00	0.000
2.777	5.739	15.94	20.00	0.000
2.888	5.739	16.58	20.00	1000
3.000	5.739	17.21	20.00	1000
3.111	5.739	17.85	20.00	1000
3.222	5.739	18.49	20.00	1000
3.333	5.739	19.13	20.00	1000
3.444	5.739	19.76	20.00	1000
3.555	5.739	20.40	20.00	1000
3.666	5.739	21.04	20.00	1000
3.777	5.739	21.68	20.00	1000
3.888	5.739	22.31	20.00	1000
4.000	5.739	22.95	20.00	1000
4.111	5.739	23.59	20.00	1000
4.222	5.739	24.23	20.00	1000
4.333	5.739	24.87	20.00	1000
4.444	5.739	25.50	20.00	1000
4.555	5.739	26.14	20.00	1000
4.666	5.739	26.78	20.00	1000
4.777	5.739	27.42	20.00	1000
4.888	5.739	28.05	20.00	1000
5.000	5.739	28.69	20.00	1000
5.111	5.739	29.33	20.00	1000
5.222	5.739	29.97	20.00	1000
5.333	5.739	30.60	20.00	1000
5.444	5.739	31.24	20.00	1000
5.555	5.739	31.88	20.00	1000
5.666	5.739	32.52	20.00	1000
5.777	5.739	33.16	20.00	1000
5.888	5.739	33.79	20.00	1000
6.000	5.739	34.43	20.00	1000
6.111	5.739	35.07	20.00	1000
6.222	5.739	35.71	20.00	1000
6.333	5.739	36.34	20.00	1000
6.444	5.739	36.98	20.00	1000
6.555	5.739	37.62	20.00	1000
6.666	5.739	38.26	20.00	1000
6.777	5.739	38.89	20.00	1000
6.888	5.739	39.53	20.00	1000
7.000	5.739	40.17	20.00	1000
7.111	5.739	40.81	20.00	1000
7.222	5.739	41.45	20.00	1000
7.333	5.739	42.08	20.00	1000
7.444	5.739	42.72	20.00	1000
7.555	5.739	43.36	20.00	1000
7.666	5.739	44.00	20.00	1000
7.777	5.739	44.63	20.00	1000
7.888	5.739	45.27	20.00	1000
8.000	5.739	45.91	20.00	1000
8.111	5.739	46.55	20.00	1000

8.222	5.739	47.18	20.00	1000
8.333	5.739	47.82	20.00	1000
8.444	5.739	48.46	20.00	1000
8.555	5.739	49.10	20.00	1000
8.666	5.739	49.74	20.00	1000
8.777	5.739	50.37	20.00	1000
8.888	5.739	51.01	20.00	1000
9.000	5.739	51.65	20.00	1000
9.111	5.739	52.29	20.00	1000
9.222	5.739	52.92	20.00	1000
9.333	5.739	53.56	20.00	1000
9.444	5.739	54.20	20.00	1000
9.555	5.739	54.84	20.00	1000
9.666	5.739	55.47	20.00	1000
9.777	5.739	56.11	20.00	1000
9.888	5.739	56.75	20.00	1000
10.00	5.739	57.39	20.00	1000
10.11	5.739	58.03	20.00	1000

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**Discharge Structure**

**Riser Height:** 0 ft.

**Riser Diameter:** 0 in.

**Element Flows To:**

<b>Outlet 1</b>	<b>Outlet 2</b>
Wet Pond	Surplus

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**Name :** PS C

**Bottom Length:** 500.00 ft.

**Bottom Length:** 500.00 ft.

**Depth:** 10 ft.

**Side slope 1:** 0 To 1

**Side slope 2:** 0 To 1

**Side slope 3:** 0 To 1

**Side slope 4:** 0 To 1

**Threshold Splitter Hydraulic Table**

<u>Stage(feet)</u>	<u>Area(ac.)</u>	<u>Volume(ac-ft.)</u>	<u>Primary(cfs)</u>	<u>Secondary(cfs)</u>
0.000	5.739	0.000	13.37	0.000
0.111	5.739	0.637	13.37	0.000
0.222	5.739	1.275	13.37	0.000
0.333	5.739	1.913	13.37	0.000
0.444	5.739	2.550	13.37	0.000
0.555	5.739	3.188	13.37	0.000
0.666	5.739	3.826	13.37	0.000
0.777	5.739	4.463	13.37	0.000
0.888	5.739	5.101	13.37	0.000
1.000	5.739	5.739	13.37	0.000
1.111	5.739	6.376	13.37	0.000
1.222	5.739	7.014	13.37	0.000
1.333	5.739	7.652	13.37	0.000
1.444	5.739	8.290	13.37	0.000
1.555	5.739	8.927	13.37	0.000
1.666	5.739	9.565	13.37	0.000



1.777	5.739	10.20	13.37	0.000
1.888	5.739	10.84	13.37	0.000
2.000	5.739	11.47	13.37	0.000
2.111	5.739	12.11	13.37	0.000
2.222	5.739	12.75	13.37	0.000
2.333	5.739	13.39	13.37	0.000
2.444	5.739	14.02	13.37	0.000
2.555	5.739	14.66	13.37	0.000
2.666	5.739	15.30	13.37	0.000
2.777	5.739	15.94	13.37	0.000
2.888	5.739	16.58	13.37	1000
3.000	5.739	17.21	13.37	1000
3.111	5.739	17.85	13.37	1000
3.222	5.739	18.49	13.37	1000
3.333	5.739	19.13	13.37	1000
3.444	5.739	19.76	13.37	1000
3.555	5.739	20.40	13.37	1000
3.666	5.739	21.04	13.37	1000
3.777	5.739	21.68	13.37	1000
3.888	5.739	22.31	13.37	1000
4.000	5.739	22.95	13.37	1000
4.111	5.739	23.59	13.37	1000
4.222	5.739	24.23	13.37	1000
4.333	5.739	24.87	13.37	1000
4.444	5.739	25.50	13.37	1000
4.555	5.739	26.14	13.37	1000
4.666	5.739	26.78	13.37	1000
4.777	5.739	27.42	13.37	1000
4.888	5.739	28.05	13.37	1000
5.000	5.739	28.69	13.37	1000
5.111	5.739	29.33	13.37	1000
5.222	5.739	29.97	13.37	1000
5.333	5.739	30.60	13.37	1000
5.444	5.739	31.24	13.37	1000
5.555	5.739	31.88	13.37	1000
5.666	5.739	32.52	13.37	1000
5.777	5.739	33.16	13.37	1000
5.888	5.739	33.79	13.37	1000
6.000	5.739	34.43	13.37	1000
6.111	5.739	35.07	13.37	1000
6.222	5.739	35.71	13.37	1000
6.333	5.739	36.34	13.37	1000
6.444	5.739	36.98	13.37	1000
6.555	5.739	37.62	13.37	1000
6.666	5.739	38.26	13.37	1000
6.777	5.739	38.89	13.37	1000
6.888	5.739	39.53	13.37	1000
7.000	5.739	40.17	13.37	1000
7.111	5.739	40.81	13.37	1000
7.222	5.739	41.45	13.37	1000
7.333	5.739	42.08	13.37	1000
7.444	5.739	42.72	13.37	1000
7.555	5.739	43.36	13.37	1000
7.666	5.739	44.00	13.37	1000
7.777	5.739	44.63	13.37	1000
7.888	5.739	45.27	13.37	1000
8.000	5.739	45.91	13.37	1000

8.111	5.739	46.55	13.37	1000
8.222	5.739	47.18	13.37	1000
8.333	5.739	47.82	13.37	1000
8.444	5.739	48.46	13.37	1000
8.555	5.739	49.10	13.37	1000
8.666	5.739	49.74	13.37	1000
8.777	5.739	50.37	13.37	1000
8.888	5.739	51.01	13.37	1000
9.000	5.739	51.65	13.37	1000
9.111	5.739	52.29	13.37	1000
9.222	5.739	52.92	13.37	1000
9.333	5.739	53.56	13.37	1000
9.444	5.739	54.20	13.37	1000
9.555	5.739	54.84	13.37	1000
9.666	5.739	55.47	13.37	1000
9.777	5.739	56.11	13.37	1000
9.888	5.739	56.75	13.37	1000
10.00	5.739	57.39	13.37	1000
10.11	5.739	58.03	13.37	1000

**Discharge Structure**

**Riser Height:** 0 ft.

**Riser Diameter:** 0 in.

**Element Flows To:**

**Outlet 1**                      **Outlet 2**  
 Surplus

**Name** : Surplus

**Bottom Length:** 1.00 ft.

**Bottom Length:** 1.00 ft.

**Depth:** 10 ft.

**Side slope 1:** 0 To 1

**Side slope 2:** 0 To 1

**Side slope 3:** 0 To 1

**Side slope 4:** 0 To 1

**Threshold Splitter Hydraulic Table**

<u>Stage(feet)</u>	<u>Area(ac.)</u>	<u>Volume(ac-ft.)</u>	<u>Primary(cfs)</u>	<u>Secondary(cfs)</u>
0.000	0.000023	0.000000	0.000	0.000
0.111	0.000023	0.000003	0.000	0.000
0.222	0.000023	0.000005	0.000	0.000
0.333	0.000023	0.000008	0.000	0.000
0.444	0.000023	0.000010	0.000	0.000
0.555	0.000023	0.000013	0.000	0.000
0.666	0.000023	0.000015	0.000	0.000
0.777	0.000023	0.000018	0.000	0.000
0.888	0.000023	0.000020	0.000	0.000
1.000	0.000023	0.000023	0.000	0.000
1.111	0.000023	0.000026	0.000	0.000
1.222	0.000023	0.000028	0.000	0.000
1.333	0.000023	0.000031	0.000	0.000
1.444	0.000023	0.000033	0.000	0.000
1.555	0.000023	0.000036	0.000	0.000

1.666	0.000023	0.000038	0.000	0.000
1.777	0.000023	0.000041	0.000	0.000
1.888	0.000023	0.000043	0.000	0.000
2.000	0.000023	0.000046	0.000	0.000
2.111	0.000023	0.000048	0.000	0.000
2.222	0.000023	0.000051	0.000	0.000
2.333	0.000023	0.000054	0.000	0.000
2.444	0.000023	0.000056	0.000	0.000
2.555	0.000023	0.000059	0.000	0.000
2.666	0.000023	0.000061	0.000	0.000
2.777	0.000023	0.000064	0.000	0.000
2.888	0.000023	0.000066	0.000	1000
3.000	0.000023	0.000069	0.000	1000
3.111	0.000023	0.000071	0.000	1000
3.222	0.000023	0.000074	0.000	1000
3.333	0.000023	0.000077	0.000	1000
3.444	0.000023	0.000079	0.000	1000
3.555	0.000023	0.000082	0.000	1000
3.666	0.000023	0.000084	0.000	1000
3.777	0.000023	0.000087	0.000	1000
3.888	0.000023	0.000089	0.000	1000
4.000	0.000023	0.000092	0.000	1000
4.111	0.000023	0.000094	0.000	1000
4.222	0.000023	0.000097	0.000	1000
4.333	0.000023	0.000099	0.000	1000
4.444	0.000023	0.000102	0.000	1000
4.555	0.000023	0.000105	0.000	1000
4.666	0.000023	0.000107	0.000	1000
4.777	0.000023	0.000110	0.000	1000
4.888	0.000023	0.000112	0.000	1000
5.000	0.000023	0.000115	0.000	1000
5.111	0.000023	0.000117	0.000	1000
5.222	0.000023	0.000120	0.000	1000
5.333	0.000023	0.000122	0.000	1000
5.444	0.000023	0.000125	0.000	1000
5.555	0.000023	0.000128	0.000	1000
5.666	0.000023	0.000130	0.000	1000
5.777	0.000023	0.000133	0.000	1000
5.888	0.000023	0.000135	0.000	1000
6.000	0.000023	0.000138	0.000	1000
6.111	0.000023	0.000140	0.000	1000
6.222	0.000023	0.000143	0.000	1000
6.333	0.000023	0.000145	0.000	1000
6.444	0.000023	0.000148	0.000	1000
6.555	0.000023	0.000150	0.000	1000
6.666	0.000023	0.000153	0.000	1000
6.777	0.000023	0.000156	0.000	1000
6.888	0.000023	0.000158	0.000	1000
7.000	0.000023	0.000161	0.000	1000
7.111	0.000023	0.000163	0.000	1000
7.222	0.000023	0.000166	0.000	1000
7.333	0.000023	0.000168	0.000	1000
7.444	0.000023	0.000171	0.000	1000
7.555	0.000023	0.000173	0.000	1000
7.666	0.000023	0.000176	0.000	1000
7.777	0.000023	0.000179	0.000	1000
7.888	0.000023	0.000181	0.000	1000

8.000	0.000023	0.000184	0.000	1000
8.111	0.000023	0.000186	0.000	1000
8.222	0.000023	0.000189	0.000	1000
8.333	0.000023	0.000191	0.000	1000
8.444	0.000023	0.000194	0.000	1000
8.555	0.000023	0.000196	0.000	1000
8.666	0.000023	0.000199	0.000	1000
8.777	0.000023	0.000202	0.000	1000
8.888	0.000023	0.000204	0.000	1000
9.000	0.000023	0.000207	0.000	1000
9.111	0.000023	0.000209	0.000	1000
9.222	0.000023	0.000212	0.000	1000
9.333	0.000023	0.000214	0.000	1000
9.444	0.000023	0.000217	0.000	1000
9.555	0.000023	0.000219	0.000	1000
9.666	0.000023	0.000222	0.000	1000
9.777	0.000023	0.000224	0.000	1000
9.888	0.000023	0.000227	0.000	1000
10.00	0.000023	0.000230	0.000	1000
10.11	0.000023	0.000232	0.000	1000

---

**Discharge Structure**

**Riser Height:** 0 ft.

**Riser Diameter:** 0 in.

**Element Flows To:**

**Outlet 1                      Outlet 2**

---

**MITIGATED LAND USE**

**Name :** SB 5

**Bypass:** No

**GroundWater:** No

<b><u>Pervious Land Use</u></b>	<b><u>acre</u></b>
C, Lawn, Flat	16.7

<b>Pervious Total</b>	<b>16.7</b>
-----------------------	-------------

<b><u>Impervious Land Use</u></b>	<b><u>acre</u></b>
ROADS FLAT	0.5

<b>Impervious Total</b>	<b>0.5</b>
-------------------------	------------

<b>Basin Total</b>	<b>17.2</b>
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---

**Element Flows To:**

**Surface                      Interflow                      Groundwater**

---

Name : SB 3

Bypass: No

GroundWater: No

<u>Pervious Land Use</u>	<u>acre</u>
C, Lawn, Flat	19.7
Pervious Total	19.7
<u>Impervious Land Use</u>	<u>acre</u>
ROADS FLAT	37.8
Impervious Total	37.8
Basin Total	57.5

---

Element Flows To:	Interflow	Groundwater
Surface		

---

Name : SB 2.3

Bypass: No

GroundWater: No

<u>Pervious Land Use</u>	<u>acre</u>
C, Lawn, Flat	9.2
Pervious Total	9.2
<u>Impervious Land Use</u>	<u>acre</u>
ROADS FLAT	0.2
Impervious Total	0.2
Basin Total	9.4

---

Element Flows To:	Interflow	Groundwater
Surface		
77 Pump	77 Pump	

---

Name : SB H

Bypass: No

GroundWater: No

<u>Pervious Land Use</u>	<u>acre</u>
C, Pasture, Flat	12.7
<b>Pervious Total</b>	<b>12.7</b>
<u>Impervious Land Use</u>	<u>acre</u>
Impervious Total	0
<b>Basin Total</b>	<b>12.7</b>

---

<b>Element Flows To:</b>		
Surface	Interflow	Groundwater

---

Name : SB 2.4

Bypass: No

GroundWater: No

<u>Pervious Land Use</u>	<u>acre</u>
C, Pasture, Flat	31.4
<b>Pervious Total</b>	<b>31.4</b>
<u>Impervious Land Use</u>	<u>acre</u>
ROADS FLAT	1.7
<b>Impervious Total</b>	<b>1.7</b>
<b>Basin Total</b>	<b>33.1</b>

---

<b>Element Flows To:</b>		
Surface	Interflow	Groundwater
77 Pump	77 Pump	

---

Name : SB D

Bypass: No

GroundWater: No

<u>Pervious Land Use</u>	<u>acre</u>
C, Pasture, Flat	7.1

Pervious Total	7.1
<u>Impervious Land Use</u>	<u>acre</u>
ROADS FLAT	7
Impervious Total	7
Basin Total	14.1

---

Element Flows To:		
Surface	Interflow	Groundwater

---

Name : SB E  
 Bypass: No

GroundWater: No

<u>Pervious Land Use</u>	<u>acre</u>
C, Pasture, Flat	9.6
Pervious Total	9.6
<u>Impervious Land Use</u>	<u>acre</u>
ROADS FLAT	1.1
Impervious Total	1.1
Basin Total	10.7

---

Element Flows To:		
Surface	Interflow	Groundwater

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Name : SB 2.1  
 Bypass: No

GroundWater: No

<u>Pervious Land Use</u>	<u>acre</u>
C, Lawn, Flat	26.5
Pervious Total	26.5
<u>Impervious Land Use</u>	<u>acre</u>
ROADS FLAT	62.2

Impervious Total                      62.2  
Basin Total                              88.7

---

Element Flows To:  
Surface                                  Interflow                                  Groundwater  
77 Pump                                  77 Pump

---

Name        : SB 2.5 (SU 7)  
Bypass: No

GroundWater: No

<u>Pervious Land Use</u>	<u>acre</u>
Pervious Total	0
<u>Impervious Land Use</u>	<u>acre</u>
ROADS FLAT	5
Impervious Total	5
Basin Total	5

---

Element Flows To:  
Surface                                  Interflow                                  Groundwater  
77 Pump                                  77 Pump

---

Name        : SB B  
Bypass: No

GroundWater: No

<u>Pervious Land Use</u>	<u>acre</u>
C, Pasture, Flat	21
Pervious Total	21
<u>Impervious Land Use</u>	<u>acre</u>
ROADS FLAT	0.4
Impervious Total	0.4
Basin Total	21.4

---



Element Flows To:  
Surface                      Interflow                      Groundwater

---

Name : SB C

Bypass: No

GroundWater: No

<u>Pervious Land Use</u>	<u>acre</u>
C, Pasture, Flat	16.1
Pervious Total	16.1
<u>Impervious Land Use</u>	<u>acre</u>
ROADS FLAT	1.2
Impervious Total	1.2
Basin Total	17.3

---

Element Flows To:  
Surface                      Interflow                      Groundwater

---

Name : SB 2.2

Bypass: No

GroundWater: No

<u>Pervious Land Use</u>	<u>acre</u>
C, Pasture, Flat	12.5
Pervious Total	12.5
<u>Impervious Land Use</u>	<u>acre</u>
ROADS FLAT	0.9
Impervious Total	0.9
Basin Total	13.4

---

Element Flows To:  
Surface                      Interflow                      Groundwater  
77 Pump                      77 Pump

---

Name : SB 2.6 (SU 1-2)

Bypass: No

GroundWater: No

<u>Pervious Land Use</u>	<u>acre</u>
Pervious Total	0
<u>Impervious Land Use</u>	<u>acre</u>
ROADS FLAT	12.6
Impervious Total	12.6
Basin Total	12.6

---

Element Flows To:

Surface	Interflow	Groundwater
77 Pump	77 Pump	

---

Name : SB J

Bypass: No

GroundWater: No

<u>Pervious Land Use</u>	<u>acre</u>
C, Pasture, Flat	12.3
Pervious Total	12.3
<u>Impervious Land Use</u>	<u>acre</u>
Impervious Total	0
Basin Total	12.3

---

Element Flows To:

Surface	Interflow	Groundwater
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Name : SB 2.5 (SU 6)

Bypass: No

GroundWater: No

<u>Pervious Land Use</u>	<u>acre</u>
Pervious Total	0
<u>Impervious Land Use</u>	<u>acre</u>
ROADS FLAT	9.5
Impervious Total	9.5
Basin Total	9.5

---

<b>Element Flows To:</b>		
Surface	Interflow	Groundwater
77 Pump	77 Pump	

---

Name : SB A  
 Bypass: No

GroundWater: No

<u>Pervious Land Use</u>	<u>acre</u>
C, Pasture, Flat	26.4
Pervious Total	26.4
<u>Impervious Land Use</u>	<u>acre</u>
ROADS FLAT	1.5
Impervious Total	1.5
Basin Total	27.9

---

<b>Element Flows To:</b>		
Surface	Interflow	Groundwater
U-Ditch	U-Ditch	

---

Name : SB G  
 Bypass: No

GroundWater: No

<u>Pervious Land Use</u>	<u>acre</u>
C, Lawn, Flat	5.4
Pervious Total	5.4
<u>Impervious Land Use</u>	<u>acre</u>

ROADS FLAT	0.2
Impervious Total	0.2
Basin Total	5.6

---

Element Flows To:		
Surface	Interflow	Groundwater

---

Name : SB K  
 Bypass: No

GroundWater: No

<u>Pervious Land Use</u>	<u>acre</u>
C, Pasture, Flat	11.7
Pervious Total	11.7
<u>Impervious Land Use</u>	<u>acre</u>
ROADS FLAT	0.5
Impervious Total	0.5
Basin Total	12.2

---

Element Flows To:		
Surface	Interflow	Groundwater

---

Name : SB F  
 Bypass: No

GroundWater: No

<u>Pervious Land Use</u>	<u>acre</u>
C, Lawn, Flat	12.1
Pervious Total	12.1
<u>Impervious Land Use</u>	<u>acre</u>
ROADS FLAT	0.8
Impervious Total	0.8
Basin Total	12.9

---

**Element Flows To:**

**Surface**                      **Interflow**                      **Groundwater**

---

**Name** : U-Ditch

**Bottom Length:** 960.00 ft.

**Bottom Width:** 5.00 ft.

**Depth:** 3.5 ft.

**Volume at riser head:** 0.4026 acre-feet.

**Side slope 1:** 0.01 To 1

**Side slope 2:** 10 To 1

**Side slope 3:** 0.01 To 1

**Side slope 4:** 10 To 1

**Discharge Structure**

**Riser Height:** 3.5 ft.

**Riser Diameter:** 24 in.

**Orifice 1 Diameter:** 40 in.    **Elevation:** 0 ft.

**Element Flows To:**

**Outlet 1**                      **Outlet 2**

77 Pump

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**Pond Hydraulic Table**

<u>Stage(feet)</u>	<u>Area(ac.)</u>	<u>Volume(ac-ft.)</u>	<u>Discharge(cfs)</u>	<u>Infilt(cfs)</u>
3.6500	0.110	0.000	0.000	0.000
3.6889	0.110	0.004	8.562	0.000
3.7278	0.110	0.008	12.10	0.000
3.7667	0.110	0.012	14.83	0.000
3.8056	0.110	0.017	17.12	0.000
3.8444	0.110	0.021	19.14	0.000
3.8833	0.110	0.025	20.97	0.000
3.9222	0.110	0.030	22.65	0.000
3.9611	0.111	0.034	24.21	0.000
4.0000	0.111	0.038	25.68	0.000
4.0389	0.111	0.043	27.07	0.000
4.0778	0.111	0.047	28.39	0.000
4.1167	0.111	0.051	29.66	0.000
4.1556	0.111	0.056	30.87	0.000
4.1944	0.111	0.060	32.03	0.000
4.2333	0.111	0.064	33.16	0.000
4.2722	0.111	0.069	34.24	0.000
4.3111	0.112	0.073	35.30	0.000
4.3500	0.112	0.077	36.32	0.000
4.3889	0.112	0.082	37.32	0.000
4.4278	0.112	0.086	38.29	0.000
4.4667	0.112	0.090	39.23	0.000
4.5056	0.112	0.095	40.16	0.000
4.5444	0.112	0.099	41.06	0.000

4.5833	0.112	0.104	41.94	0.000
4.6222	0.112	0.108	42.81	0.000
4.6611	0.113	0.112	43.65	0.000
4.7000	0.113	0.117	44.49	0.000
4.7389	0.113	0.121	45.30	0.000
4.7778	0.113	0.126	46.11	0.000
4.8167	0.113	0.130	46.89	0.000
4.8556	0.113	0.134	47.67	0.000
4.8944	0.113	0.139	48.43	0.000
4.9333	0.113	0.143	49.18	0.000
4.9722	0.113	0.148	49.92	0.000
5.0111	0.113	0.152	50.65	0.000
5.0500	0.114	0.157	51.37	0.000
5.0889	0.114	0.161	52.08	0.000
5.1278	0.114	0.165	52.78	0.000
5.1667	0.114	0.170	53.47	0.000
5.2056	0.114	0.174	54.15	0.000
5.2444	0.114	0.179	54.82	0.000
5.2833	0.114	0.183	55.49	0.000
5.3222	0.114	0.188	56.14	0.000
5.3611	0.114	0.192	56.79	0.000
5.4000	0.115	0.197	57.43	0.000
5.4389	0.115	0.201	58.07	0.000
5.4778	0.115	0.206	58.70	0.000
5.5167	0.115	0.210	59.32	0.000
5.5556	0.115	0.215	59.93	0.000
5.5944	0.115	0.219	60.54	0.000
5.6333	0.115	0.224	61.14	0.000
5.6722	0.115	0.228	61.74	0.000
5.7111	0.115	0.233	62.33	0.000
5.7500	0.116	0.237	62.92	0.000
5.7889	0.116	0.242	63.50	0.000
5.8278	0.116	0.246	64.07	0.000
5.8667	0.116	0.251	64.64	0.000
5.9056	0.116	0.255	65.20	0.000
5.9444	0.116	0.260	65.76	0.000
5.9833	0.116	0.264	66.32	0.000
6.0222	0.116	0.269	66.87	0.000
6.0611	0.116	0.273	67.42	0.000
6.1000	0.117	0.278	67.96	0.000
6.1389	0.117	0.282	68.49	0.000
6.1778	0.117	0.287	69.03	0.000
6.2167	0.117	0.291	69.56	0.000
6.2556	0.117	0.296	70.08	0.000
6.2944	0.117	0.301	70.60	0.000
6.3333	0.117	0.305	71.12	0.000
6.3722	0.117	0.310	71.63	0.000
6.4111	0.117	0.314	72.14	0.000
6.4500	0.117	0.319	72.65	0.000
6.4889	0.118	0.323	73.15	0.000
6.5278	0.118	0.328	73.65	0.000
6.5667	0.118	0.333	74.15	0.000
6.6056	0.118	0.337	74.64	0.000
6.6444	0.118	0.342	75.13	0.000
6.6833	0.118	0.346	75.62	0.000
6.7222	0.118	0.351	76.10	0.000
6.7611	0.118	0.356	76.58	0.000

6.8000	0.118	0.360	77.06	0.000
6.8389	0.119	0.365	77.53	0.000
6.8778	0.119	0.370	78.00	0.000
6.9167	0.119	0.374	78.47	0.000
6.9556	0.119	0.379	78.94	0.000
6.9944	0.119	0.384	79.40	0.000
7.0333	0.119	0.388	79.86	0.000
7.0722	0.119	0.393	80.32	0.000
7.1111	0.119	0.397	80.77	0.000
7.1500	0.119	0.402	81.22	0.000
7.1889	0.120	0.407	81.84	0.000

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**Name** : Wet Pond  
**Bottom Length:** 300.00 ft.  
**Bottom Width:** 150.00 ft.  
**Depth:** 14.75 ft.  
**Volume at riser head:** 10.4374 acre-feet.  
**Side slope 1:** 3 To 1  
**Side slope 2:** 3 To 1  
**Side slope 3:** 3 To 1  
**Side slope 4:** 3 To 1  
**Discharge Structure**  
**Riser Height:** 8 ft.  
**Riser Diameter:** 20 in.

**Element Flows To:**  
**Outlet 1**                      **Outlet 2**  
 PS C

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**Pond Hydraulic Table**

<u>Stage(feet)</u>	<u>Area(ac.)</u>	<u>Volume(ac-ft.)</u>	<u>Discharge(cfs)</u>	<u>Infilt(cfs)</u>
5.5000	1.033	0.000	0.000	0.000
5.6639	1.043	0.170	0.000	0.000
5.8278	1.053	0.342	0.000	0.000
5.9917	1.063	0.515	0.000	0.000
6.1556	1.074	0.690	0.000	0.000
6.3194	1.084	0.867	0.000	0.000
6.4833	1.094	1.046	0.000	0.000
6.6472	1.105	1.226	0.000	0.000
6.8111	1.115	1.408	0.000	0.000
6.9750	1.126	1.592	0.000	0.000
7.1389	1.136	1.777	0.000	0.000
7.3028	1.147	1.964	0.000	0.000
7.4667	1.158	2.153	0.000	0.000
7.6306	1.168	2.344	0.000	0.000
7.7944	1.179	2.536	0.000	0.000
7.9583	1.190	2.731	0.000	0.000
8.1222	1.201	2.927	0.000	0.000
8.2861	1.212	3.124	0.000	0.000
8.4500	1.223	3.324	0.000	0.000
8.6139	1.234	3.525	0.000	0.000
8.7778	1.245	3.728	0.000	0.000
8.9417	1.256	3.933	0.000	0.000

9.1056	1.267	4.140	0.000	0.000
9.2694	1.278	4.349	0.000	0.000
9.4333	1.289	4.559	0.000	0.000
9.5972	1.300	4.771	0.000	0.000
9.7611	1.312	4.986	0.000	0.000
9.9250	1.323	5.202	0.000	0.000
10.089	1.334	5.419	0.000	0.000
10.253	1.346	5.639	0.000	0.000
10.417	1.357	5.861	0.000	0.000
10.581	1.369	6.084	0.000	0.000
10.744	1.380	6.310	0.000	0.000
10.908	1.392	6.537	0.000	0.000
11.072	1.404	6.766	0.000	0.000
11.236	1.415	6.997	0.000	0.000
11.400	1.427	7.230	0.000	0.000
11.564	1.439	7.465	0.000	0.000
11.728	1.451	7.702	0.000	0.000
11.892	1.463	7.941	0.000	0.000
12.056	1.474	8.181	0.000	0.000
12.219	1.486	8.424	0.000	0.000
12.383	1.498	8.669	0.000	0.000
12.547	1.510	8.915	0.000	0.000
12.711	1.523	9.164	0.000	0.000
12.875	1.535	9.415	0.000	0.000
13.039	1.547	9.667	0.000	0.000
13.203	1.559	9.922	0.000	0.000
13.367	1.571	10.17	0.000	0.000
13.531	1.584	10.43	0.094	0.000
13.694	1.596	10.69	1.502	0.000
13.858	1.608	10.96	3.589	0.000
14.022	1.621	11.22	5.671	0.000
14.186	1.633	11.49	7.164	0.000
14.350	1.646	11.76	8.066	0.000
14.514	1.658	12.03	8.809	0.000
14.678	1.671	12.30	9.494	0.000
14.842	1.684	12.58	10.13	0.000
15.006	1.696	12.85	10.73	0.000
15.169	1.709	13.13	11.30	0.000
15.333	1.722	13.41	11.84	0.000
15.497	1.735	13.70	12.36	0.000
15.661	1.748	13.98	12.86	0.000
15.825	1.761	14.27	13.34	0.000
15.989	1.774	14.56	13.80	0.000
16.153	1.787	14.85	14.25	0.000
16.317	1.800	15.14	14.68	0.000
16.481	1.813	15.44	15.10	0.000
16.644	1.826	15.74	15.51	0.000
16.808	1.839	16.04	15.91	0.000
16.972	1.852	16.34	16.30	0.000
17.136	1.866	16.65	16.68	0.000
17.300	1.879	16.95	17.05	0.000
17.464	1.892	17.26	17.41	0.000
17.628	1.906	17.57	17.77	0.000
17.792	1.919	17.89	18.12	0.000
17.956	1.933	18.20	18.46	0.000
18.119	1.946	18.52	18.80	0.000
18.283	1.960	18.84	19.13	0.000



18.447	1.974	19.16	19.46	0.000
18.611	1.987	19.49	19.77	0.000
18.775	2.001	19.82	20.09	0.000
18.939	2.015	20.14	20.40	0.000
19.103	2.029	20.48	20.70	0.000
19.267	2.043	20.81	21.01	0.000
19.431	2.056	21.15	21.30	0.000
19.594	2.070	21.48	21.59	0.000
19.758	2.084	21.82	21.88	0.000
19.922	2.098	22.17	22.17	0.000
20.086	2.113	22.51	22.45	0.000
20.250	2.127	22.86	22.73	0.000

**Name** : 77 Pump  
**Bottom Length:** 500.00 ft.  
**Bottom Length:** 500.00 ft.  
**Depth:** 10 ft.  
**Side slope 1:** 0 To 1  
**Side slope 2:** 0 To 1  
**Side slope 3:** 0 To 1  
**Side slope 4:** 0 To 1

**Threshold Splitter Hydraulic Table**

<u>Stage(feet)</u>	<u>Area(ac.)</u>	<u>Volume(ac-ft.)</u>	<u>Primary(cfs)</u>	<u>Secondary(cfs)</u>
0.000	5.739	0.000	20.00	0.000
0.111	5.739	0.637	20.00	0.000
0.222	5.739	1.275	20.00	0.000
0.333	5.739	1.913	20.00	0.000
0.444	5.739	2.550	20.00	0.000
0.555	5.739	3.188	20.00	0.000
0.666	5.739	3.826	20.00	0.000
0.777	5.739	4.463	20.00	0.000
0.888	5.739	5.101	20.00	0.000
1.000	5.739	5.739	20.00	0.000
1.111	5.739	6.376	20.00	0.000
1.222	5.739	7.014	20.00	0.000
1.333	5.739	7.652	20.00	0.000
1.444	5.739	8.290	20.00	0.000
1.555	5.739	8.927	20.00	0.000
1.666	5.739	9.565	20.00	0.000
1.777	5.739	10.20	20.00	0.000
1.888	5.739	10.84	20.00	0.000
2.000	5.739	11.47	20.00	0.000
2.111	5.739	12.11	20.00	0.000
2.222	5.739	12.75	20.00	0.000
2.333	5.739	13.39	20.00	0.000
2.444	5.739	14.02	20.00	0.000
2.555	5.739	14.66	20.00	0.000
2.666	5.739	15.30	20.00	0.000
2.777	5.739	15.94	20.00	0.000
2.888	5.739	16.58	20.00	1000
3.000	5.739	17.21	20.00	1000
3.111	5.739	17.85	20.00	1000
3.222	5.739	18.49	20.00	1000
3.333	5.739	19.13	20.00	1000
3.444	5.739	19.76	20.00	1000

3.555	5.739	20.40	20.00	1000
3.666	5.739	21.04	20.00	1000
3.777	5.739	21.68	20.00	1000
3.888	5.739	22.31	20.00	1000
4.000	5.739	22.95	20.00	1000
4.111	5.739	23.59	20.00	1000
4.222	5.739	24.23	20.00	1000
4.333	5.739	24.87	20.00	1000
4.444	5.739	25.50	20.00	1000
4.555	5.739	26.14	20.00	1000
4.666	5.739	26.78	20.00	1000
4.777	5.739	27.42	20.00	1000
4.888	5.739	28.05	20.00	1000
5.000	5.739	28.69	20.00	1000
5.111	5.739	29.33	20.00	1000
5.222	5.739	29.97	20.00	1000
5.333	5.739	30.60	20.00	1000
5.444	5.739	31.24	20.00	1000
5.555	5.739	31.88	20.00	1000
5.666	5.739	32.52	20.00	1000
5.777	5.739	33.16	20.00	1000
5.888	5.739	33.79	20.00	1000
6.000	5.739	34.43	20.00	1000
6.111	5.739	35.07	20.00	1000
6.222	5.739	35.71	20.00	1000
6.333	5.739	36.34	20.00	1000
6.444	5.739	36.98	20.00	1000
6.555	5.739	37.62	20.00	1000
6.666	5.739	38.26	20.00	1000
6.777	5.739	38.89	20.00	1000
6.888	5.739	39.53	20.00	1000
7.000	5.739	40.17	20.00	1000
7.111	5.739	40.81	20.00	1000
7.222	5.739	41.45	20.00	1000
7.333	5.739	42.08	20.00	1000
7.444	5.739	42.72	20.00	1000
7.555	5.739	43.36	20.00	1000
7.666	5.739	44.00	20.00	1000
7.777	5.739	44.63	20.00	1000
7.888	5.739	45.27	20.00	1000
8.000	5.739	45.91	20.00	1000
8.111	5.739	46.55	20.00	1000
8.222	5.739	47.18	20.00	1000
8.333	5.739	47.82	20.00	1000
8.444	5.739	48.46	20.00	1000
8.555	5.739	49.10	20.00	1000
8.666	5.739	49.74	20.00	1000
8.777	5.739	50.37	20.00	1000
8.888	5.739	51.01	20.00	1000
9.000	5.739	51.65	20.00	1000
9.111	5.739	52.29	20.00	1000
9.222	5.739	52.92	20.00	1000
9.333	5.739	53.56	20.00	1000
9.444	5.739	54.20	20.00	1000
9.555	5.739	54.84	20.00	1000
9.666	5.739	55.47	20.00	1000
9.777	5.739	56.11	20.00	1000

9.888	5.739	56.75	20.00	1000
10.00	5.739	57.39	20.00	1000
10.11	5.739	58.03	20.00	1000

**Discharge Structure**

**Riser Height:** 0 ft.

**Riser Diameter:** 0 in.

**Element Flows To:**

<b>Outlet 1</b>	<b>Outlet 2</b>
Wet Pond	Surplus

**Name :** PS C

**Bottom Length:** 500.00 ft.

**Bottom Length:** 500.00 ft.

**Depth:** 10 ft.

**Side slope 1:** 0 To 1

**Side slope 2:** 0 To 1

**Side slope 3:** 0 To 1

**Side slope 4:** 0 To 1

**Threshold Splitter Hydraulic Table**

<b>Stage(feet)</b>	<b>Area(ac.)</b>	<b>Volume(ac-ft.)</b>	<b>Primary(cfs)</b>	<b>Secondary(cfs)</b>
0.000	5.739	0.000	13.37	0.000
0.111	5.739	0.637	13.37	0.000
0.222	5.739	1.275	13.37	0.000
0.333	5.739	1.913	13.37	0.000
0.444	5.739	2.550	13.37	0.000
0.555	5.739	3.188	13.37	0.000
0.666	5.739	3.826	13.37	0.000
0.777	5.739	4.463	13.37	0.000
0.888	5.739	5.101	13.37	0.000
1.000	5.739	5.739	13.37	0.000
1.111	5.739	6.376	13.37	0.000
1.222	5.739	7.014	13.37	0.000
1.333	5.739	7.652	13.37	0.000
1.444	5.739	8.290	13.37	0.000
1.555	5.739	8.927	13.37	0.000
1.666	5.739	9.565	13.37	0.000
1.777	5.739	10.20	13.37	0.000
1.888	5.739	10.84	13.37	0.000
2.000	5.739	11.47	13.37	0.000
2.111	5.739	12.11	13.37	0.000
2.222	5.739	12.75	13.37	0.000
2.333	5.739	13.39	13.37	0.000
2.444	5.739	14.02	13.37	0.000
2.555	5.739	14.66	13.37	0.000
2.666	5.739	15.30	13.37	0.000
2.777	5.739	15.94	13.37	0.000
2.888	5.739	16.58	13.37	1000
3.000	5.739	17.21	13.37	1000
3.111	5.739	17.85	13.37	1000
3.222	5.739	18.49	13.37	1000
3.333	5.739	19.13	13.37	1000

3.444	5.739	19.76	13.37	1000
3.555	5.739	20.40	13.37	1000
3.666	5.739	21.04	13.37	1000
3.777	5.739	21.68	13.37	1000
3.888	5.739	22.31	13.37	1000
4.000	5.739	22.95	13.37	1000
4.111	5.739	23.59	13.37	1000
4.222	5.739	24.23	13.37	1000
4.333	5.739	24.87	13.37	1000
4.444	5.739	25.50	13.37	1000
4.555	5.739	26.14	13.37	1000
4.666	5.739	26.78	13.37	1000
4.777	5.739	27.42	13.37	1000
4.888	5.739	28.05	13.37	1000
5.000	5.739	28.69	13.37	1000
5.111	5.739	29.33	13.37	1000
5.222	5.739	29.97	13.37	1000
5.333	5.739	30.60	13.37	1000
5.444	5.739	31.24	13.37	1000
5.555	5.739	31.88	13.37	1000
5.666	5.739	32.52	13.37	1000
5.777	5.739	33.16	13.37	1000
5.888	5.739	33.79	13.37	1000
6.000	5.739	34.43	13.37	1000
6.111	5.739	35.07	13.37	1000
6.222	5.739	35.71	13.37	1000
6.333	5.739	36.34	13.37	1000
6.444	5.739	36.98	13.37	1000
6.555	5.739	37.62	13.37	1000
6.666	5.739	38.26	13.37	1000
6.777	5.739	38.89	13.37	1000
6.888	5.739	39.53	13.37	1000
7.000	5.739	40.17	13.37	1000
7.111	5.739	40.81	13.37	1000
7.222	5.739	41.45	13.37	1000
7.333	5.739	42.08	13.37	1000
7.444	5.739	42.72	13.37	1000
7.555	5.739	43.36	13.37	1000
7.666	5.739	44.00	13.37	1000
7.777	5.739	44.63	13.37	1000
7.888	5.739	45.27	13.37	1000
8.000	5.739	45.91	13.37	1000
8.111	5.739	46.55	13.37	1000
8.222	5.739	47.18	13.37	1000
8.333	5.739	47.82	13.37	1000
8.444	5.739	48.46	13.37	1000
8.555	5.739	49.10	13.37	1000
8.666	5.739	49.74	13.37	1000
8.777	5.739	50.37	13.37	1000
8.888	5.739	51.01	13.37	1000
9.000	5.739	51.65	13.37	1000
9.111	5.739	52.29	13.37	1000
9.222	5.739	52.92	13.37	1000
9.333	5.739	53.56	13.37	1000
9.444	5.739	54.20	13.37	1000
9.555	5.739	54.84	13.37	1000
9.666	5.739	55.47	13.37	1000

9.777	5.739	56.11	13.37	1000
9.888	5.739	56.75	13.37	1000
10.00	5.739	57.39	13.37	1000
10.11	5.739	58.03	13.37	1000

**Discharge Structure**

**Riser Height:** 0 ft.

**Riser Diameter:** 0 in.

**Element Flows To:**

**Outlet 1**                      **Outlet 2**

Surplus

**Name** : Surplus

**Bottom Length:** 1.00 ft.

**Bottom Length:** 1.00 ft.

**Depth:** 10 ft.

**Side slope 1:** 0 To 1

**Side slope 2:** 0 To 1

**Side slope 3:** 0 To 1

**Side slope 4:** 0 To 1

**Threshold Splitter Hydraulic Table**

<b>Stage(feet)</b>	<b>Area(ac.)</b>	<b>Volume(ac-ft.)</b>	<b>Primary(cfs)</b>	<b>Secondary(cfs)</b>
0.000	0.000023	0.000000	0.000	0.000
0.111	0.000023	0.000003	0.000	0.000
0.222	0.000023	0.000005	0.000	0.000
0.333	0.000023	0.000008	0.000	0.000
0.444	0.000023	0.000010	0.000	0.000
0.555	0.000023	0.000013	0.000	0.000
0.666	0.000023	0.000015	0.000	0.000
0.777	0.000023	0.000018	0.000	0.000
0.888	0.000023	0.000020	0.000	0.000
1.000	0.000023	0.000023	0.000	0.000
1.111	0.000023	0.000026	0.000	0.000
1.222	0.000023	0.000028	0.000	0.000
1.333	0.000023	0.000031	0.000	0.000
1.444	0.000023	0.000033	0.000	0.000
1.555	0.000023	0.000036	0.000	0.000
1.666	0.000023	0.000038	0.000	0.000
1.777	0.000023	0.000041	0.000	0.000
1.888	0.000023	0.000043	0.000	0.000
2.000	0.000023	0.000046	0.000	0.000
2.111	0.000023	0.000048	0.000	0.000
2.222	0.000023	0.000051	0.000	0.000
2.333	0.000023	0.000054	0.000	0.000
2.444	0.000023	0.000056	0.000	0.000
2.555	0.000023	0.000059	0.000	0.000
2.666	0.000023	0.000061	0.000	0.000
2.777	0.000023	0.000064	0.000	0.000
2.888	0.000023	0.000066	0.000	1000
3.000	0.000023	0.000069	0.000	1000
3.111	0.000023	0.000071	0.000	1000
3.222	0.000023	0.000074	0.000	1000

3.333	0.000023	0.000077	0.000	1000
3.444	0.000023	0.000079	0.000	1000
3.555	0.000023	0.000082	0.000	1000
3.666	0.000023	0.000084	0.000	1000
3.777	0.000023	0.000087	0.000	1000
3.888	0.000023	0.000089	0.000	1000
4.000	0.000023	0.000092	0.000	1000
4.111	0.000023	0.000094	0.000	1000
4.222	0.000023	0.000097	0.000	1000
4.333	0.000023	0.000099	0.000	1000
4.444	0.000023	0.000102	0.000	1000
4.555	0.000023	0.000105	0.000	1000
4.666	0.000023	0.000107	0.000	1000
4.777	0.000023	0.000110	0.000	1000
4.888	0.000023	0.000112	0.000	1000
5.000	0.000023	0.000115	0.000	1000
5.111	0.000023	0.000117	0.000	1000
5.222	0.000023	0.000120	0.000	1000
5.333	0.000023	0.000122	0.000	1000
5.444	0.000023	0.000125	0.000	1000
5.555	0.000023	0.000128	0.000	1000
5.666	0.000023	0.000130	0.000	1000
5.777	0.000023	0.000133	0.000	1000
5.888	0.000023	0.000135	0.000	1000
6.000	0.000023	0.000138	0.000	1000
6.111	0.000023	0.000140	0.000	1000
6.222	0.000023	0.000143	0.000	1000
6.333	0.000023	0.000145	0.000	1000
6.444	0.000023	0.000148	0.000	1000
6.555	0.000023	0.000150	0.000	1000
6.666	0.000023	0.000153	0.000	1000
6.777	0.000023	0.000156	0.000	1000
6.888	0.000023	0.000158	0.000	1000
7.000	0.000023	0.000161	0.000	1000
7.111	0.000023	0.000163	0.000	1000
7.222	0.000023	0.000166	0.000	1000
7.333	0.000023	0.000168	0.000	1000
7.444	0.000023	0.000171	0.000	1000
7.555	0.000023	0.000173	0.000	1000
7.666	0.000023	0.000176	0.000	1000
7.777	0.000023	0.000179	0.000	1000
7.888	0.000023	0.000181	0.000	1000
8.000	0.000023	0.000184	0.000	1000
8.111	0.000023	0.000186	0.000	1000
8.222	0.000023	0.000189	0.000	1000
8.333	0.000023	0.000191	0.000	1000
8.444	0.000023	0.000194	0.000	1000
8.555	0.000023	0.000196	0.000	1000
8.666	0.000023	0.000199	0.000	1000
8.777	0.000023	0.000202	0.000	1000
8.888	0.000023	0.000204	0.000	1000
9.000	0.000023	0.000207	0.000	1000
9.111	0.000023	0.000209	0.000	1000
9.222	0.000023	0.000212	0.000	1000
9.333	0.000023	0.000214	0.000	1000
9.444	0.000023	0.000217	0.000	1000
9.555	0.000023	0.000219	0.000	1000

9.666	0.000023	0.000222	0.000	1000
9.777	0.000023	0.000224	0.000	1000
9.888	0.000023	0.000227	0.000	1000
10.00	0.000023	0.000230	0.000	1000
10.11	0.000023	0.000232	0.000	1000

**Discharge Structure**

Riser Height: 0 ft.

Riser Diameter: 0 in.

**Element Flows To:**

Outlet 1                      Outlet 2

**ANALYSIS RESULTS**

**Stream Protection Duration**

**Predeveloped Landuse Totals for POC #1**

Total Pervious Area:133.1

Total Impervious Area:66.5

**Mitigated Landuse Totals for POC #1**

Total Pervious Area:106

Total Impervious Area:93.6

**Flow Frequency Return Periods for Predeveloped. POC #1**

<u>Return Period</u>	<u>Flow(cfs)</u>
2 year	12.704825
5 year	14.069425
10 year	14.657533
25 year	15.184848
50 year	15.471477
100 year	15.69458

**Flow Frequency Return Periods for Mitigated. POC #1**

<u>Return Period</u>	<u>Flow(cfs)</u>
2 year	13.20373
5 year	13.986793
10 year	14.314014
25 year	14.602583
50 year	14.757607
100 year	14.87741

**Stream Protection Duration**

**Annual Peaks for Predeveloped and Mitigated. POC #1**

<u>Year</u>	<u>Predeveloped</u>	<u>Mitigated</u>
-------------	---------------------	------------------

1956	13.370	13.370
1957	13.370	13.370
1958	13.370	13.370
1959	13.370	13.370
1960	13.370	13.370
1961	13.370	13.370
1962	13.370	13.370
1963	13.370	13.370
1964	13.370	13.370
1965	12.896	13.370
1966	10.087	11.664
1967	13.370	13.370
1968	11.006	13.370
1969	11.340	13.370
1970	12.259	13.370
1971	13.370	13.370
1972	13.370	13.370
1973	13.370	13.370
1974	13.370	13.370
1975	13.370	13.370
1976	12.499	13.370
1977	10.211	12.698
1978	13.370	13.370
1979	13.370	13.370
1980	12.829	13.370
1981	13.225	13.370
1982	13.370	13.370
1983	13.370	13.370
1984	13.370	13.370
1985	11.060	13.370
1986	13.370	13.370
1987	13.370	13.370
1988	10.498	12.459
1989	9.455	11.261
1990	13.370	13.370
1991	12.488	13.370
1992	10.477	12.814
1993	10.881	12.607
1994	9.646	11.733
1995	13.370	13.370
1996	13.370	13.370
1997	13.370	13.370
1998	13.370	13.370
1999	13.370	13.370
2000	13.370	13.370
2001	5.946	7.849
2002	13.370	13.370
2003	12.091	13.306
2004	9.116	10.751
2005	13.370	13.370
2006	13.370	13.370
2007	13.370	13.370
2008	13.370	13.370
2009	13.370	13.370

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**Stream Protection Duration**



**Ranked Annual Peaks for Predeveloped and Mitigated. POC #1**

<b>Rank</b>	<b>Predeveloped</b>	<b>Mitigated</b>
1	13.3700	13.3700
2	13.3700	13.3700
3	13.3700	13.3700
4	13.3700	13.3700
5	13.3700	13.3700
6	13.3700	13.3700
7	13.3700	13.3700
8	13.3700	13.3700
9	13.3700	13.3700
10	13.3700	13.3700
11	13.3700	13.3700
12	13.3700	13.3700
13	13.3700	13.3700
14	13.3700	13.3700
15	13.3700	13.3700
16	13.3700	13.3700
17	13.3700	13.3700
18	13.3700	13.3700
19	13.3700	13.3700
20	13.3700	13.3700
21	13.3700	13.3700
22	13.3700	13.3700
23	13.3700	13.3700
24	13.3700	13.3700
25	13.3700	13.3700
26	13.3700	13.3700
27	13.3700	13.3700
28	13.3700	13.3700
29	13.3700	13.3700
30	13.3700	13.3700
31	13.3700	13.3700
32	13.3700	13.3700
33	13.3700	13.3700
34	13.3700	13.3700
35	13.3700	13.3700
36	13.2251	13.3700
37	12.8958	13.3700
38	12.8294	13.3700
39	12.4991	13.3700
40	12.4880	13.3700
41	12.2591	13.3700
42	12.0914	13.3700
43	11.3395	13.3700
44	11.0604	13.3700
45	11.0061	13.3061
46	10.8805	12.8139
47	10.4979	12.6976
48	10.4774	12.6065
49	10.2110	12.4588
50	10.0873	11.7332
51	9.6456	11.6640
52	9.4545	11.2612
53	9.1159	10.7510
54	5.9457	7.8492

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**Stream Protection Duration**  
**POC #1**  
**The Facility FAILED**

**Facility FAILED** duration standard for 1+ flows.

<b>Flow(cfs)</b>	<b>Predev</b>	<b>Mit</b>	<b>Percentage</b>	<b>Pass/Fail</b>
6.3524	32739	48663	148	Fail
6.4445	31754	47508	149	Fail
6.5366	30826	46334	150	Fail
6.6287	29936	45255	151	Fail
6.7209	29122	44232	151	Fail
6.8130	28270	43229	152	Fail
6.9051	27475	42225	153	Fail
6.9972	26698	41203	154	Fail
7.0893	25903	40161	155	Fail
7.1814	25070	39101	155	Fail
7.2735	24123	37984	157	Fail
7.3656	23158	36791	158	Fail
7.4578	22287	35598	159	Fail
7.5499	21453	34405	160	Fail
7.6420	20639	33307	161	Fail
7.7341	19882	32227	162	Fail
7.8262	19181	31224	162	Fail
7.9183	18503	30277	163	Fail
8.0104	17820	29349	164	Fail
8.1025	17151	28384	165	Fail
8.1946	16496	27456	166	Fail
8.2868	15833	26566	167	Fail
8.3789	15209	25676	168	Fail
8.4710	14658	24862	169	Fail
8.5631	14116	24085	170	Fail
8.6552	13575	23328	171	Fail
8.7473	13077	22590	172	Fail
8.8394	12601	21870	173	Fail
8.9315	12173	21169	173	Fail
9.0237	11689	20488	175	Fail
9.1158	11238	19787	176	Fail
9.2079	10812	19143	177	Fail
9.3000	10437	18522	177	Fail
9.3921	10039	17892	178	Fail
9.4842	9708	17312	178	Fail
9.5763	9379	16750	178	Fail
9.6684	9017	16222	179	Fail
9.7605	8697	15684	180	Fail
9.8527	8377	15192	181	Fail
9.9448	8057	14718	182	Fail
10.0369	7780	14285	183	Fail
10.1290	7519	13864	184	Fail
10.2211	7220	13376	185	Fail
10.3132	6972	12957	185	Fail
10.4053	6731	12569	186	Fail
10.4974	6516	12202	187	Fail
10.5896	6309	11861	188	Fail
10.6817	6110	11494	188	Fail
10.7738	5934	11160	188	Fail

10.8659	5771	10854	188	Fail
10.9580	5622	10564	187	Fail
11.0501	5455	10259	188	Fail
11.1422	5319	9962	187	Fail
11.2343	5171	9683	187	Fail
11.3264	5016	9422	187	Fail
11.4186	4883	9151	187	Fail
11.5107	4756	8871	186	Fail
11.6028	4641	8631	185	Fail
11.6949	4531	8420	185	Fail
11.7870	4419	8188	185	Fail
11.8791	4325	7962	184	Fail
11.9712	4221	7724	182	Fail
12.0633	4134	7544	182	Fail
12.1555	4048	7371	182	Fail
12.2476	3976	7197	181	Fail
12.3397	3912	7053	180	Fail
12.4318	3838	6860	178	Fail
12.5239	3776	6682	176	Fail
12.6160	3719	6557	176	Fail
12.7081	3651	6438	176	Fail
12.8002	3594	6288	174	Fail
12.8923	3545	6192	174	Fail
12.9845	3495	6105	174	Fail
13.0766	3456	6010	173	Fail
13.1687	3406	5919	173	Fail
13.2608	3357	5809	173	Fail
13.3529	3300	5692	172	Fail
13.4450	0	0	172	Pass
13.5371	0	0	0	Pass
13.6292	0	0	0	Pass
13.7214	0	0	0	Pass
13.8135	0	0	0	Pass
13.9056	0	0	0	Pass
13.9977	0	0	0	Pass
14.0898	0	0	0	Pass
14.1819	0	0	0	Pass
14.2740	0	0	0	Pass
14.3661	0	0	0	Pass
14.4582	0	0	0	Pass
14.5504	0	0	0	Pass
14.6425	0	0	0	Pass
14.7346	0	0	0	Pass
14.8267	0	0	0	Pass
14.9188	0	0	0	Pass
15.0109	0	0	0	Pass
15.1030	0	0	0	Pass
15.1951	0	0	0	Pass
15.2873	0	0	0	Pass
15.3794	0	0	0	Pass
15.4715	0	0	0	Pass

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The development has an increase in flow durations from 1/2 Predeveloped 2 year flow to the 2 year flow or more than a 10% increase from the 2 year to the 50 year flow.  
The development has an increase in flow durations for

more than 50% of the flows for the range of the duration analysis.

**Water Quality BMP Flow and Volume for POC #1**

On-line facility volume: 0 acre-feet  
 On-line facility target flow: 0 cfs.  
 Adjusted for 15 min: 0 cfs.  
 Off-line facility target flow: 0 cfs.  
 Adjusted for 15 min: 0 cfs.

**LID Report**

LID Technique	Used for	Total Volume	Volume	Infiltration	Cumulative
Percent	Water Quality	Percent	Through	Volume	Volume
Volume	Water Quality	Treatment	Facility	(ac-ft.)	Infiltration
Infiltrated	Treated	(ac-ft)	(ac-ft)		Credit
PS C POC	N	24599.43			N 0.15
Wet Pond	N	24599.96			N
0.00					
77 Pump	N	24743.44			N
0.53					
U-Ditch	N	2280.45			N
0.00					
Total Volume Infiltrated		76223.28	0.00	0.00	0.22
0.00	0%	No Treat.			Credit
Compliance with LID Standard 8					
Duration Analysis Result = Failed					

**Stream Protection Duration**

**Predeveloped Landuse Totals for POC #2**

Total Pervious Area:19.7  
 Total Impervious Area:37.8

**Mitigated Landuse Totals for POC #2**

Total Pervious Area:19.7  
 Total Impervious Area:37.8

**Flow Frequency Return Periods for Predeveloped. POC #2**

<u>Return Period</u>	<u>Flow(cfs)</u>
2 year	23.344199
5 year	35.401012
10 year	44.417133
25 year	56.976501
50 year	67.182892
100 year	78.122262

**Flow Frequency Return Periods for Mitigated. POC #2**

<u>Return Period</u>	<u>Flow(cfs)</u>
2 year	23.344199
5 year	35.401012

<b>10 year</b>	44.417133
<b>25 year</b>	56.976501
<b>50 year</b>	67.182892
<b>100 year</b>	78.122262

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**Stream Protection Duration**

**Annual Peaks for Predeveloped and Mitigated. POC #2**

<u>Year</u>	<u>Predeveloped</u>	<u>Mitigated</u>
1956	29.634	29.634
1957	36.032	36.032
1958	34.806	34.806
1959	21.658	21.658
1960	34.962	34.962
1961	30.556	30.556
1962	29.598	29.598
1963	38.771	38.771
1964	23.626	23.626
1965	26.253	26.253
1966	18.590	18.590
1967	17.923	17.923
1968	14.936	14.936
1969	21.570	21.570
1970	16.812	16.812
1971	24.057	24.057
1972	21.720	21.720
1973	15.410	15.410
1974	28.375	28.375
1975	47.492	47.492
1976	28.207	28.207
1977	20.126	20.126
1978	30.059	30.059
1979	17.617	17.617
1980	21.295	21.295
1981	24.930	24.930
1982	20.802	20.802
1983	26.652	26.652
1984	21.199	21.199
1985	19.925	19.925
1986	28.351	28.351
1987	26.785	26.785
1988	20.145	20.145
1989	9.195	9.195
1990	19.095	19.095
1991	22.910	22.910
1992	18.589	18.589
1993	20.266	20.266
1994	12.316	12.316
1995	33.891	33.891
1996	37.887	37.887
1997	20.277	20.277
1998	48.894	48.894
1999	11.853	11.853
2000	23.124	23.124
2001	6.100	6.100
2002	52.707	52.707
2003	44.177	44.177

2004	8.489	8.489
2005	133.983	133.983
2006	19.567	19.567
2007	28.339	28.339
2008	19.138	19.138
2009	23.657	23.657

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**Stream Protection Duration**

**Ranked Annual Peaks for Predeveloped and Mitigated. POC #2**

<b>Rank</b>	<b>Predeveloped</b>	<b>Mitigated</b>
1	133.9830	133.9830
2	52.7071	52.7071
3	48.8937	48.8937
4	47.4922	47.4922
5	44.1773	44.1773
6	38.7711	38.7711
7	37.8871	37.8871
8	36.0324	36.0324
9	34.9622	34.9622
10	34.8064	34.8064
11	33.8913	33.8913
12	30.5555	30.5555
13	30.0594	30.0594
14	29.6335	29.6335
15	29.5981	29.5981
16	28.3750	28.3750
17	28.3505	28.3505
18	28.3388	28.3388
19	28.2067	28.2067
20	26.7850	26.7850
21	26.6518	26.6518
22	26.2529	26.2529
23	24.9299	24.9299
24	24.0569	24.0569
25	23.6572	23.6572
26	23.6264	23.6264
27	23.1240	23.1240
28	22.9095	22.9095
29	21.7203	21.7203
30	21.6581	21.6581
31	21.5703	21.5703
32	21.2953	21.2953
33	21.1987	21.1987
34	20.8015	20.8015
35	20.2774	20.2774
36	20.2660	20.2660
37	20.1452	20.1452
38	20.1257	20.1257
39	19.9248	19.9248
40	19.5671	19.5671
41	19.1379	19.1379
42	19.0951	19.0951
43	18.5900	18.5900
44	18.5891	18.5891
45	17.9225	17.9225
46	17.6172	17.6172

47	16.8120	16.8120
48	15.4104	15.4104
49	14.9361	14.9361
50	12.3163	12.3163
51	11.8530	11.8530
52	9.1948	9.1948
53	8.4890	8.4890
54	6.0997	6.0997

**Stream Protection Duration**

**POC #2**

**The Facility PASSED**

**The Facility PASSED.**

<b>Flow(cfs)</b>	<b>Predev</b>	<b>Mit</b>	<b>Percentage</b>	<b>Pass/Fail</b>
11.6721	979	979	100	Pass
12.2328	851	851	100	Pass
12.7935	738	738	100	Pass
13.3542	656	656	100	Pass
13.9150	570	570	100	Pass
14.4757	503	503	100	Pass
15.0364	441	441	100	Pass
15.5971	389	389	100	Pass
16.1578	366	366	100	Pass
16.7185	318	318	100	Pass
17.2793	277	277	100	Pass
17.8400	249	249	100	Pass
18.4007	222	222	100	Pass
18.9614	199	199	100	Pass
19.5221	176	176	100	Pass
20.0828	161	161	100	Pass
20.6435	141	141	100	Pass
21.2043	123	123	100	Pass
21.7650	112	112	100	Pass
22.3257	104	104	100	Pass
22.8864	92	92	100	Pass
23.4471	77	77	100	Pass
24.0078	68	68	100	Pass
24.5685	62	62	100	Pass
25.1293	55	55	100	Pass
25.6900	52	52	100	Pass
26.2507	50	50	100	Pass
26.8114	46	46	100	Pass
27.3721	46	46	100	Pass
27.9328	45	45	100	Pass
28.4936	36	36	100	Pass
29.0543	35	35	100	Pass
29.6150	30	30	100	Pass
30.1757	27	27	100	Pass
30.7364	25	25	100	Pass
31.2971	25	25	100	Pass
31.8578	24	24	100	Pass
32.4186	23	23	100	Pass
32.9793	21	21	100	Pass
33.5400	21	21	100	Pass

34.1007	20	20	100	Pass
34.6614	19	19	100	Pass
35.2221	17	17	100	Pass
35.7828	16	16	100	Pass
36.3436	14	14	100	Pass
36.9043	14	14	100	Pass
37.4650	13	13	100	Pass
38.0257	12	12	100	Pass
38.5864	12	12	100	Pass
39.1471	11	11	100	Pass
39.7079	11	11	100	Pass
40.2686	11	11	100	Pass
40.8293	10	10	100	Pass
41.3900	10	10	100	Pass
41.9507	10	10	100	Pass
42.5114	10	10	100	Pass
43.0721	10	10	100	Pass
43.6329	10	10	100	Pass
44.1936	9	9	100	Pass
44.7543	9	9	100	Pass
45.3150	9	9	100	Pass
45.8757	9	9	100	Pass
46.4364	8	8	100	Pass
46.9971	8	8	100	Pass
47.5579	7	7	100	Pass
48.1186	7	7	100	Pass
48.6793	7	7	100	Pass
49.2400	6	6	100	Pass
49.8007	6	6	100	Pass
50.3614	6	6	100	Pass
50.9222	5	5	100	Pass
51.4829	5	5	100	Pass
52.0436	5	5	100	Pass
52.6043	5	5	100	Pass
53.1650	4	4	100	Pass
53.7257	4	4	100	Pass
54.2864	3	3	100	Pass
54.8472	3	3	100	Pass
55.4079	3	3	100	Pass
55.9686	3	3	100	Pass
56.5293	3	3	100	Pass
57.0900	3	3	100	Pass
57.6507	3	3	100	Pass
58.2115	3	3	100	Pass
58.7722	3	3	100	Pass
59.3329	3	3	100	Pass
59.8936	3	3	100	Pass
60.4543	3	3	100	Pass
61.0150	3	3	100	Pass
61.5757	3	3	100	Pass
62.1365	3	3	100	Pass
62.6972	3	3	100	Pass
63.2579	3	3	100	Pass
63.8186	3	3	100	Pass
64.3793	3	3	100	Pass
64.9400	3	3	100	Pass
65.5007	3	3	100	Pass



66.0615	3	3	100	Pass
66.6222	3	3	100	Pass
67.1829	3	3	100	Pass

**Water Quality BMP Flow and Volume for POC #2**

On-line facility volume: 0 acre-feet

On-line facility target flow: 0 cfs.

Adjusted for 15 min: 0 cfs.

Off-line facility target flow: 0 cfs.

Adjusted for 15 min: 0 cfs.

**LID Report**

LID Technique	Used for	Total Volume	Volume	Infiltration	Cumulative
Percent	Water Quality	Percent	Through	Volume	Volume
Volume		Treatment?	Needs	(ac-ft.)	Infiltration
Infiltrated	Treated	Water Quality	Treatment	Facility	Credit
			(ac-ft)	(ac-ft)	
Total Volume Infiltrated			0.00	0.00	0.00
0.00	0%	No Treat.			0.00
Compliance with LID Standard 8					
Duration Analysis Result = Failed					

**Stream Protection Duration**

**Predeveloped Landuse Totals for POC #3**

Total Pervious Area:16.7

Total Impervious Area:0.5

**Mitigated Landuse Totals for POC #3**

Total Pervious Area:16.7

Total Impervious Area:0.5

**Flow Frequency Return Periods for Predeveloped. POC #3**

<u>Return Period</u>	<u>Flow(cfs)</u>
2 year	3.553814
5 year	6.675337
10 year	9.083275
25 year	12.416415
50 year	15.06535
100 year	17.826578

**Flow Frequency Return Periods for Mitigated. POC #3**

<u>Return Period</u>	<u>Flow(cfs)</u>
2 year	3.553814
5 year	6.675337
10 year	9.083275
25 year	12.416415

50 year 15.06535  
100 year 17.826578

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**Stream Protection Duration**  
**Annual Peaks for Predeveloped and Mitigated. POC #3**

<u>Year</u>	<u>Predeveloped</u>	<u>Mitigated</u>
1956	5.981	5.981
1957	6.684	6.684
1958	6.824	6.824
1959	3.051	3.051
1960	7.110	7.110
1961	4.425	4.425
1962	5.899	5.899
1963	8.243	8.243
1964	3.503	3.503
1965	3.904	3.904
1966	1.021	1.021
1967	2.161	2.161
1968	1.720	1.720
1969	3.401	3.401
1970	2.432	2.432
1971	4.851	4.851
1972	3.588	3.588
1973	2.264	2.264
1974	5.212	5.212
1975	9.417	9.417
1976	5.033	5.033
1977	2.785	2.785
1978	4.820	4.820
1979	2.442	2.442
1980	3.108	3.108
1981	2.644	2.644
1982	3.549	3.549
1983	4.149	4.149
1984	3.845	3.845
1985	0.862	0.862
1986	6.284	6.284
1987	3.877	3.877
1988	2.872	2.872
1989	0.615	0.615
1990	2.651	2.651
1991	3.209	3.209
1992	1.289	1.289
1993	3.183	3.183
1994	1.406	1.406
1995	6.601	6.601
1996	7.399	7.399
1997	3.010	3.010
1998	10.507	10.507
1999	1.304	1.304
2000	2.613	2.613
2001	0.297	0.297
2002	11.804	11.804
2003	3.755	3.755
2004	0.860	0.860
2005	34.360	34.360

2006	3.140	3.140
2007	5.506	5.506
2008	3.014	3.014
2009	4.176	4.176

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**Stream Protection Duration**

**Ranked Annual Peaks for Predeveloped and Mitigated. POC #3**

<b>Rank</b>	<b>Predeveloped</b>	<b>Mitigated</b>
1	34.3600	34.3600
2	11.8036	11.8036
3	10.5066	10.5066
4	9.4172	9.4172
5	8.2435	8.2435
6	7.3988	7.3988
7	7.1102	7.1102
8	6.8236	6.8236
9	6.6841	6.6841
10	6.6013	6.6013
11	6.2843	6.2843
12	5.9806	5.9806
13	5.8986	5.8986
14	5.5055	5.5055
15	5.2124	5.2124
16	5.0330	5.0330
17	4.8514	4.8514
18	4.8198	4.8198
19	4.4252	4.4252
20	4.1761	4.1761
21	4.1490	4.1490
22	3.9043	3.9043
23	3.8771	3.8771
24	3.8451	3.8451
25	3.7548	3.7548
26	3.5879	3.5879
27	3.5490	3.5490
28	3.5033	3.5033
29	3.4013	3.4013
30	3.2088	3.2088
31	3.1829	3.1829
32	3.1398	3.1398
33	3.1076	3.1076
34	3.0509	3.0509
35	3.0144	3.0144
36	3.0099	3.0099
37	2.8716	2.8716
38	2.7845	2.7845
39	2.6510	2.6510
40	2.6443	2.6443
41	2.6127	2.6127
42	2.4423	2.4423
43	2.4319	2.4319
44	2.2637	2.2637
45	2.1614	2.1614
46	1.7199	1.7199
47	1.4063	1.4063
48	1.3041	1.3041

49	1.2895	1.2895
50	1.0214	1.0214
51	0.8622	0.8622
52	0.8600	0.8600
53	0.6146	0.6146
54	0.2968	0.2968

**Stream Protection Duration**

**POC #3**

**The Facility PASSED**

**The Facility PASSED.**

<b>Flow(cfs)</b>	<b>Predev</b>	<b>Mit</b>	<b>Percentage</b>	<b>Pass/Fail</b>
1.7769	465	465	100	Pass
1.9111	410	410	100	Pass
2.0454	367	367	100	Pass
2.1796	320	320	100	Pass
2.3138	293	293	100	Pass
2.4480	259	259	100	Pass
2.5823	231	231	100	Pass
2.7165	205	205	100	Pass
2.8507	188	188	100	Pass
2.9849	170	170	100	Pass
3.1192	151	151	100	Pass
3.2534	134	134	100	Pass
3.3876	126	126	100	Pass
3.5219	116	116	100	Pass
3.6561	99	99	100	Pass
3.7903	90	90	100	Pass
3.9245	82	82	100	Pass
4.0588	71	71	100	Pass
4.1930	67	67	100	Pass
4.3272	62	62	100	Pass
4.4614	53	53	100	Pass
4.5957	50	50	100	Pass
4.7299	48	48	100	Pass
4.8641	42	42	100	Pass
4.9983	39	39	100	Pass
5.1326	37	37	100	Pass
5.2668	36	36	100	Pass
5.4010	33	33	100	Pass
5.5353	31	31	100	Pass
5.6695	27	27	100	Pass
5.8037	26	26	100	Pass
5.9379	24	24	100	Pass
6.0722	22	22	100	Pass
6.2064	22	22	100	Pass
6.3406	19	19	100	Pass
6.4748	19	19	100	Pass
6.6091	16	16	100	Pass
6.7433	14	14	100	Pass
6.8775	13	13	100	Pass
7.0117	13	13	100	Pass
7.1460	11	11	100	Pass
7.2802	11	11	100	Pass

7.4144	10	10	100	Pass
7.5487	10	10	100	Pass
7.6829	10	10	100	Pass
7.8171	10	10	100	Pass
7.9513	10	10	100	Pass
8.0856	10	10	100	Pass
8.2198	9	9	100	Pass
8.3540	8	8	100	Pass
8.4882	8	8	100	Pass
8.6225	8	8	100	Pass
8.7567	8	8	100	Pass
8.8909	8	8	100	Pass
9.0251	8	8	100	Pass
9.1594	8	8	100	Pass
9.2936	8	8	100	Pass
9.4278	6	6	100	Pass
9.5621	6	6	100	Pass
9.6963	6	6	100	Pass
9.8305	6	6	100	Pass
9.9647	6	6	100	Pass
10.0990	6	6	100	Pass
10.2332	6	6	100	Pass
10.3674	6	6	100	Pass
10.5016	6	6	100	Pass
10.6359	5	5	100	Pass
10.7701	5	5	100	Pass
10.9043	5	5	100	Pass
11.0385	5	5	100	Pass
11.1728	5	5	100	Pass
11.3070	5	5	100	Pass
11.4412	5	5	100	Pass
11.5755	5	5	100	Pass
11.7097	5	5	100	Pass
11.8439	4	4	100	Pass
11.9781	4	4	100	Pass
12.1124	4	4	100	Pass
12.2466	4	4	100	Pass
12.3808	4	4	100	Pass
12.5150	4	4	100	Pass
12.6493	3	3	100	Pass
12.7835	3	3	100	Pass
12.9177	3	3	100	Pass
13.0519	3	3	100	Pass
13.1862	3	3	100	Pass
13.3204	3	3	100	Pass
13.4546	3	3	100	Pass
13.5889	3	3	100	Pass
13.7231	3	3	100	Pass
13.8573	3	3	100	Pass
13.9915	3	3	100	Pass
14.1258	3	3	100	Pass
14.2600	3	3	100	Pass
14.3942	3	3	100	Pass
14.5284	3	3	100	Pass
14.6627	3	3	100	Pass
14.7969	3	3	100	Pass
14.9311	3	3	100	Pass

15.0654 3 3 100 Pass

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**Water Quality BMP Flow and Volume for POC #3**

On-line facility volume: 0 acre-feet

On-line facility target flow: 0 cfs.

Adjusted for 15 min: 0 cfs.

Off-line facility target flow: 0 cfs.

Adjusted for 15 min: 0 cfs.

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**LID Report**

LID Technique	Used for	Total Volume	Volume	Infiltration	Cumulative
Percent	Water Quality	Percent	Through	Volume	Volume
Volume	Treatment?	Needs	Facility	(ac-ft.)	Infiltration
Infiltrated	Water Quality	Treatment	(ac-ft)		Credit
	Treated	(ac-ft)	(ac-ft)		
Total Volume Infiltrated		0.00	0.00	0.00	0.00
0.00	0%	No Treat.			
Compliance with LID Standard 8					
Duration Analysis Result = Failed					

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**Stream Protection Duration**

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**Predeveloped Landuse Totals for POC #4**

Total Pervious Area:21

Total Impervious Area:0.4

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**Mitigated Landuse Totals for POC #4**

Total Pervious Area:21

Total Impervious Area:0.4

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**Flow Frequency Return Periods for Predeveloped. POC #4**

<u>Return Period</u>	<u>Flow(cfs)</u>
2 year	1.834915
5 year	3.795394
10 year	5.504248
25 year	8.131953
50 year	10.428865
100 year	13.015251

**Flow Frequency Return Periods for Mitigated. POC #4**

<u>Return Period</u>	<u>Flow(cfs)</u>
2 year	1.834915
5 year	3.795394
10 year	5.504248
25 year	8.131953
50 year	10.428865
100 year	13.015251

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**Stream Protection Duration****Annual Peaks for Predeveloped and Mitigated. POC #4**

<b>Year</b>	<b>Predeveloped</b>	<b>Mitigated</b>
1956	3.323	3.323
1957	4.215	4.215
1958	4.248	4.248
1959	1.209	1.209
1960	4.479	4.479
1961	2.817	2.817
1962	4.896	4.896
1963	5.034	5.034
1964	1.938	1.938
1965	1.296	1.296
1966	0.734	0.734
1967	0.950	0.950
1968	0.781	0.781
1969	1.373	1.373
1970	1.065	1.065
1971	2.937	2.937
1972	1.978	1.978
1973	1.390	1.390
1974	2.333	2.333
1975	6.010	6.010
1976	3.738	3.738
1977	1.272	1.272
1978	4.378	4.378
1979	1.155	1.155
1980	1.205	1.205
1981	1.004	1.004
1982	2.170	2.170
1983	2.078	2.078
1984	2.243	2.243
1985	0.547	0.547
1986	3.371	3.371
1987	1.871	1.871
1988	1.295	1.295
1989	0.518	0.518
1990	1.895	1.895
1991	1.933	1.933
1992	0.598	0.598
1993	1.314	1.314
1994	0.643	0.643
1995	3.106	3.106
1996	3.284	3.284
1997	1.095	1.095
1998	4.915	4.915
1999	0.940	0.940
2000	1.183	1.183
2001	0.090	0.090
2002	8.339	8.339
2003	0.816	0.816
2004	0.635	0.635
2005	28.595	28.595
2006	1.820	1.820
2007	2.148	2.148

2008	1.893	1.893
2009	2.431	2.431

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**Stream Protection Duration**

**Ranked Annual Peaks for Predeveloped and Mitigated. POC #4**

<b>Rank</b>	<b>Predeveloped</b>	<b>Mitigated</b>
1	28.5954	28.5954
2	8.3388	8.3388
3	6.0100	6.0100
4	5.0339	5.0339
5	4.9148	4.9148
6	4.8958	4.8958
7	4.4788	4.4788
8	4.3784	4.3784
9	4.2479	4.2479
10	4.2147	4.2147
11	3.7377	3.7377
12	3.3707	3.3707
13	3.3231	3.3231
14	3.2836	3.2836
15	3.1058	3.1058
16	2.9370	2.9370
17	2.8166	2.8166
18	2.4306	2.4306
19	2.3332	2.3332
20	2.2429	2.2429
21	2.1704	2.1704
22	2.1481	2.1481
23	2.0784	2.0784
24	1.9783	1.9783
25	1.9381	1.9381
26	1.9333	1.9333
27	1.8954	1.8954
28	1.8930	1.8930
29	1.8706	1.8706
30	1.8201	1.8201
31	1.3901	1.3901
32	1.3731	1.3731
33	1.3143	1.3143
34	1.2960	1.2960
35	1.2951	1.2951
36	1.2718	1.2718
37	1.2093	1.2093
38	1.2048	1.2048
39	1.1834	1.1834
40	1.1545	1.1545
41	1.0952	1.0952
42	1.0647	1.0647
43	1.0041	1.0041
44	0.9498	0.9498
45	0.9404	0.9404
46	0.8163	0.8163
47	0.7812	0.7812
48	0.7339	0.7339
49	0.6429	0.6429
50	0.6348	0.6348



51	0.5979	0.5979
52	0.5466	0.5466
53	0.5181	0.5181
54	0.0904	0.0904

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**Stream Protection Duration**

**POC #4**

**The Facility PASSED**

**The Facility PASSED.**

<b>Flow(cfs)</b>	<b>Predev</b>	<b>Mit</b>	<b>Percentage</b>	<b>Pass/Fail</b>
0.9175	3450	3450	100	Pass
1.0135	2299	2299	100	Pass
1.1096	1520	1520	100	Pass
1.2057	1057	1057	100	Pass
1.3018	804	804	100	Pass
1.3978	658	658	100	Pass
1.4939	552	552	100	Pass
1.5900	467	467	100	Pass
1.6861	352	352	100	Pass
1.7821	271	271	100	Pass
1.8782	223	223	100	Pass
1.9743	187	187	100	Pass
2.0704	155	155	100	Pass
2.1664	122	122	100	Pass
2.2625	97	97	100	Pass
2.3586	84	84	100	Pass
2.4547	62	62	100	Pass
2.5507	51	51	100	Pass
2.6468	45	45	100	Pass
2.7429	41	41	100	Pass
2.8390	36	36	100	Pass
2.9350	33	33	100	Pass
3.0311	29	29	100	Pass
3.1272	27	27	100	Pass
3.2233	26	26	100	Pass
3.3193	23	23	100	Pass
3.4154	20	20	100	Pass
3.5115	19	19	100	Pass
3.6076	19	19	100	Pass
3.7036	18	18	100	Pass
3.7997	17	17	100	Pass
3.8958	17	17	100	Pass
3.9919	17	17	100	Pass
4.0879	16	16	100	Pass
4.1840	16	16	100	Pass
4.2801	13	13	100	Pass
4.3762	13	13	100	Pass
4.4722	12	12	100	Pass
4.5683	11	11	100	Pass
4.6644	10	10	100	Pass
4.7605	10	10	100	Pass
4.8565	10	10	100	Pass
4.9526	8	8	100	Pass
5.0487	7	7	100	Pass

5.1447	7	7	100	Pass
5.2408	7	7	100	Pass
5.3369	7	7	100	Pass
5.4330	7	7	100	Pass
5.5290	7	7	100	Pass
5.6251	7	7	100	Pass
5.7212	7	7	100	Pass
5.8173	7	7	100	Pass
5.9133	6	6	100	Pass
6.0094	6	6	100	Pass
6.1055	5	5	100	Pass
6.2016	5	5	100	Pass
6.2976	5	5	100	Pass
6.3937	5	5	100	Pass
6.4898	5	5	100	Pass
6.5859	5	5	100	Pass
6.6819	5	5	100	Pass
6.7780	5	5	100	Pass
6.8741	5	5	100	Pass
6.9702	5	5	100	Pass
7.0662	5	5	100	Pass
7.1623	4	4	100	Pass
7.2584	4	4	100	Pass
7.3545	4	4	100	Pass
7.4505	4	4	100	Pass
7.5466	4	4	100	Pass
7.6427	4	4	100	Pass
7.7388	4	4	100	Pass
7.8348	4	4	100	Pass
7.9309	4	4	100	Pass
8.0270	4	4	100	Pass
8.1231	4	4	100	Pass
8.2191	4	4	100	Pass
8.3152	4	4	100	Pass
8.4113	3	3	100	Pass
8.5074	3	3	100	Pass
8.6034	3	3	100	Pass
8.6995	3	3	100	Pass
8.7956	3	3	100	Pass
8.8917	3	3	100	Pass
8.9877	2	2	100	Pass
9.0838	2	2	100	Pass
9.1799	2	2	100	Pass
9.2760	2	2	100	Pass
9.3720	2	2	100	Pass
9.4681	2	2	100	Pass
9.5642	2	2	100	Pass
9.6603	2	2	100	Pass
9.7563	2	2	100	Pass
9.8524	2	2	100	Pass
9.9485	2	2	100	Pass
10.0446	2	2	100	Pass
10.1406	2	2	100	Pass
10.2367	2	2	100	Pass
10.3328	2	2	100	Pass
10.4289	2	2	100	Pass

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**Water Quality BMP Flow and Volume for POC #4**

On-line facility volume: 0 acre-feet  
On-line facility target flow: 0 cfs.  
Adjusted for 15 min: 0 cfs.  
Off-line facility target flow: 0 cfs.  
Adjusted for 15 min: 0 cfs.

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**LID Report**

LID Technique	Used for	Total Volume	Volume	Infiltration	Cumulative
Percent	Water Quality	Percent	Through	Volume	Volume
Volume		Treatment?	Facility	(ac-ft.)	Infiltration
Infiltrated	Treated	Needs	(ac-ft)		Credit
Total Volume Infiltrated			0.00	0.00	0.00
0.00	0%	No Treat. Credit			
Compliance with LID Standard 8					
Duration Analysis Result = Failed					

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**Stream Protection Duration**

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**Predeveloped Landuse Totals for POC #5**

Total Pervious Area:16.1  
Total Impervious Area:1.2

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**Mitigated Landuse Totals for POC #5**

Total Pervious Area:16.1  
Total Impervious Area:1.2

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**Flow Frequency Return Periods for Predeveloped. POC #5**

<u>Return Period</u>	<u>Flow(cfs)</u>
2 year	1.79176
5 year	3.44663
10 year	4.922706
25 year	7.27968
50 year	9.430738
100 year	11.953054

**Flow Frequency Return Periods for Mitigated. POC #5**

<u>Return Period</u>	<u>Flow(cfs)</u>
2 year	1.79176
5 year	3.44663
10 year	4.922706
25 year	7.27968
50 year	9.430738
100 year	11.953054

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**Stream Protection Duration****Annual Peaks for Predeveloped and Mitigated. POC #5**

<b>Year</b>	<b>Predeveloped</b>	<b>Mitigated</b>
1956	3.090	3.090
1957	3.907	3.907
1958	3.899	3.899
1959	1.276	1.276
1960	4.072	4.072
1961	2.577	2.577
1962	4.297	4.297
1963	4.479	4.479
1964	1.872	1.872
1965	1.414	1.414
1966	0.715	0.715
1967	1.018	1.018
1968	0.909	0.909
1969	1.474	1.474
1970	1.151	1.151
1971	2.692	2.692
1972	1.864	1.864
1973	1.271	1.271
1974	2.322	2.322
1975	5.481	5.481
1976	3.400	3.400
1977	1.373	1.373
1978	3.775	3.775
1979	1.239	1.239
1980	1.355	1.355
1981	1.109	1.109
1982	2.001	2.001
1983	2.116	2.116
1984	2.053	2.053
1985	0.628	0.628
1986	3.005	3.005
1987	1.967	1.967
1988	1.395	1.395
1989	0.601	0.601
1990	1.774	1.774
1991	1.941	1.941
1992	0.645	0.645
1993	1.342	1.342
1994	0.739	0.739
1995	3.008	3.008
1996	3.148	3.148
1997	1.162	1.162
1998	4.644	4.644
1999	0.957	0.957
2000	1.331	1.331
2001	0.211	0.211
2002	7.324	7.324
2003	1.347	1.347
2004	0.619	0.619
2005	24.167	24.167
2006	1.776	1.776
2007	2.171	2.171
2008	1.825	1.825
2009	2.279	2.279

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**Stream Protection Duration****Ranked Annual Peaks for Predeveloped and Mitigated. POC #5**

<b>Rank</b>	<b>Predeveloped</b>	<b>Mitigated</b>
1	24.1667	24.1667
2	7.3241	7.3241
3	5.4811	5.4811
4	4.6443	4.6443
5	4.4785	4.4785
6	4.2970	4.2970
7	4.0717	4.0717
8	3.9070	3.9070
9	3.8991	3.8991
10	3.7746	3.7746
11	3.4002	3.4002
12	3.1476	3.1476
13	3.0897	3.0897
14	3.0078	3.0078
15	3.0052	3.0052
16	2.6918	2.6918
17	2.5774	2.5774
18	2.3224	2.3224
19	2.2794	2.2794
20	2.1713	2.1713
21	2.1158	2.1158
22	2.0526	2.0526
23	2.0005	2.0005
24	1.9674	1.9674
25	1.9413	1.9413
26	1.8719	1.8719
27	1.8637	1.8637
28	1.8254	1.8254
29	1.7763	1.7763
30	1.7737	1.7737
31	1.4742	1.4742
32	1.4135	1.4135
33	1.3953	1.3953
34	1.3731	1.3731
35	1.3548	1.3548
36	1.3467	1.3467
37	1.3416	1.3416
38	1.3306	1.3306
39	1.2757	1.2757
40	1.2708	1.2708
41	1.2389	1.2389
42	1.1622	1.1622
43	1.1510	1.1510
44	1.1085	1.1085
45	1.0180	1.0180
46	0.9570	0.9570
47	0.9088	0.9088
48	0.7386	0.7386
49	0.7150	0.7150
50	0.6454	0.6454
51	0.6276	0.6276
52	0.6186	0.6186

53	0.6005	0.6005
54	0.2111	0.2111

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**Stream Protection Duration**

**POC #5**

**The Facility PASSED**

**The Facility PASSED.**

<b>Flow(cfs)</b>	<b>Predev</b>	<b>Mit</b>	<b>Percentage</b>	<b>Pass/Fail</b>
0.8959	1979	1979	100	Pass
0.9821	1387	1387	100	Pass
1.0683	989	989	100	Pass
1.1545	761	761	100	Pass
1.2407	607	607	100	Pass
1.3269	479	479	100	Pass
1.4131	375	375	100	Pass
1.4994	298	298	100	Pass
1.5856	225	225	100	Pass
1.6718	187	187	100	Pass
1.7580	160	160	100	Pass
1.8442	134	134	100	Pass
1.9304	119	119	100	Pass
2.0166	97	97	100	Pass
2.1028	89	89	100	Pass
2.1890	71	71	100	Pass
2.2753	60	60	100	Pass
2.3615	54	54	100	Pass
2.4477	48	48	100	Pass
2.5339	44	44	100	Pass
2.6201	38	38	100	Pass
2.7063	31	31	100	Pass
2.7925	30	30	100	Pass
2.8787	28	28	100	Pass
2.9649	26	26	100	Pass
3.0511	23	23	100	Pass
3.1374	21	21	100	Pass
3.2236	19	19	100	Pass
3.3098	19	19	100	Pass
3.3960	18	18	100	Pass
3.4822	17	17	100	Pass
3.5684	17	17	100	Pass
3.6546	17	17	100	Pass
3.7408	16	16	100	Pass
3.8270	14	14	100	Pass
3.9133	12	12	100	Pass
3.9995	12	12	100	Pass
4.0857	11	11	100	Pass
4.1719	11	11	100	Pass
4.2581	10	10	100	Pass
4.3443	9	9	100	Pass
4.4305	9	9	100	Pass
4.5167	8	8	100	Pass
4.6029	8	8	100	Pass
4.6892	7	7	100	Pass
4.7754	7	7	100	Pass

4.8616	7	7	100	Pass
4.9478	7	7	100	Pass
5.0340	7	7	100	Pass
5.1202	7	7	100	Pass
5.2064	7	7	100	Pass
5.2926	7	7	100	Pass
5.3788	6	6	100	Pass
5.4650	6	6	100	Pass
5.5513	5	5	100	Pass
5.6375	5	5	100	Pass
5.7237	5	5	100	Pass
5.8099	5	5	100	Pass
5.8961	5	5	100	Pass
5.9823	5	5	100	Pass
6.0685	5	5	100	Pass
6.1547	5	5	100	Pass
6.2409	5	5	100	Pass
6.3272	5	5	100	Pass
6.4134	5	5	100	Pass
6.4996	5	5	100	Pass
6.5858	5	5	100	Pass
6.6720	5	5	100	Pass
6.7582	5	5	100	Pass
6.8444	5	5	100	Pass
6.9306	5	5	100	Pass
7.0168	5	5	100	Pass
7.1030	5	5	100	Pass
7.1893	5	5	100	Pass
7.2755	5	5	100	Pass
7.3617	4	4	100	Pass
7.4479	3	3	100	Pass
7.5341	3	3	100	Pass
7.6203	3	3	100	Pass
7.7065	3	3	100	Pass
7.7927	3	3	100	Pass
7.8789	2	2	100	Pass
7.9652	2	2	100	Pass
8.0514	2	2	100	Pass
8.1376	2	2	100	Pass
8.2238	2	2	100	Pass
8.3100	2	2	100	Pass
8.3962	2	2	100	Pass
8.4824	2	2	100	Pass
8.5686	2	2	100	Pass
8.6548	2	2	100	Pass
8.7411	2	2	100	Pass
8.8273	2	2	100	Pass
8.9135	2	2	100	Pass
8.9997	2	2	100	Pass
9.0859	2	2	100	Pass
9.1721	2	2	100	Pass
9.2583	2	2	100	Pass
9.3445	2	2	100	Pass
9.4307	2	2	100	Pass

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**Water Quality BMP Flow and Volume for POC #5**

On-line facility volume: 0 acre-feet  
On-line facility target flow: 0 cfs.  
Adjusted for 15 min: 0 cfs.  
Off-line facility target flow: 0 cfs.  
Adjusted for 15 min: 0 cfs.

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**LID Report**

LID Technique	Used for	Total Volume	Volume	Infiltration	Cumulative
Percent	Water Quality	Percent	Comment	Volume	Volume
Volume	Water Quality	Treatment?	Needs	Through	Volume
Infiltrated	Treated	Water Quality	Treatment	Facility	(ac-ft.)
			(ac-ft)	(ac-ft)	Infiltration
					Credit
Total Volume Infiltrated			0.00	0.00	0.00
0.00	0%	No Treat.	Credit		0.00

Compliance with LID Standard 8  
Duration Analysis Result = Failed

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**Stream Protection Duration**

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**Predeveloped Landuse Totals for POC #6**

Total Pervious Area:7.1  
Total Impervious Area:7

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**Mitigated Landuse Totals for POC #6**

Total Pervious Area:7.1  
Total Impervious Area:7

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**Flow Frequency Return Periods for Predeveloped. POC #6**

<u>Return Period</u>	<u>Flow(cfs)</u>
2 year	4.088578
5 year	6.277602
10 year	8.004326
25 year	10.524893
50 year	12.663874
100 year	15.039932

**Flow Frequency Return Periods for Mitigated. POC #6**

<u>Return Period</u>	<u>Flow(cfs)</u>
2 year	4.088578
5 year	6.277602
10 year	8.004326
25 year	10.524893
50 year	12.663874
100 year	15.039932

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**Stream Protection Duration**

**Annual Peaks for Predeveloped and Mitigated. POC #6**



<b>Year</b>	<b>Predeveloped</b>	<b>Mitigated</b>
1956	5.289	5.289
1957	6.618	6.618
1958	6.373	6.373
1959	3.777	3.777
1960	6.417	6.417
1961	5.122	5.122
1962	5.832	5.832
1963	6.922	6.922
1964	4.007	4.007
1965	4.388	4.388
1966	3.427	3.427
1967	3.104	3.104
1968	2.725	2.725
1969	3.703	3.703
1970	2.932	2.932
1971	4.375	4.375
1972	3.834	3.834
1973	2.768	2.768
1974	4.889	4.889
1975	8.744	8.744
1976	5.372	5.372
1977	3.506	3.506
1978	5.314	5.314
1979	3.109	3.109
1980	3.721	3.721
1981	4.219	4.219
1982	3.633	3.633
1983	4.717	4.717
1984	3.706	3.706
1985	3.647	3.647
1986	4.965	4.965
1987	4.730	4.730
1988	3.529	3.529
1989	1.738	1.738
1990	3.455	3.455
1991	4.182	4.182
1992	3.443	3.443
1993	3.423	3.423
1994	2.205	2.205
1995	5.866	5.866
1996	6.459	6.459
1997	3.525	3.525
1998	8.395	8.395
1999	2.186	2.186
2000	3.804	3.804
2001	1.120	1.120
2002	9.974	9.974
2003	7.506	7.506
2004	1.580	1.580
2005	26.908	26.908
2006	3.542	3.542
2007	4.756	4.756
2008	3.515	3.515
2009	4.097	4.097

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**Stream Protection Duration**

**Ranked Annual Peaks for Predeveloped and Mitigated. POC #6**

<b>Rank</b>	<b>Predeveloped</b>	<b>Mitigated</b>
1	26.9084	26.9084
2	9.9742	9.9742
3	8.7442	8.7442
4	8.3954	8.3954
5	7.5060	7.5060
6	6.9219	6.9219
7	6.6178	6.6178
8	6.4588	6.4588
9	6.4169	6.4169
10	6.3725	6.3725
11	5.8659	5.8659
12	5.8320	5.8320
13	5.3721	5.3721
14	5.3144	5.3144
15	5.2889	5.2889
16	5.1220	5.1220
17	4.9645	4.9645
18	4.8893	4.8893
19	4.7562	4.7562
20	4.7301	4.7301
21	4.7166	4.7166
22	4.3878	4.3878
23	4.3753	4.3753
24	4.2192	4.2192
25	4.1818	4.1818
26	4.0971	4.0971
27	4.0071	4.0071
28	3.8342	3.8342
29	3.8035	3.8035
30	3.7774	3.7774
31	3.7205	3.7205
32	3.7065	3.7065
33	3.7034	3.7034
34	3.6469	3.6469
35	3.6329	3.6329
36	3.5419	3.5419
37	3.5294	3.5294
38	3.5247	3.5247
39	3.5147	3.5147
40	3.5057	3.5057
41	3.4546	3.4546
42	3.4433	3.4433
43	3.4271	3.4271
44	3.4233	3.4233
45	3.1090	3.1090
46	3.1044	3.1044
47	2.9323	2.9323
48	2.7683	2.7683
49	2.7251	2.7251
50	2.2048	2.2048
51	2.1864	2.1864
52	1.7377	1.7377
53	1.5801	1.5801
54	1.1198	1.1198

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**Stream Protection Duration**

**POC #6**

**The Facility PASSED**

**The Facility PASSED.**

<b>Flow(cfs)</b>	<b>Predev</b>	<b>Mit</b>	<b>Percentage</b>	<b>Pass/Fail</b>
2.0443	1181	1181	100	Pass
2.1516	999	999	100	Pass
2.2588	846	846	100	Pass
2.3661	719	719	100	Pass
2.4734	624	624	100	Pass
2.5806	522	522	100	Pass
2.6879	462	462	100	Pass
2.7952	404	404	100	Pass
2.9024	346	346	100	Pass
3.0097	299	299	100	Pass
3.1170	260	260	100	Pass
3.2242	233	233	100	Pass
3.3315	206	206	100	Pass
3.4388	183	183	100	Pass
3.5460	158	158	100	Pass
3.6533	140	140	100	Pass
3.7606	122	122	100	Pass
3.8679	106	106	100	Pass
3.9751	94	94	100	Pass
4.0824	84	84	100	Pass
4.1897	73	73	100	Pass
4.2969	65	65	100	Pass
4.4042	57	57	100	Pass
4.5115	54	54	100	Pass
4.6187	49	49	100	Pass
4.7260	45	45	100	Pass
4.8333	41	41	100	Pass
4.9405	39	39	100	Pass
5.0478	36	36	100	Pass
5.1551	33	33	100	Pass
5.2623	31	31	100	Pass
5.3696	29	29	100	Pass
5.4769	26	26	100	Pass
5.5842	24	24	100	Pass
5.6914	23	23	100	Pass
5.7987	22	22	100	Pass
5.9060	20	20	100	Pass
6.0132	19	19	100	Pass
6.1205	19	19	100	Pass
6.2278	19	19	100	Pass
6.3350	18	18	100	Pass
6.4423	15	15	100	Pass
6.5496	13	13	100	Pass
6.6568	12	12	100	Pass
6.7641	12	12	100	Pass
6.8714	12	12	100	Pass
6.9786	11	11	100	Pass
7.0859	10	10	100	Pass

7.1932	10	10	100	Pass
7.3004	10	10	100	Pass
7.4077	10	10	100	Pass
7.5150	9	9	100	Pass
7.6223	9	9	100	Pass
7.7295	9	9	100	Pass
7.8368	9	9	100	Pass
7.9441	9	9	100	Pass
8.0513	9	9	100	Pass
8.1586	9	9	100	Pass
8.2659	9	9	100	Pass
8.3731	9	9	100	Pass
8.4804	8	8	100	Pass
8.5877	7	7	100	Pass
8.6949	7	7	100	Pass
8.8022	6	6	100	Pass
8.9095	5	5	100	Pass
9.0167	5	5	100	Pass
9.1240	5	5	100	Pass
9.2313	5	5	100	Pass
9.3385	5	5	100	Pass
9.4458	5	5	100	Pass
9.5531	5	5	100	Pass
9.6604	5	5	100	Pass
9.7676	5	5	100	Pass
9.8749	5	5	100	Pass
9.9822	4	4	100	Pass
10.0894	4	4	100	Pass
10.1967	4	4	100	Pass
10.3040	3	3	100	Pass
10.4112	3	3	100	Pass
10.5185	3	3	100	Pass
10.6258	3	3	100	Pass
10.7330	3	3	100	Pass
10.8403	3	3	100	Pass
10.9476	3	3	100	Pass
11.0548	3	3	100	Pass
11.1621	3	3	100	Pass
11.2694	3	3	100	Pass
11.3767	3	3	100	Pass
11.4839	3	3	100	Pass
11.5912	3	3	100	Pass
11.6985	3	3	100	Pass
11.8057	3	3	100	Pass
11.9130	3	3	100	Pass
12.0203	3	3	100	Pass
12.1275	3	3	100	Pass
12.2348	3	3	100	Pass
12.3421	3	3	100	Pass
12.4493	3	3	100	Pass
12.5566	3	3	100	Pass
12.6639	3	3	100	Pass

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Water Quality BMP Flow and Volume for POC #6  
On-line facility volume: 0 acre-feet

On-line facility target flow: 0 cfs.  
 Adjusted for 15 min: 0 cfs.  
 Off-line facility target flow: 0 cfs.  
 Adjusted for 15 min: 0 cfs.

**LID Report**

LID Technique Percent	Water Quality	Used for Percent Treatment? Water Quality	Total Volume Comment Needs Treatment (ac-ft)	Volume Through Facility (ac-ft)	Infiltration Volume (ac-ft.)	Cumulative Volume Infiltration Credit
0.00	0%	No Treat.	Credit	0.00	0.00	0.00
Compliance with LID Standard 8						
Duration Analysis Result = Failed						

**Stream Protection Duration**

**Predeveloped Landuse Totals for POC #7**

Total Pervious Area:9.6  
 Total Impervious Area:1.1

**Mitigated Landuse Totals for POC #7**

Total Pervious Area:9.6  
 Total Impervious Area:1.1

**Flow Frequency Return Periods for Predeveloped. POC #7**

<u>Return Period</u>	<u>Flow(cfs)</u>
2 year	1.253598
5 year	2.314026
10 year	3.253298
25 year	4.75223
50 year	6.123348
100 year	7.737015

**Flow Frequency Return Periods for Mitigated. POC #7**

<u>Return Period</u>	<u>Flow(cfs)</u>
2 year	1.253598
5 year	2.314026
10 year	3.253298
25 year	4.75223
50 year	6.123348
100 year	7.737015

**Stream Protection Duration**

**Annual Peaks for Predeveloped and Mitigated. POC #7**

<u>Year</u>	<u>Predeveloped</u>	<u>Mitigated</u>
1956	2.076	2.076

1957	2.620	2.620
1958	2.601	2.601
1959	0.937	0.937
1960	2.702	2.702
1961	1.717	1.717
1962	2.796	2.796
1963	2.937	2.937
1964	1.282	1.282
1965	1.067	1.067
1966	0.541	0.541
1967	0.742	0.742
1968	0.675	0.675
1969	1.060	1.060
1970	0.830	0.830
1971	1.795	1.795
1972	1.261	1.261
1973	0.883	0.883
1974	1.614	1.614
1975	3.644	3.644
1976	2.258	2.258
1977	0.990	0.990
1978	2.431	2.431
1979	0.891	0.891
1980	0.993	0.993
1981	0.810	0.810
1982	1.338	1.338
1983	1.486	1.486
1984	1.367	1.367
1985	0.574	0.574
1986	2.006	2.006
1987	1.403	1.403
1988	1.005	1.005
1989	0.446	0.446
1990	1.204	1.204
1991	1.355	1.355
1992	0.544	0.544
1993	0.944	0.944
1994	0.546	0.546
1995	2.063	2.063
1996	2.178	2.178
1997	0.832	0.832
1998	3.146	3.146
1999	0.672	0.672
2000	0.976	0.976
2001	0.187	0.187
2002	4.768	4.768
2003	1.214	1.214
2004	0.426	0.426
2005	15.376	15.376
2006	1.223	1.223
2007	1.520	1.520
2008	1.249	1.249
2009	1.538	1.538

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**Stream Protection Duration**

**Ranked Annual Peaks for Predeveloped and Mitigated. POC #7**

<b>Rank</b>	<b>Predeveloped</b>	<b>Mitigated</b>
1	15.3755	15.3755
2	4.7679	4.7679
3	3.6442	3.6442
4	3.1464	3.1464
5	2.9369	2.9369
6	2.7961	2.7961
7	2.7024	2.7024
8	2.6205	2.6205
9	2.6014	2.6014
10	2.4305	2.4305
11	2.2576	2.2576
12	2.1781	2.1781
13	2.0756	2.0756
14	2.0632	2.0632
15	2.0059	2.0059
16	1.7945	1.7945
17	1.7167	1.7167
18	1.6145	1.6145
19	1.5381	1.5381
20	1.5204	1.5204
21	1.4864	1.4864
22	1.4026	1.4026
23	1.3672	1.3672
24	1.3552	1.3552
25	1.3377	1.3377
26	1.2823	1.2823
27	1.2606	1.2606
28	1.2494	1.2494
29	1.2230	1.2230
30	1.2137	1.2137
31	1.2040	1.2040
32	1.0665	1.0665
33	1.0605	1.0605
34	1.0051	1.0051
35	0.9934	0.9934
36	0.9900	0.9900
37	0.9755	0.9755
38	0.9437	0.9437
39	0.9373	0.9373
40	0.8910	0.8910
41	0.8830	0.8830
42	0.8318	0.8318
43	0.8304	0.8304
44	0.8100	0.8100
45	0.7417	0.7417
46	0.6752	0.6752
47	0.6722	0.6722
48	0.5744	0.5744
49	0.5461	0.5461
50	0.5436	0.5436
51	0.5413	0.5413
52	0.4456	0.4456
53	0.4257	0.4257
54	0.1869	0.1869

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**Stream Protection Duration**

**POC #7**

**The Facility PASSED**

**The Facility PASSED.**

<b>Flow(cfs)</b>	<b>Predev</b>	<b>Mit</b>	<b>Percentage</b>	<b>Pass/Fail</b>
0.6268	1551	1551	100	Pass
0.6823	1126	1126	100	Pass
0.7378	857	857	100	Pass
0.7934	659	659	100	Pass
0.8489	519	519	100	Pass
0.9044	414	414	100	Pass
0.9599	316	316	100	Pass
1.0154	250	250	100	Pass
1.0710	204	204	100	Pass
1.1265	175	175	100	Pass
1.1820	149	149	100	Pass
1.2375	133	133	100	Pass
1.2930	112	112	100	Pass
1.3486	104	104	100	Pass
1.4041	87	87	100	Pass
1.4596	75	75	100	Pass
1.5151	65	65	100	Pass
1.5707	56	56	100	Pass
1.6262	50	50	100	Pass
1.6817	45	45	100	Pass
1.7372	42	42	100	Pass
1.7927	36	36	100	Pass
1.8483	31	31	100	Pass
1.9038	29	29	100	Pass
1.9593	27	27	100	Pass
2.0148	25	25	100	Pass
2.0703	22	22	100	Pass
2.1259	21	21	100	Pass
2.1814	19	19	100	Pass
2.2369	18	18	100	Pass
2.2924	17	17	100	Pass
2.3479	17	17	100	Pass
2.4035	17	17	100	Pass
2.4590	16	16	100	Pass
2.5145	14	14	100	Pass
2.5700	14	14	100	Pass
2.6255	12	12	100	Pass
2.6811	12	12	100	Pass
2.7366	11	11	100	Pass
2.7921	11	11	100	Pass
2.8476	9	9	100	Pass
2.9031	9	9	100	Pass
2.9587	8	8	100	Pass
3.0142	8	8	100	Pass
3.0697	8	8	100	Pass
3.1252	8	8	100	Pass
3.1808	7	7	100	Pass
3.2363	7	7	100	Pass
3.2918	7	7	100	Pass
3.3473	7	7	100	Pass



3.4028	7	7	100	Pass
3.4584	7	7	100	Pass
3.5139	7	7	100	Pass
3.5694	6	6	100	Pass
3.6249	6	6	100	Pass
3.6804	5	5	100	Pass
3.7360	5	5	100	Pass
3.7915	5	5	100	Pass
3.8470	5	5	100	Pass
3.9025	5	5	100	Pass
3.9580	5	5	100	Pass
4.0136	5	5	100	Pass
4.0691	5	5	100	Pass
4.1246	5	5	100	Pass
4.1801	5	5	100	Pass
4.2356	5	5	100	Pass
4.2912	5	5	100	Pass
4.3467	5	5	100	Pass
4.4022	5	5	100	Pass
4.4577	5	5	100	Pass
4.5132	5	5	100	Pass
4.5688	5	5	100	Pass
4.6243	5	5	100	Pass
4.6798	5	5	100	Pass
4.7353	5	5	100	Pass
4.7909	4	4	100	Pass
4.8464	4	4	100	Pass
4.9019	4	4	100	Pass
4.9574	4	4	100	Pass
5.0129	4	4	100	Pass
5.0685	3	3	100	Pass
5.1240	3	3	100	Pass
5.1795	3	3	100	Pass
5.2350	2	2	100	Pass
5.2905	2	2	100	Pass
5.3461	2	2	100	Pass
5.4016	2	2	100	Pass
5.4571	2	2	100	Pass
5.5126	2	2	100	Pass
5.5681	2	2	100	Pass
5.6237	2	2	100	Pass
5.6792	2	2	100	Pass
5.7347	2	2	100	Pass
5.7902	2	2	100	Pass
5.8457	2	2	100	Pass
5.9013	2	2	100	Pass
5.9568	2	2	100	Pass
6.0123	2	2	100	Pass
6.0678	2	2	100	Pass
6.1233	2	2	100	Pass

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**Water Quality BMP Flow and Volume for POC #7**  
On-line facility volume: 0 acre-feet  
On-line facility target flow: 0 cfs.  
Adjusted for 15 min: 0 cfs.

Off-line facility target flow: 0 cfs.  
 Adjusted for 15 min: 0 cfs.

**LID Report**

LID Technique	Used for	Total Volume	Volume	Infiltration	Cumulative
Percent	Water Quality	Percent	Comment	Volume	Volume
Volume	Treatment?	Needs	Through	Volume	Volume
Infiltrated	Water Quality	Treatment	Facility	(ac-ft.)	Infiltration
	Treated	(ac-ft)	(ac-ft)		Credit
Total Volume Infiltrated		0.00	0.00	0.00	0.00
0.00	0%	No Treat.	Credit		
Compliance with LID Standard 8					
Duration Analysis Result = Failed					

**Stream Protection Duration**

**Predeveloped Landuse Totals for POC #8**  
 Total Pervious Area:12.1  
 Total Impervious Area:0.8

**Mitigated Landuse Totals for POC #8**  
 Total Pervious Area:12.1  
 Total Impervious Area:0.8

**Flow Frequency Return Periods for Predeveloped. POC #8**

<u>Return Period</u>	<u>Flow(cfs)</u>
2 year	2.775331
5 year	5.125021
10 year	6.964832
25 year	9.560639
50 year	11.666237
100 year	13.901765

**Flow Frequency Return Periods for Mitigated. POC #8**

<u>Return Period</u>	<u>Flow(cfs)</u>
2 year	2.775331
5 year	5.125021
10 year	6.964832
25 year	9.560639
50 year	11.666237
100 year	13.901765

**Stream Protection Duration**

**Annual Peaks for Predeveloped and Mitigated. POC #8**

<u>Year</u>	<u>Predeveloped</u>	<u>Mitigated</u>
1956	4.599	4.599
1957	5.174	5.174
1958	5.259	5.259

1959	2.393	2.393
1960	5.464	5.464
1961	3.411	3.411
1962	4.540	4.540
1963	6.315	6.315
1964	2.768	2.768
1965	3.083	3.083
1966	0.853	0.853
1967	1.747	1.747
1968	1.398	1.398
1969	2.671	2.671
1970	1.926	1.926
1971	3.731	3.731
1972	2.799	2.799
1973	1.783	1.783
1974	4.038	4.038
1975	7.251	7.251
1976	3.909	3.909
1977	2.213	2.213
1978	3.721	3.721
1979	1.943	1.943
1980	2.445	2.445
1981	2.173	2.173
1982	2.767	2.767
1983	3.262	3.262
1984	2.982	2.982
1985	0.735	0.735
1986	4.800	4.800
1987	3.070	3.070
1988	2.278	2.278
1989	0.545	0.545
1990	2.087	2.087
1991	2.550	2.550
1992	1.087	1.087
1993	2.500	2.500
1994	1.139	1.139
1995	5.090	5.090
1996	5.704	5.704
1997	2.358	2.358
1998	8.042	8.042
1999	1.031	1.031
2000	2.100	2.100
2001	0.282	0.282
2002	9.009	9.009
2003	3.188	3.188
2004	0.707	0.707
2005	25.995	25.995
2006	2.462	2.462
2007	4.246	4.246
2008	2.367	2.367
2009	3.243	3.243

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**Stream Protection Duration**

**Ranked Annual Peaks for Predeveloped and Mitigated. POC #8**

<b>Rank</b>	<b>Predeveloped</b>	<b>Mitigated</b>
1	25.9949	25.9949

2	9.0086	9.0086
3	8.0419	8.0419
4	7.2512	7.2512
5	6.3145	6.3145
6	5.7038	5.7038
7	5.4643	5.4643
8	5.2588	5.2588
9	5.1741	5.1741
10	5.0900	5.0900
11	4.7996	4.7996
12	4.5988	4.5988
13	4.5402	4.5402
14	4.2460	4.2460
15	4.0381	4.0381
16	3.9086	3.9086
17	3.7308	3.7308
18	3.7208	3.7208
19	3.4111	3.4111
20	3.2621	3.2621
21	3.2426	3.2426
22	3.1882	3.1882
23	3.0835	3.0835
24	3.0704	3.0704
25	2.9820	2.9820
26	2.7992	2.7992
27	2.7676	2.7676
28	2.7669	2.7669
29	2.6710	2.6710
30	2.5499	2.5499
31	2.5004	2.5004
32	2.4615	2.4615
33	2.4453	2.4453
34	2.3934	2.3934
35	2.3674	2.3674
36	2.3575	2.3575
37	2.2778	2.2778
38	2.2126	2.2126
39	2.1725	2.1725
40	2.1005	2.1005
41	2.0874	2.0874
42	1.9429	1.9429
43	1.9260	1.9260
44	1.7829	1.7829
45	1.7469	1.7469
46	1.3980	1.3980
47	1.1393	1.1393
48	1.0875	1.0875
49	1.0314	1.0314
50	0.8532	0.8532
51	0.7355	0.7355
52	0.7066	0.7066
53	0.5449	0.5449
54	0.2824	0.2824

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**Stream Protection Duration**  
**POC #8**

**The Facility PASSED**

**The Facility PASSED.**

<b>Flow(cfs)</b>	<b>Predev</b>	<b>Mit</b>	<b>Percentage</b>	<b>Pass/Fail</b>
1.3877	493	493	100	Pass
1.4915	428	428	100	Pass
1.5953	381	381	100	Pass
1.6991	334	334	100	Pass
1.8030	299	299	100	Pass
1.9068	276	276	100	Pass
2.0106	239	239	100	Pass
2.1144	214	214	100	Pass
2.2183	194	194	100	Pass
2.3221	171	171	100	Pass
2.4259	157	157	100	Pass
2.5297	136	136	100	Pass
2.6336	128	128	100	Pass
2.7374	119	119	100	Pass
2.8412	101	101	100	Pass
2.9450	91	91	100	Pass
3.0488	83	83	100	Pass
3.1527	72	72	100	Pass
3.2565	67	67	100	Pass
3.3603	62	62	100	Pass
3.4641	53	53	100	Pass
3.5680	51	51	100	Pass
3.6718	46	46	100	Pass
3.7756	42	42	100	Pass
3.8794	40	40	100	Pass
3.9833	37	37	100	Pass
4.0871	34	34	100	Pass
4.1909	33	33	100	Pass
4.2947	31	31	100	Pass
4.3986	27	27	100	Pass
4.5024	26	26	100	Pass
4.6062	23	23	100	Pass
4.7100	22	22	100	Pass
4.8139	20	20	100	Pass
4.9177	19	19	100	Pass
5.0215	18	18	100	Pass
5.1253	16	16	100	Pass
5.2292	14	14	100	Pass
5.3330	13	13	100	Pass
5.4368	12	12	100	Pass
5.5406	11	11	100	Pass
5.6444	11	11	100	Pass
5.7483	10	10	100	Pass
5.8521	10	10	100	Pass
5.9559	10	10	100	Pass
6.0597	10	10	100	Pass
6.1636	10	10	100	Pass
6.2674	9	9	100	Pass
6.3712	8	8	100	Pass
6.4750	8	8	100	Pass
6.5789	8	8	100	Pass
6.6827	8	8	100	Pass

6.7865	8	8	100	Pass
6.8903	8	8	100	Pass
6.9942	8	8	100	Pass
7.0980	8	8	100	Pass
7.2018	7	7	100	Pass
7.3056	6	6	100	Pass
7.4095	6	6	100	Pass
7.5133	6	6	100	Pass
7.6171	6	6	100	Pass
7.7209	6	6	100	Pass
7.8248	6	6	100	Pass
7.9286	6	6	100	Pass
8.0324	6	6	100	Pass
8.1362	5	5	100	Pass
8.2400	5	5	100	Pass
8.3439	5	5	100	Pass
8.4477	5	5	100	Pass
8.5515	5	5	100	Pass
8.6553	5	5	100	Pass
8.7592	5	5	100	Pass
8.8630	5	5	100	Pass
8.9668	5	5	100	Pass
9.0706	4	4	100	Pass
9.1745	4	4	100	Pass
9.2783	4	4	100	Pass
9.3821	4	4	100	Pass
9.4859	4	4	100	Pass
9.5898	3	3	100	Pass
9.6936	3	3	100	Pass
9.7974	3	3	100	Pass
9.9012	3	3	100	Pass
10.0051	3	3	100	Pass
10.1089	3	3	100	Pass
10.2127	3	3	100	Pass
10.3165	3	3	100	Pass
10.4203	3	3	100	Pass
10.5242	3	3	100	Pass
10.6280	3	3	100	Pass
10.7318	3	3	100	Pass
10.8356	3	3	100	Pass
10.9395	3	3	100	Pass
11.0433	3	3	100	Pass
11.1471	3	3	100	Pass
11.2509	3	3	100	Pass
11.3548	3	3	100	Pass
11.4586	3	3	100	Pass
11.5624	3	3	100	Pass
11.6662	3	3	100	Pass

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**Water Quality BMP Flow and Volume for POC #8**

On-line facility volume: 0 acre-feet

On-line facility target flow: 0 cfs.

Adjusted for 15 min: 0 cfs.

Off-line facility target flow: 0 cfs.

Adjusted for 15 min: 0 cfs.

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**LID Report**

LID Technique Percent	Water Quality	Used for Percent Treatment? Water Quality	Total Volume Comment Needs Treatment (ac-ft)	Volume Through Facility (ac-ft)	Infiltration Volume (ac-ft.)	Cumulative Volume Infiltration Credit
0.00	0%	No Treat.	0.00	0.00	0.00	0.00
Compliance with LID Standard 8 Duration Analysis Result = Failed						

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**Stream Protection Duration**

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**Predeveloped Landuse Totals for POC #9**

**Total Pervious Area:5.4**

**Total Impervious Area:0.2**

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**Mitigated Landuse Totals for POC #9**

**Total Pervious Area:5.4**

**Total Impervious Area:0.2**

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**Flow Frequency Return Periods for Predeveloped. POC #9**

<u>Return Period</u>	<u>Flow(cfs)</u>
2 year	1.16989
5 year	2.184394
10 year	2.963695
25 year	4.039258
50 year	4.892032
100 year	5.779442

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**Flow Frequency Return Periods for Mitigated. POC #9**

<u>Return Period</u>	<u>Flow(cfs)</u>
2 year	1.16989
5 year	2.184394
10 year	2.963695
25 year	4.039258
50 year	4.892032
100 year	5.779442

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**Stream Protection Duration**

**Annual Peaks for Predeveloped and Mitigated. POC #9**

<u>Year</u>	<u>Predeveloped</u>	<u>Mitigated</u>
1956	1.957	1.957
1957	2.190	2.190
1958	2.234	2.234
1959	1.003	1.003
1960	2.326	2.326

1961	1.449	1.449
1962	1.931	1.931
1963	2.695	2.695
1964	1.153	1.153
1965	1.285	1.285
1966	0.340	0.340
1967	0.715	0.715
1968	0.569	0.569
1969	1.118	1.118
1970	0.801	0.801
1971	1.588	1.588
1972	1.178	1.178
1973	0.744	0.744
1974	1.708	1.708
1975	3.083	3.083
1976	1.650	1.650
1977	0.917	0.917
1978	1.579	1.579
1979	0.805	0.805
1980	1.022	1.022
1981	0.878	0.878
1982	1.165	1.165
1983	1.364	1.364
1984	1.260	1.260
1985	0.288	0.288
1986	2.054	2.054
1987	1.277	1.277
1988	0.946	0.946
1989	0.207	0.207
1990	0.872	0.872
1991	1.057	1.057
1992	0.430	0.430
1993	1.046	1.046
1994	0.465	0.465
1995	2.161	2.161
1996	2.422	2.422
1997	0.989	0.989
1998	3.435	3.435
1999	0.429	0.429
2000	0.863	0.863
2001	0.102	0.102
2002	3.857	3.857
2003	1.255	1.255
2004	0.285	0.285
2005	11.207	11.207
2006	1.032	1.032
2007	1.803	1.803
2008	0.991	0.991
2009	1.369	1.369

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**Stream Protection Duration**

**Ranked Annual Peaks for Predeveloped and Mitigated. POC #9**

<b>Rank</b>	<b>Predeveloped</b>	<b>Mitigated</b>
1	11.2066	11.2066
2	3.8567	3.8567
3	3.4349	3.4349



4	3.0826	3.0826
5	2.6955	2.6955
6	2.4224	2.4224
7	2.3265	2.3265
8	2.2340	2.2340
9	2.1903	2.1903
10	2.1614	2.1614
11	2.0536	2.0536
12	1.9571	1.9571
13	1.9307	1.9307
14	1.8027	1.8027
15	1.7083	1.7083
16	1.6504	1.6504
17	1.5876	1.5876
18	1.5785	1.5785
19	1.4488	1.4488
20	1.3694	1.3694
21	1.3640	1.3640
22	1.2848	1.2848
23	1.2766	1.2766
24	1.2605	1.2605
25	1.2551	1.2551
26	1.1776	1.1776
27	1.1647	1.1647
28	1.1529	1.1529
29	1.1179	1.1179
30	1.0573	1.0573
31	1.0462	1.0462
32	1.0316	1.0316
33	1.0218	1.0218
34	1.0025	1.0025
35	0.9908	0.9908
36	0.9887	0.9887
37	0.9458	0.9458
38	0.9175	0.9175
39	0.8775	0.8775
40	0.8718	0.8718
41	0.8630	0.8630
42	0.8049	0.8049
43	0.8007	0.8007
44	0.7445	0.7445
45	0.7147	0.7147
46	0.5694	0.5694
47	0.4653	0.4653
48	0.4304	0.4304
49	0.4293	0.4293
50	0.3402	0.3402
51	0.2885	0.2885
52	0.2854	0.2854
53	0.2075	0.2075
54	0.1019	0.1019

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**Stream Protection Duration**  
**POC #9**  
**The Facility PASSED**

**The Facility PASSED.**

<b>Flow(cfs)</b>	<b>Predev</b>	<b>Mit</b>	<b>Percentage</b>	<b>Pass/Fail</b>
0.5849	469	469	100	Pass
0.6285	411	411	100	Pass
0.6720	371	371	100	Pass
0.7155	321	321	100	Pass
0.7590	294	294	100	Pass
0.8025	263	263	100	Pass
0.8460	237	237	100	Pass
0.8895	210	210	100	Pass
0.9330	193	193	100	Pass
0.9765	171	171	100	Pass
1.0200	153	153	100	Pass
1.0635	135	135	100	Pass
1.1070	127	127	100	Pass
1.1505	118	118	100	Pass
1.1940	103	103	100	Pass
1.2375	91	91	100	Pass
1.2810	83	83	100	Pass
1.3245	71	71	100	Pass
1.3681	68	68	100	Pass
1.4116	63	63	100	Pass
1.4551	54	54	100	Pass
1.4986	52	52	100	Pass
1.5421	48	48	100	Pass
1.5856	43	43	100	Pass
1.6291	41	41	100	Pass
1.6726	37	37	100	Pass
1.7161	36	36	100	Pass
1.7596	33	33	100	Pass
1.8031	31	31	100	Pass
1.8466	29	29	100	Pass
1.8901	26	26	100	Pass
1.9336	24	24	100	Pass
1.9771	23	23	100	Pass
2.0206	22	22	100	Pass
2.0641	19	19	100	Pass
2.1077	19	19	100	Pass
2.1512	17	17	100	Pass
2.1947	14	14	100	Pass
2.2382	13	13	100	Pass
2.2817	13	13	100	Pass
2.3252	12	12	100	Pass
2.3687	11	11	100	Pass
2.4122	11	11	100	Pass
2.4557	10	10	100	Pass
2.4992	10	10	100	Pass
2.5427	10	10	100	Pass
2.5862	10	10	100	Pass
2.6297	10	10	100	Pass
2.6732	9	9	100	Pass
2.7167	8	8	100	Pass
2.7602	8	8	100	Pass
2.8037	8	8	100	Pass
2.8473	8	8	100	Pass
2.8908	8	8	100	Pass

2.9343	8	8	100	Pass
2.9778	8	8	100	Pass
3.0213	8	8	100	Pass
3.0648	7	7	100	Pass
3.1083	6	6	100	Pass
3.1518	6	6	100	Pass
3.1953	6	6	100	Pass
3.2388	6	6	100	Pass
3.2823	6	6	100	Pass
3.3258	6	6	100	Pass
3.3693	6	6	100	Pass
3.4128	6	6	100	Pass
3.4563	5	5	100	Pass
3.4998	5	5	100	Pass
3.5433	5	5	100	Pass
3.5869	5	5	100	Pass
3.6304	5	5	100	Pass
3.6739	5	5	100	Pass
3.7174	5	5	100	Pass
3.7609	5	5	100	Pass
3.8044	5	5	100	Pass
3.8479	5	5	100	Pass
3.8914	4	4	100	Pass
3.9349	4	4	100	Pass
3.9784	4	4	100	Pass
4.0219	4	4	100	Pass
4.0654	4	4	100	Pass
4.1089	3	3	100	Pass
4.1524	3	3	100	Pass
4.1959	3	3	100	Pass
4.2394	3	3	100	Pass
4.2829	3	3	100	Pass
4.3265	3	3	100	Pass
4.3700	3	3	100	Pass
4.4135	3	3	100	Pass
4.4570	3	3	100	Pass
4.5005	3	3	100	Pass
4.5440	3	3	100	Pass
4.5875	3	3	100	Pass
4.6310	3	3	100	Pass
4.6745	3	3	100	Pass
4.7180	3	3	100	Pass
4.7615	3	3	100	Pass
4.8050	3	3	100	Pass
4.8485	3	3	100	Pass
4.8920	3	3	100	Pass

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**Water Quality BMP Flow and Volume for POC #9**

On-line facility volume: 0 acre-feet

On-line facility target flow: 0 cfs.

Adjusted for 15 min: 0 cfs.

Off-line facility target flow: 0 cfs.

Adjusted for 15 min: 0 cfs.

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**LID Report**

LID Technique Percent	Water Quality	Used for Percent Treatment? Water Quality	Total Volume Comment Needs Treatment (ac-ft)	Volume Through Facility (ac-ft)	Infiltration Volume (ac-ft.)	Cumulative Volume Infiltration Credit
0.00	0%	No Treat.	0.00	0.00	0.00	0.00
Compliance with LID Standard 8						
Duration Analysis Result = Failed						

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**Stream Protection Duration**

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**Predeveloped Landuse Totals for POC #10**

Total Pervious Area:12.7

Total Impervious Area:0

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**Mitigated Landuse Totals for POC #10**

Total Pervious Area:12.7

Total Impervious Area:0

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**Flow Frequency Return Periods for Predeveloped. POC #10**

<u>Return Period</u>	<u>Flow(cfs)</u>
2 year	1.054687
5 year	2.206874
10 year	3.110774
25 year	4.349754
50 year	5.313976
100 year	6.295439

**Flow Frequency Return Periods for Mitigated. POC #10**

<u>Return Period</u>	<u>Flow(cfs)</u>
2 year	1.054687
5 year	2.206874
10 year	3.110774
25 year	4.349754
50 year	5.313976
100 year	6.295439

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**Stream Protection Duration**

**Annual Peaks for Predeveloped and Mitigated. POC #10**

<u>Year</u>	<u>Predeveloped</u>	<u>Mitigated</u>
1956	1.863	1.863
1957	2.366	2.366
1958	2.395	2.395
1959	0.653	0.653
1960	2.536	2.536
1961	1.590	1.590
1962	2.814	2.814

1963	2.877	2.877
1964	1.068	1.068
1965	0.733	0.733
1966	0.424	0.424
1967	0.496	0.496
1968	0.389	0.389
1969	0.716	0.716
1970	0.553	0.553
1971	1.657	1.657
1972	1.102	1.102
1973	0.791	0.791
1974	1.267	1.267
1975	3.398	3.398
1976	2.116	2.116
1977	0.661	0.661
1978	2.535	2.535
1979	0.602	0.602
1980	0.612	0.612
1981	0.541	0.541
1982	1.221	1.221
1983	1.115	1.115
1984	1.266	1.266
1985	0.301	0.301
1986	1.924	1.924
1987	0.987	0.987
1988	0.674	0.674
1989	0.258	0.258
1990	1.095	1.095
1991	1.045	1.045
1992	0.332	0.332
1993	0.704	0.704
1994	0.338	0.338
1995	1.709	1.709
1996	1.886	1.886
1997	0.588	0.588
1998	2.735	2.735
1999	0.505	0.505
2000	0.601	0.601
2001	0.023	0.023
2002	4.791	4.791
2003	0.383	0.383
2004	0.348	0.348
2005	16.686	16.686
2006	0.998	0.998
2007	1.157	1.157
2008	1.044	1.044
2009	1.357	1.357

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**Stream Protection Duration**

**Ranked Annual Peaks for Predeveloped and Mitigated. POC #10**

<b>Rank</b>	<b>Predeveloped</b>	<b>Mitigated</b>
1	16.6859	16.6859
2	4.7908	4.7908
3	3.3981	3.3981
4	2.8766	2.8766
5	2.8136	2.8136

6	2.7350	2.7350
7	2.5358	2.5358
8	2.5348	2.5348
9	2.3950	2.3950
10	2.3659	2.3659
11	2.1157	2.1157
12	1.9245	1.9245
13	1.8863	1.8863
14	1.8629	1.8629
15	1.7086	1.7086
16	1.6570	1.6570
17	1.5902	1.5902
18	1.3573	1.3573
19	1.2666	1.2666
20	1.2662	1.2662
21	1.2215	1.2215
22	1.1571	1.1571
23	1.1155	1.1155
24	1.1024	1.1024
25	1.0945	1.0945
26	1.0675	1.0675
27	1.0448	1.0448
28	1.0435	1.0435
29	0.9976	0.9976
30	0.9868	0.9868
31	0.7909	0.7909
32	0.7333	0.7333
33	0.7163	0.7163
34	0.7044	0.7044
35	0.6743	0.6743
36	0.6613	0.6613
37	0.6532	0.6532
38	0.6118	0.6118
39	0.6024	0.6024
40	0.6010	0.6010
41	0.5882	0.5882
42	0.5532	0.5532
43	0.5406	0.5406
44	0.5048	0.5048
45	0.4959	0.4959
46	0.4238	0.4238
47	0.3885	0.3885
48	0.3832	0.3832
49	0.3482	0.3482
50	0.3379	0.3379
51	0.3321	0.3321
52	0.3015	0.3015
53	0.2583	0.2583
54	0.0230	0.0230

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**Stream Protection Duration**

**POC #10**

**The Facility PASSED**

**The Facility PASSED.**

<b>Flow(cfs)</b>	<b>Predev</b>	<b>Mit</b>	<b>Percentage</b>	<b>Pass/Fail</b>
0.5273	3721	3721	100	Pass
0.5757	2660	2660	100	Pass
0.6240	1814	1814	100	Pass
0.6724	1299	1299	100	Pass
0.7207	928	928	100	Pass
0.7691	781	781	100	Pass
0.8174	666	666	100	Pass
0.8658	579	579	100	Pass
0.9141	496	496	100	Pass
0.9625	423	423	100	Pass
1.0108	304	304	100	Pass
1.0592	250	250	100	Pass
1.1075	215	215	100	Pass
1.1559	188	188	100	Pass
1.2042	162	162	100	Pass
1.2526	136	136	100	Pass
1.3009	103	103	100	Pass
1.3493	84	84	100	Pass
1.3976	64	64	100	Pass
1.4460	47	47	100	Pass
1.4943	43	43	100	Pass
1.5427	40	40	100	Pass
1.5910	36	36	100	Pass
1.6394	33	33	100	Pass
1.6877	30	30	100	Pass
1.7361	27	27	100	Pass
1.7844	26	26	100	Pass
1.8328	26	26	100	Pass
1.8811	24	24	100	Pass
1.9295	20	20	100	Pass
1.9778	19	19	100	Pass
2.0262	19	19	100	Pass
2.0745	19	19	100	Pass
2.1229	17	17	100	Pass
2.1712	17	17	100	Pass
2.2196	17	17	100	Pass
2.2679	17	17	100	Pass
2.3163	16	16	100	Pass
2.3646	16	16	100	Pass
2.4130	13	13	100	Pass
2.4613	13	13	100	Pass
2.5097	13	13	100	Pass
2.5580	11	11	100	Pass
2.6064	11	11	100	Pass
2.6547	10	10	100	Pass
2.7031	10	10	100	Pass
2.7514	9	9	100	Pass
2.7998	9	9	100	Pass
2.8481	8	8	100	Pass
2.8965	7	7	100	Pass
2.9448	7	7	100	Pass
2.9932	7	7	100	Pass
3.0415	7	7	100	Pass
3.0899	7	7	100	Pass
3.1382	7	7	100	Pass
3.1866	7	7	100	Pass

3.2349	7	7	100	Pass
3.2833	7	7	100	Pass
3.3316	7	7	100	Pass
3.3800	6	6	100	Pass
3.4283	5	5	100	Pass
3.4767	5	5	100	Pass
3.5250	5	5	100	Pass
3.5734	5	5	100	Pass
3.6217	5	5	100	Pass
3.6701	5	5	100	Pass
3.7184	5	5	100	Pass
3.7668	5	5	100	Pass
3.8151	4	4	100	Pass
3.8635	4	4	100	Pass
3.9118	4	4	100	Pass
3.9602	4	4	100	Pass
4.0085	4	4	100	Pass
4.0569	4	4	100	Pass
4.1052	4	4	100	Pass
4.1536	4	4	100	Pass
4.2019	4	4	100	Pass
4.2503	4	4	100	Pass
4.2986	4	4	100	Pass
4.3470	4	4	100	Pass
4.3953	4	4	100	Pass
4.4437	4	4	100	Pass
4.4920	4	4	100	Pass
4.5404	4	4	100	Pass
4.5887	4	4	100	Pass
4.6371	4	4	100	Pass
4.6854	4	4	100	Pass
4.7338	4	4	100	Pass
4.7821	4	4	100	Pass
4.8305	3	3	100	Pass
4.8788	3	3	100	Pass
4.9272	3	3	100	Pass
4.9755	3	3	100	Pass
5.0239	3	3	100	Pass
5.0722	3	3	100	Pass
5.1206	3	3	100	Pass
5.1689	3	3	100	Pass
5.2173	2	2	100	Pass
5.2656	2	2	100	Pass
5.3140	2	2	100	Pass

---

**Water Quality BMP Flow and Volume for POC #10**

On-line facility volume: 0 acre-feet

On-line facility target flow: 0 cfs.

Adjusted for 15 min: 0 cfs.

Off-line facility target flow: 0 cfs.

Adjusted for 15 min: 0 cfs.

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LID Technique	Used for	Total Volume	Volume	Infiltration	Cumulative
Percent	Water Quality	Percent	Comment	Through	Volume
Volume	Treatment?	Needs	Facility	(ac-ft.)	Infiltration
Infiltrated	Water Quality	Treatment	(ac-ft)	(ac-ft)	Credit
Total Volume Infiltrated		0.00	0.00	0.00	0.00
0.00	0%	No Treat.	Credit		
Compliance with LID Standard 8					
Duration Analysis Result = Failed					

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**Stream Protection Duration**

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**Predeveloped Landuse Totals for POC #11**  
**Total Pervious Area:133.1**  
**Total Impervious Area:66.5**

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**Mitigated Landuse Totals for POC #11**  
**Total Pervious Area:106**  
**Total Impervious Area:93.6**

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**Flow Frequency Return Periods for Predeveloped. POC #11**

<u>Return Period</u>	<u>Flow(cfs)</u>
2 year	2.112779
5 year	5.494927
10 year	9.056207
25 year	15.429001
50 year	21.7678
100 year	29.666589

**Flow Frequency Return Periods for Mitigated. POC #11**

<u>Return Period</u>	<u>Flow(cfs)</u>
2 year	3.394093
5 year	10.58999
10 year	19.931923
25 year	40.276444
50 year	64.478758
100 year	99.538345

---

**Stream Protection Duration**

**Annual Peaks for Predeveloped and Mitigated. POC #11**

<u>Year</u>	<u>Predeveloped</u>	<u>Mitigated</u>
1956	14.649	26.281
1957	8.516	22.898
1958	6.909	18.406
1959	0.000	5.232
1960	18.647	30.219
1961	0.000	0.966
1962	3.298	17.764
1963	44.588	56.847
1964	0.000	6.099

1965	0.000	0.000
1966	0.000	0.000
1967	0.000	0.000
1968	0.000	0.000
1969	0.000	0.000
1970	0.000	0.000
1971	0.000	0.000
1972	0.000	0.000
1973	0.000	1.570
1974	0.000	1.961
1975	2.053	13.774
1976	0.000	0.000
1977	0.000	0.000
1978	25.136	35.460
1979	0.000	0.000
1980	0.000	0.000
1981	0.000	0.000
1982	0.000	0.865
1983	0.000	2.879
1984	0.000	0.000
1985	0.000	0.000
1986	26.264	37.703
1987	0.000	13.999
1988	0.000	0.000
1989	0.000	0.000
1990	7.187	13.188
1991	0.000	0.000
1992	0.000	0.000
1993	0.000	0.000
1994	0.000	0.000
1995	0.000	2.493
1996	13.292	27.732
1997	0.000	4.583
1998	16.326	32.159
1999	0.000	0.000
2000	0.000	0.000
2001	0.000	0.000
2002	31.653	44.450
2003	0.000	14.984
2004	0.000	0.000
2005	160.576	189.474
2006	0.000	0.000
2007	2.607	18.146
2008	5.265	15.375
2009	0.000	15.683

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**Stream Protection Duration**

**Ranked Annual Peaks for Predeveloped and Mitigated. POC #11**

<b>Rank</b>	<b>Predeveloped</b>	<b>Mitigated</b>
1	160.5760	189.4740
2	44.5877	56.8474
3	31.6530	44.4497
4	26.2644	37.7029
5	25.1364	35.4596
6	18.6465	32.1588
7	16.3257	30.2192

8	14.6487	27.7318
9	13.2918	26.2810
10	8.5156	22.8983
11	7.1873	18.4059
12	6.9085	18.1464
13	5.2647	17.7635
14	3.2983	15.6828
15	2.6070	15.3748
16	2.0527	14.9837
17	0.0000	13.9985
18	0.0000	13.7742
19	0.0000	13.1881
20	0.0000	6.0990
21	0.0000	5.2319
22	0.0000	4.5826
23	0.0000	2.8792
24	0.0000	2.4928
25	0.0000	1.9608
26	0.0000	1.5703
27	0.0000	0.9664
28	0.0000	0.8647
29	0.0000	0.0000
30	0.0000	0.0000
31	0.0000	0.0000
32	0.0000	0.0000
33	0.0000	0.0000
34	0.0000	0.0000
35	0.0000	0.0000
36	0.0000	0.0000
37	0.0000	0.0000
38	0.0000	0.0000
39	0.0000	0.0000
40	0.0000	0.0000
41	0.0000	0.0000
42	0.0000	0.0000
43	0.0000	0.0000
44	0.0000	0.0000
45	0.0000	0.0000
46	0.0000	0.0000
47	0.0000	0.0000
48	0.0000	0.0000
49	0.0000	0.0000
50	0.0000	0.0000
51	0.0000	0.0000
52	0.0000	0.0000
53	0.0000	0.0000
54	0.0000	0.0000

---

**Stream Protection Duration**

**POC #11**

**The Facility FAILED**

**Facility FAILED duration standard for 1+ flows.**

<b>Flow(cfs)</b>	<b>Predev</b>	<b>Mit</b>	<b>Percentage</b>	<b>Pass/Fail</b>
1.0564	565	924	163	<b>Fail</b>

1.2656	563	918	163	Fail
1.4748	543	902	166	Fail
1.6840	517	879	170	Fail
1.8932	499	857	171	Fail
2.1024	470	831	176	Fail
2.3116	457	810	177	Fail
2.5208	433	782	180	Fail
2.7300	420	761	181	Fail
2.9392	406	734	180	Fail
3.1485	393	717	182	Fail
3.3577	381	690	181	Fail
3.5669	369	663	179	Fail
3.7761	355	647	182	Fail
3.9853	343	628	183	Fail
4.1945	323	606	187	Fail
4.4037	308	577	187	Fail
4.6129	291	549	188	Fail
4.8221	270	529	195	Fail
5.0313	245	503	205	Fail
5.2405	212	457	215	Fail
5.4497	183	394	215	Fail
5.6589	171	350	204	Fail
5.8681	162	346	213	Fail
6.0773	161	341	211	Fail
6.2865	157	335	213	Fail
6.4957	156	331	212	Fail
6.7050	154	327	212	Fail
6.9142	145	321	221	Fail
7.1234	144	319	221	Fail
7.3326	143	315	220	Fail
7.5418	141	310	219	Fail
7.7510	138	303	219	Fail
7.9602	138	295	213	Fail
8.1694	138	291	210	Fail
8.3786	138	286	207	Fail
8.5878	136	283	208	Fail
8.7970	136	277	203	Fail
9.0062	136	269	197	Fail
9.2154	134	268	200	Fail
9.4246	129	263	203	Fail
9.6338	128	261	203	Fail
9.8430	125	259	207	Fail
10.0523	124	257	207	Fail
10.2615	123	255	207	Fail
10.4707	120	252	209	Fail
10.6799	119	248	208	Fail
10.8891	116	242	208	Fail
11.0983	115	237	206	Fail
11.3075	113	233	206	Fail
11.5167	112	228	203	Fail
11.7259	108	221	204	Fail
11.9351	108	214	198	Fail
12.1443	103	210	203	Fail
12.3535	101	205	202	Fail
12.5627	100	202	202	Fail
12.7719	99	197	198	Fail
12.9811	97	196	202	Fail

13.1903	93	191	205	Fail
13.3996	91	185	203	Fail
13.6088	91	184	202	Fail
13.8180	86	181	210	Fail
14.0272	84	175	208	Fail
14.2364	84	173	205	Fail
14.4456	82	171	208	Fail
14.6548	79	168	212	Fail
14.8640	79	166	210	Fail
15.0732	77	160	207	Fail
15.2824	76	157	206	Fail
15.4916	75	154	205	Fail
15.7008	74	151	204	Fail
15.9100	74	147	198	Fail
16.1192	71	147	207	Fail
16.3284	70	144	205	Fail
16.5376	68	143	210	Fail
16.7469	67	143	213	Fail
16.9561	67	140	208	Fail
17.1653	64	139	217	Fail
17.3745	63	138	219	Fail
17.5837	62	136	219	Fail
17.7929	62	134	216	Fail
18.0021	60	132	220	Fail
18.2113	57	129	226	Fail
18.4205	56	126	225	Fail
18.6297	55	125	227	Fail
18.8389	50	125	250	Fail
19.0481	49	119	242	Fail
19.2573	49	118	240	Fail
19.4665	47	117	248	Fail
19.6757	44	115	261	Fail
19.8849	43	114	265	Fail
20.0942	42	113	269	Fail
20.3034	42	111	264	Fail
20.5126	42	109	259	Fail
20.7218	38	109	286	Fail
20.9310	37	108	291	Fail
21.1402	36	107	297	Fail
21.3494	35	106	302	Fail
21.5586	33	106	321	Fail
21.7678	33	103	312	Fail

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The development has an increase in flow durations from 1/2 Predeveloped 2 year flow to the 2 year flow or more than a 10% increase from the 2 year to the 50 year flow.

The development has an increase in flow durations for more than 50% of the flows for the range of the duration analysis.

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**Water Quality BMP Flow and Volume for POC #11**

On-line facility volume: 0 acre-feet

On-line facility target flow: 0 cfs.

Adjusted for 15 min: 0 cfs.

Off-line facility target flow: 0 cfs.

Adjusted for 15 min: 0 cfs.

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**LID Report**

LID Technique Percent	Water Quality	Used for Percent Treatment? Water Quality	Total Volume Comment Needs Treatment (ac-ft)	Volume Through Facility (ac-ft)	Infiltration Volume (ac-ft.)	Cumulative Volume Infiltration Credit
Surplus POC 100.00		N	167.02			N
77 Pump 0.53		N	24743.44			N
PS C 0.15		N	24599.43			N
U-Ditch 0.00		N	2280.45			N
Wet Pond 0.00		N	24599.96			N
Total Volume Infiltrated 0.00	0%	No Treat.	76390.30	0.00	0.00	0.44
Compliance with LID Standard 8 Duration Analysis Result = Failed						

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**Stream Protection Duration**

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**Predeveloped Landuse Totals for POC #12**

Total Pervious Area:26.5  
Total Impervious Area:62.2

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**Mitigated Landuse Totals for POC #12**

Total Pervious Area:26.5  
Total Impervious Area:62.2

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**Flow Frequency Return Periods for Predeveloped. POC #12**

<u>Return Period</u>	<u>Flow(cfs)</u>
2 year	37.372778
5 year	56.218933
10 year	70.227173
25 year	89.650282
50 year	105.372131
100 year	122.171642

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**Flow Frequency Return Periods for Mitigated. POC #12**

<u>Return Period</u>	<u>Flow(cfs)</u>
2 year	37.372778
5 year	56.218933
10 year	70.227173
25 year	89.650282
50 year	105.372131
100 year	122.171642

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**Stream Protection Duration**

**Annual Peaks for Predeveloped and Mitigated. POC #12**

<u>Year</u>	<u>Predeveloped</u>	<u>Mitigated</u>
1956	46.751	46.751
1957	57.057	57.057
1958	54.984	54.984
1959	34.789	34.789
1960	55.138	55.138
1961	49.348	49.348
1962	46.722	46.722
1963	61.016	61.016
1964	37.729	37.729
1965	41.919	41.919
1966	30.561	30.561
1967	28.799	28.799
1968	24.361	24.361
1969	34.373	34.373
1970	26.869	26.869
1971	37.954	37.954
1972	35.430	35.430
1973	24.795	24.795
1974	44.950	44.950
1975	74.986	74.986
1976	44.737	44.737
1977	32.461	32.461
1978	49.040	49.040
1979	28.194	28.194
1980	34.125	34.125
1981	40.189	40.189
1982	33.051	33.051
1983	42.489	42.489
1984	33.600	33.600
1985	32.715	32.715
1986	44.524	44.524
1987	42.807	42.807
1988	32.211	32.211
1989	14.953	14.953
1990	30.619	30.619
1991	36.652	36.652
1992	30.587	30.587
1993	32.299	32.299
1994	20.141	20.141
1995	53.554	53.554
1996	59.861	59.861
1997	32.717	32.717
1998	76.906	76.906
1999	19.255	19.255
2000	37.241	37.241
2001	10.006	10.006
2002	82.733	82.733
2003	71.553	71.553
2004	13.844	13.844
2005	208.742	208.742
2006	31.161	31.161
2007	44.785	44.785
2008	30.498	30.498
2009	37.828	37.828

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**Stream Protection Duration**

**Ranked Annual Peaks for Predeveloped and Mitigated. POC #12**

<b>Rank</b>	<b>Predeveloped</b>	<b>Mitigated</b>
1	208.7420	208.7420
2	82.7326	82.7326
3	76.9063	76.9063
4	74.9855	74.9855
5	71.5529	71.5529
6	61.0158	61.0158
7	59.8609	59.8609
8	57.0573	57.0573
9	55.1380	55.1380
10	54.9840	54.9840
11	53.5538	53.5538
12	49.3478	49.3478
13	49.0399	49.0399
14	46.7507	46.7507
15	46.7218	46.7218
16	44.9504	44.9504
17	44.7851	44.7851
18	44.7371	44.7371
19	44.5242	44.5242
20	42.8070	42.8070
21	42.4893	42.4893
22	41.9191	41.9191
23	40.1893	40.1893
24	37.9543	37.9543
25	37.8278	37.8278
26	37.7289	37.7289
27	37.2406	37.2406
28	36.6518	36.6518
29	35.4296	35.4296
30	34.7885	34.7885
31	34.3725	34.3725
32	34.1251	34.1251
33	33.5996	33.5996
34	33.0507	33.0507
35	32.7166	32.7166
36	32.7149	32.7149
37	32.4614	32.4614
38	32.2988	32.2988
39	32.2113	32.2113
40	31.1609	31.1609
41	30.6194	30.6194
42	30.5866	30.5866
43	30.5611	30.5611
44	30.4977	30.4977
45	28.7989	28.7989
46	28.1940	28.1940
47	26.8691	26.8691
48	24.7948	24.7948
49	24.3610	24.3610
50	20.1410	20.1410
51	19.2551	19.2551
52	14.9527	14.9527
53	13.8438	13.8438



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**Stream Protection Duration****POC #12****The Facility PASSED****The Facility PASSED.**

<b>Flow(cfs)</b>	<b>Predev</b>	<b>Mit</b>	<b>Percentage</b>	<b>Pass/Fail</b>
18.6864	1009	1009	100	Pass
19.5620	884	884	100	Pass
20.4376	762	762	100	Pass
21.3132	678	678	100	Pass
22.1888	592	592	100	Pass
23.0645	522	522	100	Pass
23.9401	455	455	100	Pass
24.8157	401	401	100	Pass
25.6913	373	373	100	Pass
26.5669	331	331	100	Pass
27.4425	291	291	100	Pass
28.3181	251	251	100	Pass
29.1938	233	233	100	Pass
30.0694	210	210	100	Pass
30.9450	182	182	100	Pass
31.8206	164	164	100	Pass
32.6962	148	148	100	Pass
33.5718	132	132	100	Pass
34.4474	118	118	100	Pass
35.3230	109	109	100	Pass
36.1987	94	94	100	Pass
37.0743	82	82	100	Pass
37.9499	72	72	100	Pass
38.8255	64	64	100	Pass
39.7011	58	58	100	Pass
40.5767	53	53	100	Pass
41.4523	50	50	100	Pass
42.3280	48	48	100	Pass
43.2036	46	46	100	Pass
44.0792	45	45	100	Pass
44.9548	38	38	100	Pass
45.8304	36	36	100	Pass
46.7060	32	32	100	Pass
47.5816	28	28	100	Pass
48.4572	28	28	100	Pass
49.3329	26	26	100	Pass
50.2085	25	25	100	Pass
51.0841	23	23	100	Pass
51.9597	21	21	100	Pass
52.8353	21	21	100	Pass
53.7109	20	20	100	Pass
54.5865	20	20	100	Pass
55.4622	16	16	100	Pass
56.3378	16	16	100	Pass
57.2134	15	15	100	Pass
58.0890	15	15	100	Pass
58.9646	13	13	100	Pass

59.8402	13	13	100	Pass
60.7158	12	12	100	Pass
61.5915	11	11	100	Pass
62.4671	11	11	100	Pass
63.3427	11	11	100	Pass
64.2183	11	11	100	Pass
65.0939	11	11	100	Pass
65.9695	10	10	100	Pass
66.8451	10	10	100	Pass
67.7207	10	10	100	Pass
68.5964	10	10	100	Pass
69.4720	10	10	100	Pass
70.3476	10	10	100	Pass
71.2232	10	10	100	Pass
72.0988	9	9	100	Pass
72.9744	9	9	100	Pass
73.8500	8	8	100	Pass
74.7257	8	8	100	Pass
75.6013	7	7	100	Pass
76.4769	7	7	100	Pass
77.3525	6	6	100	Pass
78.2281	6	6	100	Pass
79.1037	6	6	100	Pass
79.9793	6	6	100	Pass
80.8550	6	6	100	Pass
81.7306	6	6	100	Pass
82.6062	5	5	100	Pass
83.4818	4	4	100	Pass
84.3574	3	3	100	Pass
85.2330	3	3	100	Pass
86.1086	3	3	100	Pass
86.9842	3	3	100	Pass
87.8599	3	3	100	Pass
88.7355	3	3	100	Pass
89.6111	3	3	100	Pass
90.4867	3	3	100	Pass
91.3623	3	3	100	Pass
92.2379	3	3	100	Pass
93.1135	3	3	100	Pass
93.9892	3	3	100	Pass
94.8648	3	3	100	Pass
95.7404	3	3	100	Pass
96.6160	3	3	100	Pass
97.4916	3	3	100	Pass
98.3672	3	3	100	Pass
99.2428	3	3	100	Pass
100.1184	3	3	100	Pass
100.9941	3	3	100	Pass
101.8697	3	3	100	Pass
102.7453	3	3	100	Pass
103.6209	3	3	100	Pass
104.4965	3	3	100	Pass
105.3721	3	3	100	Pass

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Water Quality BMP Flow and Volume for POC #12  
 On-line facility volume: 0 acre-feet  
 On-line facility target flow: 0 cfs.  
 Adjusted for 15 min: 0 cfs.  
 Off-line facility target flow: 0 cfs.  
 Adjusted for 15 min: 0 cfs.

**LID Report**

LID Technique	Used for	Total Volume	Volume	Infiltration	Cumulative	
Percent	Water Quality	Percent	Comment	Volume	Volume	
Volume	Water Quality	Treatment?	Needs	Through	Volume	
Infiltrated	Treated	Water Quality	Treatment	Facility	(ac-ft.)	Infiltration
		(ac-ft)	(ac-ft)	Credit		
Total Volume Infiltrated		0.00	0.00	0.00	0.00	
0.00	0%	No Treat.	Credit			
Compliance with LID Standard 8						
Duration Analysis Result = Failed						

**Stream Protection Duration**

**Predeveloped Landuse Totals for POC #13**

Total Pervious Area:27  
 Total Impervious Area:0.9

**Mitigated Landuse Totals for POC #13**

Total Pervious Area:12.5  
 Total Impervious Area:0.9

**Flow Frequency Return Periods for Predeveloped. POC #13**

<u>Return Period</u>	<u>Flow(cfs)</u>
2 year	2.477167
5 year	5.059799
10 year	7.408421
25 year	11.192727
50 year	14.660585
100 year	18.7311

**Flow Frequency Return Periods for Mitigated. POC #13**

<u>Return Period</u>	<u>Flow(cfs)</u>
2 year	1.374573
5 year	2.654194
10 year	3.798753
25 year	5.63036
50 year	7.305039
100 year	9.271575

**Stream Protection Duration**

**Annual Peaks for Predeveloped and Mitigated. POC #13**

<u>Year</u>	<u>Predeveloped</u>	<u>Mitigated</u>
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1956	4.507	2.380
1957	5.711	3.009
1958	5.739	3.004
1959	1.703	0.978
1960	6.034	3.139
1961	3.802	1.986
1962	6.529	3.317
1963	6.740	3.455
1964	2.659	1.440
1965	1.747	1.079
1966	0.975	0.547
1967	1.346	0.780
1968	1.138	0.695
1969	1.947	1.130
1970	1.513	0.882
1971	3.966	2.074
1972	2.693	1.435
1973	1.867	0.976
1974	3.230	1.784
1975	8.104	4.225
1976	5.036	2.621
1977	1.807	1.052
1978	5.810	2.916
1979	1.637	0.949
1980	1.735	1.037
1981	1.428	0.848
1982	2.936	1.541
1983	2.898	1.624
1984	3.027	1.582
1985	0.754	0.471
1986	4.515	2.318
1987	2.635	1.509
1988	1.839	1.069
1989	0.754	0.459
1990	2.551	1.365
1991	2.684	1.491
1992	0.820	0.490
1993	1.834	1.030
1994	0.933	0.565
1995	4.264	2.313
1996	4.407	2.419
1997	1.547	0.891
1998	6.697	3.575
1999	1.311	0.735
2000	1.704	1.018
2001	0.177	0.159
2002	11.123	5.653
2003	1.226	1.012
2004	0.873	0.476
2005	37.734	18.683
2006	2.505	1.366
2007	2.988	1.667
2008	2.595	1.404
2009	3.305	1.755

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**Stream Protection Duration**

**Ranked Annual Peaks for Predeveloped and Mitigated. POC #13**

<b>Rank</b>	<b>Predeveloped</b>	<b>Mitigated</b>
1	37.7342	18.6834
2	11.1233	5.6534
3	8.1043	4.2246
4	6.7395	3.5748
5	6.6974	3.4552
6	6.5293	3.3169
7	6.0339	3.1386
8	5.8098	3.0094
9	5.7390	3.0045
10	5.7106	2.9158
11	5.0365	2.6210
12	4.5155	2.4190
13	4.5066	2.3796
14	4.4069	2.3183
15	4.2637	2.3130
16	3.9661	2.0743
17	3.8019	1.9863
18	3.3046	1.7842
19	3.2303	1.7550
20	3.0275	1.6672
21	2.9882	1.6242
22	2.9359	1.5818
23	2.8977	1.5413
24	2.6933	1.5085
25	2.6839	1.4909
26	2.6585	1.4397
27	2.6353	1.4346
28	2.5954	1.4040
29	2.5511	1.3656
30	2.5046	1.3651
31	1.9474	1.1297
32	1.8666	1.0790
33	1.8389	1.0690
34	1.8340	1.0519
35	1.8070	1.0366
36	1.7467	1.0297
37	1.7351	1.0180
38	1.7043	1.0118
39	1.7028	0.9780
40	1.6371	0.9763
41	1.5474	0.9493
42	1.5134	0.8909
43	1.4278	0.8818
44	1.3463	0.8484
45	1.3110	0.7801
46	1.2257	0.7346
47	1.1381	0.6946
48	0.9755	0.5647
49	0.9326	0.5470
50	0.8731	0.4903
51	0.8198	0.4756
52	0.7539	0.4707
53	0.7539	0.4591
54	0.1775	0.1589

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**Stream Protection Duration**  
**POC #13**  
**The Facility PASSED**

**The Facility PASSED.**

<b>Flow(cfs)</b>	<b>Predev</b>	<b>Mit</b>	<b>Percentage</b>	<b>Pass/Fail</b>
1.2386	3143	216	6	Pass
1.3742	2003	149	7	Pass
1.5097	1348	106	7	Pass
1.6453	932	84	9	Pass
1.7809	731	57	7	Pass
1.9165	595	44	7	Pass
2.0520	494	36	7	Pass
2.1876	377	30	7	Pass
2.3232	286	23	8	Pass
2.4588	229	20	8	Pass
2.5943	188	18	9	Pass
2.7299	154	17	11	Pass
2.8655	120	16	13	Pass
3.0011	101	14	13	Pass
3.1366	86	12	13	Pass
3.2722	66	10	15	Pass
3.4078	54	9	16	Pass
3.5434	48	8	16	Pass
3.6789	42	7	16	Pass
3.8145	37	7	18	Pass
3.9501	33	7	21	Pass
4.0857	30	7	23	Pass
4.2213	28	6	21	Pass
4.3568	27	5	18	Pass
4.4924	23	5	21	Pass
4.6280	20	5	25	Pass
4.7636	19	5	26	Pass
4.8991	19	5	26	Pass
5.0347	18	5	27	Pass
5.1703	17	5	29	Pass
5.3059	17	5	29	Pass
5.4414	17	5	29	Pass
5.5770	16	5	31	Pass
5.7126	14	3	21	Pass
5.8482	12	3	25	Pass
5.9837	12	3	25	Pass
6.1193	11	2	18	Pass
6.2549	10	2	20	Pass
6.3905	10	2	20	Pass
6.5260	10	2	20	Pass
6.6616	9	2	22	Pass
6.7972	7	2	28	Pass
6.9328	7	2	28	Pass
7.0683	7	2	28	Pass
7.2039	7	2	28	Pass
7.3395	7	2	28	Pass
7.4751	7	2	28	Pass
7.6106	7	2	28	Pass
7.7462	7	2	28	Pass

7.8818	7	2	28	Pass
8.0174	6	2	33	Pass
8.1529	5	2	40	Pass
8.2885	5	2	40	Pass
8.4241	5	2	40	Pass
8.5597	5	2	40	Pass
8.6953	5	2	40	Pass
8.8308	5	2	40	Pass
8.9664	5	2	40	Pass
9.1020	5	2	40	Pass
9.2376	5	2	40	Pass
9.3731	5	2	40	Pass
9.5087	5	2	40	Pass
9.6443	5	2	40	Pass
9.7799	5	2	40	Pass
9.9154	5	2	40	Pass
10.0510	4	2	50	Pass
10.1866	4	2	50	Pass
10.3222	4	2	50	Pass
10.4577	4	2	50	Pass
10.5933	4	2	50	Pass
10.7289	4	2	50	Pass
10.8645	4	2	50	Pass
11.0000	4	2	50	Pass
11.1356	3	2	66	Pass
11.2712	3	2	66	Pass
11.4068	3	2	66	Pass
11.5423	3	2	66	Pass
11.6779	3	2	66	Pass
11.8135	3	2	66	Pass
11.9491	2	2	100	Pass
12.0846	2	2	100	Pass
12.2202	2	2	100	Pass
12.3558	2	2	100	Pass
12.4914	2	2	100	Pass
12.6269	2	2	100	Pass
12.7625	2	2	100	Pass
12.8981	2	1	50	Pass
13.0337	2	1	50	Pass
13.1693	2	1	50	Pass
13.3048	2	1	50	Pass
13.4404	2	1	50	Pass
13.5760	2	1	50	Pass
13.7116	2	1	50	Pass
13.8471	2	1	50	Pass
13.9827	2	1	50	Pass
14.1183	2	1	50	Pass
14.2539	2	1	50	Pass
14.3894	2	1	50	Pass
14.5250	2	1	50	Pass
14.6606	2	1	50	Pass

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**Water Quality BMP Flow and Volume for POC #13**

On-line facility volume: 0 acre-feet

On-line facility target flow: 0 cfs.

Adjusted for 15 min: 0 cfs.  
 Off-line facility target flow: 0 cfs.  
 Adjusted for 15 min: 0 cfs.

**LID Report**

LID Technique	Used for	Total Volume	Volume	Infiltration	Cumulative
Percent	Water Quality	Percent	Through	Volume	Volume
Volume	Water Quality	Treatment	Facility	(ac-ft.)	Infiltration
Infiltrated	Treated	(ac-ft)	(ac-ft)		Credit
Total Volume Infiltrated		0.00	0.00	0.00	0.00
0.00	0%	No Treat.	Credit		
Compliance with LID Standard 8					
Duration Analysis Result = Failed					

**Stream Protection Duration**

**Predeveloped Landuse Totals for POC #14**

Total Pervious Area:31.4  
 Total Impervious Area:1.7

**Mitigated Landuse Totals for POC #14**

Total Pervious Area:31.4  
 Total Impervious Area:1.7

**Flow Frequency Return Periods for Predeveloped. POC #14**

<u>Return Period</u>	<u>Flow(cfs)</u>
2 year	3.162056
5 year	6.285447
10 year	9.13926
25 year	13.782954
50 year	18.089043
100 year	23.201289

**Flow Frequency Return Periods for Mitigated. POC #14**

<u>Return Period</u>	<u>Flow(cfs)</u>
2 year	3.162056
5 year	6.285447
10 year	9.13926
25 year	13.782954
50 year	18.089043
100 year	23.201289

**Stream Protection Duration**

**Annual Peaks for Predeveloped and Mitigated. POC #14**

<u>Year</u>	<u>Predeveloped</u>	<u>Mitigated</u>
1956	5.637	5.637
1957	7.135	7.135



1958	7.144	7.144
1959	2.237	2.237
1960	7.484	7.484
1961	4.727	4.727
1962	7.991	7.991
1963	8.291	8.291
1964	3.374	3.374
1965	2.384	2.384
1966	1.229	1.229
1967	1.778	1.778
1968	1.550	1.550
1969	2.573	2.573
1970	2.005	2.005
1971	4.934	4.934
1972	3.386	3.386
1973	2.305	2.305
1974	4.147	4.147
1975	10.064	10.064
1976	6.248	6.248
1977	2.393	2.393
1978	7.062	7.062
1979	2.163	2.163
1980	2.333	2.333
1981	1.914	1.914
1982	3.660	3.660
1983	3.752	3.752
1984	3.764	3.764
1985	0.973	0.973
1986	5.559	5.559
1987	3.455	3.455
1988	2.433	2.433
1989	1.025	1.025
1990	3.216	3.216
1991	3.457	3.457
1992	1.046	1.046
1993	2.377	2.377
1994	1.264	1.264
1995	5.417	5.417
1996	5.637	5.637
1997	2.035	2.035
1998	8.430	8.430
1999	1.697	1.697
2000	2.292	2.292
2001	0.310	0.310
2002	13.617	13.617
2003	1.943	1.943
2004	1.112	1.112
2005	45.524	45.524
2006	3.191	3.191
2007	3.859	3.859
2008	3.292	3.292
2009	4.147	4.147

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**Stream Protection Duration**

**Ranked Annual Peaks for Predeveloped and Mitigated. POC #14**

**Rank            Predeveloped            Mitigated**

1	45.5243	45.5243
2	13.6169	13.6169
3	10.0638	10.0638
4	8.4297	8.4297
5	8.2906	8.2906
6	7.9908	7.9908
7	7.4838	7.4838
8	7.1440	7.1440
9	7.1354	7.1354
10	7.0622	7.0622
11	6.2483	6.2483
12	5.6374	5.6374
13	5.6370	5.6370
14	5.5592	5.5592
15	5.4169	5.4169
16	4.9344	4.9344
17	4.7271	4.7271
18	4.1473	4.1473
19	4.1469	4.1469
20	3.8587	3.8587
21	3.7644	3.7644
22	3.7519	3.7519
23	3.6604	3.6604
24	3.4570	3.4570
25	3.4547	3.4547
26	3.3860	3.3860
27	3.3741	3.3741
28	3.2920	3.2920
29	3.2155	3.2155
30	3.1912	3.1912
31	2.5731	2.5731
32	2.4328	2.4328
33	2.3926	2.3926
34	2.3842	2.3842
35	2.3771	2.3771
36	2.3332	2.3332
37	2.3051	2.3051
38	2.2916	2.2916
39	2.2366	2.2366
40	2.1627	2.1627
41	2.0354	2.0354
42	2.0049	2.0049
43	1.9425	1.9425
44	1.9137	1.9137
45	1.7777	1.7777
46	1.6972	1.6972
47	1.5502	1.5502
48	1.2643	1.2643
49	1.2290	1.2290
50	1.1119	1.1119
51	1.0460	1.0460
52	1.0255	1.0255
53	0.9728	0.9728
54	0.3101	0.3101

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**Stream Protection Duration**

POC #14

The Facility PASSED

The Facility PASSED.

Flow(cfs)	Predev	Mit	Percentage	Pass/Fail
1.5810	2505	2505	100	Pass
1.7478	1620	1620	100	Pass
1.9145	1150	1150	100	Pass
2.0813	823	823	100	Pass
2.2480	654	654	100	Pass
2.4148	531	531	100	Pass
2.5815	413	413	100	Pass
2.7483	319	319	100	Pass
2.9150	244	244	100	Pass
3.0818	199	199	100	Pass
3.2485	163	163	100	Pass
3.4153	136	136	100	Pass
3.5820	111	111	100	Pass
3.7487	96	96	100	Pass
3.9155	85	85	100	Pass
4.0822	65	65	100	Pass
4.2490	55	55	100	Pass
4.4157	49	49	100	Pass
4.5825	44	44	100	Pass
4.7492	39	39	100	Pass
4.9160	32	32	100	Pass
5.0827	30	30	100	Pass
5.2495	29	29	100	Pass
5.4162	26	26	100	Pass
5.5830	23	23	100	Pass
5.7497	20	20	100	Pass
5.9165	19	19	100	Pass
6.0832	19	19	100	Pass
6.2500	17	17	100	Pass
6.4167	17	17	100	Pass
6.5835	17	17	100	Pass
6.7502	17	17	100	Pass
6.9170	16	16	100	Pass
7.0837	14	14	100	Pass
7.2504	12	12	100	Pass
7.4172	12	12	100	Pass
7.5839	11	11	100	Pass
7.7507	11	11	100	Pass
7.9174	10	10	100	Pass
8.0842	9	9	100	Pass
8.2509	9	9	100	Pass
8.4177	8	8	100	Pass
8.5844	7	7	100	Pass
8.7512	7	7	100	Pass
8.9179	7	7	100	Pass
9.0847	7	7	100	Pass
9.2514	7	7	100	Pass
9.4182	7	7	100	Pass
9.5849	7	7	100	Pass
9.7517	7	7	100	Pass
9.9184	6	6	100	Pass

10.0852	5	5	100	Pass
10.2519	5	5	100	Pass
10.4187	5	5	100	Pass
10.5854	5	5	100	Pass
10.7521	5	5	100	Pass
10.9189	5	5	100	Pass
11.0856	5	5	100	Pass
11.2524	5	5	100	Pass
11.4191	5	5	100	Pass
11.5859	5	5	100	Pass
11.7526	5	5	100	Pass
11.9194	5	5	100	Pass
12.0861	5	5	100	Pass
12.2529	5	5	100	Pass
12.4196	5	5	100	Pass
12.5864	5	5	100	Pass
12.7531	5	5	100	Pass
12.9199	5	5	100	Pass
13.0866	4	4	100	Pass
13.2534	4	4	100	Pass
13.4201	4	4	100	Pass
13.5869	4	4	100	Pass
13.7536	3	3	100	Pass
13.9204	3	3	100	Pass
14.0871	3	3	100	Pass
14.2538	3	3	100	Pass
14.4206	3	3	100	Pass
14.5873	2	2	100	Pass
14.7541	2	2	100	Pass
14.9208	2	2	100	Pass
15.0876	2	2	100	Pass
15.2543	2	2	100	Pass
15.4211	2	2	100	Pass
15.5878	2	2	100	Pass
15.7546	2	2	100	Pass
15.9213	2	2	100	Pass
16.0881	2	2	100	Pass
16.2548	2	2	100	Pass
16.4216	2	2	100	Pass
16.5883	2	2	100	Pass
16.7551	2	2	100	Pass
16.9218	2	2	100	Pass
17.0886	2	2	100	Pass
17.2553	2	2	100	Pass
17.4221	2	2	100	Pass
17.5888	2	2	100	Pass
17.7555	2	2	100	Pass
17.9223	2	2	100	Pass
18.0890	2	2	100	Pass

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**Water Quality BMP Flow and Volume for POC #14**

On-line facility volume: 0 acre-feet

On-line facility target flow: 0 cfs.

Adjusted for 15 min: 0 cfs.

Off-line facility target flow: 0 cfs.

Adjusted for 15 min: 0 cfs.

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**LID Report**

LID Technique	Used for	Total Volume	Volume	Infiltration	Cumulative
Percent	Water Quality	Percent	Through	Volume	Volume
Volume	Treatment?	Needs	Facility	(ac-ft.)	Infiltration
Infiltrated	Treated	Treatment	(ac-ft)		Credit
Total Volume Infiltrated		0.00	0.00	0.00	0.00
0.00	0%	No Treat.			
Compliance with LID Standard 8					
Duration Analysis Result = Failed					

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**Stream Protection Duration**

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**Predeveloped Landuse Totals for POC #15**

**Total Pervious Area:39**

**Total Impervious Area:1.5**

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**Mitigated Landuse Totals for POC #15**

**Total Pervious Area:26.4**

**Total Impervious Area:1.5**

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**Flow Frequency Return Periods for Predeveloped. POC #15**

<u>Return Period</u>	<u>Flow(cfs)</u>
2 year	3.674743
5 year	7.435143
10 year	10.831397
25 year	16.274843
50 year	21.241093
100 year	27.0506

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**Flow Frequency Return Periods for Mitigated. POC #15**

<u>Return Period</u>	<u>Flow(cfs)</u>
2 year	2.694298
5 year	5.332721
10 year	7.735856
25 year	11.63658
50 year	15.246187
100 year	19.524624

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**Stream Protection Duration**

**Annual Peaks for Predeveloped and Mitigated. POC #15**

<u>Year</u>	<u>Predeveloped</u>	<u>Mitigated</u>
1956	6.631	4.783
1957	8.400	6.053
1958	8.433	6.057
1959	2.538	1.908

1960	8.858	6.343
1961	5.585	4.007
1962	9.553	6.761
1963	9.873	7.019
1964	3.926	2.867
1965	2.606	2.046
1966	1.427	1.052
1967	2.010	1.518
1968	1.713	1.328
1969	2.907	2.197
1970	2.261	1.712
1971	5.827	4.183
1972	3.968	2.874
1973	2.737	1.953
1974	4.785	3.529
1975	11.902	8.530
1976	7.395	5.296
1977	2.699	2.043
1978	8.485	5.971
1979	2.444	1.846
1980	2.603	1.996
1981	2.140	1.636
1982	4.316	3.104
1983	4.303	3.196
1984	4.448	3.191
1985	1.118	0.828
1986	6.617	4.707
1987	3.926	2.947
1988	2.746	2.077
1989	1.135	0.878
1990	3.761	2.730
1991	3.980	2.943
1992	1.211	0.899
1993	2.724	2.025
1994	1.402	1.082
1995	6.299	4.604
1996	6.522	4.795
1997	2.307	1.737
1998	9.870	7.157
1999	1.946	1.446
2000	2.556	1.960
2001	0.288	0.272
2002	16.275	11.522
2003	1.862	1.709
2004	1.291	0.945
2005	55.007	38.453
2006	3.703	2.713
2007	4.434	3.286
2008	3.833	2.797
2009	4.866	3.520

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**Stream Protection Duration**

**Ranked Annual Peaks for Predeveloped and Mitigated. POC #15**

<b>Rank</b>	<b>Predeveloped</b>	<b>Mitigated</b>
1	55.0073	38.4528
2	16.2754	11.5223

3	11.9017	8.5304
4	9.8735	7.1567
5	9.8702	7.0195
6	9.5529	6.7614
7	8.8584	6.3426
8	8.4855	6.0573
9	8.4334	6.0527
10	8.4000	5.9707
11	7.3946	5.2956
12	6.6308	4.7948
13	6.6166	4.7826
14	6.5222	4.7073
15	6.2990	4.6039
16	5.8274	4.1835
17	5.5852	4.0075
18	4.8665	3.5288
19	4.7854	3.5199
20	4.4476	3.2858
21	4.4337	3.1958
22	4.3160	3.1913
23	4.3025	3.1042
24	3.9795	2.9468
25	3.9681	2.9429
26	3.9265	2.8743
27	3.9259	2.8674
28	3.8327	2.7974
29	3.7610	2.7304
30	3.7030	2.7132
31	2.9073	2.1967
32	2.7462	2.0772
33	2.7373	2.0457
34	2.7238	2.0431
35	2.6992	2.0250
36	2.6056	1.9958
37	2.6028	1.9602
38	2.5565	1.9526
39	2.5380	1.9082
40	2.4440	1.8463
41	2.3073	1.7369
42	2.2610	1.7121
43	2.1399	1.7087
44	2.0096	1.6364
45	1.9465	1.5176
46	1.8618	1.4456
47	1.7134	1.3279
48	1.4274	1.0824
49	1.4021	1.0516
50	1.2907	0.9453
51	1.2107	0.8991
52	1.1345	0.8783
53	1.1184	0.8283
54	0.2881	0.2719

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**Stream Protection Duration**  
**POC #15**  
**The Facility PASSED**

**The Facility PASSED.**

<b>Flow(cfs)</b>	<b>Predev</b>	<b>Mit</b>	<b>Percentage</b>	<b>Pass/Fail</b>
1.8374	2935	728	24	Pass
2.0334	1878	543	28	Pass
2.2294	1289	388	30	Pass
2.4254	908	260	28	Pass
2.6214	714	194	27	Pass
2.8174	577	151	26	Pass
3.0134	481	115	23	Pass
3.2094	369	91	24	Pass
3.4053	278	71	25	Pass
3.6013	224	55	24	Pass
3.7973	185	47	25	Pass
3.9933	150	41	27	Pass
4.1893	117	30	25	Pass
4.3853	101	30	29	Pass
4.5813	87	26	29	Pass
4.7773	70	23	32	Pass
4.9733	55	19	34	Pass
5.1693	49	19	38	Pass
5.3653	44	17	38	Pass
5.5613	40	17	42	Pass
5.7573	33	17	51	Pass
5.9533	30	15	50	Pass
6.1493	28	12	42	Pass
6.3453	27	11	40	Pass
6.5413	23	11	47	Pass
6.7373	20	10	50	Pass
6.9333	19	9	47	Pass
7.1293	19	8	42	Pass
7.3253	18	7	38	Pass
7.5213	17	7	41	Pass
7.7173	17	7	41	Pass
7.9133	17	7	41	Pass
8.1093	16	7	43	Pass
8.3053	15	7	46	Pass
8.5013	12	6	50	Pass
8.6973	12	5	41	Pass
8.8933	11	5	45	Pass
9.0893	11	5	45	Pass
9.2853	10	5	50	Pass
9.4813	10	5	50	Pass
9.6773	9	5	55	Pass
9.8733	8	5	62	Pass
10.0693	7	5	71	Pass
10.2653	7	5	71	Pass
10.4612	7	5	71	Pass
10.6572	7	5	71	Pass
10.8532	7	5	71	Pass
11.0492	7	5	71	Pass
11.2452	7	4	57	Pass
11.4412	7	4	57	Pass
11.6372	7	3	42	Pass
11.8332	6	3	50	Pass
12.0292	5	3	60	Pass



12.2252	5	3	60	Pass
12.4212	5	2	40	Pass
12.6172	5	2	40	Pass
12.8132	5	2	40	Pass
13.0092	5	2	40	Pass
13.2052	5	2	40	Pass
13.4012	5	2	40	Pass
13.5972	5	2	40	Pass
13.7932	5	2	40	Pass
13.9892	5	2	40	Pass
14.1852	5	2	40	Pass
14.3812	5	2	40	Pass
14.5772	5	2	40	Pass
14.7732	5	2	40	Pass
14.9692	4	2	50	Pass
15.1652	4	2	50	Pass
15.3612	4	2	50	Pass
15.5572	4	2	50	Pass
15.7532	4	2	50	Pass
15.9492	4	2	50	Pass
16.1452	4	2	50	Pass
16.3412	3	2	66	Pass
16.5372	3	2	66	Pass
16.7332	3	2	66	Pass
16.9292	3	2	66	Pass
17.1252	3	2	66	Pass
17.3211	3	2	66	Pass
17.5171	2	2	100	Pass
17.7131	2	2	100	Pass
17.9091	2	2	100	Pass
18.1051	2	2	100	Pass
18.3011	2	2	100	Pass
18.4971	2	2	100	Pass
18.6931	2	2	100	Pass
18.8891	2	2	100	Pass
19.0851	2	2	100	Pass
19.2811	2	2	100	Pass
19.4771	2	2	100	Pass
19.6731	2	2	100	Pass
19.8691	2	2	100	Pass
20.0651	2	2	100	Pass
20.2611	2	2	100	Pass
20.4571	2	2	100	Pass
20.6531	2	2	100	Pass
20.8491	2	2	100	Pass
21.0451	2	2	100	Pass
21.2411	2	2	100	Pass

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**Water Quality BMP Flow and Volume for POC #15**  
**On-line facility volume: 0 acre-feet**  
**On-line facility target flow: 0 cfs.**  
**Adjusted for 15 min: 0 cfs.**  
**Off-line facility target flow: 0 cfs.**  
**Adjusted for 15 min: 0 cfs.**

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**LID Report**

LID Technique Percent	Water Quality	Used for Percent Treatment? Water Quality	Total Volume Comment Needs Treatment (ac-ft)	Volume Through Facility (ac-ft)	Infiltration Volume (ac-ft.)	Cumulative Volume Infiltration Credit
0.00	0%	No Treat.	0.00	0.00	0.00	0.00
Compliance with LID Standard 8 Duration Analysis Result = Failed						

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**Stream Protection Duration**

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**Predeveloped Landuse Totals for POC #16**

Total Pervious Area:9.2  
Total Impervious Area:0.2

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**Mitigated Landuse Totals for POC #16**

Total Pervious Area:9.2  
Total Impervious Area:0.2

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**Flow Frequency Return Periods for Predeveloped. POC #16**

<u>Return Period</u>	<u>Flow(cfs)</u>
2 year	1.916808
5 year	3.626895
10 year	4.952871
25 year	6.794955
50 year	8.263128
100 year	9.796741

**Flow Frequency Return Periods for Mitigated. POC #16**

<u>Return Period</u>	<u>Flow(cfs)</u>
2 year	1.916808
5 year	3.626895
10 year	4.952871
25 year	6.794955
50 year	8.263128
100 year	9.796741

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**Stream Protection Duration**

**Annual Peaks for Predeveloped and Mitigated. POC #16**

<u>Year</u>	<u>Predeveloped</u>	<u>Mitigated</u>
1956	3.249	3.249
1957	3.625	3.625
1958	3.705	3.705
1959	1.649	1.649
1960	3.863	3.863
1961	2.403	2.403

1962	3.204	3.204
1963	4.482	4.482
1964	1.890	1.890
1965	2.107	2.107
1966	0.543	0.543
1967	1.160	1.160
1968	0.921	0.921
1969	1.838	1.838
1970	1.312	1.312
1971	2.635	2.635
1972	1.942	1.942
1973	1.223	1.223
1974	2.826	2.826
1975	5.114	5.114
1976	2.728	2.728
1977	1.500	1.500
1978	2.616	2.616
1979	1.316	1.316
1980	1.679	1.679
1981	1.413	1.413
1982	1.921	1.921
1983	2.242	2.242
1984	2.084	2.084
1985	0.456	0.456
1986	3.420	3.420
1987	2.091	2.091
1988	1.548	1.548
1989	0.322	0.322
1990	1.432	1.432
1991	1.729	1.729
1992	0.684	0.684
1993	1.720	1.720
1994	0.754	0.754
1995	3.584	3.584
1996	4.017	4.017
1997	1.628	1.628
1998	5.714	5.714
1999	0.704	0.704
2000	1.404	1.404
2001	0.152	0.152
2002	6.424	6.424
2003	1.988	1.988
2004	0.459	0.459
2005	18.739	18.739
2006	1.698	1.698
2007	2.989	2.989
2008	1.629	1.629
2009	2.263	2.263

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**Stream Protection Duration**

**Ranked Annual Peaks for Predeveloped and Mitigated. POC #16**

<b>Rank</b>	<b>Predeveloped</b>	<b>Mitigated</b>
1	18.7393	18.7393
2	6.4240	6.4240
3	5.7141	5.7141
4	5.1142	5.1142

5	4.4824	4.4824
6	4.0168	4.0168
7	3.8631	3.8631
8	3.7049	3.7049
9	3.6252	3.6252
10	3.5837	3.5837
11	3.4196	3.4196
12	3.2489	3.2489
13	3.2036	3.2036
14	2.9887	2.9887
15	2.8264	2.8264
16	2.7275	2.7275
17	2.6355	2.6355
18	2.6158	2.6158
19	2.4026	2.4026
20	2.2633	2.2633
21	2.2416	2.2416
22	2.1070	2.1070
23	2.0909	2.0909
24	2.0845	2.0845
25	1.9879	1.9879
26	1.9422	1.9422
27	1.9215	1.9215
28	1.8904	1.8904
29	1.8382	1.8382
30	1.7290	1.7290
31	1.7200	1.7200
32	1.6975	1.6975
33	1.6786	1.6786
34	1.6492	1.6492
35	1.6291	1.6291
36	1.6277	1.6277
37	1.5480	1.5480
38	1.5004	1.5004
39	1.4317	1.4317
40	1.4125	1.4125
41	1.4036	1.4036
42	1.3156	1.3156
43	1.3124	1.3124
44	1.2225	1.2225
45	1.1596	1.1596
46	0.9213	0.9213
47	0.7540	0.7540
48	0.7035	0.7035
49	0.6840	0.6840
50	0.5432	0.5432
51	0.4594	0.4594
52	0.4559	0.4559
53	0.3217	0.3217
54	0.1519	0.1519

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**Stream Protection Duration**

**POC #16**

**The Facility PASSED**

**The Facility PASSED.**

<b>Flow(cfs)</b>	<b>Predev</b>	<b>Mit</b>	<b>Percentage</b>	<b>Pass/Fail</b>
0.9584	466	466	100	Pass
1.0322	407	407	100	Pass
1.1060	365	365	100	Pass
1.1798	316	316	100	Pass
1.2535	289	289	100	Pass
1.3273	258	258	100	Pass
1.4011	227	227	100	Pass
1.4749	201	201	100	Pass
1.5487	185	185	100	Pass
1.6225	168	168	100	Pass
1.6963	150	150	100	Pass
1.7700	133	133	100	Pass
1.8438	125	125	100	Pass
1.9176	114	114	100	Pass
1.9914	95	95	100	Pass
2.0652	88	88	100	Pass
2.1390	80	80	100	Pass
2.2128	70	70	100	Pass
2.2865	67	67	100	Pass
2.3603	61	61	100	Pass
2.4341	53	53	100	Pass
2.5079	50	50	100	Pass
2.5817	47	47	100	Pass
2.6555	42	42	100	Pass
2.7292	38	38	100	Pass
2.8030	37	37	100	Pass
2.8768	35	35	100	Pass
2.9506	33	33	100	Pass
3.0244	31	31	100	Pass
3.0982	27	27	100	Pass
3.1720	26	26	100	Pass
3.2457	24	24	100	Pass
3.3195	22	22	100	Pass
3.3933	22	22	100	Pass
3.4671	19	19	100	Pass
3.5409	19	19	100	Pass
3.6147	15	15	100	Pass
3.6885	14	14	100	Pass
3.7622	13	13	100	Pass
3.8360	13	13	100	Pass
3.9098	11	11	100	Pass
3.9836	11	11	100	Pass
4.0574	10	10	100	Pass
4.1312	10	10	100	Pass
4.2049	10	10	100	Pass
4.2787	10	10	100	Pass
4.3525	10	10	100	Pass
4.4263	9	9	100	Pass
4.5001	8	8	100	Pass
4.5739	8	8	100	Pass
4.6477	8	8	100	Pass
4.7214	8	8	100	Pass
4.7952	8	8	100	Pass
4.8690	8	8	100	Pass
4.9428	8	8	100	Pass

5.0166	8	8	100	Pass
5.0904	7	7	100	Pass
5.1642	6	6	100	Pass
5.2379	6	6	100	Pass
5.3117	6	6	100	Pass
5.3855	6	6	100	Pass
5.4593	6	6	100	Pass
5.5331	6	6	100	Pass
5.6069	6	6	100	Pass
5.6806	6	6	100	Pass
5.7544	5	5	100	Pass
5.8282	5	5	100	Pass
5.9020	5	5	100	Pass
5.9758	5	5	100	Pass
6.0496	5	5	100	Pass
6.1234	5	5	100	Pass
6.1971	5	5	100	Pass
6.2709	5	5	100	Pass
6.3447	5	5	100	Pass
6.4185	5	5	100	Pass
6.4923	4	4	100	Pass
6.5661	4	4	100	Pass
6.6399	4	4	100	Pass
6.7136	4	4	100	Pass
6.7874	4	4	100	Pass
6.8612	3	3	100	Pass
6.9350	3	3	100	Pass
7.0088	3	3	100	Pass
7.0826	3	3	100	Pass
7.1564	3	3	100	Pass
7.2301	3	3	100	Pass
7.3039	3	3	100	Pass
7.3777	3	3	100	Pass
7.4515	3	3	100	Pass
7.5253	3	3	100	Pass
7.5991	3	3	100	Pass
7.6728	3	3	100	Pass
7.7466	3	3	100	Pass
7.8204	3	3	100	Pass
7.8942	3	3	100	Pass
7.9680	3	3	100	Pass
8.0418	3	3	100	Pass
8.1156	3	3	100	Pass
8.1893	3	3	100	Pass
8.2631	3	3	100	Pass

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**Water Quality BMP Flow and Volume for POC #16**

On-line facility volume: 0 acre-feet

On-line facility target flow: 0 cfs.

Adjusted for 15 min: 0 cfs.

Off-line facility target flow: 0 cfs.

Adjusted for 15 min: 0 cfs.

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LID Technique Percent	Water Quality	Used for Percent Treatment? Water Quality	Total Volume Comment Needs Treatment (ac-ft)	Volume Through Facility (ac-ft)	Infiltration Volume (ac-ft.)	Cumulative Volume Infiltration Credit
0.00	0%	No Treat.	0.00	0.00	0.00	0.00

Compliance with LID Standard 8  
Duration Analysis Result = Failed

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**Stream Protection Duration**

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**Predeveloped Landuse Totals for POC #17**  
**Total Pervious Area:39**  
**Total Impervious Area:1.5**

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**Mitigated Landuse Totals for POC #17**  
**Total Pervious Area:26.4**  
**Total Impervious Area:1.5**

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**Flow Frequency Return Periods for Predeveloped. POC #17**

<u>Return Period</u>	<u>Flow(cfs)</u>
2 year	3.610464
5 year	7.218399
10 year	10.448844
25 year	15.592121
50 year	20.258443
100 year	25.693748

**Flow Frequency Return Periods for Mitigated. POC #17**

<u>Return Period</u>	<u>Flow(cfs)</u>
2 year	2.65491
5 year	5.21118
10 year	7.525317
25 year	11.263638
50 year	14.709002
100 year	18.779941

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**Stream Protection Duration**

**Annual Peaks for Predeveloped and Mitigated. POC #17**

<u>Year</u>	<u>Predeveloped</u>	<u>Mitigated</u>
1956	6.361	4.636
1957	8.410	5.957
1958	8.295	5.996
1959	2.514	1.897
1960	8.689	6.273
1961	5.710	4.097
1962	8.715	6.321
1963	9.775	6.984

1964	3.890	2.843
1965	2.576	2.024
1966	1.431	1.051
1967	2.012	1.520
1968	1.707	1.322
1969	2.919	2.204
1970	2.275	1.721
1971	5.611	4.050
1972	3.830	2.775
1973	2.691	1.964
1974	4.675	3.450
1975	10.870	7.991
1976	6.894	5.028
1977	2.721	2.057
1978	8.069	5.762
1979	2.435	1.839
1980	2.610	2.000
1981	2.128	1.627
1982	4.167	2.995
1983	4.111	3.055
1984	4.292	3.078
1985	1.121	0.826
1986	6.700	4.768
1987	3.792	2.849
1988	2.767	2.091
1989	1.126	0.871
1990	3.686	2.654
1991	3.824	2.831
1992	1.221	0.898
1993	2.630	1.956
1994	1.344	1.038
1995	6.386	4.666
1996	6.468	4.757
1997	2.290	1.724
1998	9.639	7.067
1999	1.910	1.416
2000	2.564	1.965
2001	0.293	0.278
2002	15.956	11.387
2003	1.845	1.701
2004	1.287	0.942
2005	50.629	36.375
2006	3.619	2.653
2007	4.403	3.264
2008	3.834	2.797
2009	4.706	3.405

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**Stream Protection Duration**

**Ranked Annual Peaks for Predeveloped and Mitigated. POC #17**

<b>Rank</b>	<b>Predeveloped</b>	<b>Mitigated</b>
1	50.6291	36.3753
2	15.9561	11.3866
3	10.8699	7.9908
4	9.7752	7.0672
5	9.6388	6.9841
6	8.7150	6.3205



7	8.6892	6.2733
8	8.4101	5.9960
9	8.2948	5.9573
10	8.0689	5.7620
11	6.8944	5.0280
12	6.6996	4.7678
13	6.4683	4.7569
14	6.3864	4.6662
15	6.3607	4.6361
16	5.7102	4.0966
17	5.6111	4.0503
18	4.7063	3.4499
19	4.6747	3.4046
20	4.4035	3.2644
21	4.2916	3.0778
22	4.1667	3.0549
23	4.1114	2.9946
24	3.8905	2.8489
25	3.8337	2.8427
26	3.8304	2.8305
27	3.8238	2.7966
28	3.7917	2.7747
29	3.6857	2.6543
30	3.6191	2.6532
31	2.9191	2.2039
32	2.7674	2.0912
33	2.7208	2.0575
34	2.6909	2.0241
35	2.6299	2.0002
36	2.6095	1.9654
37	2.5756	1.9640
38	2.5640	1.9560
39	2.5139	1.8970
40	2.4350	1.8392
41	2.2901	1.7240
42	2.2751	1.7215
43	2.1279	1.7014
44	2.0118	1.6275
45	1.9105	1.5203
46	1.8451	1.4158
47	1.7075	1.3225
48	1.4313	1.0509
49	1.3437	1.0378
50	1.2872	0.9420
51	1.2214	0.8979
52	1.1258	0.8711
53	1.1205	0.8261
54	0.2934	0.2777

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**Stream Protection Duration**

**POC #17**

**The Facility PASSED**

**The Facility PASSED.**

**Flow(cfs) Predev Mit Percentage Pass/Fail**

1.8052	3134	768	24	Pass
1.9916	2070	576	27	Pass
2.1780	1411	417	29	Pass
2.3644	1016	292	28	Pass
2.5508	767	216	28	Pass
2.7372	627	164	26	Pass
2.9236	520	129	24	Pass
3.1100	427	100	23	Pass
3.2964	324	83	25	Pass
3.4828	252	63	25	Pass
3.6692	211	52	24	Pass
3.8556	174	45	25	Pass
4.0420	147	40	27	Pass
4.2284	118	32	27	Pass
4.4148	98	30	30	Pass
4.6012	84	26	30	Pass
4.7876	67	20	29	Pass
4.9740	57	19	33	Pass
5.1604	50	18	36	Pass
5.3468	44	17	38	Pass
5.5332	41	17	41	Pass
5.7195	33	17	51	Pass
5.9059	32	15	46	Pass
6.0923	31	12	38	Pass
6.2787	29	11	37	Pass
6.4651	24	10	41	Pass
6.6515	21	9	42	Pass
6.8379	19	9	47	Pass
7.0243	18	8	44	Pass
7.2107	18	7	38	Pass
7.3971	17	7	41	Pass
7.5835	17	7	41	Pass
7.7699	17	7	41	Pass
7.9563	17	7	41	Pass
8.1427	15	6	40	Pass
8.3291	14	5	35	Pass
8.5155	12	5	41	Pass
8.7019	11	5	45	Pass
8.8883	10	5	50	Pass
9.0747	10	5	50	Pass
9.2611	9	5	55	Pass
9.4475	9	5	55	Pass
9.6339	9	5	55	Pass
9.8203	7	5	71	Pass
10.0067	7	5	71	Pass
10.1931	7	5	71	Pass
10.3795	7	5	71	Pass
10.5658	7	4	57	Pass
10.7522	7	4	57	Pass
10.9386	6	4	66	Pass
11.1250	6	4	66	Pass
11.3114	5	4	80	Pass
11.4978	5	3	60	Pass
11.6842	5	3	60	Pass
11.8706	5	3	60	Pass
12.0570	5	3	60	Pass
12.2434	5	3	60	Pass

12.4298	5	3	60	Pass
12.6162	5	3	60	Pass
12.8026	5	3	60	Pass
12.9890	5	3	60	Pass
13.1754	5	3	60	Pass
13.3618	5	3	60	Pass
13.5482	4	3	75	Pass
13.7346	4	3	75	Pass
13.9210	4	3	75	Pass
14.1074	4	3	75	Pass
14.2938	4	3	75	Pass
14.4802	4	3	75	Pass
14.6666	4	3	75	Pass
14.8530	4	3	75	Pass
15.0394	4	3	75	Pass
15.2257	4	3	75	Pass
15.4121	4	3	75	Pass
15.5985	4	3	75	Pass
15.7849	4	3	75	Pass
15.9713	3	3	100	Pass
16.1577	3	3	100	Pass
16.3441	3	3	100	Pass
16.5305	3	3	100	Pass
16.7169	3	3	100	Pass
16.9033	3	3	100	Pass
17.0897	3	3	100	Pass
17.2761	3	2	66	Pass
17.4625	3	2	66	Pass
17.6489	3	2	66	Pass
17.8353	3	2	66	Pass
18.0217	3	2	66	Pass
18.2081	3	2	66	Pass
18.3945	3	2	66	Pass
18.5809	3	2	66	Pass
18.7673	3	2	66	Pass
18.9537	3	2	66	Pass
19.1401	3	2	66	Pass
19.3265	3	2	66	Pass
19.5129	3	2	66	Pass
19.6993	3	2	66	Pass
19.8857	3	2	66	Pass
20.0720	3	2	66	Pass
20.2584	3	2	66	Pass

---

**Water Quality BMP Flow and Volume for POC #17**

On-line facility volume: 0 acre-feet

On-line facility target flow: 0 cfs.

Adjusted for 15 min: 0 cfs.

Off-line facility target flow: 0 cfs.

Adjusted for 15 min: 0 cfs.

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**LID Report**

LID Technique	Used for	Total Volume	Volume	Infiltration	Cumulative
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Percent Volume Infiltrated	Water Quality	Percent Treatment? Water Quality Treated	Comment Needs Treatment (ac-ft)	Through Facility (ac-ft)	Volume (ac-ft.)	Volume Infiltration Credit
U-Ditch POC 0.00		N	2280.45			N
Total Volume Infiltrated 0.00	0%	No Treat.	2280.45	0.00	0.00	0.00
Compliance with LID Standard 8						
Duration Analysis Result = Failed						

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**Stream Protection Duration**

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**Predeveloped Landuse Totals for POC #18**  
**Total Pervious Area:133.1**  
**Total Impervious Area:66.5**

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**Mitigated Landuse Totals for POC #18**  
**Total Pervious Area:106**  
**Total Impervious Area:93.6**

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**Flow Frequency Return Periods for Predeveloped. POC #18**

<u>Return Period</u>	<u>Flow(cfs)</u>
2 year	0.594039
5 year	0.812412
10 year	0.92119
25 year	1.026717
50 year	1.087355
100 year	1.136191

**Flow Frequency Return Periods for Mitigated. POC #18**

<u>Return Period</u>	<u>Flow(cfs)</u>
2 year	59.694834
5 year	92.861794
10 year	118.711429
25 year	156.000938
50 year	187.278485
100 year	221.67473

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**Stream Protection Duration**

**Annual Peaks for Predeveloped and Mitigated. POC #18**

<u>Year</u>	<u>Predeveloped</u>	<u>Mitigated</u>
1956	0.743	79.097
1957	0.439	97.195
1958	0.504	94.320
1959	0.644	54.583
1960	0.865	95.251
1961	0.778	73.966
1962	0.572	84.042
1963	1.154	104.303

1964	0.695	59.365
1965	0.580	65.279
1966	0.468	45.979
1967	0.474	44.969
1968	0.339	37.918
1969	0.445	54.905
1970	0.457	42.944
1971	0.750	65.001
1972	0.659	54.649
1973	0.712	39.465
1974	0.663	73.345
1975	0.717	128.877
1976	0.565	77.581
1977	0.307	50.857
1978	1.134	73.576
1979	0.570	45.193
1980	0.434	54.096
1981	0.470	61.026
1982	0.691	53.974
1983	0.592	69.008
1984	0.589	55.439
1985	0.330	49.156
1986	1.089	75.674
1987	0.640	68.886
1988	0.408	51.557
1989	0.262	23.798
1990	1.032	49.560
1991	0.444	60.087
1992	0.358	46.054
1993	0.451	51.075
1994	0.390	30.224
1995	0.784	88.545
1996	0.948	97.927
1997	0.627	50.446
1998	0.624	128.275
1999	0.572	30.265
2000	0.596	55.652
2001	0.079	15.132
2002	0.254	148.059
2003	0.409	107.145
2004	0.412	21.587
2005	0.364	396.124
2006	0.576	51.622
2007	0.927	72.473
2008	1.036	50.968
2009	0.854	60.875

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**Stream Protection Duration**

**Ranked Annual Peaks for Predeveloped and Mitigated. POC #18**

<b>Rank</b>	<b>Predeveloped</b>	<b>Mitigated</b>
1	1.1542	396.1240
2	1.1339	148.0590
3	1.0886	128.8770
4	1.0357	128.2750
5	1.0322	107.1450
6	0.9478	104.3030

7	0.9271	97.9271
8	0.8653	97.1952
9	0.8536	95.2511
10	0.7837	94.3204
11	0.7777	88.5451
12	0.7499	84.0422
13	0.7434	79.0965
14	0.7172	77.5807
15	0.7123	75.6742
16	0.6951	73.9659
17	0.6911	73.5755
18	0.6630	73.3451
19	0.6593	72.4732
20	0.6439	69.0077
21	0.6396	68.8864
22	0.6265	65.2790
23	0.6235	65.0013
24	0.5961	61.0261
25	0.5923	60.8752
26	0.5886	60.0874
27	0.5803	59.3647
28	0.5758	55.6522
29	0.5723	55.4387
30	0.5716	54.9047
31	0.5698	54.6494
32	0.5646	54.5826
33	0.5037	54.0962
34	0.4738	53.9735
35	0.4704	51.6216
36	0.4676	51.5569
37	0.4570	51.0745
38	0.4506	50.9675
39	0.4449	50.8572
40	0.4438	50.4455
41	0.4393	49.5595
42	0.4341	49.1561
43	0.4121	46.0541
44	0.4090	45.9790
45	0.4076	45.1930
46	0.3899	44.9689
47	0.3636	42.9435
48	0.3584	39.4646
49	0.3386	37.9182
50	0.3296	30.2650
51	0.3069	30.2241
52	0.2621	23.7982
53	0.2538	21.5866
54	0.0791	15.1324

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**Stream Protection Duration**

**POC #18**

**The Facility FAILED**

**Facility FAILED duration standard for 1+ flows.**

**Flow(cfs) Predev Mit Percentage Pass/Fail**

0.2970	27380	522418	1908	Fail
0.3050	25524	517116	2025	Fail
0.3130	24010	512761	2135	Fail
0.3210	22419	507648	2264	Fail
0.3290	20961	502725	2398	Fail
0.3369	19598	497992	2541	Fail
0.3449	18316	493258	2693	Fail
0.3529	17146	488524	2849	Fail
0.3609	16112	484169	3005	Fail
0.3689	15095	479625	3177	Fail
0.3769	14114	475459	3368	Fail
0.3848	13236	471104	3559	Fail
0.3928	12427	467127	3758	Fail
0.4008	11588	463151	3996	Fail
0.4088	10818	459175	4244	Fail
0.4168	10066	455198	4522	Fail
0.4248	9354	451411	4825	Fail
0.4327	8710	447814	5141	Fail
0.4407	8131	444027	5460	Fail
0.4487	7599	440429	5795	Fail
0.4567	7114	437021	6143	Fail
0.4647	6758	433612	6416	Fail
0.4726	6358	430015	6763	Fail
0.4806	5961	426796	7159	Fail
0.4886	5605	423387	7553	Fail
0.4966	5258	420169	7991	Fail
0.5046	4969	417139	8394	Fail
0.5126	4690	413920	8825	Fail
0.5205	4433	410890	9268	Fail
0.5285	4202	407671	9701	Fail
0.5365	3921	404642	10319	Fail
0.5445	3675	401612	10928	Fail
0.5525	3437	398772	11602	Fail
0.5605	3192	395932	12403	Fail
0.5684	2973	392902	13215	Fail
0.5764	2772	390251	14078	Fail
0.5844	2590	387411	14957	Fail
0.5924	2395	384571	16057	Fail
0.6004	2244	381920	17019	Fail
0.6084	2104	379269	18026	Fail
0.6163	1969	376618	19127	Fail
0.6243	1848	373967	20236	Fail
0.6323	1744	371505	21301	Fail
0.6403	1638	368855	22518	Fail
0.6483	1548	366393	23668	Fail
0.6563	1450	363931	25098	Fail
0.6642	1362	361470	26539	Fail
0.6722	1289	359198	27866	Fail
0.6802	1214	356736	29385	Fail
0.6882	1142	354464	31038	Fail
0.6962	1071	352192	32884	Fail
0.7042	1016	349730	34422	Fail
0.7121	954	347458	36421	Fail
0.7201	920	345375	37540	Fail
0.7281	880	343103	38988	Fail
0.7361	839	341020	40646	Fail
0.7441	794	338748	42663	Fail

0.7521	772	336665	43609	Fail
0.7600	738	334582	45336	Fail
0.7680	715	332499	46503	Fail
0.7760	684	330416	48306	Fail
0.7840	659	328712	49880	Fail
0.7920	637	326629	51276	Fail
0.8000	601	324547	54001	Fail
0.8079	574	322653	56211	Fail
0.8159	547	320570	58605	Fail
0.8239	517	318677	61639	Fail
0.8319	485	316783	65316	Fail
0.8399	458	314890	68753	Fail
0.8479	421	312996	74345	Fail
0.8558	394	311292	79008	Fail
0.8638	366	309399	84535	Fail
0.8718	340	307505	90442	Fail
0.8798	326	305801	93803	Fail
0.8878	313	304097	97155	Fail
0.8958	299	302203	101071	Fail
0.9037	283	300499	106183	Fail
0.9117	268	298795	111490	Fail
0.9197	254	297091	116964	Fail
0.9277	230	295576	128511	Fail
0.9357	217	293872	135424	Fail
0.9437	200	292168	146084	Fail
0.9516	182	290653	159699	Fail
0.9596	170	289138	170081	Fail
0.9676	162	287434	177428	Fail
0.9756	151	285919	189350	Fail
0.9836	145	284404	196140	Fail
0.9916	135	282889	209547	Fail
0.9995	128	281375	219824	Fail
1.0075	112	279860	249875	Fail
1.0155	100	278345	278345	Fail
1.0235	85	276830	325682	Fail
1.0315	72	275505	382645	Fail
1.0395	63	273990	434904	Fail
1.0474	57	272475	478026	Fail
1.0554	53	271150	511603	Fail
1.0634	47	269635	573691	Fail
1.0714	43	268310	623976	Fail
1.0794	37	266984	721578	Fail
1.0874	31	265659	856964	Fail

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The development has an increase in flow durations from 1/2 Predeveloped 2 year flow to the 2 year flow or more than a 10% increase from the 2 year to the 50 year flow.

The development has an increase in flow durations for more than 50% of the flows for the range of the duration analysis.

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**Water Quality BMP Flow and Volume for POC #18**

On-line facility volume: 0 acre-feet

On-line facility target flow: 0 cfs.

Adjusted for 15 min: 0 cfs.

Off-line facility target flow: 0 cfs.

Adjusted for 15 min: 0 cfs.



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**LID Report**

LID Technique	Used for	Total Volume	Volume	Infiltration	Cumulative
Percent	Water Quality	Percent	Through	Volume	Volume
Volume	Treatment?	Needs	Facility	(ac-ft.)	Infiltration
Infiltrated	Water Quality	Treatment	(ac-ft)		Credit
	Treated	(ac-ft)	(ac-ft)		
77 Pump POC	N	24743.44			N 0.53
U-Ditch	N	2280.45			N
0.00					
Total Volume Infiltrated		27023.89	0.00	0.00	0.48
0.00	0%	No Treat.	Credit		
Compliance with LID Standard 8					
Duration Analysis Result = Failed					

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**Stream Protection Duration**

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**Predeveloped Landuse Totals for POC #19**

**Total Pervious Area:133.1**

**Total Impervious Area:66.5**

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**Mitigated Landuse Totals for POC #19**

**Total Pervious Area:106**

**Total Impervious Area:93.6**

---

**Flow Frequency Return Periods for Predeveloped. POC #19**

<u>Return Period</u>	<u>Flow(cfs)</u>
2 year	34.116887
5 year	37.770814
10 year	39.345261
25 year	40.756809
50 year	41.524017
100 year	42.121161

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**Flow Frequency Return Periods for Mitigated. POC #19**

<u>Return Period</u>	<u>Flow(cfs)</u>
2 year	35.733469
5 year	37.931155
10 year	38.850837
25 year	39.66251
50 year	40.098795
100 year	40.43607

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**Stream Protection Duration**

**Annual Peaks for Predeveloped and Mitigated. POC #19**

<u>Year</u>	<u>Predeveloped</u>	<u>Mitigated</u>
1956	36.598	37.473
1957	35.187	35.753

1958	34.931	35.599
1959	36.042	37.880
1960	37.716	37.686
1961	36.379	37.579
1962	36.089	36.511
1963	39.145	39.091
1964	36.320	37.278
1965	32.768	34.438
1966	28.244	31.077
1967	34.356	36.137
1968	30.668	33.513
1969	30.483	33.496
1970	32.142	33.839
1971	34.185	35.842
1972	34.640	36.420
1973	35.427	37.213
1974	35.466	37.611
1975	35.468	36.659
1976	32.079	34.301
1977	30.009	32.255
1978	38.774	39.026
1979	33.646	35.324
1980	32.779	33.808
1981	33.110	34.836
1982	35.923	37.156
1983	34.204	36.275
1984	35.093	37.388
1985	30.896	33.205
1986	38.846	38.845
1987	34.986	35.314
1988	30.230	32.194
1989	26.457	30.197
1990	38.743	38.899
1991	31.189	34.891
1992	28.847	32.670
1993	30.607	32.314
1994	29.153	31.272
1995	35.962	37.514
1996	38.350	38.962
1997	35.444	36.601
1998	35.279	36.656
1999	33.460	35.514
2000	34.290	36.468
2001	15.503	24.635
2002	33.419	33.452
2003	32.091	33.161
2004	22.978	28.791
2005	34.056	34.068
2006	33.216	35.798
2007	37.080	38.882
2008	38.637	38.912
2009	37.597	38.405

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**Stream Protection Duration**

**Ranked Annual Peaks for Predeveloped and Mitigated. POC #19**

**Rank            Predeveloped            Mitigated**

1	39.1450	39.0913
2	38.8462	39.0258
3	38.7742	38.9619
4	38.7425	38.9120
5	38.6365	38.8988
6	38.3504	38.8817
7	37.7157	38.8451
8	37.5967	38.4048
9	37.0802	37.8798
10	36.5978	37.6864
11	36.3794	37.6111
12	36.3195	37.5794
13	36.0892	37.5136
14	36.0420	37.4733
15	35.9623	37.3877
16	35.9227	37.2778
17	35.4681	37.2132
18	35.4659	37.1560
19	35.4437	36.6590
20	35.4273	36.6558
21	35.2785	36.6011
22	35.1868	36.5114
23	35.0933	36.4675
24	34.9864	36.4195
25	34.9307	36.2751
26	34.6402	36.1370
27	34.3561	35.8415
28	34.2897	35.7981
29	34.2040	35.7527
30	34.1845	35.5989
31	34.0564	35.5139
32	33.6455	35.3238
33	33.4600	35.3142
34	33.4186	34.8914
35	33.2159	34.8356
36	33.1096	34.4379
37	32.7787	34.3014
38	32.7676	34.0675
39	32.1423	33.8390
40	32.0914	33.8075
41	32.0788	33.5134
42	31.1894	33.4958
43	30.8960	33.4516
44	30.6684	33.2052
45	30.6074	33.1612
46	30.4827	32.6703
47	30.2300	32.3139
48	30.0091	32.2550
49	29.1525	32.1943
50	28.8470	31.2715
51	28.2441	31.0772
52	26.4565	30.1966
53	22.9780	28.7908
54	15.5026	24.6354

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**Stream Protection Duration**

POC #19

The Facility FAILED

Facility FAILED duration standard for 1+ flows.

Flow(cfs)	Predev	Mit	Percentage	Pass/Fail
17.0584	15366	25259	164	Fail
17.3056	14695	24350	165	Fail
17.5527	14054	23479	167	Fail
17.7998	13468	22703	168	Fail
18.0470	12870	21908	170	Fail
18.2941	12334	21169	171	Fail
18.5412	11795	20431	173	Fail
18.7883	11336	19730	174	Fail
19.0355	10850	19068	175	Fail
19.2826	10392	18339	176	Fail
19.5297	10017	17746	177	Fail
19.7768	9610	17125	178	Fail
20.0240	9238	16542	179	Fail
20.2711	8865	16006	180	Fail
20.5182	8557	15517	181	Fail
20.7653	8237	14957	181	Fail
21.0125	7915	14451	182	Fail
21.2596	7610	13987	183	Fail
21.5067	7316	13504	184	Fail
21.7539	7061	13065	185	Fail
22.0010	6811	12647	185	Fail
22.2481	6563	12262	186	Fail
22.4952	6319	11878	187	Fail
22.7424	6108	11554	189	Fail
22.9895	5925	11253	189	Fail
23.2366	5724	10908	190	Fail
23.4837	5538	10564	190	Fail
23.7309	5366	10253	191	Fail
23.9780	5192	9996	192	Fail
24.2251	5027	9727	193	Fail
24.4723	4870	9479	194	Fail
24.7194	4736	9235	194	Fail
24.9665	4586	8992	196	Fail
25.2136	4454	8773	196	Fail
25.4608	4330	8540	197	Fail
25.7079	4207	8320	197	Fail
25.9550	4098	8116	198	Fail
26.2021	3990	7932	198	Fail
26.4493	3887	7744	199	Fail
26.6964	3774	7532	199	Fail
26.9435	3664	7315	199	Fail
27.1907	3545	7103	200	Fail
27.4378	3431	6913	201	Fail
27.6849	3325	6692	201	Fail
27.9320	3217	6476	201	Fail
28.1792	3092	6247	202	Fail
28.4263	2988	6021	201	Fail
28.6734	2857	5807	203	Fail
28.9205	2730	5559	203	Fail
29.1677	2626	5353	203	Fail
29.4148	2496	5139	205	Fail

29.6619	2397	4917	205	Fail
29.9090	2280	4715	206	Fail
30.1562	2176	4489	206	Fail
30.4033	2070	4266	206	Fail
30.6504	1982	4052	204	Fail
30.8976	1905	3838	201	Fail
31.1447	1817	3649	200	Fail
31.3918	1726	3431	198	Fail
31.6389	1649	3249	197	Fail
31.8861	1565	3066	195	Fail
32.1332	1486	2888	194	Fail
32.3803	1411	2729	193	Fail
32.6274	1336	2573	192	Fail
32.8746	1258	2407	191	Fail
33.1217	1181	2261	191	Fail
33.3688	1106	2109	190	Fail
33.6160	1026	1977	192	Fail
33.8631	949	1849	194	Fail
34.1102	867	1729	199	Fail
34.3573	788	1615	204	Fail
34.6045	714	1493	209	Fail
34.8516	647	1377	212	Fail
35.0987	588	1268	215	Fail
35.3458	532	1150	216	Fail
35.5930	476	1038	218	Fail
35.8401	423	921	217	Fail
36.0872	381	816	214	Fail
36.3343	346	709	204	Fail
36.5815	314	617	196	Fail
36.8286	285	532	186	Fail
37.0757	254	445	175	Fail
37.3229	224	375	167	Fail
37.5700	192	310	161	Fail
37.8171	159	254	159	Fail
38.0642	127	207	162	Fail
38.3114	91	159	174	Fail
38.5585	54	107	198	Fail
38.8056	18	47	261	Fail
39.0527	5	3	60	Pass
39.2999	0	0	60	Pass
39.5470	0	0	0	Pass
39.7941	0	0	0	Pass
40.0413	0	0	0	Pass
40.2884	0	0	0	Pass
40.5355	0	0	0	Pass
40.7826	0	0	0	Pass
41.0298	0	0	0	Pass
41.2769	0	0	0	Pass
41.5240	0	0	0	Pass

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The development has an increase in flow durations from 1/2 Predeveloped 2 year flow to the 2 year flow or more than a 10% increase from the 2 year to the 50 year flow.

The development has an increase in flow durations for more than 50% of the flows for the range of the duration analysis.

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Water Quality BMP Flow and Volume for POC #19  
 On-line facility volume: 0 acre-feet  
 On-line facility target flow: 0 cfs.  
 Adjusted for 15 min: 0 cfs.  
 Off-line facility target flow: 0 cfs.  
 Adjusted for 15 min: 0 cfs.

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**LID Report**

LID Technique Percent Volume Infiltrated	Water Quality	Used for Percent Treatment? Water Quality Treated	Total Volume Comment Needs Treatment (ac-ft)	Volume Through Facility (ac-ft)	Infiltration Volume (ac-ft.)	Cumulative Volume Infiltration Credit
Wet Pond POC		N	24599.96			N 0.00
77 Pump		N	24743.44			N
0.53						
U-Ditch		N	2280.45			N
0.00						
Total Volume Infiltrated			51623.85	0.00	0.00	0.25
0.00	0%	No Treat.	Credit			
Compliance with LID Standard 8						
Duration Analysis Result = Failed						

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**Stream Protection Duration**

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**Predeveloped Landuse Totals for POC #20**  
 Total Pervious Area:0.001  
 Total Impervious Area:0

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**Mitigated Landuse Totals for POC #20**  
 Total Pervious Area:0  
 Total Impervious Area:12.6

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**Flow Frequency Return Periods for Predeveloped. POC #20**

<u>Return Period</u>	<u>Flow(cfs)</u>
2 year	0.000083
5 year	0.000174
10 year	0.000245
25 year	0.000343
50 year	0.000418
100 year	0.000496

**Flow Frequency Return Periods for Mitigated. POC #20**

<u>Return Period</u>	<u>Flow(cfs)</u>
2 year	6.565815
5 year	9.524341
10 year	11.711703
25 year	14.739731
50 year	17.190847

100 year

19.812652

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**Stream Protection Duration  
Annual Peaks for Predeveloped and Mitigated. POC #20**

<b>Year</b>	<b>Predeveloped</b>	<b>Mitigated</b>
1956	0.000	7.645
1957	0.000	9.531
1958	0.000	9.060
1959	0.000	6.282
1960	0.000	8.999
1961	0.000	9.151
1962	0.000	7.666
1963	0.000	9.836
1964	0.000	6.601
1965	0.000	7.330
1966	0.000	6.165
1967	0.000	5.205
1968	0.000	4.900
1969	0.000	5.945
1970	0.000	4.721
1971	0.000	6.208
1972	0.000	6.895
1973	0.000	4.512
1974	0.000	7.526
1975	0.000	12.320
1976	0.000	7.541
1977	0.000	5.981
1978	0.000	9.550
1979	0.000	4.990
1980	0.000	6.081
1981	0.000	7.385
1982	0.000	5.626
1983	0.000	7.367
1984	0.000	5.642
1985	0.000	6.562
1986	0.000	7.090
1987	0.000	7.521
1988	0.000	5.674
1989	0.000	2.898
1990	0.000	5.475
1991	0.000	6.476
1992	0.000	6.194
1993	0.000	5.591
1994	0.000	3.966
1995	0.000	8.839
1996	0.000	9.874
1997	0.000	6.038
1998	0.000	12.359
1999	0.000	3.689
2000	0.000	6.809
2001	0.000	1.999
2002	0.000	13.133
2003	0.000	13.459
2004	0.000	2.691
2005	0.001	31.644
2006	0.000	5.372

2007	0.000	7.397
2008	0.000	5.276
2009	0.000	6.665

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**Stream Protection Duration**

**Ranked Annual Peaks for Predeveloped and Mitigated. POC #20**

<b>Rank</b>	<b>Predeveloped</b>	<b>Mitigated</b>
1	0.0013	31.6441
2	0.0004	13.4593
3	0.0003	13.1326
4	0.0002	12.3594
5	0.0002	12.3200
6	0.0002	9.8738
7	0.0002	9.8357
8	0.0002	9.5505
9	0.0002	9.5312
10	0.0002	9.1515
11	0.0002	9.0604
12	0.0002	8.9987
13	0.0001	8.8393
14	0.0001	7.6662
15	0.0001	7.6455
16	0.0001	7.5409
17	0.0001	7.5262
18	0.0001	7.5212
19	0.0001	7.3969
20	0.0001	7.3854
21	0.0001	7.3674
22	0.0001	7.3301
23	0.0001	7.0897
24	0.0001	6.8947
25	0.0001	6.8090
26	0.0001	6.6646
27	0.0001	6.6009
28	0.0001	6.5624
29	0.0001	6.4758
30	0.0001	6.2816
31	0.0001	6.2082
32	0.0001	6.1943
33	0.0001	6.1647
34	0.0001	6.0813
35	0.0001	6.0377
36	0.0001	5.9811
37	0.0001	5.9454
38	0.0000	5.6744
39	0.0000	5.6423
40	0.0000	5.6261
41	0.0000	5.5910
42	0.0000	5.4754
43	0.0000	5.3716
44	0.0000	5.2763
45	0.0000	5.2055
46	0.0000	4.9899
47	0.0000	4.8999
48	0.0000	4.7215
49	0.0000	4.5118



50	0.0000	3.9662
51	0.0000	3.6891
52	0.0000	2.8981
53	0.0000	2.6911
54	0.0000	1.9993

**Stream Protection Duration**

**POC #20**

**The Facility FAILED**

**Facility FAILED duration standard for 1+ flows.**

Flow(cfs)	Predev	Mit	Percentage	Pass/Fail
0.0000	3901	1044078	26764	Fail
0.0000	2746	1044078	38021	Fail
0.0000	1842	1040859	56507	Fail
0.0001	1398	1031392	73776	Fail
0.0001	989	1019652	103099	Fail
0.0001	800	1008859	126107	Fail
0.0001	674	998634	148165	Fail
0.0001	580	989166	170545	Fail
0.0001	516	982539	190414	Fail
0.0001	439	974018	221871	Fail
0.0001	316	966066	305717	Fail
0.0001	258	958492	371508	Fail
0.0001	217	951296	438385	Fail
0.0001	194	946184	487723	Fail
0.0001	166	939746	566112	Fail
0.0001	140	933308	666648	Fail
0.0001	106	927438	874941	Fail
0.0001	86	921568	1071590	Fail
0.0001	67	917403	1369258	Fail
0.0001	48	912101	1900210	Fail
0.0001	44	906799	2060906	Fail
0.0001	40	901876	2254690	Fail
0.0001	38	897142	2360900	Fail
0.0001	34	893545	2628073	Fail
0.0001	30	889000	2963333	Fail
0.0001	27	884645	3276462	Fail
0.0001	26	880479	3386457	Fail
0.0001	26	876314	3370438	Fail
0.0001	24	873284	3638683	Fail
0.0002	21	869308	4139561	Fail
0.0002	19	865521	4555373	Fail
0.0002	19	861923	4536436	Fail
0.0002	19	858325	4517500	Fail
0.0002	17	854728	5027811	Fail
0.0002	17	852266	5013329	Fail
0.0002	17	848858	4993282	Fail
0.0002	17	845450	4973235	Fail
0.0002	16	842420	5265125	Fail
0.0002	16	839201	5245006	Fail
0.0002	13	836929	6437915	Fail
0.0002	13	833899	6414607	Fail
0.0002	13	831059	6392761	Fail
0.0002	11	828219	7529263	Fail

0.0002	11	825378	7503436	Fail
0.0002	10	823296	8232960	Fail
0.0002	10	820645	8206450	Fail
0.0002	9	817994	9088822	Fail
0.0002	9	815343	9059366	Fail
0.0002	8	812881	10161012	Fail
0.0002	7	810988	11585542	Fail
0.0002	7	808526	11550371	Fail
0.0002	7	806065	11515214	Fail
0.0002	7	803792	11482742	Fail
0.0002	7	801520	11450285	Fail
0.0002	7	799816	11425942	Fail
0.0003	7	797544	11393485	Fail
0.0003	7	795272	11361028	Fail
0.0003	7	793189	11331271	Fail
0.0003	7	791106	11301514	Fail
0.0003	6	789591	13159850	Fail
0.0003	5	787508	15750159	Fail
0.0003	5	785425	15708500	Fail
0.0003	5	783532	15670640	Fail
0.0003	5	781638	15632759	Fail
0.0003	5	780124	15602480	Fail
0.0003	5	778230	15564600	Fail
0.0003	5	776337	15526740	Fail
0.0003	5	774632	15492640	Fail
0.0003	4	772739	19318475	Fail
0.0003	4	771414	19285350	Fail
0.0003	4	769520	19238000	Fail
0.0003	4	767816	19195400	Fail
0.0003	4	766112	19152800	Fail
0.0003	4	764408	19110200	Fail
0.0003	4	763271	19081775	Fail
0.0003	4	761567	19039175	Fail
0.0003	4	759863	18996575	Fail
0.0003	4	758348	18958700	Fail
0.0003	4	756834	18920850	Fail
0.0003	4	755508	18887700	Fail
0.0003	4	753993	18849825	Fail
0.0003	4	752478	18811950	Fail
0.0004	4	750964	18774100	Fail
0.0004	4	749638	18740950	Fail
0.0004	4	748502	18712550	Fail
0.0004	4	746987	18674675	Fail
0.0004	4	745473	18636825	Fail
0.0004	4	744147	18603675	Fail
0.0004	4	742822	18570550	Fail
0.0004	3	741686	24722866	Fail
0.0004	3	740360	24678666	Fail
0.0004	3	739035	24634500	Fail
0.0004	3	737709	24590300	Fail
0.0004	3	736384	24546133	Fail
0.0004	3	735248	24508266	Fail
0.0004	3	734112	24470400	Fail
0.0004	3	732786	24426200	Fail
0.0004	2	731461	36573050	Fail
0.0004	2	730135	36506750	Fail
0.0004	2	728999	36449950	Fail

The development has an increase in flow durations from 1/2 Predeveloped 2 year flow to the 2 year flow or more than a 10% increase from the 2 year to the 50 year flow.

The development has an increase in flow durations for more than 50% of the flows for the range of the duration analysis.

**Water Quality BMP Flow and Volume for POC #20**

On-line facility volume: 0 acre-feet  
 On-line facility target flow: 0 cfs.  
 Adjusted for 15 min: 0 cfs.  
 Off-line facility target flow: 0 cfs.  
 Adjusted for 15 min: 0 cfs.

**LID Report**

LID Technique	Used for	Total Volume	Volume	Infiltration	Cumulative
Percent	Water Quality	Percent	Through	Volume	Volume
Volume	Treatment?	Needs	Facility	(ac-ft.)	Infiltration
Infiltrated	Water Quality	Treatment	(ac-ft)		Credit
	Treated	(ac-ft)	(ac-ft)		
Total Volume Infiltrated		0.00	0.00	0.00	0.00
0.00	0%	No Treat.	Credit		
Compliance with LID Standard 8					
Duration Analysis Result = Failed					

**Stream Protection Duration**

**Predeveloped Landuse Totals for POC #21**

Total Pervious Area:0.001  
 Total Impervious Area:0

**Mitigated Landuse Totals for POC #21**

Total Pervious Area:0  
 Total Impervious Area:9.5

**Flow Frequency Return Periods for Predeveloped. POC #21**

<u>Return Period</u>	<u>Flow(cfs)</u>
2 year	0.000083
5 year	0.000174
10 year	0.000245
25 year	0.000343
50 year	0.000418
100 year	0.000496

**Flow Frequency Return Periods for Mitigated. POC #21**

<u>Return Period</u>	<u>Flow(cfs)</u>
2 year	4.950417
5 year	7.181051

<b>10 year</b>	8.830253
<b>25 year</b>	11.113289
<b>50 year</b>	12.961352
<b>100 year</b>	14.938109

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**Stream Protection Duration**

**Annual Peaks for Predeveloped and Mitigated. POC #21**

<u>Year</u>	<u>Predeveloped</u>	<u>Mitigated</u>
1956	0.000	5.764
1957	0.000	7.186
1958	0.000	6.831
1959	0.000	4.736
1960	0.000	6.785
1961	0.000	6.900
1962	0.000	5.780
1963	0.000	7.416
1964	0.000	4.977
1965	0.000	5.527
1966	0.000	4.648
1967	0.000	3.925
1968	0.000	3.694
1969	0.000	4.483
1970	0.000	3.560
1971	0.000	4.681
1972	0.000	5.198
1973	0.000	3.402
1974	0.000	5.675
1975	0.000	9.289
1976	0.000	5.686
1977	0.000	4.510
1978	0.000	7.201
1979	0.000	3.762
1980	0.000	4.585
1981	0.000	5.568
1982	0.000	4.242
1983	0.000	5.555
1984	0.000	4.254
1985	0.000	4.948
1986	0.000	5.345
1987	0.000	5.671
1988	0.000	4.278
1989	0.000	2.185
1990	0.000	4.128
1991	0.000	4.883
1992	0.000	4.670
1993	0.000	4.215
1994	0.000	2.990
1995	0.000	6.665
1996	0.000	7.445
1997	0.000	4.552
1998	0.000	9.319
1999	0.000	2.781
2000	0.000	5.134
2001	0.000	1.507
2002	0.000	9.902
2003	0.000	10.148

2004	0.000	2.029
2005	0.001	23.859
2006	0.000	4.050
2007	0.000	5.577
2008	0.000	3.978
2009	0.000	5.025

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**Stream Protection Duration**

**Ranked Annual Peaks for Predeveloped and Mitigated. POC #21**

<b>Rank</b>	<b>Predeveloped</b>	<b>Mitigated</b>
1	0.0013	23.8586
2	0.0004	10.1479
3	0.0003	9.9016
4	0.0002	9.3186
5	0.0002	9.2889
6	0.0002	7.4445
7	0.0002	7.4158
8	0.0002	7.2007
9	0.0002	7.1862
10	0.0002	6.8999
11	0.0002	6.8312
12	0.0002	6.7847
13	0.0001	6.6646
14	0.0001	5.7801
15	0.0001	5.7645
16	0.0001	5.6856
17	0.0001	5.6745
18	0.0001	5.6707
19	0.0001	5.5770
20	0.0001	5.5684
21	0.0001	5.5548
22	0.0001	5.5267
23	0.0001	5.3454
24	0.0001	5.1984
25	0.0001	5.1338
26	0.0001	5.0249
27	0.0001	4.9769
28	0.0001	4.9478
29	0.0001	4.8825
30	0.0001	4.7361
31	0.0001	4.6808
32	0.0001	4.6703
33	0.0001	4.6480
34	0.0001	4.5851
35	0.0001	4.5523
36	0.0001	4.5095
37	0.0001	4.4827
38	0.0000	4.2784
39	0.0000	4.2541
40	0.0000	4.2419
41	0.0000	4.2155
42	0.0000	4.1282
43	0.0000	4.0500
44	0.0000	3.9782
45	0.0000	3.9248
46	0.0000	3.7622

47	0.0000	3.6944
48	0.0000	3.5598
49	0.0000	3.4018
50	0.0000	2.9904
51	0.0000	2.7814
52	0.0000	2.1851
53	0.0000	2.0290
54	0.0000	1.5074

**Stream Protection Duration**

**POC #21**

**The Facility FAILED**

**Facility FAILED duration standard for 1+ flows.**

Flow(cfs)	Predev	Mit	Percentage	Pass/Fail
0.0000	3901	1024386	26259	Fail
0.0000	2746	1009616	36766	Fail
0.0000	1842	996362	54091	Fail
0.0001	1398	987084	70606	Fail
0.0001	989	975533	98638	Fail
0.0001	800	964930	120616	Fail
0.0001	674	955083	141703	Fail
0.0001	580	945805	163069	Fail
0.0001	516	939367	182047	Fail
0.0001	439	931225	212124	Fail
0.0001	316	923273	292175	Fail
0.0001	258	915888	354995	Fail
0.0001	217	908882	418839	Fail
0.0001	194	903959	465958	Fail
0.0001	166	897521	540675	Fail
0.0001	140	891462	636758	Fail
0.0001	106	885402	835284	Fail
0.0001	86	879911	1023152	Fail
0.0001	67	875746	1307083	Fail
0.0001	48	870444	1813425	Fail
0.0001	44	865331	1966661	Fail
0.0001	40	860598	2151495	Fail
0.0001	38	855864	2252273	Fail
0.0001	34	852456	2507223	Fail
0.0001	30	847911	2826370	Fail
0.0001	27	843556	3124281	Fail
0.0001	26	839390	3228423	Fail
0.0001	26	835414	3213130	Fail
0.0001	24	832574	3469058	Fail
0.0002	21	828597	3945700	Fail
0.0002	19	825000	4342105	Fail
0.0002	19	821402	4323168	Fail
0.0002	19	817804	4304231	Fail
0.0002	17	814396	4790564	Fail
0.0002	17	811935	4776088	Fail
0.0002	17	808716	4757152	Fail
0.0002	17	805497	4738217	Fail
0.0002	16	802467	5015418	Fail
0.0002	16	799437	4996481	Fail
0.0002	13	797165	6132038	Fail

0.0002	13	794325	6110192	Fail
0.0002	13	791485	6088346	Fail
0.0002	11	788644	7169490	Fail
0.0002	11	785994	7145400	Fail
0.0002	10	784100	7841000	Fail
0.0002	10	781449	7814490	Fail
0.0002	9	778988	8655422	Fail
0.0002	9	776526	8628066	Fail
0.0002	8	774064	9675800	Fail
0.0002	7	772171	11031014	Fail
0.0002	7	769899	10998557	Fail
0.0002	7	767627	10966100	Fail
0.0002	7	765354	10933628	Fail
0.0002	7	763082	10901171	Fail
0.0002	7	761378	10876828	Fail
0.0003	7	759295	10847071	Fail
0.0003	7	757212	10817314	Fail
0.0003	7	755129	10787557	Fail
0.0003	7	753047	10757814	Fail
0.0003	6	751532	12525533	Fail
0.0003	5	749638	14992759	Fail
0.0003	5	747745	14954900	Fail
0.0003	5	745851	14917020	Fail
0.0003	5	743958	14879159	Fail
0.0003	5	742443	14848859	Fail
0.0003	5	740739	14814780	Fail
0.0003	5	738845	14776900	Fail
0.0003	5	737141	14742820	Fail
0.0003	4	735437	18385925	Fail
0.0003	4	734112	18352800	Fail
0.0003	4	732407	18310175	Fail
0.0003	4	730703	18267575	Fail
0.0003	4	728999	18224975	Fail
0.0003	4	727484	18187100	Fail
0.0003	4	726159	18153975	Fail
0.0003	4	724644	18116100	Fail
0.0003	4	723129	18078225	Fail
0.0003	4	721614	18040350	Fail
0.0003	4	719910	17997750	Fail
0.0003	4	718963	17974075	Fail
0.0003	4	717449	17936225	Fail
0.0003	4	715934	17898350	Fail
0.0004	4	714419	17860475	Fail
0.0004	4	713094	17827350	Fail
0.0004	4	711958	17798950	Fail
0.0004	4	710632	17765800	Fail
0.0004	4	709307	17732675	Fail
0.0004	4	707792	17694800	Fail
0.0004	4	706466	17661650	Fail
0.0004	3	705520	23517333	Fail
0.0004	3	704194	23473133	Fail
0.0004	3	702869	23428966	Fail
0.0004	3	701543	23384766	Fail
0.0004	3	700218	23340600	Fail
0.0004	3	699271	23309033	Fail
0.0004	3	698135	23271166	Fail
0.0004	3	696809	23226966	Fail

0.0004	2	695673	34783650	Fail
0.0004	2	694348	34717400	Fail
0.0004	2	693212	34660600	Fail

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The development has an increase in flow durations from 1/2 Predeveloped 2 year flow to the 2 year flow or more than a 10% increase from the 2 year to the 50 year flow.

The development has an increase in flow durations for more than 50% of the flows for the range of the duration analysis.

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**Water Quality BMP Flow and Volume for POC #21**

On-line facility volume: 0 acre-feet  
 On-line facility target flow: 0 cfs.  
 Adjusted for 15 min: 0 cfs.  
 Off-line facility target flow: 0 cfs.  
 Adjusted for 15 min: 0 cfs.

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**LID Report**

LID Technique	Used for	Total Volume	Volume	Infiltration	Cumulative
Percent	Water Quality	Percent	Through	Volume	Volume
Volume	Treatment?	Needs	Facility	(ac-ft.)	Infiltration
Infiltrated	Water Quality	Treatment	(ac-ft)		Credit
	Treated	(ac-ft)	(ac-ft)		
Total Volume Infiltrated		0.00	0.00	0.00	0.00
0.00	0%	No Treat.	Credit		
Compliance with LID Standard 8					
Duration Analysis Result = Failed					

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**Stream Protection Duration**

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**Predeveloped Landuse Totals for POC #22**

Total Pervious Area:0.001  
 Total Impervious Area:0

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**Mitigated Landuse Totals for POC #22**

Total Pervious Area:0  
 Total Impervious Area:5

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**Flow Frequency Return Periods for Predeveloped. POC #22**

<u>Return Period</u>	<u>Flow(cfs)</u>
2 year	0.000083
5 year	0.000174
10 year	0.000245
25 year	0.000343
50 year	0.000418
100 year	0.000496

**Flow Frequency Return Periods for Mitigated. POC #22**



<u>Return Period</u>	<u>Flow(cfs)</u>
2 year	2.605483
5 year	3.779503
10 year	4.647505
25 year	5.849106
50 year	6.821773
100 year	7.862174

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**Stream Protection Duration**

**Annual Peaks for Predeveloped and Mitigated. POC #22**

<u>Year</u>	<u>Predeveloped</u>	<u>Mitigated</u>
1956	0.000	3.034
1957	0.000	3.782
1958	0.000	3.595
1959	0.000	2.493
1960	0.000	3.571
1961	0.000	3.632
1962	0.000	3.042
1963	0.000	3.903
1964	0.000	2.619
1965	0.000	2.909
1966	0.000	2.446
1967	0.000	2.066
1968	0.000	1.944
1969	0.000	2.359
1970	0.000	1.874
1971	0.000	2.464
1972	0.000	2.736
1973	0.000	1.790
1974	0.000	2.987
1975	0.000	4.889
1976	0.000	2.992
1977	0.000	2.373
1978	0.000	3.790
1979	0.000	1.980
1980	0.000	2.413
1981	0.000	2.931
1982	0.000	2.233
1983	0.000	2.924
1984	0.000	2.239
1985	0.000	2.604
1986	0.000	2.813
1987	0.000	2.985
1988	0.000	2.252
1989	0.000	1.150
1990	0.000	2.173
1991	0.000	2.570
1992	0.000	2.458
1993	0.000	2.219
1994	0.000	1.574
1995	0.000	3.508
1996	0.000	3.918
1997	0.000	2.396
1998	0.000	4.905
1999	0.000	1.464
2000	0.000	2.702

2001	0.000	0.793
2002	0.000	5.211
2003	0.000	5.341
2004	0.000	1.068
2005	0.001	12.557
2006	0.000	2.132
2007	0.000	2.935
2008	0.000	2.094
2009	0.000	2.645

**Stream Protection Duration**

**Ranked Annual Peaks for Predeveloped and Mitigated. POC #22**

<b>Rank</b>	<b>Predeveloped</b>	<b>Mitigated</b>
1	0.0013	12.5572
2	0.0004	5.3410
3	0.0003	5.2114
4	0.0002	4.9045
5	0.0002	4.8889
6	0.0002	3.9182
7	0.0002	3.9031
8	0.0002	3.7899
9	0.0002	3.7822
10	0.0002	3.6315
11	0.0002	3.5954
12	0.0002	3.5709
13	0.0001	3.5077
14	0.0001	3.0422
15	0.0001	3.0339
16	0.0001	2.9924
17	0.0001	2.9866
18	0.0001	2.9846
19	0.0001	2.9353
20	0.0001	2.9307
21	0.0001	2.9236
22	0.0001	2.9088
23	0.0001	2.8134
24	0.0001	2.7360
25	0.0001	2.7020
26	0.0001	2.6447
27	0.0001	2.6194
28	0.0001	2.6041
29	0.0001	2.5698
30	0.0001	2.4927
31	0.0001	2.4636
32	0.0001	2.4580
33	0.0001	2.4463
34	0.0001	2.4132
35	0.0001	2.3959
36	0.0001	2.3734
37	0.0001	2.3593
38	0.0000	2.2518
39	0.0000	2.2390
40	0.0000	2.2326
41	0.0000	2.2187
42	0.0000	2.1728
43	0.0000	2.1316

44	0.0000	2.0938
45	0.0000	2.0657
46	0.0000	1.9801
47	0.0000	1.9444
48	0.0000	1.8736
49	0.0000	1.7904
50	0.0000	1.5739
51	0.0000	1.4639
52	0.0000	1.1501
53	0.0000	1.0679
54	0.0000	0.7934

**Stream Protection Duration**

**POC #22**

**The Facility FAILED**

**Facility FAILED duration standard for 1+ flows.**

Flow(cfs)	Predev	Mit	Percentage	Pass/Fail
0.0000	3901	925355	23720	Fail
0.0000	2746	911533	33194	Fail
0.0000	1842	898846	48797	Fail
0.0001	1398	890136	63672	Fail
0.0001	989	879343	88912	Fail
0.0001	800	869118	108639	Fail
0.0001	674	859840	127572	Fail
0.0001	580	850941	146713	Fail
0.0001	516	844692	163700	Fail
0.0001	439	836929	190644	Fail
0.0001	316	829544	262513	Fail
0.0001	258	822538	318813	Fail
0.0001	217	815911	375995	Fail
0.0001	194	811177	418132	Fail
0.0001	166	805118	485010	Fail
0.0001	140	799248	570891	Fail
0.0001	106	793757	748827	Fail
0.0001	86	788455	916808	Fail
0.0001	67	784668	1171146	Fail
0.0001	48	779745	1624468	Fail
0.0001	44	775011	1761388	Fail
0.0001	40	770467	1926167	Fail
0.0001	38	766112	2016084	Fail
0.0001	34	762893	2243802	Fail
0.0001	30	758916	2529720	Fail
0.0001	27	754940	2796074	Fail
0.0001	26	751153	2889050	Fail
0.0001	26	747366	2874484	Fail
0.0001	24	744715	3102979	Fail
0.0002	21	741117	3529128	Fail
0.0002	19	737709	3882678	Fail
0.0002	19	734490	3865736	Fail
0.0002	19	731271	3848794	Fail
0.0002	17	728052	4282658	Fail
0.0002	17	725780	4269294	Fail
0.0002	17	722750	4251470	Fail
0.0002	17	719910	4234764	Fail

0.0002	16	717070	4481687	Fail
0.0002	16	714419	4465118	Fail
0.0002	13	712336	5479507	Fail
0.0002	13	709685	5459115	Fail
0.0002	13	707034	5438723	Fail
0.0002	11	704573	6405209	Fail
0.0002	11	702111	6382827	Fail
0.0002	10	700218	7002179	Fail
0.0002	10	697756	6977560	Fail
0.0002	9	695484	7727600	Fail
0.0002	9	693212	7702355	Fail
0.0002	8	690940	8636750	Fail
0.0002	7	689425	9848928	Fail
0.0002	7	687153	9816471	Fail
0.0002	7	685070	9786714	Fail
0.0002	7	682987	9756957	Fail
0.0002	7	680904	9727200	Fail
0.0002	7	679389	9705557	Fail
0.0003	7	677306	9675800	Fail
0.0003	7	675413	9648757	Fail
0.0003	7	673519	9621700	Fail
0.0003	7	671626	9594657	Fail
0.0003	6	670300	11171666	Fail
0.0003	5	668407	13368140	Fail
0.0003	5	666703	13334059	Fail
0.0003	5	664809	13296180	Fail
0.0003	5	663105	13262100	Fail
0.0003	5	661780	13235600	Fail
0.0003	5	660075	13201500	Fail
0.0003	5	658561	13171220	Fail
0.0003	5	656857	13137140	Fail
0.0003	4	655152	16378800	Fail
0.0003	4	654016	16350400	Fail
0.0003	4	652501	16312525	Fail
0.0003	4	650987	16274675	Fail
0.0003	4	649472	16236800	Fail
0.0003	4	647957	16198925	Fail
0.0003	4	646821	16170525	Fail
0.0003	4	645306	16132650	Fail
0.0003	4	643791	16094775	Fail
0.0003	4	642466	16061650	Fail
0.0003	4	640951	16023775	Fail
0.0003	4	640004	16000100	Fail
0.0003	4	638679	15966975	Fail
0.0003	4	637164	15929100	Fail
0.0004	4	635839	15895975	Fail
0.0004	4	634513	15862825	Fail
0.0004	4	633566	15839150	Fail
0.0004	4	632241	15806025	Fail
0.0004	4	630916	15772900	Fail
0.0004	4	629590	15739750	Fail
0.0004	4	628454	15711350	Fail
0.0004	3	627507	20916900	Fail
0.0004	3	626182	20872733	Fail
0.0004	3	624856	20828533	Fail
0.0004	3	623720	20790666	Fail
0.0004	3	622395	20746500	Fail

0.0004	3	621448	20714933	Fail
0.0004	3	620312	20677066	Fail
0.0004	3	619176	20639200	Fail
0.0004	2	618040	30902000	Fail
0.0004	2	616904	30845200	Fail
0.0004	2	615578	30778900	Fail

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The development has an increase in flow durations from 1/2 Predeveloped 2 year flow to the 2 year flow or more than a 10% increase from the 2 year to the 50 year flow.  
The development has an increase in flow durations for more than 50% of the flows for the range of the duration analysis.

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**Water Quality BMP Flow and Volume for POC #22**  
On-line facility volume: 0 acre-feet  
On-line facility target flow: 0 cfs.  
Adjusted for 15 min: 0 cfs.  
Off-line facility target flow: 0 cfs.  
Adjusted for 15 min: 0 cfs.

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**LID Report**

LID Technique	Used for	Total Volume	Volume	Infiltration	Cumulative
Percent	Water Quality	Percent	Through	Volume	Volume
Volume	Water Quality	Needs	Facility	(ac-ft.)	Infiltration
Infiltrated	Treated	Treatment	(ac-ft)	(ac-ft)	Credit
Total Volume Infiltrated		0.00	0.00	0.00	0.00
0.00	0%	No Treat.			
Compliance with LID Standard 8					
Duration Analysis Result = Failed					

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**Stream Protection Duration**

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**Predeveloped Landuse Totals for POC #23**  
**Total Pervious Area:12.3**  
**Total Impervious Area:0**

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**Mitigated Landuse Totals for POC #23**  
**Total Pervious Area:12.3**  
**Total Impervious Area:0**

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**Flow Frequency Return Periods for Predeveloped. POC #23**

<u>Return Period</u>	<u>Flow(cfs)</u>
2 year	1.021468
5 year	2.137366
10 year	3.012796
25 year	4.212753
50 year	5.146605

100 year 6.097156

**Flow Frequency Return Periods for Mitigated. POC #23**

<u>Return Period</u>	<u>Flow(cfs)</u>
2 year	1.021468
5 year	2.137366
10 year	3.012796
25 year	4.212753
50 year	5.146605
100 year	6.097156

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**Stream Protection Duration**

**Annual Peaks for Predeveloped and Mitigated. POC #23**

<u>Year</u>	<u>Predeveloped</u>	<u>Mitigated</u>
1956	1.804	1.804
1957	2.291	2.291
1958	2.320	2.320
1959	0.633	0.633
1960	2.456	2.456
1961	1.540	1.540
1962	2.725	2.725
1963	2.786	2.786
1964	1.034	1.034
1965	0.710	0.710
1966	0.410	0.410
1967	0.480	0.480
1968	0.376	0.376
1969	0.694	0.694
1970	0.536	0.536
1971	1.605	1.605
1972	1.068	1.068
1973	0.766	0.766
1974	1.227	1.227
1975	3.291	3.291
1976	2.049	2.049
1977	0.640	0.640
1978	2.455	2.455
1979	0.583	0.583
1980	0.593	0.593
1981	0.524	0.524
1982	1.183	1.183
1983	1.080	1.080
1984	1.226	1.226
1985	0.292	0.292
1986	1.864	1.864
1987	0.956	0.956
1988	0.653	0.653
1989	0.250	0.250
1990	1.060	1.060
1991	1.012	1.012
1992	0.322	0.322
1993	0.682	0.682
1994	0.327	0.327
1995	1.655	1.655
1996	1.827	1.827
1997	0.570	0.570

1998	2.649	2.649
1999	0.489	0.489
2000	0.582	0.582
2001	0.022	0.022
2002	4.640	4.640
2003	0.371	0.371
2004	0.337	0.337
2005	16.160	16.160
2006	0.966	0.966
2007	1.121	1.121
2008	1.011	1.011
2009	1.315	1.315

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**Stream Protection Duration**

**Ranked Annual Peaks for Predeveloped and Mitigated. POC #23**

<b>Rank</b>	<b>Predeveloped</b>	<b>Mitigated</b>
1	16.1603	16.1603
2	4.6399	4.6399
3	3.2911	3.2911
4	2.7860	2.7860
5	2.7250	2.7250
6	2.6489	2.6489
7	2.4560	2.4560
8	2.4549	2.4549
9	2.3196	2.3196
10	2.2914	2.2914
11	2.0490	2.0490
12	1.8639	1.8639
13	1.8269	1.8269
14	1.8042	1.8042
15	1.6547	1.6547
16	1.6048	1.6048
17	1.5401	1.5401
18	1.3146	1.3146
19	1.2267	1.2267
20	1.2263	1.2263
21	1.1830	1.1830
22	1.1206	1.1206
23	1.0803	1.0803
24	1.0677	1.0677
25	1.0601	1.0601
26	1.0339	1.0339
27	1.0119	1.0119
28	1.0107	1.0107
29	0.9662	0.9662
30	0.9558	0.9558
31	0.7660	0.7660
32	0.7102	0.7102
33	0.6937	0.6937
34	0.6822	0.6822
35	0.6531	0.6531
36	0.6405	0.6405
37	0.6326	0.6326
38	0.5926	0.5926
39	0.5834	0.5834
40	0.5821	0.5821

41	0.5696	0.5696
42	0.5358	0.5358
43	0.5235	0.5235
44	0.4889	0.4889
45	0.4803	0.4803
46	0.4104	0.4104
47	0.3763	0.3763
48	0.3711	0.3711
49	0.3373	0.3373
50	0.3272	0.3272
51	0.3216	0.3216
52	0.2920	0.2920
53	0.2501	0.2501
54	0.0223	0.0223

**Stream Protection Duration**

**POC #23**

**The Facility PASSED**

**The Facility PASSED.**

<b>Flow(cfs)</b>	<b>Predev</b>	<b>Mit</b>	<b>Percentage</b>	<b>Pass/Fail</b>
0.5107	3738	3738	100	Pass
0.5576	2660	2660	100	Pass
0.6044	1818	1818	100	Pass
0.6512	1299	1299	100	Pass
0.6980	923	923	100	Pass
0.7449	783	783	100	Pass
0.7917	667	667	100	Pass
0.8385	579	579	100	Pass
0.8853	496	496	100	Pass
0.9322	422	422	100	Pass
0.9790	301	301	100	Pass
1.0258	251	251	100	Pass
1.0727	215	215	100	Pass
1.1195	188	188	100	Pass
1.1663	162	162	100	Pass
1.2131	136	136	100	Pass
1.2600	103	103	100	Pass
1.3068	84	84	100	Pass
1.3536	64	64	100	Pass
1.4004	47	47	100	Pass
1.4473	43	43	100	Pass
1.4941	40	40	100	Pass
1.5409	38	38	100	Pass
1.5878	33	33	100	Pass
1.6346	30	30	100	Pass
1.6814	27	27	100	Pass
1.7282	26	26	100	Pass
1.7751	26	26	100	Pass
1.8219	24	24	100	Pass
1.8687	20	20	100	Pass
1.9155	19	19	100	Pass
1.9624	19	19	100	Pass
2.0092	19	19	100	Pass
2.0560	17	17	100	Pass



2.1029	17	17	100	Pass
2.1497	17	17	100	Pass
2.1965	17	17	100	Pass
2.2433	16	16	100	Pass
2.2902	16	16	100	Pass
2.3370	13	13	100	Pass
2.3838	13	13	100	Pass
2.4306	13	13	100	Pass
2.4775	11	11	100	Pass
2.5243	11	11	100	Pass
2.5711	10	10	100	Pass
2.6179	10	10	100	Pass
2.6648	9	9	100	Pass
2.7116	9	9	100	Pass
2.7584	8	8	100	Pass
2.8053	7	7	100	Pass
2.8521	7	7	100	Pass
2.8989	7	7	100	Pass
2.9457	7	7	100	Pass
2.9926	7	7	100	Pass
3.0394	7	7	100	Pass
3.0862	7	7	100	Pass
3.1330	7	7	100	Pass
3.1799	7	7	100	Pass
3.2267	7	7	100	Pass
3.2735	6	6	100	Pass
3.3204	5	5	100	Pass
3.3672	5	5	100	Pass
3.4140	5	5	100	Pass
3.4608	5	5	100	Pass
3.5077	5	5	100	Pass
3.5545	5	5	100	Pass
3.6013	5	5	100	Pass
3.6481	5	5	100	Pass
3.6950	4	4	100	Pass
3.7418	4	4	100	Pass
3.7886	4	4	100	Pass
3.8354	4	4	100	Pass
3.8823	4	4	100	Pass
3.9291	4	4	100	Pass
3.9759	4	4	100	Pass
4.0228	4	4	100	Pass
4.0696	4	4	100	Pass
4.1164	4	4	100	Pass
4.1632	4	4	100	Pass
4.2101	4	4	100	Pass
4.2569	4	4	100	Pass
4.3037	4	4	100	Pass
4.3505	4	4	100	Pass
4.3974	4	4	100	Pass
4.4442	4	4	100	Pass
4.4910	4	4	100	Pass
4.5379	4	4	100	Pass
4.5847	4	4	100	Pass
4.6315	4	4	100	Pass
4.6783	3	3	100	Pass
4.7252	3	3	100	Pass

4.7720	3	3	100	Pass
4.8188	3	3	100	Pass
4.8656	3	3	100	Pass
4.9125	3	3	100	Pass
4.9593	3	3	100	Pass
5.0061	3	3	100	Pass
5.0530	2	2	100	Pass
5.0998	2	2	100	Pass
5.1466	2	2	100	Pass

**Water Quality BMP Flow and Volume for POC #23**

On-line facility volume: 0 acre-feet  
 On-line facility target flow: 0 cfs.  
 Adjusted for 15 min: 0 cfs.  
 Off-line facility target flow: 0 cfs.  
 Adjusted for 15 min: 0 cfs.

**LID Report**

LID Technique	Used for	Total Volume	Volume	Infiltration	Cumulative
Percent	Water Quality	Percent	Through	Volume	Volume
Volume	Water Quality	Treatment?	Needs	Facility	Infiltration
Infiltrated	Treated	Water Quality	Treatment	(ac-ft.)	Credit
		(ac-ft)	(ac-ft)		
Total Volume Infiltrated		0.00	0.00	0.00	0.00
0.00	0%	No Treat.	Credit		
Compliance with LID Standard 8					
Duration Analysis Result = Failed					

**Stream Protection Duration**

**Predeveloped Landuse Totals for POC #24**

Total Pervious Area:11.7  
 Total Impervious Area:0.5

**Mitigated Landuse Totals for POC #24**

Total Pervious Area:11.7  
 Total Impervious Area:0.5

**Flow Frequency Return Periods for Predeveloped. POC #24**

<u>Return Period</u>	<u>Flow(cfs)</u>
2 year	1.126745
5 year	2.262978
10 year	3.283697
25 year	4.912948
50 year	6.394256
100 year	8.122499

**Flow Frequency Return Periods for Mitigated. POC #24**

<u>Return Period</u>	<u>Flow(cfs)</u>
2 year	1.126745
5 year	2.262978
10 year	3.283697
25 year	4.912948
50 year	6.394256
100 year	8.122499

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**Stream Protection Duration**

**Annual Peaks for Predeveloped and Mitigated. POC #24**

<u>Year</u>	<u>Predeveloped</u>	<u>Mitigated</u>
1956	2.020	2.020
1957	2.558	2.558
1958	2.566	2.566
1959	0.781	0.781
1960	2.693	2.693
1961	1.699	1.699
1962	2.896	2.896
1963	2.997	2.997
1964	1.200	1.200
1965	0.811	0.811
1966	0.435	0.435
1967	0.619	0.619
1968	0.531	0.531
1969	0.896	0.896
1970	0.697	0.697
1971	1.773	1.773
1972	1.210	1.210
1973	0.831	0.831
1974	1.465	1.465
1975	3.619	3.619
1976	2.248	2.248
1977	0.832	0.832
1978	2.569	2.569
1979	0.753	0.753
1980	0.805	0.805
1981	0.661	0.661
1982	1.314	1.314
1983	1.320	1.320
1984	1.353	1.353
1985	0.343	0.343
1986	2.009	2.009
1987	1.208	1.208
1988	0.846	0.846
1989	0.352	0.352
1990	1.147	1.147
1991	1.220	1.220
1992	0.370	0.370
1993	0.836	0.836
1994	0.434	0.434
1995	1.925	1.925
1996	1.996	1.996
1997	0.710	0.710
1998	3.010	3.010
1999	0.597	0.597

2000	0.791	0.791
2001	0.094	0.094
2002	4.935	4.935
2003	0.581	0.581
2004	0.395	0.395
2005	16.628	16.628
2006	1.132	1.132
2007	1.359	1.359
2008	1.171	1.171
2009	1.483	1.483

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**Stream Protection Duration**

**Ranked Annual Peaks for Predeveloped and Mitigated. POC #24**

<b>Rank</b>	<b>Predeveloped</b>	<b>Mitigated</b>
1	16.6278	16.6278
2	4.9347	4.9347
3	3.6194	3.6194
4	3.0101	3.0101
5	2.9967	2.9967
6	2.8963	2.8963
7	2.6932	2.6932
8	2.5690	2.5690
9	2.5660	2.5660
10	2.5578	2.5578
11	2.2483	2.2483
12	2.0196	2.0196
13	2.0086	2.0086
14	1.9958	1.9958
15	1.9248	1.9248
16	1.7729	1.7729
17	1.6990	1.6990
18	1.4832	1.4832
19	1.4655	1.4655
20	1.3595	1.3595
21	1.3529	1.3529
22	1.3200	1.3200
23	1.3137	1.3137
24	1.2196	1.2196
25	1.2098	1.2098
26	1.2076	1.2076
27	1.1996	1.1996
28	1.1708	1.1708
29	1.1474	1.1474
30	1.1322	1.1322
31	0.8958	0.8958
32	0.8464	0.8464
33	0.8358	0.8358
34	0.8320	0.8320
35	0.8315	0.8315
36	0.8108	0.8108
37	0.8050	0.8050
38	0.7906	0.7906
39	0.7810	0.7810
40	0.7530	0.7530
41	0.7102	0.7102
42	0.6970	0.6970

43	0.6614	0.6614
44	0.6191	0.6191
45	0.5972	0.5972
46	0.5814	0.5814
47	0.5313	0.5313
48	0.4349	0.4349
49	0.4344	0.4344
50	0.3946	0.3946
51	0.3704	0.3704
52	0.3517	0.3517
53	0.3429	0.3429
54	0.0944	0.0944

**Stream Protection Duration**

**POC #24**

**The Facility PASSED**

**The Facility PASSED.**

<b>Flow(cfs)</b>	<b>Predev</b>	<b>Mit</b>	<b>Percentage</b>	<b>Pass/Fail</b>
0.5634	2778	2778	100	Pass
0.6223	1786	1786	100	Pass
0.6812	1246	1246	100	Pass
0.7401	879	879	100	Pass
0.7990	705	705	100	Pass
0.8579	563	563	100	Pass
0.9168	470	470	100	Pass
0.9757	361	361	100	Pass
1.0346	273	273	100	Pass
1.0935	224	224	100	Pass
1.1524	181	181	100	Pass
1.2112	149	149	100	Pass
1.2701	121	121	100	Pass
1.3290	100	100	100	Pass
1.3879	87	87	100	Pass
1.4468	72	72	100	Pass
1.5057	57	57	100	Pass
1.5646	50	50	100	Pass
1.6235	45	45	100	Pass
1.6824	41	41	100	Pass
1.7413	35	35	100	Pass
1.8002	30	30	100	Pass
1.8591	30	30	100	Pass
1.9180	28	28	100	Pass
1.9769	24	24	100	Pass
2.0358	21	21	100	Pass
2.0947	20	20	100	Pass
2.1536	19	19	100	Pass
2.2125	19	19	100	Pass
2.2714	17	17	100	Pass
2.3303	17	17	100	Pass
2.3892	17	17	100	Pass
2.4481	17	17	100	Pass
2.5070	16	16	100	Pass
2.5659	14	14	100	Pass
2.6248	12	12	100	Pass

2.6837	12	12	100	Pass
2.7426	11	11	100	Pass
2.8015	10	10	100	Pass
2.8604	10	10	100	Pass
2.9193	9	9	100	Pass
2.9782	9	9	100	Pass
3.0371	7	7	100	Pass
3.0960	7	7	100	Pass
3.1549	7	7	100	Pass
3.2138	7	7	100	Pass
3.2727	7	7	100	Pass
3.3316	7	7	100	Pass
3.3905	7	7	100	Pass
3.4494	7	7	100	Pass
3.5083	7	7	100	Pass
3.5672	6	6	100	Pass
3.6261	5	5	100	Pass
3.6850	5	5	100	Pass
3.7439	5	5	100	Pass
3.8028	5	5	100	Pass
3.8617	5	5	100	Pass
3.9205	5	5	100	Pass
3.9794	5	5	100	Pass
4.0383	5	5	100	Pass
4.0972	5	5	100	Pass
4.1561	5	5	100	Pass
4.2150	5	5	100	Pass
4.2739	5	5	100	Pass
4.3328	5	5	100	Pass
4.3917	5	5	100	Pass
4.4506	5	5	100	Pass
4.5095	5	5	100	Pass
4.5684	5	5	100	Pass
4.6273	4	4	100	Pass
4.6862	4	4	100	Pass
4.7451	4	4	100	Pass
4.8040	4	4	100	Pass
4.8629	4	4	100	Pass
4.9218	4	4	100	Pass
4.9807	3	3	100	Pass
5.0396	3	3	100	Pass
5.0985	3	3	100	Pass
5.1574	3	3	100	Pass
5.2163	3	3	100	Pass
5.2752	3	3	100	Pass
5.3341	2	2	100	Pass
5.3930	2	2	100	Pass
5.4519	2	2	100	Pass
5.5108	2	2	100	Pass
5.5697	2	2	100	Pass
5.6286	2	2	100	Pass
5.6875	2	2	100	Pass
5.7464	2	2	100	Pass
5.8053	2	2	100	Pass
5.8642	2	2	100	Pass
5.9231	2	2	100	Pass
5.9820	2	2	100	Pass

6.0409	2	2	100	Pass
6.0998	2	2	100	Pass
6.1587	2	2	100	Pass
6.2176	2	2	100	Pass
6.2765	2	2	100	Pass
6.3354	2	2	100	Pass
6.3943	2	2	100	Pass

---

**Water Quality BMP Flow and Volume for POC #24**

On-line facility volume: 0 acre-feet  
On-line facility target flow: 0 cfs.  
Adjusted for 15 min: 0 cfs.  
Off-line facility target flow: 0 cfs.  
Adjusted for 15 min: 0 cfs.

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**LID Report**

LID Technique	Used for	Total Volume	Volume	Infiltration	Cumulative
Percent	Water Quality	Percent	Comment	Through	Volume
Volume	Water Quality	Treatment?	Needs	Volume	Volume
Infiltrated	Treated	Treatment	Facility	(ac-ft.)	Infiltration
		(ac-ft)	(ac-ft)		Credit
Total Volume Infiltrated		0.00	0.00	0.00	0.00
0.00	0%	No Treat.	Credit		
Compliance with LID Standard 8					
Duration Analysis Result = Failed					

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**Perlnd and Implnd Changes**

No changes have been made.

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Peak Flow (cfs)	Return (yr)	SB 3 (cfs)	SB 5 (cfs)	SB B (cfs)	SB C (cfs)	SB D (cfs)	SB E (cfs)	SB F (cfs)	SB G (cfs)	SB H (cfs)	SB 2.1 (cfs)	SB 2.2 (cfs)	SB 2.4 (cfs)	SB A (cfs)	SB 2.3 (cfs)	SB J (cfs)	SB K (cfs)
	1.01	6.94	0.27	0.19	0.32	1.37	0.27	0.25	0.09	0.07	11.42	0.31	0.50	0.49	0.14	0.07	0.16
	1.58	12.99	1.57	0.96	0.93	2.32	0.65	1.25	0.52	0.55	20.94	1.31	1.65	1.93	0.85	0.54	0.59
	2	15.06	2.06	1.24	1.14	2.66	0.79	1.62	0.68	0.72	24.19	1.66	2.07	2.44	1.11	0.70	0.74
	2.33	16.36	2.37	1.41	1.28	2.88	0.88	1.86	0.78	0.83	26.24	1.88	2.33	2.76	1.28	0.80	0.84
	5	23.07	3.91	2.23	2.02	4.05	1.36	3.04	1.28	1.28	36.79	2.99	3.70	4.39	2.12	1.24	1.33
	10	29.98	5.38	2.99	2.81	5.30	1.89	4.18	1.77	1.64	47.66	4.08	5.11	6.01	2.92	1.59	1.83
	25	40.97	7.48	4.05	4.09	7.35	2.78	5.85	2.46	2.07	64.93	5.67	7.34	8.43	4.04	2.00	2.58
	50	51.01	9.19	4.88	5.27	9.28	3.63	7.23	3.02	2.36	80.71	7.01	9.33	10.50	4.95	2.28	3.24
	100	62.77	10.98	5.74	6.67	11.62	4.66	8.72	3.62	2.62	99.19	8.47	11.62	12.78	5.90	2.54	3.96
Average 24-Hour Flow (cfs)	Return (yr)	SB 3 (cfs-day)	SB 5 (cfs-day)	SB B (cfs-day)	SB C (cfs-day)	SB D (cfs-day)	SB E (cfs-day)	SB F (cfs-day)	SB G (cfs-day)	SB H (cfs-day)	SB 2.1 (cfs-day)	SB 2.2 (cfs-day)	SB 2.4 (cfs-day)	SB A (cfs-day)	SB 2.3 (cfs-day)	SB J (cfs-day)	SB K (cfs-day)
	1.01	1.55	0.15	0.06	0.08	0.29	0.07	0.11	0.05	0.03	2.49	0.09	0.12	0.14	0.08	0.03	0.04
	1.58	3.50	0.66	0.75	0.59	0.71	0.36	0.51	0.22	0.45	5.57	0.97	1.15	1.41	0.36	0.43	0.43
	2	3.99	0.78	0.88	0.70	0.81	0.43	0.60	0.26	0.52	6.35	1.15	1.36	1.67	0.43	0.51	0.50
	2.33	4.28	0.85	0.94	0.76	0.87	0.47	0.65	0.28	0.56	6.80	1.23	1.47	1.79	0.46	0.54	0.54
	5	5.52	1.09	1.09	0.93	1.12	0.59	0.83	0.36	0.64	8.76	1.45	1.75	2.11	0.59	0.62	0.64
	10	6.53	1.23	1.13	1.01	1.32	0.67	0.95	0.40	0.65	10.35	1.51	1.85	2.21	0.67	0.63	0.67
	25	7.80	1.37	1.14	1.07	1.57	0.73	1.05	0.45	0.65	12.35	1.53	1.90	2.25	0.74	0.63	0.68
	50	8.73	1.45	1.14	1.08	1.75	0.76	1.11	0.47	0.66	13.83	1.53	1.91	2.25	0.78	0.63	0.68
	100	9.65	1.50	1.15	1.09	1.92	0.78	1.16	0.49	0.66	15.28	1.53	1.91	2.25	0.82	0.64	0.68
<b>91% Volume (cfs-day)</b>		0.827	0.175	0.166	0.141	0.169	0.089	0.133	0.057	0.098	1.306	0.219	0.266	0.319	0.095	0.095	0.097
<b>91% Volume (cf)</b>		71485.72	15161.23	14384.31	12168.38	14592.40	7684.89	11489.06	4936.69	8456.12	112844.83	18927.69	22950.97	27587.15	8235.70	8189.82	8348.29
Average 7-Day Flow (cfs)	Return (yr)	SB 3 (cfs-7day)	SB 5 (cfs-7day)	SB B (cfs-7day)	SB C (cfs-7day)	SB D (cfs-7day)	SB E (cfs-7day)	SB F (cfs-7day)	SB G (cfs-7day)	SB H (cfs-7day)	SB 2.1 (cfs-7day)	SB 2.2 (cfs-7day)	SB 2.4 (cfs-7day)	SB A (cfs-7day)	SB 2.3 (cfs-7day)	SB J (cfs-7day)	SB K (cfs-7day)
	1.01	0.52	0.06	0.03	0.03	0.09	0.02	0.05	0.02	0.02	0.84	0.04	0.05	0.06	0.03	0.01	0.02
	1.58	1.53	0.38	0.42	0.34	0.32	0.21	0.29	0.12	0.25	2.39	0.55	0.65	0.79	0.21	0.24	0.24
	2	1.72	0.43	0.47	0.39	0.37	0.24	0.33	0.14	0.28	2.69	0.62	0.74	0.90	0.24	0.27	0.27
	2.33	1.82	0.46	0.50	0.41	0.39	0.25	0.35	0.15	0.29	2.85	0.65	0.77	0.94	0.25	0.28	0.28
	5	2.17	0.53	0.53	0.45	0.47	0.28	0.40	0.17	0.31	3.40	0.70	0.84	1.01	0.29	0.30	0.31
	10	2.37	0.55	0.53	0.45	0.51	0.29	0.42	0.18	0.31	3.72	0.70	0.85	1.02	0.30	0.30	0.31
	25	2.56	0.56	0.54	0.45	0.54	0.29	0.42	0.18	0.32	4.03	0.70	0.85	1.03	0.30	0.31	0.31
	50	2.66	0.56	0.56	0.46	0.56	0.29	0.43	0.18	0.33	4.19	0.72	0.86	1.05	0.30	0.32	0.32
	100	2.73	0.56	0.59	0.47	0.57	0.29	0.43	0.18	0.36	4.32	0.76	0.89	1.10	0.30	0.35	0.33



	Return (yr)	SB 3 (cfs)	SB 5 (cfs)	SB B (cfs)	SB C (cfs)	SB D (cfs)	SB E (cfs)	SB F (cfs)	SB G (cfs)	SB H (cfs)	SB 2.1 (cfs)	SB 2.2 (cfs)	SB 2.4 (cfs)	SB A (cfs)	SB 2.3 (cfs)	SU 1-2 (cfs)	SU 6 (cfs)	SU 7 (cfs)	SB J (cfs)	SB K (cfs)
	Peak Flow (cfs)	1.01	6.94	0.27	0.19	0.32	1.37	0.27	0.25	0.09	0.07	11.42	0.25	0.50	0.43	0.14	2.34	1.77	0.93	0.07
	1.58	12.99	1.57	0.96	0.93	2.32	0.65	1.25	0.52	0.55	20.94	0.71	1.65	1.41	0.85	3.85	2.91	1.53	0.54	0.59
	2	15.06	2.06	1.24	1.14	2.66	0.79	1.62	0.68	0.72	24.19	0.88	2.07	1.75	1.11	4.38	3.30	1.74	0.70	0.74
	2.33	16.36	2.37	1.41	1.28	2.88	0.88	1.86	0.78	0.83	26.24	0.99	2.33	1.98	1.28	4.71	3.55	1.87	0.80	0.84
	5	23.07	3.91	2.23	2.02	4.05	1.36	3.04	1.28	1.28	36.79	1.56	3.70	3.14	2.12	6.40	4.83	2.54	1.24	1.33
	10	29.98	5.38	2.99	2.81	5.30	1.89	4.18	1.77	1.64	47.66	2.16	5.11	4.34	2.92	8.15	6.14	3.23	1.59	1.83
	25	40.97	7.48	4.05	4.09	7.35	2.78	5.85	2.46	2.07	64.93	3.14	7.34	6.24	4.04	10.92	8.24	4.33	2.00	2.58
	50	51.01	9.19	4.88	5.27	9.28	3.63	7.23	3.02	2.36	80.71	4.05	9.33	7.96	4.95	13.46	10.15	5.34	2.28	3.24
	100	62.77	10.98	5.74	6.67	11.62	4.66	8.72	3.62	2.62	99.19	5.12	11.62	9.94	5.90	16.43	12.39	6.52	2.54	3.96
Average 24-Hour Flow (cfs)	Return (yr)	SB 3 (cfs-day)	SB 5 (cfs-day)	SB B (cfs-day)	SB C (cfs-day)	SB D (cfs-day)	SB E (cfs-day)	SB F (cfs-day)	SB G (cfs-day)	SB H (cfs-day)	SB 2.1 (cfs-day)	SB 2.2 (cfs-day)	SB 2.4 (cfs-day)	SB A (cfs-day)	SB 2.3 (cfs-day)	SU 1-2 (cfs-day)	SU 6 (cfs-day)	SU 7 (cfs-day)	SB J (cfs-day)	SB K (cfs-day)
	1.01	1.55	0.15	0.06	0.08	0.29	0.07	0.11	0.05	0.03	2.49	0.06	0.12	0.11	0.08	0.48	0.36	0.19	0.03	0.04
	1.58	3.50	0.66	0.75	0.59	0.71	0.36	0.51	0.22	0.45	5.57	0.46	1.15	0.97	0.36	0.97	0.73	0.39	0.43	0.43
	2	3.99	0.78	0.88	0.70	0.81	0.43	0.60	0.26	0.52	6.35	0.55	1.36	1.15	0.43	1.10	0.83	0.44	0.51	0.50
	2.33	4.28	0.85	0.94	0.76	0.87	0.47	0.65	0.28	0.56	6.80	0.59	1.47	1.23	0.46	1.17	0.88	0.46	0.54	0.54
	5	5.52	1.09	1.09	0.93	1.12	0.59	0.83	0.36	0.64	8.76	0.72	1.75	1.48	0.59	1.48	1.12	0.59	0.62	0.64
	10	6.53	1.23	1.13	1.01	1.32	0.67	0.95	0.40	0.65	10.35	0.78	1.85	1.57	0.67	1.74	1.31	0.69	0.63	0.67
	25	7.80	1.37	1.14	1.07	1.57	0.73	1.05	0.45	0.65	12.35	0.82	1.90	1.62	0.74	2.07	1.56	0.82	0.63	0.68
	50	8.73	1.45	1.14	1.08	1.75	0.76	1.11	0.47	0.66	13.83	0.83	1.91	1.62	0.78	2.31	1.74	0.92	0.63	0.68
	100	9.65	1.50	1.15	1.09	1.92	0.78	1.16	0.49	0.66	15.28	0.84	1.91	1.63	0.82	2.55	1.92	1.01	0.64	0.68
	<b>91% Volume (cfs-day)</b>	0.827	0.175	0.166	0.141	0.169	0.089	0.133	0.057	0.098	1.306	0.109	0.266	0.224	0.095	0.221	0.167	0.088	0.095	0.097
	<b>91% Volume (cf)</b>	71485.72	15161.23	14384.31	12168.38	14592.40	7684.89	11489.06	4936.69	8456.12	112844.83	9413.09	22950.97	19351.94	8235.70	19103.45	14403.32	7580.73	8189.82	8348.29
Average 7-Day Flow (cfs)	Return (yr)	SB 3 (cfs-7day)	SB 5 (cfs-7day)	SB B (cfs-7day)	SB C (cfs-7day)	SB D (cfs-7day)	SB E (cfs-7day)	SB F (cfs-7day)	SB G (cfs-7day)	SB H (cfs-7day)	SB 2.1 (cfs-7day)	SB 2.2 (cfs-7day)	SB 2.4 (cfs-7day)	SB A (cfs-7day)	SB 2.3 (cfs-7day)	SU 1-2 (cfs-7day)	SU 6 (cfs-7day)	SU 7 (cfs-7day)	SB J (cfs-7day)	SB K (cfs-7day)
	1.01	0.52	0.06	0.03	0.03	0.09	0.02	0.05	0.02	0.02	0.84	0.02	0.05	0.04	0.03	0.15	0.11	0.06	0.01	0.02
	1.58	1.53	0.38	0.42	0.34	0.32	0.21	0.29	0.12	0.25	2.39	0.26	0.65	0.55	0.21	0.38	0.29	0.15	0.24	0.24
	2	1.72	0.43	0.47	0.39	0.37	0.24	0.33	0.14	0.28	2.69	0.30	0.74	0.62	0.24	0.43	0.32	0.17	0.27	0.27
	2.33	1.82	0.46	0.50	0.41	0.39	0.25	0.35	0.15	0.29	2.85	0.31	0.77	0.65	0.25	0.45	0.34	0.18	0.28	0.28
	5	2.17	0.53	0.53	0.45	0.47	0.28	0.40	0.17	0.31	3.40	0.34	0.84	0.71	0.29	0.54	0.41	0.21	0.30	0.31
	10	2.37	0.55	0.53	0.45	0.51	0.29	0.42	0.18	0.31	3.72	0.35	0.85	0.71	0.30	0.59	0.45	0.24	0.30	0.31
	25	2.56	0.56	0.54	0.45	0.54	0.29	0.42	0.18	0.32	4.03	0.35	0.85	0.72	0.30	0.65	0.49	0.26	0.31	0.31
	50	2.66	0.56	0.56	0.46	0.56	0.29	0.43	0.18	0.33	4.19	0.35	0.86	0.73	0.30	0.68	0.51	0.27	0.32	0.32
	100	2.73	0.56	0.59	0.47	0.57	0.29	0.43	0.18	0.36	4.32	0.36	0.89	0.75	0.30	0.71	0.53	0.28	0.35	0.33

# Attachment H2

## Hydraulic Analysis Results

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EPA STORM WATER MANAGEMENT MODEL - VERSION 5.1 (Build 5.1.015)

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WARNING 09: time series interval greater than recording interval for Rain Gage Null

- WARNING 08: elevation drop exceeds length for Conduit 172\_to\_Inlet
- WARNING 04: minimum elevation drop used for Conduit 381\_to\_PS77
- WARNING 08: elevation drop exceeds length for Conduit 458\_to\_Inlet
- WARNING 08: elevation drop exceeds length for Conduit 469\_to\_Inlet
- WARNING 04: minimum elevation drop used for Conduit Culvert11
- WARNING 04: minimum elevation drop used for Conduit Culvert12
- WARNING 04: minimum elevation drop used for Conduit Culvert12a
- WARNING 04: minimum elevation drop used for Conduit Culvert12c
- WARNING 04: minimum elevation drop used for Conduit Ditch13
- WARNING 04: minimum elevation drop used for Conduit Ditch2
- WARNING 04: minimum elevation drop used for Conduit Ditch4\_489
- WARNING 04: minimum elevation drop used for Conduit Ditch6
- WARNING 04: minimum elevation drop used for Conduit Facility73\_to\_Pond
- WARNING 04: minimum elevation drop used for Conduit Pipe\_-(258)
- WARNING 04: minimum elevation drop used for Conduit Pipe\_-(374)
- WARNING 04: minimum elevation drop used for Conduit Pipe\_-(461)
- WARNING 02: maximum depth increased for Node Ditch1\_2
- WARNING 02: maximum depth increased for Node Ditch17\_5\_6
- WARNING 02: maximum depth increased for Node Ditch2\_3
- WARNING 02: maximum depth increased for Node Ditch3\_Out
- WARNING 02: maximum depth increased for Node Ditch4\_In
- WARNING 02: maximum depth increased for Node Ditch6\_7
- WARNING 02: maximum depth increased for Node Ditch7\_8
- WARNING 02: maximum depth increased for Node Structure\_-(489)

\*\*\*\*\*

Element Count

\*\*\*\*\*

Number of rain gages ..... 1  
 Number of subcatchments ... 14  
 Number of nodes ..... 333  
 Number of links ..... 327  
 Number of pollutants ..... 0  
 Number of land uses ..... 0

\*\*\*\*\*

Raingage Summary

\*\*\*\*\*

Name	Data Source	Data Type	Recording Interval
Null	Null	INTENSITY	60 min.

\*\*\*\*\*

Subcatchment Summary

\*\*\*\*\*

Name	Area	Width	%Imperv	%Slope	Rain Gage
Outlet					
-----					
2.1 Structure602	88.70	1950.00	70.12	0.5000	Null
2.2 Ditch9_Inlet	52.40	1400.00	4.01	0.5000	Null
2.3 Structure_-(395)	9.40	450.00	2.13	0.5000	Null
2.4 Ditch4_In	33.10	1560.00	5.14	0.5000	Null
3 SDCB294	17.20	800.00	39.65	0.5000	Null
5 5_Dummy_Outlet	17.20	850.00	2.91	0.5000	Null
A Ditch4_In	40.50	1950.00	6.42	0.5000	Null
B Ditch2_3	21.40	850.00	1.87	0.5000	Null
C C_Dummy_Outlet	17.30	1200.00	6.94	0.5000	Null
D D_Dummy_Outlet	14.10	1350.00	49.65	0.5000	Null
E E_Dummy_Outlet	10.70	750.00	11.21	0.5000	Null
F F_Dummy_Outlet	12.90	1400.00	6.20	0.5000	Null
G G_Dummy_Outlet	5.60	680.00	3.57	0.5000	Null
H H_Dummy_Outlet	12.70	840.00	3.15	0.5000	Null

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Node Summary

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External Name	Type	Invert Elev.	Max. Depth	Ponded Area	
Inflow					
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CB19	JUNCTION	6.61	5.52	100.0	Yes
CB22	JUNCTION	6.02	5.00	100.0	Yes
CB30	JUNCTION	7.17	5.00	100.0	Yes
CB31	JUNCTION	7.40	5.00	100.0	Yes
CB33	JUNCTION	7.17	5.00	100.0	Yes
Culvert_Ditch11	JUNCTION	3.34	5.00	100.0	
Culvert_Ditch12	JUNCTION	2.98	5.00	100.0	

Culvert_Ditch12a	JUNCTION	2.39	5.00	100.0	
Culvert_Ditch12b	JUNCTION	2.39	5.00	100.0	
Culvert_Ditch12c	JUNCTION	0.50	5.00	100.0	
Ditch1_2	JUNCTION	1.00	5.50	100.0	
Ditch10_Inlet	JUNCTION	3.80	5.00	100.0	Yes
Ditch11_12	JUNCTION	2.98	5.00	100.0	Yes
Ditch12_18	JUNCTION	0.50	5.00	100.0	Yes
Ditch14_15	JUNCTION	4.12	5.00	100.0	Yes
Ditch15_16	JUNCTION	3.12	5.00	100.0	Yes
Ditch16_17	JUNCTION	2.18	5.00	100.0	Yes
Ditch17_5_6	JUNCTION	1.24	7.00	100.0	Yes
Ditch2_3	JUNCTION	1.00	11.00	100.0	Yes
Ditch3_Out	JUNCTION	1.00	10.00	100.0	
Ditch4_Berm	JUNCTION	4.00	10.00	100.0	
Ditch4_In	JUNCTION	5.00	10.00	100.0	Yes
Ditch4_Out	JUNCTION	3.00	14.00	100.0	
Ditch5_Inlet	JUNCTION	2.25	5.00	100.0	Yes
Ditch6_7	JUNCTION	1.24	7.00	100.0	Yes
Ditch7_8	JUNCTION	-2.32	8.78	100.0	Yes
Ditch9_10_11	JUNCTION	3.34	5.00	100.0	Yes
Ditch9_Inlet	JUNCTION	8.46	5.00	100.0	Yes
Facility77_PS	JUNCTION	8.30	1.67	100.0	
PS004	JUNCTION	-2.00	6.00	100.0	
PSC_Outlet	JUNCTION	11.50	1.67	100.0	
SDCB294	JUNCTION	2.53	6.00	100.0	Yes
SDCB541	JUNCTION	5.31	5.00	100.0	Yes
SDCB543	JUNCTION	7.11	5.75	100.0	Yes
SDCB6003	JUNCTION	2.93	7.65	100.0	Yes
SDCB6005	JUNCTION	5.75	5.00	100.0	Yes
SDMH297	JUNCTION	2.48	6.22	100.0	Yes
SDMH299	JUNCTION	2.50	6.35	100.0	Yes
SDMH301	JUNCTION	2.30	5.00	100.0	Yes
SDMH538	JUNCTION	4.88	5.00	100.0	Yes
SDMH539	JUNCTION	3.53	6.35	100.0	Yes
SDMH540	JUNCTION	3.78	5.75	100.0	Yes
Structure_-_ (1)	JUNCTION	7.42	5.00	100.0	Yes
Structure_-_ (10)	JUNCTION	4.74	9.44	100.0	Yes
Structure_-_ (100)	JUNCTION	10.62	5.00	100.0	Yes
Structure_-_ (101)	JUNCTION	10.67	5.00	100.0	Yes
Structure_-_ (102)	JUNCTION	10.50	5.00	100.0	Yes
Structure_-_ (123)	JUNCTION	7.46	8.18	100.0	Yes
Structure_-_ (124)	JUNCTION	7.70	8.66	100.0	Yes
Structure_-_ (125)	JUNCTION	9.82	5.00	100.0	Yes
Structure_-_ (126)	JUNCTION	10.12	5.00	100.0	Yes
Structure_-_ (128)	JUNCTION	11.13	5.00	100.0	Yes
Structure_-_ (129)	JUNCTION	12.81	5.00	100.0	Yes
Structure_-_ (130)	JUNCTION	10.61	5.00	100.0	Yes
Structure_-_ (131)	JUNCTION	11.13	5.00	100.0	Yes
Structure_-_ (132)	JUNCTION	11.93	5.00	100.0	Yes
Structure_-_ (133)	JUNCTION	10.62	5.00	100.0	Yes
Structure_-_ (134)	JUNCTION	11.30	5.00	100.0	Yes
Structure_-_ (136)	JUNCTION	11.83	5.00	100.0	Yes
Structure_-_ (139)	JUNCTION	4.12	7.40	100.0	Yes

Structure_-(140)	JUNCTION	4.22	7.05	100.0	Yes
Structure_-(141)	JUNCTION	3.60	6.40	100.0	Yes
Structure_-(142)	JUNCTION	5.44	5.00	100.0	Yes
Structure_-(143)	JUNCTION	6.40	6.06	100.0	Yes
Structure_-(144)	JUNCTION	6.76	5.41	100.0	Yes
Structure_-(161)	JUNCTION	6.13	5.00	100.0	Yes
Structure_-(162)	JUNCTION	5.25	5.00	100.0	Yes
Structure_-(163)	JUNCTION	4.62	5.00	100.0	Yes
Structure_-(164)	JUNCTION	4.03	5.00	100.0	Yes
Structure_-(165)	JUNCTION	3.70	5.00	100.0	Yes
Structure_-(166)	JUNCTION	3.35	5.00	100.0	Yes
Structure_-(167)	JUNCTION	2.79	5.00	100.0	Yes
Structure_-(168)	JUNCTION	2.15	5.00	100.0	Yes
Structure_-(169)	JUNCTION	1.58	5.00	100.0	Yes
Structure_-(170)	JUNCTION	1.40	10.49	100.0	Yes
Structure_-(171)	JUNCTION	-1.58	13.71	100.0	Yes
Structure_-(172)	JUNCTION	-3.00	5.00	100.0	Yes
Structure_-(173)	JUNCTION	0.55	10.11	100.0	Yes
Structure_-(174)	JUNCTION	1.10	9.56	100.0	Yes
Structure_-(175)	JUNCTION	1.36	14.78	100.0	Yes
Structure_-(176)	JUNCTION	2.44	12.83	100.0	Yes
Structure_-(177)	JUNCTION	3.34	10.94	100.0	Yes
Structure_-(178)	JUNCTION	4.34	5.00	100.0	Yes
Structure_-(179)	JUNCTION	5.24	5.00	100.0	Yes
Structure_-(180)	JUNCTION	4.59	9.53	100.0	Yes
Structure_-(181)	JUNCTION	6.13	9.00	100.0	Yes
Structure_-(19)	JUNCTION	5.05	9.03	100.0	Yes
Structure_-(2)	JUNCTION	7.31	5.43	100.0	Yes
Structure_-(20)	JUNCTION	5.77	5.00	100.0	Yes
Structure_-(205)	JUNCTION	1.40	7.75	100.0	Yes
Structure_-(206)	JUNCTION	1.58	5.00	100.0	Yes
Structure_-(207)	JUNCTION	2.15	5.00	100.0	Yes
Structure_-(208)	JUNCTION	2.79	5.00	100.0	Yes
Structure_-(209)	JUNCTION	3.35	5.00	100.0	Yes
Structure_-(21)	JUNCTION	6.16	5.00	100.0	Yes
Structure_-(210)	JUNCTION	3.65	5.00	100.0	Yes
Structure_-(211)	JUNCTION	4.03	5.00	100.0	Yes
Structure_-(212)	JUNCTION	4.62	5.00	100.0	Yes
Structure_-(213)	JUNCTION	5.25	5.00	100.0	Yes
Structure_-(214)	JUNCTION	6.13	5.00	100.0	Yes
Structure_-(215)	JUNCTION	0.93	9.12	100.0	Yes
Structure_-(216)	JUNCTION	1.11	5.00	100.0	Yes
Structure_-(217)	JUNCTION	1.91	5.00	100.0	Yes
Structure_-(218)	JUNCTION	2.40	5.00	100.0	Yes
Structure_-(219)	JUNCTION	3.42	5.00	100.0	Yes
Structure_-(220)	JUNCTION	3.91	5.00	100.0	Yes
Structure_-(221)	JUNCTION	4.42	5.00	100.0	Yes
Structure_-(222)	JUNCTION	4.96	5.00	100.0	Yes
Structure_-(223)	JUNCTION	5.46	5.00	100.0	Yes
Structure_-(23)	JUNCTION	14.48	0.25	100.0	
Structure_-(230)	JUNCTION	-0.26	11.22	100.0	Yes
Structure_-(231)	JUNCTION	0.55	9.83	100.0	Yes
Structure_-(232)	JUNCTION	1.36	9.03	100.0	Yes

Structure_-(233)	JUNCTION	1.06	7.30	100.0	Yes
Structure_-(234)	JUNCTION	2.15	6.18	100.0	Yes
Structure_-(235)	JUNCTION	2.79	5.91	100.0	Yes
Structure_-(236)	JUNCTION	3.35	5.25	100.0	Yes
Structure_-(237)	JUNCTION	3.70	5.00	100.0	Yes
Structure_-(238)	JUNCTION	4.03	5.00	100.0	Yes
Structure_-(239)	JUNCTION	4.62	5.00	100.0	
Structure_-(24)	JUNCTION	14.47	5.00	100.0	
Structure_-(240)	JUNCTION	5.34	5.00	100.0	Yes
Structure_-(241)	JUNCTION	6.13	5.00	100.0	Yes
Structure_-(242)	JUNCTION	3.20	5.00	100.0	Yes
Structure_-(243)	JUNCTION	3.76	6.82	100.0	Yes
Structure_-(244)	JUNCTION	4.68	6.60	100.0	Yes
Structure_-(245)	JUNCTION	4.95	6.00	100.0	Yes
Structure_-(246)	JUNCTION	1.38	8.96	100.0	Yes
Structure_-(247)	JUNCTION	1.58	5.00	100.0	Yes
Structure_-(248)	JUNCTION	2.15	5.00	100.0	Yes
Structure_-(249)	JUNCTION	2.79	5.00	100.0	Yes
Structure_-(25)	JUNCTION	14.40	0.50	100.0	
Structure_-(250)	JUNCTION	3.35	5.00	100.0	Yes
Structure_-(251)	JUNCTION	3.70	5.00	100.0	Yes
Structure_-(252)	JUNCTION	4.03	5.00	100.0	Yes
Structure_-(253)	JUNCTION	4.59	5.00	100.0	Yes
Structure_-(254)	JUNCTION	5.25	5.00	100.0	Yes
Structure_-(255)	JUNCTION	6.13	5.00	100.0	Yes
Structure_-(256)	JUNCTION	0.93	9.63	100.0	Yes
Structure_-(257)	JUNCTION	1.11	5.00	100.0	Yes
Structure_-(258)	JUNCTION	1.91	5.00	100.0	Yes
Structure_-(259)	JUNCTION	2.40	5.00	100.0	Yes
Structure_-(26)	JUNCTION	14.08	0.50	100.0	
Structure_-(260)	JUNCTION	3.42	5.00	100.0	Yes
Structure_-(261)	JUNCTION	3.91	5.00	100.0	Yes
Structure_-(262)	JUNCTION	4.42	5.00	100.0	Yes
Structure_-(263)	JUNCTION	4.96	5.00	100.0	Yes
Structure_-(264)	JUNCTION	5.46	5.00	100.0	Yes
Structure_-(265)	JUNCTION	6.13	5.00	100.0	Yes
Structure_-(266)	JUNCTION	6.79	5.99	100.0	Yes
Structure_-(267)	JUNCTION	6.79	5.00	100.0	
Structure_-(268)	JUNCTION	7.28	5.00	100.0	Yes
Structure_-(269)	JUNCTION	7.49	5.00	100.0	Yes
Structure_-(27)	JUNCTION	13.18	0.50	100.0	
Structure_-(270)	JUNCTION	7.42	5.00	100.0	Yes
Structure_-(273)	JUNCTION	11.13	5.00	100.0	Yes
Structure_-(274)	JUNCTION	10.63	5.00	100.0	Yes
Structure_-(275)	JUNCTION	10.45	5.00	100.0	Yes
Structure_-(276)	JUNCTION	9.27	5.00	100.0	Yes
Structure_-(277)	JUNCTION	8.39	5.85	100.0	Yes
Structure_-(278)	JUNCTION	7.66	6.47	100.0	Yes
Structure_-(28)	JUNCTION	13.06	0.50	100.0	
Structure_-(287)	JUNCTION	10.45	5.00	100.0	Yes
Structure_-(288)	JUNCTION	11.23	5.00	100.0	Yes
Structure_-(29)	JUNCTION	12.99	0.50	100.0	
Structure_-(298)	JUNCTION	10.43	5.00	100.0	Yes

Structure_-(3)	JUNCTION	6.95	5.07	100.0	Yes
Structure_-(30)	JUNCTION	12.70	0.50	100.0	
Structure_-(305)	JUNCTION	10.68	5.00	100.0	Yes
Structure_-(306)	JUNCTION	11.73	5.00	100.0	Yes
Structure_-(31)	JUNCTION	11.93	0.50	100.0	
Structure_-(319)	JUNCTION	6.31	5.00	100.0	Yes
Structure_-(32)	JUNCTION	11.54	0.50	100.0	
Structure_-(320)	JUNCTION	6.16	5.00	100.0	Yes
Structure_-(325)	JUNCTION	5.48	5.00	100.0	Yes
Structure_-(326)	JUNCTION	7.45	5.00	100.0	Yes
Structure_-(33)	JUNCTION	11.34	0.50	100.0	
Structure_-(331)	JUNCTION	8.05	5.00	100.0	Yes
Structure_-(332)	JUNCTION	8.05	5.00	100.0	Yes
Structure_-(333)	JUNCTION	6.72	5.00	100.0	Yes
Structure_-(34)	JUNCTION	10.58	0.50	100.0	
Structure_-(341)	JUNCTION	6.44	7.90	100.0	Yes
Structure_-(35)	JUNCTION	9.28	0.50	100.0	
Structure_-(37)	JUNCTION	8.81	6.29	100.0	Yes
Structure_-(370)	JUNCTION	8.23	5.00	100.0	Yes
Structure_-(371)	JUNCTION	8.41	5.00	100.0	Yes
Structure_-(372)	JUNCTION	10.48	5.00	100.0	Yes
Structure_-(373)	JUNCTION	8.15	5.00	100.0	Yes
Structure_-(374)	JUNCTION	8.94	6.40	100.0	Yes
Structure_-(375)	JUNCTION	8.64	6.40	100.0	Yes
Structure_-(376)	JUNCTION	8.40	6.40	100.0	Yes
Structure_-(377)	JUNCTION	8.10	6.82	100.0	Yes
Structure_-(378)	JUNCTION	7.73	6.40	100.0	Yes
Structure_-(379)	JUNCTION	2.31	10.70	100.0	Yes
Structure_-(38)	JUNCTION	8.52	5.00	100.0	Yes
Structure_-(380)	JUNCTION	3.13	8.70	100.0	Yes
Structure_-(381)	JUNCTION	2.95	10.00	100.0	
Structure_-(389)	JUNCTION	11.23	5.00	100.0	Yes
Structure_-(39)	JUNCTION	8.41	7.14	100.0	Yes
Structure_-(390)	JUNCTION	11.23	5.00	100.0	Yes
Structure_-(391)	JUNCTION	10.75	5.00	100.0	Yes
Structure_-(392)	JUNCTION	6.74	8.39	100.0	Yes
Structure_-(393)	JUNCTION	5.80	9.07	100.0	Yes
Structure_-(394)	JUNCTION	4.05	10.98	100.0	Yes
Structure_-(395)	JUNCTION	2.29	10.70	100.0	Yes
Structure_-(396)	JUNCTION	11.62	5.00	100.0	Yes
Structure_-(397)	JUNCTION	8.80	5.00	100.0	Yes
Structure_-(398)	JUNCTION	6.70	5.00	100.0	Yes
Structure_-(399)	JUNCTION	7.38	5.00	100.0	Yes
Structure_-(4)	JUNCTION	6.69	6.17	100.0	Yes
Structure_-(40)	JUNCTION	8.23	6.49	100.0	Yes
Structure_-(400)	JUNCTION	7.90	5.00	100.0	Yes
Structure_-(401)	JUNCTION	9.70	5.00	100.0	Yes
Structure_-(404)	JUNCTION	11.04	5.00	100.0	Yes
Structure_-(405)	JUNCTION	11.84	5.00	100.0	Yes
Structure_-(407)	JUNCTION	8.80	5.00	100.0	Yes
Structure_-(408)	JUNCTION	9.47	5.00	100.0	Yes
Structure_-(41)	JUNCTION	6.04	8.46	100.0	Yes
Structure_-(42)	JUNCTION	6.00	8.33	100.0	Yes



Structure_-(426)	JUNCTION	6.36	5.00	100.0	Yes
Structure_-(427)	JUNCTION	5.22	6.00	100.0	Yes
Structure_-(43)	JUNCTION	5.46	6.72	100.0	Yes
Structure_-(431)	JUNCTION	-5.37	2.50	100.0	
Structure_-(432)	JUNCTION	-5.03	2.50	100.0	
Structure_-(433)	JUNCTION	-4.71	2.50	100.0	
Structure_-(434)	JUNCTION	-3.55	2.50	100.0	
Structure_-(435)	JUNCTION	-3.54	2.50	100.0	
Structure_-(44)	JUNCTION	5.22	9.29	100.0	Yes
Structure_-(446)	JUNCTION	9.97	1.67	100.0	
Structure_-(447)	JUNCTION	9.60	1.50	100.0	
Structure_-(448)	JUNCTION	9.29	1.50	100.0	
Structure_-(449)	JUNCTION	7.30	1.50	100.0	
Structure_-(45)	JUNCTION	5.18	5.00	100.0	Yes
Structure_-(450)	JUNCTION	6.70	1.50	100.0	
Structure_-(451)	JUNCTION	6.50	1.50	100.0	
Structure_-(453)	JUNCTION	3.95	5.00	100.0	
Structure_-(454)	JUNCTION	3.94	5.00	100.0	
Structure_-(455)	JUNCTION	3.93	5.00	100.0	
Structure_-(456)	JUNCTION	3.73	5.00	100.0	
Structure_-(457)	JUNCTION	3.63	5.00	100.0	
Structure_-(458)	JUNCTION	3.40	5.00	100.0	
Structure_-(459)	JUNCTION	6.67	1.67	100.0	
Structure_-(46)	JUNCTION	5.11	5.00	100.0	Yes
Structure_-(460)	JUNCTION	6.63	1.67	100.0	
Structure_-(461)	JUNCTION	6.03	1.67	100.0	
Structure_-(462)	JUNCTION	5.88	1.67	100.0	
Structure_-(463)	JUNCTION	4.13	1.67	100.0	
Structure_-(469)	JUNCTION	3.50	5.00	100.0	Yes
Structure_-(47)	JUNCTION	4.65	8.45	100.0	Yes
Structure_-(470)	JUNCTION	7.10	5.00	100.0	Yes
Structure_-(471)	JUNCTION	7.27	5.00	100.0	Yes
Structure_-(472)	JUNCTION	7.40	5.00	100.0	Yes
Structure_-(473)	JUNCTION	7.49	5.00	100.0	Yes
Structure_-(475)	JUNCTION	3.08	11.58	100.0	Yes
Structure_-(476)	JUNCTION	2.97	11.74	100.0	Yes
Structure_-(477)	JUNCTION	2.65	11.74	100.0	Yes
Structure_-(478)	JUNCTION	2.32	10.85	100.0	
Structure_-(481)	JUNCTION	4.00	5.00	100.0	
Structure_-(482)	JUNCTION	4.05	5.00	100.0	
Structure_-(483)	JUNCTION	4.10	5.00	100.0	
Structure_-(484)	JUNCTION	4.22	5.00	100.0	
Structure_-(485)	JUNCTION	4.25	5.00	100.0	
Structure_-(487)	JUNCTION	2.78	11.62	100.0	Yes
Structure_-(489)	JUNCTION	2.74	11.26	100.0	Yes
Structure_-(490)	JUNCTION	11.23	5.00	100.0	Yes
Structure_-(495)	JUNCTION	10.04	5.00	100.0	
Structure_-(5)	JUNCTION	6.37	7.65	100.0	Yes
Structure_-(50)	JUNCTION	4.20	8.20	100.0	Yes
Structure_-(502)	JUNCTION	8.46	5.00	100.0	Yes
Structure_-(503)	JUNCTION	4.71	9.38	100.0	Yes
Structure_-(51)	JUNCTION	3.94	8.28	100.0	Yes
Structure_-(52)	JUNCTION	3.72	7.10	100.0	Yes

Structure_-(53)	JUNCTION	3.71	8.45	100.0	
Structure_-(54)	JUNCTION	3.93	8.20	100.0	
Structure_-(56)	JUNCTION	9.08	5.00	100.0	Yes
Structure_-(57)	JUNCTION	9.29	5.00	100.0	Yes
Structure_-(58)	JUNCTION	9.39	5.00	100.0	Yes
Structure_-(59)	JUNCTION	9.70	5.00	100.0	Yes
Structure_-(6)	JUNCTION	5.70	5.02	100.0	Yes
Structure_-(60)	JUNCTION	9.82	5.00	100.0	Yes
Structure_-(61)	JUNCTION	9.92	5.00	100.0	Yes
Structure_-(62)	JUNCTION	10.02	5.00	100.0	Yes
Structure_-(63)	JUNCTION	10.27	5.00	100.0	Yes
Structure_-(7)	JUNCTION	5.35	5.78	100.0	Yes
Structure_-(70)	JUNCTION	8.89	5.00	100.0	Yes
Structure_-(71)	JUNCTION	10.00	5.00	100.0	Yes
Structure_-(72)	JUNCTION	10.06	5.00	100.0	Yes
Structure_-(73)	JUNCTION	10.33	5.00	100.0	Yes
Structure_-(74)	JUNCTION	10.57	5.00	100.0	Yes
Structure_-(75)	JUNCTION	10.81	5.00	100.0	Yes
Structure_-(76)	JUNCTION	11.05	5.00	100.0	Yes
Structure_-(77)	JUNCTION	11.29	5.00	100.0	Yes
Structure_-(78)	JUNCTION	11.53	5.00	100.0	Yes
Structure_-(79)	JUNCTION	8.72	5.00	100.0	Yes
Structure_-(8)	JUNCTION	5.10	8.03	100.0	Yes
Structure_-(80)	JUNCTION	9.01	5.00	100.0	Yes
Structure_-(81)	JUNCTION	9.25	5.00	100.0	Yes
Structure_-(82)	JUNCTION	9.49	5.00	100.0	Yes
Structure_-(83)	JUNCTION	9.73	5.37	100.0	Yes
Structure_-(84)	JUNCTION	9.97	5.00	100.0	Yes
Structure_-(85)	JUNCTION	10.21	5.00	100.0	Yes
Structure_-(86)	JUNCTION	7.30	5.00	100.0	Yes
Structure_-(87)	JUNCTION	7.38	5.00	100.0	Yes
Structure_-(88)	JUNCTION	7.56	5.00	100.0	Yes
Structure_-(89)	JUNCTION	7.65	5.00	100.0	Yes
Structure_-(9)	JUNCTION	4.82	8.93	100.0	Yes
Structure_-(90)	JUNCTION	7.79	5.00	100.0	Yes
Structure_-(92)	JUNCTION	8.90	5.00	100.0	Yes
Structure_-(93)	JUNCTION	9.26	5.00	100.0	Yes
Structure_-(94)	JUNCTION	9.43	5.00	100.0	Yes
Structure_-(95)	JUNCTION	9.45	5.00	100.0	Yes
Structure_-(96)	JUNCTION	9.60	5.00	100.0	Yes
Structure_-(97)	JUNCTION	9.95	5.00	100.0	Yes
Structure_-(98)	JUNCTION	10.13	5.00	100.0	Yes
Structure_-(99)	JUNCTION	10.32	5.00	100.0	
Structure520	JUNCTION	4.37	5.00	100.0	Yes
Structure521	JUNCTION	1.73	5.00	100.0	Yes
Structure522	JUNCTION	2.08	5.00	100.0	Yes
Structure587	JUNCTION	2.37	5.00	100.0	Yes
Structure593	JUNCTION	2.35	5.00	100.0	Yes
Structure602	JUNCTION	4.68	5.00	100.0	
5_Dummy_Outlet	OUTFALL	0.00	0.00	0.0	
C_Dummy_Outlet	OUTFALL	0.00	0.00	0.0	
D_Dummy_Outlet	OUTFALL	0.00	0.00	0.0	
E_Dummy_Outlet	OUTFALL	0.00	0.00	0.0	

F_Dummy_Outlet	OUTFALL	0.00	0.00	0.0
G_Dummy_Outlet	OUTFALL	0.00	0.00	0.0
H_Dummy_Outlet	OUTFALL	0.00	0.00	0.0
Outfall_002A	OUTFALL	-14.87	2.50	0.0
Outfall003	OUTFALL	-3.00	6.85	0.0
Facility77_Inlet	STORAGE	-8.05	20.47	0.0
PSC_Sump	STORAGE	0.50	17.13	0.0
RetenionPond	STORAGE	6.50	9.50	0.0

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Link Summary

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Name	From Node	To Node	Type	Length
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%Slope	Roughness				Length
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172_to_Inlet		Structure_-(172)	Facility77_Inlet	CONDUIT	1.0
505.0000	0.0120				
278_to_PS_B		Structure_-(278)	Structure602	CONDUIT	45.0
6.6422	0.0120				
381_to_PS77		Structure_-(381)	Facility77_Inlet	CONDUIT	1.0
0.1000	0.0120				
458_to_Inlet		Structure_-(458)	Facility77_Inlet	CONDUIT	1.0
-344.9600	0.0140				
469_to_Inlet		Structure_-(469)	Facility77_Inlet	CONDUIT	1.0
505.0000	0.0120				
Culvert11		Ditch9_10_11	Culvert_Ditch11	CONDUIT	40.0
0.0025	0.0240				
Culvert12		Ditch11_12	Culvert_Ditch12	CONDUIT	30.0
0.0033	0.0240				
Culvert12a		Culvert_Ditch12a	Culvert_Ditch12b	CONDUIT	30.0
0.0033	0.0240				
Culvert12c		Culvert_Ditch12c	Ditch12_18	CONDUIT	30.0
0.0033	0.0240				
Ditch_77		Structure587	Structure593	CONDUIT	173.0
0.0116	0.0250				
Ditch10		Ditch10_Inlet	Ditch9_10_11	CONDUIT	250.0
0.1840	0.0250				
Ditch11		Culvert_Ditch11	Ditch11_12	CONDUIT	90.0
0.4000	0.0250				
Ditch12		Culvert_Ditch12b	Culvert_Ditch12c	CONDUIT	260.0
0.7269	0.0250				
Ditch12a		Culvert_Ditch12	Culvert_Ditch12a	CONDUIT	110.0
0.5364	0.0250				
Ditch13		Structure521	Structure522	CONDUIT	170.0
0.0006	0.0250				
Ditch14		Structure_-(242)	Ditch14_15	CONDUIT	330.0
0.3030	0.0250				
Ditch15		Ditch14_15	Ditch15_16	CONDUIT	318.0
0.1761	0.0250				
Ditch16		Ditch15_16	Ditch16_17	CONDUIT	350.0

0.2800	0.0250				
Ditch17		Ditch16_17	Ditch17_5_6	CONDUIT	155.0
0.6065	0.0250				
Ditch18		Ditch12_18	PS004	CONDUIT	180.0
0.6333	0.0250				
Ditch2		Ditch1_2	Ditch2_3	CONDUIT	844.0
0.0001	0.0250				
Ditch3		Ditch2_3	Ditch3_Out	CONDUIT	905.0
0.1105	0.0250				
Ditch3_4		Ditch3_Out	Ditch4_Out	CONDUIT	127.0
-1.5750	0.0250				
Ditch4		Ditch4_In	Ditch4_Berm	CONDUIT	1975.0
0.0506	0.0250				
Ditch4_489		Ditch4_Out	Structure_-(489)	CONDUIT	715.0
0.0001	0.0250				
Ditch5		Ditch5_Inlet	Ditch17_5_6	CONDUIT	1015.0
0.0995	0.0250				
Ditch6		Ditch17_5_6	Ditch6_7	CONDUIT	165.0
0.0006	0.0250				
Ditch7		Ditch6_7	Ditch7_8	CONDUIT	525.0
0.1562	0.0250				
Ditch8		Ditch7_8	Outfall003	CONDUIT	183.0
0.3716	0.0250				
Ditch9		Ditch9_Inlet	Ditch9_10_11	CONDUIT	795.0
0.6440	0.0250				
Facility73_to_Pond		Structure_-(451)	RetenionPond	CONDUIT	1.0
0.1000	0.0100				
Pipe_-(1)		Structure_-(1)	Structure_-(2)	CONDUIT	56.5
0.1947	0.0120				
Pipe_-(10)		Structure_-(10)	Structure_-(503)	CONDUIT	163.2
0.0184	0.0220				
Pipe_-(10)_-(1)		Structure_-(503)	Structure602	CONDUIT	25.9
0.1159	0.0220				
Pipe_-(117)		Structure_-(123)	Structure_-(52)	CONDUIT	196.2
1.7190	0.0120				
Pipe_-(118)		Structure_-(124)	Structure_-(123)	CONDUIT	70.2
0.3420	0.0120				
Pipe_-(119)		Structure_-(125)	Structure_-(124)	CONDUIT	234.0
0.9060	0.0120				
Pipe_-(120)		Structure_-(126)	Structure_-(125)	CONDUIT	136.0
0.2206	0.0120				
Pipe_-(122)		Structure_-(128)	Structure_-(126)	CONDUIT	203.0
0.4975	0.0120				
Pipe_-(123)		Structure_-(129)	Structure_-(128)	CONDUIT	212.0
0.7925	0.0120				
Pipe_-(124)		Structure_-(130)	Structure_-(123)	CONDUIT	151.3
0.3965	0.0120				
Pipe_-(125)		Structure_-(131)	Structure_-(130)	CONDUIT	40.0
1.3001	0.0120				
Pipe_-(126)		Structure_-(132)	Structure_-(131)	CONDUIT	46.5
1.7207	0.0120				
Pipe_-(127)		Structure_-(133)	Structure_-(125)	CONDUIT	166.0
0.4819	0.0120				

Pipe_-(128)	Structure_-(134)	Structure_-(133)	CONDUIT	119.0
0.7815	0.0120			
Pipe_-(130)	Structure_-(136)	Structure_-(133)	CONDUIT	94.3
2.2159	0.0120			
Pipe_-(133)	Structure_-(139)	Structure_-(53)	CONDUIT	9.5
1.6802	0.0120			
Pipe_-(134)	Structure_-(140)	Structure_-(139)	CONDUIT	48.5
0.2062	0.0120			
Pipe_-(135)	Structure_-(141)	Structure_-(140)	CONDUIT	38.7
0.2069	0.0120			
Pipe_-(136)	Structure_-(142)	Structure_-(141)	CONDUIT	33.0
3.4645	0.0120			
Pipe_-(137)	Structure_-(143)	Structure_-(142)	CONDUIT	32.0
2.9942	0.0120			
Pipe_-(138)	Structure_-(144)	Structure_-(143)	CONDUIT	12.0
3.0005	0.0120			
Pipe_-(153)	Structure_-(161)	Structure_-(162)	CONDUIT	160.0
0.8000	0.0120			
Pipe_-(154)	Structure_-(162)	Structure_-(163)	CONDUIT	125.0
0.8240	0.0120			
Pipe_-(155)	Structure_-(163)	Structure_-(164)	CONDUIT	177.0
0.5028	0.0120			
Pipe_-(156)	Structure_-(164)	Structure_-(165)	CONDUIT	144.0
0.3333	0.0120			
Pipe_-(157)	Structure_-(165)	Structure_-(166)	CONDUIT	126.0
0.3968	0.0120			
Pipe_-(158)	Structure_-(166)	Structure_-(167)	CONDUIT	203.0
0.3498	0.0120			
Pipe_-(159)	Structure_-(167)	Structure_-(168)	CONDUIT	127.0
0.7402	0.0120			
Pipe_-(160)	Structure_-(168)	Structure_-(169)	CONDUIT	186.0
0.1989	0.0120			
Pipe_-(161)	Structure_-(169)	Structure_-(170)	CONDUIT	94.0
0.1915	0.0120			
Pipe_-(162)	Structure_-(170)	Structure_-(171)	CONDUIT	13.1
7.9514	0.0120			
Pipe_-(163)	Structure_-(171)	Structure_-(172)	CONDUIT	174.5
0.8151	0.0120			
Pipe_-(164)	Structure_-(173)	Structure_-(171)	CONDUIT	120.9
3.2200	0.0120			
Pipe_-(165)	Structure_-(174)	Structure_-(173)	CONDUIT	122.7
0.6440	0.0120			
Pipe_-(166)	Structure_-(175)	Structure_-(174)	CONDUIT	101.0
0.2575	0.0120			
Pipe_-(167)	Structure_-(176)	Structure_-(175)	CONDUIT	132.0
0.8182	0.0120			
Pipe_-(168)	Structure_-(177)	Structure_-(176)	CONDUIT	250.0
0.4000	0.0120			
Pipe_-(169)	Structure_-(178)	Structure_-(177)	CONDUIT	248.0
0.4426	0.0120			
Pipe_-(170)	Structure_-(179)	Structure_-(178)	CONDUIT	225.0
0.4444	0.0120			
Pipe_-(171)	Structure_-(180)	Structure_-(179)	CONDUIT	240.0

0.1010	0.0120				
Pipe_-(172)		Structure_-(181)	Structure_-(180)	CONDUIT	260.0
0.6308	0.0120				
Pipe_-(18)		Structure_-(19)	Structure_-(10)	CONDUIT	139.0
0.2248	0.0120				
Pipe_-(19)		Structure_-(20)	Structure_-(8)	CONDUIT	335.3
0.1998	0.0120				
Pipe_-(196)		Structure_-(205)	Structure_-(174)	CONDUIT	15.0
3.7359	0.0120				
Pipe_-(197)		Structure_-(206)	Structure_-(205)	CONDUIT	92.0
0.1957	0.0120				
Pipe_-(198)		Structure_-(207)	Structure_-(206)	CONDUIT	186.0
0.4140	0.0120				
Pipe_-(199)		Structure_-(208)	Structure_-(207)	CONDUIT	127.0
0.7402	0.0120				
Pipe_-(2)		Structure_-(2)	Structure_-(3)	CONDUIT	179.1
0.2011	0.0120				
Pipe_-(20)		Structure_-(21)	Structure_-(20)	CONDUIT	196.6
0.1984	0.0120				
Pipe_-(200)		Structure_-(209)	Structure_-(208)	CONDUIT	203.0
0.3498	0.0120				
Pipe_-(201)		Structure_-(210)	Structure_-(209)	CONDUIT	126.0
0.3571	0.0120				
Pipe_-(202)		Structure_-(211)	Structure_-(210)	CONDUIT	144.0
0.3681	0.0120				
Pipe_-(203)		Structure_-(212)	Structure_-(211)	CONDUIT	177.0
0.5028	0.0120				
Pipe_-(204)		Structure_-(213)	Structure_-(212)	CONDUIT	125.0
0.8240	0.0120				
Pipe_-(205)		Structure_-(214)	Structure_-(213)	CONDUIT	160.0
0.8000	0.0120				
Pipe_-(206)		Structure_-(215)	Structure_-(173)	CONDUIT	13.0
5.5484	0.0120				
Pipe_-(207)		Structure_-(216)	Structure_-(215)	CONDUIT	94.0
0.1915	0.0120				
Pipe_-(208)		Structure_-(217)	Structure_-(216)	CONDUIT	186.0
0.5645	0.0120				
Pipe_-(209)		Structure_-(218)	Structure_-(217)	CONDUIT	127.0
0.5039	0.0120				
Pipe_-(210)		Structure_-(219)	Structure_-(218)	CONDUIT	203.0
0.6256	0.0120				
Pipe_-(211)		Structure_-(220)	Structure_-(219)	CONDUIT	126.0
0.5079	0.0120				
Pipe_-(212)		Structure_-(221)	Structure_-(220)	CONDUIT	144.0
0.4583	0.0120				
Pipe_-(213)		Structure_-(222)	Structure_-(221)	CONDUIT	177.0
0.4181	0.0120				
Pipe_-(214)		Structure_-(223)	Structure_-(222)	CONDUIT	125.0
0.5200	0.0120				
Pipe_-(215)		Structure520	Structure_-(223)	CONDUIT	161.7
0.4994	0.0120				
Pipe_-(22)		Structure_-(23)	Structure_-(24)	CONDUIT	4.4
0.2279	0.0100				

Pipe_-(221)	Structure_-(230)	Structure_-(171)	CONDUIT	124.5
1.8642	0.0120			
Pipe_-(222)	Structure_-(231)	Structure_-(230)	CONDUIT	122.7
1.0661	0.0100			
Pipe_-(223)	Structure_-(232)	Structure_-(231)	CONDUIT	124.1
1.0558	0.0120			
Pipe_-(224)	Structure_-(233)	Structure_-(232)	CONDUIT	108.3
0.6002	0.0120			
Pipe_-(225)	Structure_-(234)	Structure_-(233)	CONDUIT	184.8
0.6995	0.0120			
Pipe_-(226)	Structure_-(235)	Structure_-(234)	CONDUIT	127.0
0.7402	0.0120			
Pipe_-(227)	Structure_-(236)	Structure_-(235)	CONDUIT	203.0
0.3498	0.0120			
Pipe_-(228)	Structure_-(237)	Structure_-(236)	CONDUIT	120.0
0.4167	0.0120			
Pipe_-(229)	Structure_-(238)	Structure_-(237)	CONDUIT	150.0
0.3200	0.0120			
Pipe_-(23)	Structure_-(24)	Structure_-(25)	CONDUIT	34.4
0.2036	0.0100			
Pipe_-(230)	Structure_-(239)	Structure_-(238)	CONDUIT	177.0
0.5028	0.0120			
Pipe_-(231)	Structure_-(240)	Structure_-(239)	CONDUIT	125.0
0.8960	0.0120			
Pipe_-(232)	Structure_-(241)	Structure_-(240)	CONDUIT	160.0
0.7438	0.0120			
Pipe_-(234)	Structure_-(243)	Structure_-(242)	CONDUIT	124.0
0.4759	0.0120			
Pipe_-(235)	Structure_-(244)	Structure_-(243)	CONDUIT	98.1
1.0605	0.0120			
Pipe_-(236)	Structure_-(245)	Structure_-(244)	CONDUIT	97.7
0.2763	0.0120			
Pipe_-(237)	Structure_-(246)	Structure_-(231)	CONDUIT	13.0
12.7170	0.0120			
Pipe_-(238)	Structure_-(247)	Structure_-(246)	CONDUIT	94.0
0.2153	0.0120			
Pipe_-(239)	Structure_-(248)	Structure_-(247)	CONDUIT	186.0
0.4140	0.0120			
Pipe_-(24)	Structure_-(25)	Structure_-(26)	CONDUIT	158.8
0.2016	0.0100			
Pipe_-(240)	Structure_-(249)	Structure_-(248)	CONDUIT	127.0
0.7402	0.0120			
Pipe_-(241)	Structure_-(250)	Structure_-(249)	CONDUIT	203.0
0.3498	0.0120			
Pipe_-(242)	Structure_-(251)	Structure_-(250)	CONDUIT	126.0
0.3968	0.0120			
Pipe_-(243)	Structure_-(252)	Structure_-(251)	CONDUIT	144.0
0.3333	0.0120			
Pipe_-(244)	Structure_-(253)	Structure_-(252)	CONDUIT	177.0
0.4859	0.0120			
Pipe_-(245)	Structure_-(254)	Structure_-(253)	CONDUIT	125.0
0.8480	0.0120			
Pipe_-(246)	Structure_-(255)	Structure_-(254)	CONDUIT	160.0

0.8000	0.0120				
Pipe_-(247)		Structure_-(256)	Structure_-(230)	CONDUIT	13.0
18.2989	0.0120				
Pipe_-(248)		Structure_-(257)	Structure_-(256)	CONDUIT	94.0
0.1915	0.0120				
Pipe_-(249)		Structure_-(258)	Structure_-(257)	CONDUIT	186.0
0.5645	0.0120				
Pipe_-(25)		Structure_-(26)	Structure_-(27)	CONDUIT	449.4
0.2003	0.0100				
Pipe_-(250)		Structure_-(259)	Structure_-(258)	CONDUIT	127.0
0.5039	0.0120				
Pipe_-(251)		Structure_-(260)	Structure_-(259)	CONDUIT	203.0
0.6256	0.0120				
Pipe_-(252)		Structure_-(261)	Structure_-(260)	CONDUIT	126.0
0.5079	0.0120				
Pipe_-(253)		Structure_-(262)	Structure_-(261)	CONDUIT	144.0
0.4583	0.0120				
Pipe_-(254)		Structure_-(263)	Structure_-(262)	CONDUIT	177.0
0.4181	0.0120				
Pipe_-(255)		Structure_-(264)	Structure_-(263)	CONDUIT	125.0
0.5200	0.0120				
Pipe_-(256)		Structure_-(265)	Structure_-(264)	CONDUIT	160.0
0.5750	0.0120				
Pipe_-(257)		Structure_-(266)	Structure_-(265)	CONDUIT	130.4
0.5062	0.0120				
Pipe_-(258)		Structure_-(267)	Structure_-(266)	CONDUIT	24.6
0.0041	0.0120				
Pipe_-(259)		Structure_-(268)	Structure_-(267)	CONDUIT	101.0
0.4754	0.0120				
Pipe_-(26)		Structure_-(27)	Structure_-(28)	CONDUIT	58.2
0.2061	0.0100				
Pipe_-(260)		Structure_-(269)	Structure_-(268)	CONDUIT	41.9
0.5256	0.0100				
Pipe_-(261)		Structure_-(270)	Structure_-(267)	CONDUIT	135.0
0.4666	0.0120				
Pipe_-(264)		Structure_-(273)	Structure_-(274)	CONDUIT	172.7
0.1450	0.0120				
Pipe_-(265)		Structure_-(274)	Structure_-(275)	CONDUIT	102.1
0.1759	0.0120				
Pipe_-(266)		Structure_-(275)	Structure_-(276)	CONDUIT	121.8
0.3940	0.0120				
Pipe_-(267)		Structure_-(276)	Structure_-(277)	CONDUIT	159.0
0.3962	0.0120				
Pipe_-(268)		Structure_-(277)	Structure_-(278)	CONDUIT	127.9
0.5550	0.0120				
Pipe_-(27)		Structure_-(28)	Structure_-(29)	CONDUIT	35.7
0.1958	0.0100				
Pipe_-(277)		Structure_-(287)	Structure_-(277)	CONDUIT	134.5
2.7665	0.0120				
Pipe_-(278)		Structure_-(288)	Structure_-(287)	CONDUIT	122.3
0.8424	0.0120				
Pipe_-(28)		Structure_-(29)	Structure_-(30)	CONDUIT	143.4
0.2022	0.0100				



Pipe_-(285)	Structure_-(490)	Structure_-(287)	CONDUIT	143.8
0.7163	0.0120			
Pipe_-(288)	Structure_-(298)	Structure_-(276)	CONDUIT	241.1
0.6884	0.0120			
Pipe_-(29)	Structure_-(30)	Structure_-(31)	CONDUIT	387.2
0.1988	0.0100			
Pipe_-(295)	Structure_-(305)	Structure_-(277)	CONDUIT	54.0
7.4465	0.0120			
Pipe_-(296)	Structure_-(306)	Structure_-(305)	CONDUIT	153.1
0.6861	0.0120			
Pipe_-(3)	Structure_-(3)	Structure_-(4)	CONDUIT	130.0
0.2000	0.0120			
Pipe_-(30)	Structure_-(31)	Structure_-(32)	CONDUIT	197.5
0.1975	0.0100			
Pipe_-(307)	CB19	Structure_-(319)	CONDUIT	171.0
0.1755	0.0120			
Pipe_-(308)	Structure_-(319)	Structure_-(320)	CONDUIT	90.0
0.1667	0.0120			
Pipe_-(309)	Structure_-(320)	CB22	CONDUIT	88.1
0.1590	0.0120			
Pipe_-(31)	Structure_-(32)	Structure_-(33)	CONDUIT	99.5
0.2010	0.0100			
Pipe_-(310)	CB22	SDMH539	CONDUIT	153.2
1.0722	0.0120			
Pipe_-(311)	SDMH539	SDCB6003	CONDUIT	236.8
0.5913	0.0120			
Pipe_-(312)	SDCB6003	SDMH297	CONDUIT	178.1
0.2527	0.0120			
Pipe_-(313)	Structure_-(325)	Structure_-(319)	CONDUIT	155.6
0.0434	0.0120			
Pipe_-(314)	Structure_-(326)	Structure_-(325)	CONDUIT	112.8
1.0397	0.0120			
Pipe_-(319)	Structure_-(331)	Structure_-(319)	CONDUIT	70.0
3.6596	0.0100			
Pipe_-(32)	Structure_-(33)	Structure_-(34)	CONDUIT	379.9
0.2001	0.0100			
Pipe_-(320)	Structure_-(332)	Structure_-(320)	CONDUIT	60.0
4.7721	0.0100			
Pipe_-(321)	Structure_-(333)	CB22	CONDUIT	42.0
3.3352	0.0120			
Pipe_-(322)	CB30	Structure_-(333)	CONDUIT	89.0
0.5056	0.0120			
Pipe_-(323)	CB31	CB30	CONDUIT	185.0
0.1243	0.0120			
Pipe_-(327)	SDCB541	CB22	CONDUIT	38.0
0.2306	0.0120			
Pipe_-(328)	SDCB543	SDCB541	CONDUIT	143.6
0.6615	0.0120			
Pipe_-(329)	Structure_-(341)	SDCB543	CONDUIT	100.2
1.3780	0.0120			
Pipe_-(33)	Structure_-(34)	Structure_-(35)	CONDUIT	649.8
0.2001	0.0100			
Pipe_-(331)	SDMH538	SDMH539	CONDUIT	41.1

2.1925	0.0120				
Pipe_-(333)		SDMH540	SDMH539	CONDUIT	44.2
0.0906	0.0100				
Pipe_-(334)		CB33	SDMH540	CONDUIT	83.8
3.0348	0.0100				
Pipe_-(337)		SDMH299	SDMH297	CONDUIT	30.6
0.0654	0.0220				
Pipe_-(338)		Structure522	SDMH299	CONDUIT	222.9
0.0774	0.0220				
Pipe_-(34)		Structure_-(35)	Structure_-(56)	CONDUIT	98.9
0.2023	0.0100				
Pipe_-(340)		SDCB6005	SDCB6003	CONDUIT	185.6
3.1111	0.0100				
Pipe_-(35)		Structure_-(56)	Structure_-(37)	CONDUIT	137.2
0.1967	0.0120				
Pipe_-(358)		Structure_-(371)	Structure_-(370)	CONDUIT	36.6
0.4855	0.0100				
Pipe_-(359)		Structure_-(372)	Structure_-(371)	CONDUIT	689.8
0.3001	0.0100				
Pipe_-(36)		Structure_-(37)	Structure_-(38)	CONDUIT	146.8
0.1976	0.0120				
Pipe_-(360)		Structure_-(370)	Structure_-(373)	CONDUIT	34.4
0.2395	0.0100				
Pipe_-(361)		Structure_-(374)	Structure_-(375)	CONDUIT	42.5
0.6940	0.0100				
Pipe_-(362)		Structure_-(375)	Structure_-(376)	CONDUIT	27.3
0.8805	0.0100				
Pipe_-(363)		Structure_-(376)	Structure_-(377)	CONDUIT	46.1
0.6508	0.0100				
Pipe_-(364)		Structure_-(377)	Structure_-(378)	CONDUIT	69.7
0.5312	0.0100				
Pipe_-(365)		Structure_-(378)	Structure_-(379)	CONDUIT	62.4
6.6209	0.0100				
Pipe_-(366)		Structure_-(379)	Structure_-(380)	CONDUIT	115.7
-0.6657	0.0120				
Pipe_-(367)		Structure_-(380)	Structure_-(381)	CONDUIT	75.7
0.2377	0.0120				
Pipe_-(369)		Structure_-(502)	Structure_-(379)	CONDUIT	25.0
15.5846	0.0100				
Pipe_-(37)		Structure_-(38)	Structure_-(39)	CONDUIT	56.8
0.1937	0.0120				
Pipe_-(370)		Structure_-(478)	Structure_-(379)	CONDUIT	133.0
0.0075	0.0120				
Pipe_-(374)		Structure_-(389)	Structure_-(390)	CONDUIT	139.2
0.0007	0.0220				
Pipe_-(375)		Structure_-(390)	Structure_-(391)	CONDUIT	166.0
0.2892	0.0220				
Pipe_-(376)		Structure_-(396)	Structure_-(391)	CONDUIT	90.0
0.9667	0.0220				
Pipe_-(377)		Structure_-(392)	Structure_-(393)	CONDUIT	116.8
0.8052	0.0120				
Pipe_-(378)		Structure_-(393)	Structure_-(394)	CONDUIT	88.4
2.2076	0.0120				

Pipe_-(379)	Structure_-(394)	Structure_-(395)	CONDUIT	79.8
2.2051	0.0120			
Pipe_-(38)	Structure_-(39)	Structure_-(40)	CONDUIT	89.7
0.1981	0.0120			
Pipe_-(380)	Structure_-(391)	Structure_-(392)	CONDUIT	63.5
6.3263	0.0220			
Pipe_-(381)	Structure_-(397)	Structure_-(393)	CONDUIT	15.5
8.4382	0.0100			
Pipe_-(382)	Structure_-(398)	Structure_-(393)	CONDUIT	53.2
1.6905	0.0100			
Pipe_-(383)	Structure_-(399)	Structure_-(398)	CONDUIT	40.0
1.7002	0.0100			
Pipe_-(384)	Structure_-(400)	Structure_-(393)	CONDUIT	79.0
1.1395	0.0100			
Pipe_-(385)	Structure_-(401)	Structure_-(400)	CONDUIT	109.0
1.1923	0.0100			
Pipe_-(386)	Structure_-(404)	Structure_-(401)	CONDUIT	67.7
1.6840	0.0100			
Pipe_-(387)	Structure_-(405)	Structure_-(404)	CONDUIT	40.0
2.0004	0.0100			
Pipe_-(389)	Structure_-(407)	Structure_-(394)	CONDUIT	17.5
16.2439	0.0100			
Pipe_-(39)	Structure_-(40)	Structure_-(41)	CONDUIT	115.8
1.8909	0.0120			
Pipe_-(390)	Structure_-(96)	Structure_-(408)	CONDUIT	43.9
0.2909	0.0120			
Pipe_-(4)	Structure_-(4)	Structure_-(5)	CONDUIT	160.9
0.1989	0.0120			
Pipe_-(40)	Structure_-(41)	Structure_-(42)	CONDUIT	40.0
0.0999	0.0120			
Pipe_-(404)	Structure_-(426)	Structure593	CONDUIT	104.4
3.8451	0.0120			
Pipe_-(405)	Structure_-(427)	Structure_-(426)	CONDUIT	62.6
0.4152	0.0120			
Pipe_-(408)	Structure_-(431)	Outfall_002A	CONDUIT	950.0
1.0001	0.0100			
Pipe_-(409)	Structure_-(432)	Structure_-(431)	CONDUIT	68.3
0.4978	0.0100			
Pipe_-(41)	Structure_-(42)	Structure_-(43)	CONDUIT	199.0
0.2726	0.0120			
Pipe_-(410)	Structure_-(433)	Structure_-(432)	CONDUIT	62.9
0.5084	0.0100			
Pipe_-(411)	Structure_-(434)	Structure_-(433)	CONDUIT	230.9
0.5024	0.0100			
Pipe_-(412)	Structure_-(435)	Structure_-(434)	CONDUIT	2.7
0.3663	0.0100			
Pipe_-(42)	Structure_-(43)	Structure_-(44)	CONDUIT	122.0
0.1967	0.0120			
Pipe_-(423)	Structure_-(446)	Structure_-(447)	CONDUIT	73.6
0.5030	0.0100			
Pipe_-(424)	Structure_-(447)	Structure_-(448)	CONDUIT	63.1
0.4916	0.0100			
Pipe_-(425)	Structure_-(448)	Structure_-(449)	CONDUIT	396.9

0.5014	0.0100				
Pipe_-(426)		Structure_-(449)	Structure_-(450)	CONDUIT	119.9
0.5003	0.0100				
Pipe_-(427)		Structure_-(450)	Structure_-(451)	CONDUIT	41.3
0.4839	0.0100				
Pipe_-(429)		Structure_-(453)	Structure_-(454)	CONDUIT	11.8
0.0424	0.0100				
Pipe_-(43)		Structure_-(44)	Structure_-(45)	CONDUIT	19.0
0.2105	0.0120				
Pipe_-(430)		Structure_-(454)	Structure_-(455)	CONDUIT	27.1
0.0479	0.0100				
Pipe_-(431)		Structure_-(455)	Structure_-(456)	CONDUIT	161.9
0.1236	0.0100				
Pipe_-(432)		Structure_-(456)	Structure_-(457)	CONDUIT	40.0
0.2548	0.0140				
Pipe_-(433)		Structure_-(457)	Structure_-(458)	CONDUIT	167.8
0.1375	0.0140				
Pipe_-(434)		Facility77_PS	Structure_-(459)	CONDUIT	325.4
0.5010	0.0140				
Pipe_-(435)		Structure_-(459)	Structure_-(460)	CONDUIT	8.3
0.4844	0.0140				
Pipe_-(436)		Structure_-(460)	Structure_-(461)	CONDUIT	100.1
0.5992	0.0140				
Pipe_-(437)		Structure_-(461)	Structure_-(462)	CONDUIT	31.1
0.4828	0.0140				
Pipe_-(438)		Structure_-(462)	Structure_-(463)	CONDUIT	349.4
0.5009	0.0140				
Pipe_-(439)		Structure_-(463)	Structure_-(446)	CONDUIT	7.0
-154.9749	0.0140				
Pipe_-(44)		Structure_-(45)	Structure_-(46)	CONDUIT	34.0
0.2059	0.0120				
Pipe_-(443)		Structure_-(470)	Structure_-(469)	CONDUIT	101.0
3.5720	0.0120				
Pipe_-(444)		Structure_-(471)	Structure_-(470)	CONDUIT	38.1
0.4466	0.0120				
Pipe_-(445)		Structure_-(472)	Structure_-(471)	CONDUIT	26.9
0.4826	0.0120				
Pipe_-(446)		Structure_-(473)	Structure_-(472)	CONDUIT	17.0
0.5153	0.0120				
Pipe_-(447)		Structure_-(475)	Structure_-(476)	CONDUIT	23.2
0.4732	0.0100				
Pipe_-(448)		Structure_-(476)	Structure_-(477)	CONDUIT	64.1
0.4993	0.0100				
Pipe_-(449)		Structure_-(477)	Structure_-(478)	CONDUIT	65.6
0.5027	0.0100				
Pipe_-(45)		Structure_-(46)	Structure_-(47)	CONDUIT	102.3
0.4498	0.0240				
Pipe_-(450)		Structure593	Structure_-(478)	CONDUIT	68.2
0.0440	0.0120				
Pipe_-(452)		Structure_-(481)	Structure_-(453)	CONDUIT	1398.0
0.0036	0.0100				
Pipe_-(453)		Structure_-(482)	Structure_-(481)	CONDUIT	89.7
0.0558	0.0100				

Pipe_-(454)	Structure_-(483)	Structure_-(482)	CONDUIT	107.6
0.0465	0.0100			
Pipe_-(455)	Structure_-(484)	Structure_-(483)	CONDUIT	26.5
0.4524	0.0100			
Pipe_-(456)	Structure_-(485)	Structure_-(484)	CONDUIT	20.4
0.1473	0.0100			
Pipe_-(460)	Structure_-(487)	Structure_-(477)	CONDUIT	26.7
0.4866	0.0100			
Pipe_-(461)	Structure_-(395)	Structure587	CONDUIT	54.5
0.0018	0.0240			
Pipe_-(462)	Structure_-(489)	Structure_-(395)	CONDUIT	49.0
0.9193	0.0240			
Pipe_-(467)	SDMH297	SDMH301	CONDUIT	257.0
0.0700	0.0120			
Pipe_-(47)	Structure_-(47)	Structure_-(50)	CONDUIT	73.5
0.6123	0.0220			
Pipe_-(474)	Structure_-(98)	Structure_-(495)	CONDUIT	29.9
0.3010	0.0120			
Pipe_-(49)	Structure_-(50)	Structure_-(51)	CONDUIT	84.8
0.3065	0.0220			
Pipe_-(5)	Structure_-(5)	Structure_-(6)	CONDUIT	336.7
0.1990	0.0120			
Pipe_-(50)	Structure_-(51)	Structure_-(52)	CONDUIT	103.2
0.2132	0.0220			
Pipe_-(51)	Structure_-(52)	Structure_-(53)	CONDUIT	143.4
0.0070	0.0220			
Pipe_-(52)	Structure_-(53)	Structure_-(54)	CONDUIT	210.5
0.0131	0.0120			
Pipe_-(53)	Structure_-(54)	Facility77_Inlet	CONDUIT	122.3
0.3126	0.0220			
Pipe_-(54)	Structure_-(57)	Structure_-(56)	CONDUIT	105.3
0.1995	0.0120			
Pipe_-(55)	Structure_-(58)	Structure_-(57)	CONDUIT	51.9
0.1927	0.0120			
Pipe_-(56)	Structure_-(59)	Structure_-(58)	CONDUIT	154.5
0.2006	0.0120			
Pipe_-(57)	Structure_-(60)	Structure_-(59)	CONDUIT	60.0
0.2000	0.0120			
Pipe_-(58)	Structure_-(61)	Structure_-(60)	CONDUIT	48.0
0.2083	0.0120			
Pipe_-(59)	Structure_-(62)	Structure_-(61)	CONDUIT	50.4
0.1983	0.0120			
Pipe_-(6)	Structure_-(6)	Structure_-(7)	CONDUIT	172.8
0.2012	0.0120			
Pipe_-(60)	Structure_-(63)	Structure_-(62)	CONDUIT	125.3
0.1995	0.0120			
Pipe_-(65)	Structure_-(70)	Structure_-(37)	CONDUIT	40.0
0.1999	0.0120			
Pipe_-(66)	Structure_-(71)	Structure_-(70)	CONDUIT	54.1
2.0504	0.0120			
Pipe_-(67)	Structure_-(72)	Structure_-(71)	CONDUIT	30.2
0.1988	0.0120			
Pipe_-(68)	Structure_-(73)	Structure_-(72)	CONDUIT	134.3

0.2011	0.0120	Pipe_-(69)	Structure_-(74)	Structure_-(73)	CONDUIT	120.0
0.2000	0.0120	Pipe_-(7)	Structure_-(7)	Structure_-(8)	CONDUIT	122.8
0.2056	0.0140	Pipe_-(70)	Structure_-(75)	Structure_-(74)	CONDUIT	120.0
0.2000	0.0120	Pipe_-(71)	Structure_-(76)	Structure_-(75)	CONDUIT	120.0
0.2000	0.0120	Pipe_-(72)	Structure_-(77)	Structure_-(76)	CONDUIT	120.0
0.2000	0.0120	Pipe_-(73)	Structure_-(78)	Structure_-(77)	CONDUIT	120.0
0.2000	0.0120	Pipe_-(74)	Structure_-(79)	Structure_-(38)	CONDUIT	104.5
0.1913	0.0120	Pipe_-(75)	Structure_-(80)	Structure_-(79)	CONDUIT	143.3
0.2024	0.0120	Pipe_-(76)	Structure_-(81)	Structure_-(80)	CONDUIT	120.0
0.2000	0.0120	Pipe_-(77)	Structure_-(82)	Structure_-(81)	CONDUIT	120.0
0.2000	0.0120	Pipe_-(78)	Structure_-(83)	Structure_-(82)	CONDUIT	120.0
0.2000	0.0120	Pipe_-(79)	Structure_-(84)	Structure_-(83)	CONDUIT	120.0
0.2000	0.0120	Pipe_-(8)	Structure_-(8)	Structure_-(9)	CONDUIT	138.0
0.2029	0.0140	Pipe_-(80)	Structure_-(85)	Structure_-(84)	CONDUIT	120.0
0.2000	0.0120	Pipe_-(81)	Structure_-(86)	Structure_-(42)	CONDUIT	73.5
3.1325	0.0120	Pipe_-(82)	Structure_-(87)	Structure_-(86)	CONDUIT	22.4
0.3571	0.0120	Pipe_-(83)	Structure_-(88)	Structure_-(87)	CONDUIT	47.0
0.3830	0.0120	Pipe_-(84)	Structure_-(89)	Structure_-(88)	CONDUIT	27.4
0.3283	0.0120	Pipe_-(85)	Structure_-(90)	Structure_-(89)	CONDUIT	102.0
0.1349	0.0120	Pipe_-(87)	Structure_-(92)	Structure_-(90)	CONDUIT	49.7
2.2385	0.0120	Pipe_-(88)	Structure_-(93)	Structure_-(92)	CONDUIT	74.6
0.4824	0.0120	Pipe_-(89)	Structure_-(94)	Structure_-(93)	CONDUIT	42.4
0.4011	0.0120	Pipe_-(9)	Structure_-(9)	Structure_-(10)	CONDUIT	265.4
0.0301	0.0140	Pipe_-(90)	Structure_-(95)	Structure_-(94)	CONDUIT	16.9
0.1040	0.0120	Pipe_-(91)	Structure_-(408)	Structure_-(95)	CONDUIT	30.5
0.0735	0.0120	Pipe_-(92)	Structure_-(97)	Structure_-(96)	CONDUIT	118.4
0.2957	0.0120					

Pipe_-(93)	Structure_-(495)	Structure_-(97)	CONDUIT	29.5
0.3049	0.0120			
Pipe_-(94)	Structure_-(99)	Structure_-(98)	CONDUIT	63.1
0.3013	0.0120			
Pipe_-(95)	Structure_-(100)	Structure_-(99)	CONDUIT	98.8
0.3036	0.0120			
Pipe_-(96)	Structure_-(101)	Structure_-(100)	CONDUIT	16.8
0.2977	0.0120			
Pipe_-(97)	Structure_-(102)	Structure_-(99)	CONDUIT	59.7
0.3017	0.0120			
Pipe_PS_A	Structure_-(373)	Structure_-(485)	CONDUIT	10.0
42.3538	0.0100			
Pipe_PS_B	Structure602	Structure_-(47)	CONDUIT	280.0
0.0107	0.0140			
Pipe468	SDMH301	Ditch5_Inlet	CONDUIT	77.0
0.0649	0.0120			
Pipe483	SDCB294	Structure521	CONDUIT	80.1
0.9983	0.0120			
PSC_Overflow	PSC_Sump	Structure_-(489)	CONDUIT	142.0
6.5350	0.0220			
PSC_to_Outfall	PSC_Outlet	Structure_-(435)	CONDUIT	600.0
2.5075	0.0100			
004Pump1	PS004	Structure_-(23)	TYPE3 PUMP	
77Pump1	Facility77_Inlet	Facility77_PS	TYPE3 PUMP	
77Pump2	Facility77_Inlet	Facility77_PS	TYPE3 PUMP	
CPump1	PSC_Sump	PSC_Outlet	TYPE4 PUMP	
CPump2	PSC_Sump	PSC_Outlet	TYPE4 PUMP	
Ditch4_Connection	Ditch4_Berm	Ditch4_Out	WEIR	
PondOutlet	RetenionPond	PSC_Sump	OUTLET	

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Cross Section Summary

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of	Full		Full	Full	Hyd.	Max.	No.
Barrels	Conduit	Shape	Depth	Area	Rad.	Width	
	Flow						
1	172_to_Inlet	CIRCULAR	4.00	12.57	1.00	4.00	
	3496.98						
1	278_to_PS_B	CIRCULAR	2.25	3.98	0.56	2.25	
	86.47						
1	381_to_PS77	RECT_CLOSED	3.00	51.90	1.28	17.30	
	239.39						
1	458_to_Inlet	CIRCULAR	1.67	2.18	0.42	1.67	
	239.93						
1	469_to_Inlet	CIRCULAR	2.00	3.14	0.50	2.00	
	550.74						
1	Culvert11	CIRCULAR	1.00	0.79	0.25	1.00	
	0.10						

1	Culvert12 0.11	CIRCULAR	1.00	0.79	0.25	1.00
2	Culvert12a 0.33	CIRCULAR	1.50	1.77	0.38	1.50
1	Culvert12c 2.09	CIRCULAR	3.00	7.07	0.75	3.00
1	Ditch_77 22.12	TRAPEZOIDAL	1.30	36.54	0.92	39.42
1	Ditch10 97.22	TRAPEZOIDAL	2.60	28.99	1.51	18.30
1	Ditch11 155.02	TRAPEZOIDAL	1.90	32.40	1.44	21.80
1	Ditch12 258.40	TRAPEZOIDAL	2.90	40.37	1.42	27.84
1	Ditch12a 335.14	TRAPEZOIDAL	4.00	43.20	2.38	11.60
1	Ditch13 11.33	TRAPEZOIDAL	2.60	52.78	1.82	28.10
1	Ditch14 113.27	TRAPEZOIDAL	1.30	36.54	0.92	39.42
1	Ditch15 19.92	TRAPEZOIDAL	1.30	10.73	0.64	16.51
1	Ditch16 120.37	TRAPEZOIDAL	1.90	39.71	0.95	41.80
1	Ditch17 340.31	TRAPEZOIDAL	3.40	43.86	2.17	18.00
1	Ditch18 281.37	TRAPEZOIDAL	3.20	39.04	1.88	19.40
1	Ditch2 46.09	TRAPEZOIDAL	5.50	303.88	3.59	83.30
1	Ditch3 1449.75	TRAPEZOIDAL	10.00	250.00	5.03	45.00
1	Ditch3_4 2070.62	TRAPEZOIDAL	3.60	144.00	2.68	52.60
1	Ditch4 3353.86	TRAPEZOIDAL	10.00	700.00	6.78	100.00
1	Ditch4_489 87.88	TRAPEZOIDAL	11.00	374.00	6.11	56.00
1	Ditch5 420.61	TRAPEZOIDAL	4.90	104.86	3.13	31.20
1	Ditch6 55.49	TRAPEZOIDAL	7.00	152.95	3.90	35.85
1	Ditch7 713.90	TRAPEZOIDAL	6.00	130.80	3.54	34.10
1	Ditch8 917.65	TRAPEZOIDAL	6.85	117.31	3.17	34.25
1	Ditch9 373.61	TRAPEZOIDAL	2.50	59.06	1.53	38.25
	Facility73_to_Pond	FORCE_MAIN	1.33	1.40	0.33	1.33
1	Pipe_-(1) 5.02	CIRCULAR	1.50	1.77	0.38	1.50
1	Pipe_-(10)	CIRCULAR	3.00	7.07	0.75	3.00



1	5.34					
	Pipe_-(10)-(1)	CIRCULAR	3.00	7.07	0.75	3.00
1	13.42					
	Pipe_-(117)	CIRCULAR	1.75	2.41	0.44	1.75
1	22.51					
	Pipe_-(118)	CIRCULAR	1.75	2.41	0.44	1.75
1	10.04					
	Pipe_-(119)	CIRCULAR	1.75	2.41	0.44	1.75
1	16.34					
	Pipe_-(120)	CIRCULAR	1.25	1.23	0.31	1.25
1	3.29					
	Pipe_-(122)	CIRCULAR	1.25	1.23	0.31	1.25
1	4.94					
	Pipe_-(123)	CIRCULAR	1.00	0.79	0.25	1.00
1	3.44					
	Pipe_-(124)	CIRCULAR	1.00	0.79	0.25	1.00
1	2.43					
	Pipe_-(125)	CIRCULAR	1.00	0.79	0.25	1.00
1	4.40					
	Pipe_-(126)	CIRCULAR	1.00	0.79	0.25	1.00
1	5.06					
	Pipe_-(127)	CIRCULAR	1.25	1.23	0.31	1.25
1	4.86					
	Pipe_-(128)	CIRCULAR	1.00	0.79	0.25	1.00
1	3.41					
	Pipe_-(130)	CIRCULAR	1.00	0.79	0.25	1.00
1	5.75					
	Pipe_-(133)	CIRCULAR	1.00	0.79	0.25	1.00
1	5.00					
	Pipe_-(134)	CIRCULAR	1.00	0.79	0.25	1.00
1	1.75					
	Pipe_-(135)	CIRCULAR	1.00	0.79	0.25	1.00
1	1.76					
	Pipe_-(136)	CIRCULAR	1.00	0.79	0.25	1.00
1	7.18					
	Pipe_-(137)	CIRCULAR	1.00	0.79	0.25	1.00
1	6.68					
	Pipe_-(138)	CIRCULAR	1.00	0.79	0.25	1.00
1	6.69					
	Pipe_-(153)	CIRCULAR	1.00	0.79	0.25	1.00
1	3.45					
	Pipe_-(154)	CIRCULAR	1.25	1.23	0.31	1.25
1	6.35					
	Pipe_-(155)	CIRCULAR	1.50	1.77	0.38	1.50
1	8.07					
	Pipe_-(156)	CIRCULAR	1.75	2.41	0.44	1.75
1	9.91					
	Pipe_-(157)	CIRCULAR	1.75	2.41	0.44	1.75
1	10.81					
	Pipe_-(158)	CIRCULAR	1.75	2.41	0.44	1.75
1	10.15					
	Pipe_-(159)	CIRCULAR	1.75	2.41	0.44	1.75
1	14.77					

1	Pipe_-(160)	CIRCULAR	2.00	3.14	0.50	2.00
	10.93					
1	Pipe_-(161)	CIRCULAR	2.00	3.14	0.50	2.00
	10.72					
1	Pipe_-(162)	CIRCULAR	2.00	3.14	0.50	2.00
	69.11					
1	Pipe_-(163)	CIRCULAR	4.00	12.57	1.00	4.00
	140.50					
1	Pipe_-(164)	CIRCULAR	2.75	5.94	0.69	2.75
	102.81					
1	Pipe_-(165)	CIRCULAR	2.00	3.14	0.50	2.00
	19.67					
1	Pipe_-(166)	CIRCULAR	1.50	1.77	0.38	1.50
	5.77					
1	Pipe_-(167)	CIRCULAR	1.50	1.77	0.38	1.50
	10.29					
1	Pipe_-(168)	CIRCULAR	1.50	1.77	0.38	1.50
	7.20					
1	Pipe_-(169)	CIRCULAR	1.50	1.77	0.38	1.50
	7.57					
1	Pipe_-(170)	CIRCULAR	1.25	1.23	0.31	1.25
	4.67					
1	Pipe_-(171)	CIRCULAR	1.25	1.23	0.31	1.25
	2.22					
1	Pipe_-(172)	CIRCULAR	1.00	0.79	0.25	1.00
	3.07					
1	Pipe_-(18)	CIRCULAR	1.75	2.41	0.44	1.75
	8.14					
1	Pipe_-(19)	CIRCULAR	1.50	1.77	0.38	1.50
	5.09					
1	Pipe_-(196)	CIRCULAR	2.00	3.14	0.50	2.00
	47.37					
1	Pipe_-(197)	CIRCULAR	2.00	3.14	0.50	2.00
	10.84					
1	Pipe_-(198)	CIRCULAR	2.00	3.14	0.50	2.00
	15.77					
1	Pipe_-(199)	CIRCULAR	1.75	2.41	0.44	1.75
	14.77					
1	Pipe_-(2)	CIRCULAR	1.50	1.77	0.38	1.50
	5.10					
1	Pipe_-(20)	CIRCULAR	1.50	1.77	0.38	1.50
	5.07					
1	Pipe_-(200)	CIRCULAR	1.75	2.41	0.44	1.75
	10.15					
1	Pipe_-(201)	CIRCULAR	1.75	2.41	0.44	1.75
	10.26					
1	Pipe_-(202)	CIRCULAR	1.75	2.41	0.44	1.75
	10.41					
1	Pipe_-(203)	CIRCULAR	1.50	1.77	0.38	1.50
	8.07					
1	Pipe_-(204)	CIRCULAR	1.25	1.23	0.31	1.25
	6.35					
1	Pipe_-(205)	CIRCULAR	1.00	0.79	0.25	1.00

1	3.45					
	Pipe_-(206)	CIRCULAR	2.00	3.14	0.50	2.00
1	57.73					
	Pipe_-(207)	CIRCULAR	2.00	3.14	0.50	2.00
1	10.72					
	Pipe_-(208)	CIRCULAR	2.00	3.14	0.50	2.00
1	18.41					
	Pipe_-(209)	CIRCULAR	2.00	3.14	0.50	2.00
1	17.40					
	Pipe_-(210)	CIRCULAR	1.75	2.41	0.44	1.75
1	13.58					
	Pipe_-(211)	CIRCULAR	1.75	2.41	0.44	1.75
1	12.23					
	Pipe_-(212)	CIRCULAR	1.75	2.41	0.44	1.75
1	11.62					
	Pipe_-(213)	CIRCULAR	1.75	2.41	0.44	1.75
1	11.10					
	Pipe_-(214)	CIRCULAR	1.50	1.77	0.38	1.50
1	8.21					
	Pipe_-(215)	CIRCULAR	1.25	1.23	0.31	1.25
1	4.95					
	Pipe_-(22)	FORCE_MAIN	0.25	0.05	0.06	0.25
1	0.05					
	Pipe_-(221)	CIRCULAR	3.00	7.07	0.75	3.00
1	98.66					
	Pipe_-(222)	CIRCULAR	2.50	4.91	0.63	2.50
1	55.06					
	Pipe_-(223)	CIRCULAR	2.00	3.14	0.50	2.00
1	25.18					
	Pipe_-(224)	CIRCULAR	2.00	3.14	0.50	2.00
1	18.99					
	Pipe_-(225)	CIRCULAR	2.00	3.14	0.50	2.00
1	20.50					
	Pipe_-(226)	CIRCULAR	1.75	2.41	0.44	1.75
1	14.77					
	Pipe_-(227)	CIRCULAR	1.75	2.41	0.44	1.75
1	10.15					
	Pipe_-(228)	CIRCULAR	1.75	2.41	0.44	1.75
1	11.08					
	Pipe_-(229)	CIRCULAR	1.75	2.41	0.44	1.75
1	9.71					
	Pipe_-(23)	FORCE_MAIN	0.50	0.20	0.13	0.50
1	0.29					
	Pipe_-(230)	CIRCULAR	1.50	1.77	0.38	1.50
1	8.07					
	Pipe_-(231)	CIRCULAR	1.25	1.23	0.31	1.25
1	6.62					
	Pipe_-(232)	CIRCULAR	1.00	0.79	0.25	1.00
1	3.33					
	Pipe_-(234)	CIRCULAR	1.50	1.77	0.38	1.50
1	7.85					
	Pipe_-(235)	CIRCULAR	1.50	1.77	0.38	1.50
1	11.72					

1	Pipe_-(236)	CIRCULAR	1.50	1.77	0.38	1.50
	5.98					
1	Pipe_-(237)	CIRCULAR	2.00	3.14	0.50	2.00
	87.40					
1	Pipe_-(238)	CIRCULAR	2.00	3.14	0.50	2.00
	11.37					
1	Pipe_-(239)	CIRCULAR	2.00	3.14	0.50	2.00
	15.77					
1	Pipe_-(24)	FORCE_MAIN	0.50	0.20	0.13	0.50
	0.29					
1	Pipe_-(240)	CIRCULAR	1.75	2.41	0.44	1.75
	14.77					
1	Pipe_-(241)	CIRCULAR	1.75	2.41	0.44	1.75
	10.15					
1	Pipe_-(242)	CIRCULAR	1.75	2.41	0.44	1.75
	10.81					
1	Pipe_-(243)	CIRCULAR	1.75	2.41	0.44	1.75
	9.91					
1	Pipe_-(244)	CIRCULAR	1.50	1.77	0.38	1.50
	7.93					
1	Pipe_-(245)	CIRCULAR	1.25	1.23	0.31	1.25
	6.44					
1	Pipe_-(246)	CIRCULAR	1.00	0.79	0.25	1.00
	3.45					
1	Pipe_-(247)	CIRCULAR	2.00	3.14	0.50	2.00
	104.84					
1	Pipe_-(248)	CIRCULAR	2.00	3.14	0.50	2.00
	10.72					
1	Pipe_-(249)	CIRCULAR	2.00	3.14	0.50	2.00
	18.41					
1	Pipe_-(25)	FORCE_MAIN	0.50	0.20	0.13	0.50
	0.29					
1	Pipe_-(250)	CIRCULAR	2.00	3.14	0.50	2.00
	17.40					
1	Pipe_-(251)	CIRCULAR	1.75	2.41	0.44	1.75
	13.58					
1	Pipe_-(252)	CIRCULAR	1.75	2.41	0.44	1.75
	12.23					
1	Pipe_-(253)	CIRCULAR	1.75	2.41	0.44	1.75
	11.62					
1	Pipe_-(254)	CIRCULAR	1.75	2.41	0.44	1.75
	11.10					
1	Pipe_-(255)	CIRCULAR	1.50	1.77	0.38	1.50
	8.21					
1	Pipe_-(256)	CIRCULAR	1.25	1.23	0.31	1.25
	5.31					
1	Pipe_-(257)	CIRCULAR	1.00	0.79	0.25	1.00
	2.75					
1	Pipe_-(258)	CIRCULAR	1.00	0.79	0.25	1.00
	0.25					
1	Pipe_-(259)	CIRCULAR	1.00	0.79	0.25	1.00
	2.66					
1	Pipe_-(26)	FORCE_MAIN	0.50	0.20	0.13	0.50

1	0.30					
	Pipe_-(260)	CIRCULAR	0.50	0.20	0.13	0.50
1	0.53					
	Pipe_-(261)	CIRCULAR	1.00	0.79	0.25	1.00
1	2.64					
	Pipe_-(264)	CIRCULAR	1.25	1.23	0.31	1.25
1	2.66					
	Pipe_-(265)	CIRCULAR	1.50	1.77	0.38	1.50
1	4.77					
	Pipe_-(266)	CIRCULAR	1.50	1.77	0.38	1.50
1	7.14					
	Pipe_-(267)	CIRCULAR	2.00	3.14	0.50	2.00
1	15.43					
	Pipe_-(268)	CIRCULAR	2.25	3.98	0.56	2.25
1	25.00					
	Pipe_-(27)	FORCE_MAIN	0.50	0.20	0.13	0.50
1	0.29					
	Pipe_-(277)	CIRCULAR	1.25	1.23	0.31	1.25
1	11.64					
	Pipe_-(278)	CIRCULAR	1.00	0.79	0.25	1.00
1	3.54					
	Pipe_-(28)	FORCE_MAIN	0.50	0.20	0.13	0.50
1	0.29					
	Pipe_-(285)	CIRCULAR	1.00	0.79	0.25	1.00
1	3.27					
	Pipe_-(288)	CIRCULAR	1.75	2.41	0.44	1.75
1	14.24					
	Pipe_-(29)	FORCE_MAIN	0.50	0.20	0.13	0.50
1	0.29					
	Pipe_-(295)	CIRCULAR	1.00	0.79	0.25	1.00
1	10.53					
	Pipe_-(296)	CIRCULAR	1.00	0.79	0.25	1.00
1	3.20					
	Pipe_-(3)	CIRCULAR	1.50	1.77	0.38	1.50
1	5.09					
	Pipe_-(30)	FORCE_MAIN	0.50	0.20	0.13	0.50
1	0.29					
	Pipe_-(307)	CIRCULAR	1.50	1.77	0.38	1.50
1	4.77					
	Pipe_-(308)	CIRCULAR	1.50	1.77	0.38	1.50
1	4.65					
	Pipe_-(309)	CIRCULAR	1.50	1.77	0.38	1.50
1	4.54					
	Pipe_-(31)	FORCE_MAIN	0.50	0.20	0.13	0.50
1	0.29					
	Pipe_-(310)	CIRCULAR	1.75	2.41	0.44	1.75
1	17.77					
	Pipe_-(311)	CIRCULAR	2.50	4.91	0.63	2.50
1	34.17					
	Pipe_-(312)	CIRCULAR	2.50	4.91	0.63	2.50
1	22.34					
	Pipe_-(313)	CIRCULAR	1.25	1.23	0.31	1.25
1	1.46					

1	Pipe_-(314)	CIRCULAR	1.00	0.79	0.25	1.00
	3.94					
1	Pipe_-(319)	CIRCULAR	0.50	0.20	0.13	0.50
	1.40					
1	Pipe_-(32)	FORCE_MAIN	0.50	0.20	0.13	0.50
	0.29					
1	Pipe_-(320)	CIRCULAR	0.50	0.20	0.13	0.50
	1.59					
1	Pipe_-(321)	CIRCULAR	1.25	1.23	0.31	1.25
	12.78					
1	Pipe_-(322)	CIRCULAR	1.25	1.23	0.31	1.25
	4.98					
1	Pipe_-(323)	CIRCULAR	1.00	0.79	0.25	1.00
	1.36					
1	Pipe_-(327)	CIRCULAR	1.50	1.77	0.38	1.50
	5.46					
1	Pipe_-(328)	CIRCULAR	1.25	1.23	0.31	1.25
	5.69					
1	Pipe_-(329)	CIRCULAR	1.00	0.79	0.25	1.00
	4.53					
1	Pipe_-(33)	FORCE_MAIN	0.50	0.20	0.13	0.50
	0.29					
1	Pipe_-(331)	CIRCULAR	1.00	0.79	0.25	1.00
	5.72					
1	Pipe_-(333)	CIRCULAR	1.00	0.79	0.25	1.00
	1.39					
1	Pipe_-(334)	CIRCULAR	1.00	0.79	0.25	1.00
	8.07					
1	Pipe_-(337)	CIRCULAR	4.00	12.57	1.00	4.00
	21.70					
1	Pipe_-(338)	CIRCULAR	4.00	12.57	1.00	4.00
	23.61					
1	Pipe_-(34)	FORCE_MAIN	0.50	0.20	0.13	0.50
	0.29					
1	Pipe_-(340)	CIRCULAR	2.00	3.14	0.50	2.00
	51.87					
1	Pipe_-(35)	CIRCULAR	3.50	9.62	0.88	3.50
	48.34					
1	Pipe_-(358)	CIRCULAR	1.50	1.77	0.38	1.50
	9.52					
1	Pipe_-(359)	CIRCULAR	1.50	1.77	0.38	1.50
	7.48					
1	Pipe_-(36)	CIRCULAR	3.50	9.62	0.88	3.50
	48.45					
1	Pipe_-(360)	CIRCULAR	1.50	1.77	0.38	1.50
	6.68					
1	Pipe_-(361)	CIRCULAR	0.67	0.35	0.17	0.67
	1.31					
1	Pipe_-(362)	CIRCULAR	0.67	0.35	0.17	0.67
	1.47					
1	Pipe_-(363)	CIRCULAR	0.67	0.35	0.17	0.67
	1.27					
1	Pipe_-(364)	CIRCULAR	1.00	0.79	0.25	1.00

1	3.38					
	Pipe_-(365)	CIRCULAR	1.00	0.79	0.25	1.00
1	11.92					
	Pipe_-(366)	CIRCULAR	3.50	9.62	0.88	3.50
1	88.93					
	Pipe_-(367)	CIRCULAR	3.50	9.62	0.88	3.50
1	53.14					
	Pipe_-(369)	CIRCULAR	0.67	0.35	0.17	0.67
1	6.20					
	Pipe_-(37)	CIRCULAR	3.50	9.62	0.88	3.50
1	47.97					
	Pipe_-(370)	CIRCULAR	3.00	7.07	0.75	3.00
1	6.27					
	Pipe_-(374)	CIRCULAR	1.00	0.79	0.25	1.00
1	0.06					
	Pipe_-(375)	CIRCULAR	1.00	0.79	0.25	1.00
1	1.13					
	Pipe_-(376)	CIRCULAR	1.33	1.40	0.33	1.33
1	4.46					
	Pipe_-(377)	CIRCULAR	1.50	1.77	0.38	1.50
1	10.21					
	Pipe_-(378)	CIRCULAR	1.50	1.77	0.38	1.50
1	16.91					
	Pipe_-(379)	CIRCULAR	1.50	1.77	0.38	1.50
1	16.90					
	Pipe_-(38)	CIRCULAR	3.50	9.62	0.88	3.50
1	48.51					
	Pipe_-(380)	CIRCULAR	1.00	0.79	0.25	1.00
1	5.30					
	Pipe_-(381)	CIRCULAR	1.50	1.77	0.38	1.50
1	39.67					
	Pipe_-(382)	CIRCULAR	0.67	0.35	0.17	0.67
1	2.04					
	Pipe_-(383)	CIRCULAR	0.67	0.35	0.17	0.67
1	2.05					
	Pipe_-(384)	CIRCULAR	1.00	0.79	0.25	1.00
1	4.94					
	Pipe_-(385)	CIRCULAR	0.67	0.35	0.17	0.67
1	1.72					
	Pipe_-(386)	CIRCULAR	0.67	0.35	0.17	0.67
1	2.04					
	Pipe_-(387)	CIRCULAR	0.67	0.35	0.17	0.67
1	2.22					
	Pipe_-(389)	CIRCULAR	0.67	0.35	0.17	0.67
1	6.33					
	Pipe_-(39)	CIRCULAR	3.50	9.62	0.88	3.50
1	149.88					
	Pipe_-(390)	CIRCULAR	1.50	1.77	0.38	1.50
1	6.14					
	Pipe_-(4)	CIRCULAR	2.00	3.14	0.50	2.00
1	10.93					
	Pipe_-(40)	CIRCULAR	3.50	9.62	0.88	3.50
1	34.45					

1	Pipe_-(404)	CIRCULAR	1.00	0.79	0.25	1.00
	7.57					
1	Pipe_-(405)	CIRCULAR	1.00	0.79	0.25	1.00
	2.49					
1	Pipe_-(408)	FORCE_MAIN	2.50	4.91	0.63	2.50
	61.15					
1	Pipe_-(409)	FORCE_MAIN	2.50	4.91	0.63	2.50
	41.96					
1	Pipe_-(41)	CIRCULAR	3.50	9.62	0.88	3.50
	56.91					
1	Pipe_-(410)	FORCE_MAIN	2.50	4.91	0.63	2.50
	42.44					
1	Pipe_-(411)	FORCE_MAIN	2.50	4.91	0.63	2.50
	42.16					
1	Pipe_-(412)	FORCE_MAIN	2.50	4.91	0.63	2.50
	35.55					
1	Pipe_-(42)	CIRCULAR	3.50	9.62	0.88	3.50
	48.34					
1	Pipe_-(423)	FORCE_MAIN	1.50	1.77	0.38	1.50
	11.24					
1	Pipe_-(424)	FORCE_MAIN	1.50	1.77	0.38	1.50
	11.10					
1	Pipe_-(425)	FORCE_MAIN	1.50	1.77	0.38	1.50
	11.22					
1	Pipe_-(426)	FORCE_MAIN	1.50	1.77	0.38	1.50
	11.20					
1	Pipe_-(427)	FORCE_MAIN	1.50	1.77	0.38	1.50
	11.00					
1	Pipe_-(429)	CIRCULAR	1.50	1.77	0.38	1.50
	2.81					
1	Pipe_-(43)	CIRCULAR	3.50	9.62	0.88	3.50
	50.01					
1	Pipe_-(430)	CIRCULAR	1.50	1.77	0.38	1.50
	2.99					
1	Pipe_-(431)	CIRCULAR	1.50	1.77	0.38	1.50
	4.80					
1	Pipe_-(432)	CIRCULAR	1.67	2.18	0.42	1.67
	6.52					
1	Pipe_-(433)	CIRCULAR	1.67	2.18	0.42	1.67
	4.79					
1	Pipe_-(434)	FORCE_MAIN	1.67	2.18	0.42	1.67
	13.75					
1	Pipe_-(435)	FORCE_MAIN	1.67	2.18	0.42	1.67
	13.50					
1	Pipe_-(436)	FORCE_MAIN	1.67	2.18	0.42	1.67
	15.14					
1	Pipe_-(437)	FORCE_MAIN	1.67	2.18	0.42	1.67
	13.48					
1	Pipe_-(438)	FORCE_MAIN	1.67	2.18	0.42	1.67
	13.75					
1	Pipe_-(439)	FORCE_MAIN	1.67	2.18	0.42	1.67
	304.16					
	Pipe_-(44)	CIRCULAR	3.50	9.62	0.88	3.50



1	49.46					
	Pipe_-(443)	CIRCULAR	2.00	3.14	0.50	2.00
1	46.32					
	Pipe_-(444)	CIRCULAR	2.00	3.14	0.50	2.00
1	16.38					
	Pipe_-(445)	CIRCULAR	2.00	3.14	0.50	2.00
1	17.03					
	Pipe_-(446)	CIRCULAR	2.00	3.14	0.50	2.00
1	17.59					
	Pipe_-(447)	CIRCULAR	1.25	1.23	0.31	1.25
1	5.78					
	Pipe_-(448)	CIRCULAR	1.25	1.23	0.31	1.25
1	5.93					
	Pipe_-(449)	CIRCULAR	1.25	1.23	0.31	1.25
1	5.95					
	Pipe_-(45)	ARCH	3.33	14.23	1.00	5.42
1	58.96					
	Pipe_-(450)	CIRCULAR	3.00	7.07	0.75	3.00
1	15.15					
	Pipe_-(452)	CIRCULAR	1.50	1.77	0.38	1.50
1	0.82					
	Pipe_-(453)	CIRCULAR	1.50	1.77	0.38	1.50
1	3.22					
	Pipe_-(454)	CIRCULAR	1.50	1.77	0.38	1.50
1	2.94					
	Pipe_-(455)	CIRCULAR	1.50	1.77	0.38	1.50
1	9.18					
	Pipe_-(456)	CIRCULAR	1.50	1.77	0.38	1.50
1	5.24					
	Pipe_-(460)	CIRCULAR	0.50	0.20	0.13	0.50
1	0.51					
	Pipe_-(461)	CIRCULAR	3.00	7.07	0.75	3.00
1	1.55					
	Pipe_-(462)	CIRCULAR	3.00	7.07	0.75	3.00
1	34.64					
	Pipe_-(467)	CIRCULAR	4.00	12.57	1.00	4.00
1	41.18					
	Pipe_-(47)	ARCH	3.33	14.23	1.00	5.42
1	75.04					
	Pipe_-(474)	CIRCULAR	1.50	1.77	0.38	1.50
1	6.24					
	Pipe_-(49)	ARCH	3.33	14.23	1.00	5.42
1	53.10					
	Pipe_-(5)	CIRCULAR	2.00	3.14	0.50	2.00
1	10.93					
	Pipe_-(50)	ARCH	3.33	14.23	1.00	5.42
1	44.28					
	Pipe_-(51)	ARCH	3.33	14.23	1.00	5.42
1	8.01					
	Pipe_-(52)	ARCH	3.33	14.23	1.00	5.42
1	20.13					
	Pipe_-(53)	ARCH	3.33	14.23	1.00	5.42
1	53.62					

1	Pipe_-(54)	CIRCULAR	1.50	1.77	0.38	1.50
	5.08					
1	Pipe_-(55)	CIRCULAR	1.50	1.77	0.38	1.50
	4.99					
1	Pipe_-(56)	CIRCULAR	1.50	1.77	0.38	1.50
	5.10					
1	Pipe_-(57)	CIRCULAR	1.50	1.77	0.38	1.50
	5.09					
1	Pipe_-(58)	CIRCULAR	1.50	1.77	0.38	1.50
	5.19					
1	Pipe_-(59)	CIRCULAR	1.50	1.77	0.38	1.50
	5.07					
1	Pipe_-(6)	CIRCULAR	2.00	3.14	0.50	2.00
	10.99					
1	Pipe_-(60)	CIRCULAR	1.50	1.77	0.38	1.50
	5.08					
1	Pipe_-(65)	CIRCULAR	1.50	1.77	0.38	1.50
	5.09					
1	Pipe_-(66)	CIRCULAR	1.50	1.77	0.38	1.50
	16.29					
1	Pipe_-(67)	CIRCULAR	1.50	1.77	0.38	1.50
	5.07					
1	Pipe_-(68)	CIRCULAR	1.50	1.77	0.38	1.50
	5.10					
1	Pipe_-(69)	CIRCULAR	1.50	1.77	0.38	1.50
	5.09					
1	Pipe_-(7)	CIRCULAR	2.50	4.91	0.63	2.50
	17.27					
1	Pipe_-(70)	CIRCULAR	1.50	1.77	0.38	1.50
	5.09					
1	Pipe_-(71)	CIRCULAR	1.50	1.77	0.38	1.50
	5.09					
1	Pipe_-(72)	CIRCULAR	1.50	1.77	0.38	1.50
	5.09					
1	Pipe_-(73)	CIRCULAR	1.25	1.23	0.31	1.25
	3.13					
1	Pipe_-(74)	CIRCULAR	1.50	1.77	0.38	1.50
	4.98					
1	Pipe_-(75)	CIRCULAR	1.50	1.77	0.38	1.50
	5.12					
1	Pipe_-(76)	CIRCULAR	1.50	1.77	0.38	1.50
	5.09					
1	Pipe_-(77)	CIRCULAR	1.50	1.77	0.38	1.50
	5.09					
1	Pipe_-(78)	CIRCULAR	1.50	1.77	0.38	1.50
	5.09					
1	Pipe_-(79)	CIRCULAR	1.50	1.77	0.38	1.50
	5.09					
1	Pipe_-(8)	CIRCULAR	2.50	4.91	0.63	2.50
	17.15					
1	Pipe_-(80)	CIRCULAR	1.25	1.23	0.31	1.25
	3.13					
	Pipe_-(81)	CIRCULAR	2.00	3.14	0.50	2.00

1	43.38					
	Pipe_-(82)	CIRCULAR	2.00	3.14	0.50	2.00
1	14.65					
	Pipe_-(83)	CIRCULAR	2.00	3.14	0.50	2.00
1	15.17					
	Pipe_-(84)	CIRCULAR	2.00	3.14	0.50	2.00
1	14.04					
	Pipe_-(85)	CIRCULAR	1.75	2.41	0.44	1.75
1	6.30					
	Pipe_-(87)	CIRCULAR	1.75	2.41	0.44	1.75
1	25.68					
	Pipe_-(88)	CIRCULAR	1.75	2.41	0.44	1.75
1	11.92					
	Pipe_-(89)	CIRCULAR	1.75	2.41	0.44	1.75
1	10.87					
	Pipe_-(9)	CIRCULAR	2.50	4.91	0.63	2.50
1	6.61					
	Pipe_-(90)	CIRCULAR	1.75	2.41	0.44	1.75
1	5.54					
	Pipe_-(91)	CIRCULAR	1.50	1.77	0.38	1.50
1	3.09					
	Pipe_-(92)	CIRCULAR	1.50	1.77	0.38	1.50
1	6.19					
	Pipe_-(93)	CIRCULAR	1.50	1.77	0.38	1.50
1	6.28					
	Pipe_-(94)	CIRCULAR	1.50	1.77	0.38	1.50
1	6.25					
	Pipe_-(95)	CIRCULAR	1.50	1.77	0.38	1.50
1	6.27					
	Pipe_-(96)	CIRCULAR	1.50	1.77	0.38	1.50
1	6.21					
	Pipe_-(97)	CIRCULAR	1.50	1.77	0.38	1.50
1	6.25					
	Pipe_PS_A	CIRCULAR	1.50	1.77	0.38	1.50
1	88.87					
	Pipe_PS_B	CIRCULAR	2.50	4.91	0.63	2.50
1	3.94					
	Pipe468	CIRCULAR	2.00	3.14	0.50	2.00
1	6.25					
	Pipe483	CIRCULAR	1.00	0.79	0.25	1.00
1	3.86					
	PSC_Overflow	CIRCULAR	1.17	1.07	0.29	1.17
1	8.12					
	PSC_to_Outfall	FORCE_MAIN	1.67	2.18	0.42	1.67
1	25.78					

\*\*\*\*\*  
NOTE: The summary statistics displayed in this report are based on results found at every computational time step, not just on results from each reporting time step.  
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Analysis Options

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Flow Units ..... CFS  
Process Models:  
  Rainfall/Runoff ..... YES  
  RDII ..... NO  
  Snowmelt ..... NO  
  Groundwater ..... NO  
  Flow Routing ..... YES  
  Ponding Allowed ..... YES  
  Water Quality ..... NO  
Infiltration Method ..... HORTON  
Flow Routing Method ..... DYNWAVE  
Surcharge Method ..... EXTRAN  
Starting Date ..... 01/05/2002 12:00:00  
Ending Date ..... 01/07/2002 12:00:00  
Antecedent Dry Days ..... 0.0  
Report Time Step ..... 00:01:00  
Wet Time Step ..... 00:05:00  
Dry Time Step ..... 00:05:00  
Routing Time Step ..... 1.00 sec  
Variable Time Step ..... YES  
Maximum Trials ..... 8  
Number of Threads ..... 2  
Head Tolerance ..... 0.005000 ft

*****	Volume	Depth
Runoff Quantity Continuity	acre-feet	inches
*****	-----	-----
Total Precipitation .....	0.000	0.000
Evaporation Loss .....	0.000	0.000
Infiltration Loss .....	0.000	0.000
Surface Runoff .....	0.000	0.000
Final Storage .....	0.000	0.000
Continuity Error (%) .....	0.000	

*****	Volume	Volume
Flow Routing Continuity	acre-feet	10^6 gal
*****	-----	-----
Dry Weather Inflow .....	0.000	0.000
Wet Weather Inflow .....	0.000	0.000
Groundwater Inflow .....	0.000	0.000
RDII Inflow .....	0.000	0.000
External Inflow .....	25.212	8.216
External Outflow .....	16.862	5.495
Flooding Loss .....	0.000	0.000
Evaporation Loss .....	0.000	0.000
Exfiltration Loss .....	0.000	0.000
Initial Stored Volume ....	16.175	5.271

Final Stored Volume ..... 23.920 7.795  
Continuity Error (%) ..... 1.461

\*\*\*\*\*

Highest Continuity Errors

\*\*\*\*\*

Node Structure\_-(481) (37.04%)  
Node Structure\_-(453) (30.66%)  
Node Ditch2\_3 (20.53%)  
Node Structure\_-(458) (20.16%)  
Node Ditch9\_10\_11 (16.74%)

\*\*\*\*\*

Time-Step Critical Elements

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Link 381\_to\_PS77 (33.68%)  
Link Pipe\_-(412) (17.37%)  
Link 469\_to\_Inlet (10.71%)  
Link 172\_to\_Inlet (2.12%)

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Highest Flow Instability Indexes

\*\*\*\*\*

Link 469\_to\_Inlet (42)  
Link Ditch\_77 (33)  
Link Pipe\_-(206) (31)  
Link Pipe\_-(247) (30)  
Link Pipe\_-(196) (30)

\*\*\*\*\*

Routing Time Step Summary

\*\*\*\*\*

Minimum Time Step	:	0.43 sec
Average Time Step	:	0.67 sec
Maximum Time Step	:	1.00 sec
Percent in Steady State	:	0.00
Average Iterations per Step	:	3.83
Percent Not Converging	:	16.55
Time Step Frequencies	:	
1.000 - 0.871 sec	:	34.76 %
0.871 - 0.758 sec	:	0.03 %
0.758 - 0.660 sec	:	0.04 %
0.660 - 0.574 sec	:	0.04 %
0.574 - 0.500 sec	:	65.14 %

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Subcatchment Runoff Summary

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Perv	Total	Total	Total	Total	Total	Total	Imperv
Runoff	Runoff	Total	Peak	Runoff	Evap	Infil	Runoff
Subcatchment	Runoff	Precip	Runon	Coeff	in	in	in
in	in	in	in		in	in	in
		10^6 gal	CFS				
2.1		0.00	0.00		0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.000			
2.2		0.00	0.00		0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.000			
2.3		0.00	0.00		0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.000			
2.4		0.00	0.00		0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.000			
3		0.00	0.00		0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.000			
5		0.00	0.00		0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.000			
A		0.00	0.00		0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.000			
B		0.00	0.00		0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.000			
C		0.00	0.00		0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.000			
D		0.00	0.00		0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.000			
E		0.00	0.00		0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.000			
F		0.00	0.00		0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.000			
G		0.00	0.00		0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.000			
H		0.00	0.00		0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.000			

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Node Depth Summary  
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Reported	Average	Maximum	Maximum	Time of Max
	Depth	Depth	HGL	Occurrence
				Max

Depth Node Feet	Type	Feet	Feet	Feet	days	hr:min
---						
CB19 1.15	JUNCTION	0.12	1.15	7.76	1	04:01
CB22 1.05	JUNCTION	0.17	1.05	7.07	1	04:01
CB30 0.62	JUNCTION	0.28	0.62	7.79	1	04:00
CB31 0.90	JUNCTION	0.14	0.90	8.31	1	04:00
CB33 0.32	JUNCTION	0.06	0.32	7.49	1	04:00
Culvert_Ditch11 1.28	JUNCTION	0.67	1.28	4.62	1	22:28
Culvert_Ditch12 1.62	JUNCTION	0.82	1.62	4.60	1	22:51
Culvert_Ditch12a 2.21	JUNCTION	1.17	2.21	4.60	1	22:51
Culvert_Ditch12b 2.21	JUNCTION	1.16	2.21	4.60	1	22:51
Culvert_Ditch12c 4.14	JUNCTION	2.23	4.15	4.65	1	22:55
Ditch1_2 5.95	JUNCTION	4.77	5.95	6.95	1	19:30
Ditch10_Inlet 1.08	JUNCTION	0.45	1.08	4.88	1	04:45
Ditch11_12 1.64	JUNCTION	0.91	1.64	4.62	1	22:28
Ditch12_18 4.13	JUNCTION	2.21	4.14	4.64	1	22:13
Ditch14_15 1.28	JUNCTION	0.55	1.28	5.40	1	04:16
Ditch15_16 1.09	JUNCTION	0.55	1.09	4.21	1	04:17
Ditch16_17 0.47	JUNCTION	0.05	0.47	2.65	1	04:19
Ditch17_5_6 1.40	JUNCTION	0.27	1.40	2.64	1	04:20
Ditch2_3 5.95	JUNCTION	4.77	5.95	6.95	1	19:29
Ditch3_Out 5.95	JUNCTION	4.77	5.95	6.95	1	19:28
Ditch4_Berm 3.16	JUNCTION	3.03	3.16	7.16	1	04:21
Ditch4_In 2.16	JUNCTION	2.03	2.16	7.16	1	04:23
Ditch4_Out 3.95	JUNCTION	2.77	3.95	6.95	1	19:27
Ditch5_Inlet	JUNCTION	0.12	0.91	3.16	1	04:09

0.91							
Ditch6_7	JUNCTION	0.24	1.25	2.49	1	04:21	
1.25							
Ditch7_8	JUNCTION	0.56	1.90	-0.42	1	04:19	
1.90							
Ditch9_10_11	JUNCTION	0.74	1.54	4.88	1	04:45	
1.54							
Ditch9_Inlet	JUNCTION	0.03	0.18	8.64	1	04:03	
0.18							
Facility77_PS	JUNCTION	12.82	45.52	53.82	1	05:48	
45.52							
PS004	JUNCTION	4.17	6.60	4.60	1	22:52	
6.60							
PSC_Outlet	JUNCTION	10.75	49.59	61.09	1	08:58	
49.59							
SDCB294	JUNCTION	0.30	1.98	4.51	1	04:04	
1.95							
SDCB541	JUNCTION	0.83	1.78	7.09	1	04:01	
1.78							
SDCB543	JUNCTION	0.22	0.65	7.76	1	04:00	
0.65							
SDCB6003	JUNCTION	0.26	1.70	4.63	1	04:04	
1.70							
SDCB6005	JUNCTION	2.62	3.11	8.86	1	04:00	
3.11							
SDMH297	JUNCTION	0.33	1.89	4.37	1	04:03	
1.87							
SDMH299	JUNCTION	0.31	1.87	4.37	1	04:06	
1.87							
SDMH301	JUNCTION	0.32	1.89	4.19	1	04:06	
1.88							
SDMH538	JUNCTION	1.02	1.43	6.31	1	04:00	
1.43							
SDMH539	JUNCTION	0.94	1.99	5.52	1	04:01	
1.99							
SDMH540	JUNCTION	0.75	1.82	5.60	1	04:01	
1.82							
Structure_-(1)	JUNCTION	0.08	0.95	8.37	1	04:14	
0.95							
Structure_-(10)	JUNCTION	0.88	3.48	8.22	1	04:15	
3.46							
Structure_-(100)	JUNCTION	0.05	0.29	10.91	1	04:00	
0.29							
Structure_-(101)	JUNCTION	0.04	0.25	10.92	1	04:00	
0.25							
Structure_-(102)	JUNCTION	0.05	0.25	10.75	1	04:00	
0.25							
Structure_-(123)	JUNCTION	0.09	0.47	7.94	1	04:02	
0.47							
Structure_-(124)	JUNCTION	0.11	0.57	8.28	1	04:01	
0.57							
Structure_-(125)	JUNCTION	0.08	0.43	10.25	1	04:01	
0.43							



Structure_-(126)	JUNCTION	0.08	0.45	10.57	1	04:01
0.45						
Structure_-(128)	JUNCTION	0.06	0.30	11.44	1	04:01
0.30						
Structure_-(129)	JUNCTION	0.04	0.23	13.04	1	04:00
0.23						
Structure_-(130)	JUNCTION	0.08	0.42	11.04	1	04:00
0.42						
Structure_-(131)	JUNCTION	0.05	0.26	11.39	1	04:00
0.26						
Structure_-(132)	JUNCTION	0.03	0.19	12.12	1	04:00
0.19						
Structure_-(133)	JUNCTION	0.07	0.39	11.01	1	04:00
0.39						
Structure_-(134)	JUNCTION	0.27	0.48	11.78	1	04:00
0.48						
Structure_-(136)	JUNCTION	0.81	1.06	12.89	1	04:00
1.06						
Structure_-(139)	JUNCTION	1.13	3.60	7.72	1	04:15
3.59						
Structure_-(140)	JUNCTION	1.06	3.56	7.78	1	03:54
3.52						
Structure_-(141)	JUNCTION	1.63	4.49	8.09	1	03:54
4.16						
Structure_-(142)	JUNCTION	0.45	2.76	8.20	1	03:54
2.33						
Structure_-(143)	JUNCTION	0.14	2.14	8.54	1	03:54
1.37						
Structure_-(144)	JUNCTION	0.05	1.02	7.78	1	04:14
1.01						
Structure_-(161)	JUNCTION	0.45	1.58	7.71	1	04:10
1.42						
Structure_-(162)	JUNCTION	0.72	2.42	7.67	1	04:10
2.28						
Structure_-(163)	JUNCTION	0.94	3.93	8.55	1	12:07
2.91						
Structure_-(164)	JUNCTION	1.18	4.03	8.06	1	12:07
3.50						
Structure_-(165)	JUNCTION	1.37	4.15	7.85	1	12:07
3.82						
Structure_-(166)	JUNCTION	1.57	4.31	7.67	1	12:07
4.17						
Structure_-(167)	JUNCTION	1.98	4.87	7.66	1	12:07
4.72						
Structure_-(168)	JUNCTION	2.44	5.34	7.49	1	04:17
5.34						
Structure_-(169)	JUNCTION	2.93	5.90	7.49	1	04:16
5.90						
Structure_-(170)	JUNCTION	3.09	6.12	7.52	1	04:15
6.11						
Structure_-(171)	JUNCTION	5.44	9.09	7.52	1	04:16
9.09						
Structure_-(172)	JUNCTION	6.64	10.46	7.46	1	04:16

10.46							
	Structure_-(173)	JUNCTION	3.80	7.00	7.55	1	04:15
6.97							
	Structure_-(174)	JUNCTION	3.33	6.47	7.57	1	04:17
6.42							
	Structure_-(175)	JUNCTION	3.10	6.20	7.56	1	04:16
6.17							
	Structure_-(176)	JUNCTION	2.20	5.15	7.59	1	04:16
5.11							
	Structure_-(177)	JUNCTION	1.57	4.42	7.76	1	19:28
4.24							
	Structure_-(178)	JUNCTION	1.00	4.25	8.59	1	19:28
3.26							
	Structure_-(179)	JUNCTION	0.58	3.53	8.77	1	12:05
2.39							
	Structure_-(180)	JUNCTION	1.26	3.11	7.70	1	04:14
3.07							
	Structure_-(181)	JUNCTION	0.27	1.65	7.79	1	04:07
1.51							
	Structure_-(19)	JUNCTION	0.64	3.18	8.23	1	04:14
3.16							
	Structure_-(2)	JUNCTION	0.10	1.06	8.37	1	04:14
1.06							
	Structure_-(20)	JUNCTION	0.35	2.52	8.29	1	04:13
2.47							
	Structure_-(205)	JUNCTION	3.07	6.17	7.57	1	04:16
6.13							
	Structure_-(206)	JUNCTION	2.91	5.93	7.52	1	04:17
5.93							
	Structure_-(207)	JUNCTION	2.45	5.37	7.52	1	04:14
5.37							
	Structure_-(208)	JUNCTION	1.98	5.00	7.79	1	12:04
4.77							
	Structure_-(209)	JUNCTION	1.58	4.59	7.94	1	19:28
4.21							
	Structure_-(21)	JUNCTION	0.23	2.13	8.29	1	04:14
2.12							
	Structure_-(210)	JUNCTION	1.40	4.60	8.26	1	12:04
3.92							
	Structure_-(211)	JUNCTION	1.18	4.27	8.30	1	12:04
3.55							
	Structure_-(212)	JUNCTION	0.94	4.32	8.94	1	19:28
2.98							
	Structure_-(213)	JUNCTION	0.72	2.41	7.66	1	04:13
2.37							
	Structure_-(214)	JUNCTION	0.45	1.55	7.68	1	04:13
1.52							
	Structure_-(215)	JUNCTION	3.47	6.61	7.55	1	04:17
6.57							
	Structure_-(216)	JUNCTION	3.31	6.38	7.49	1	04:17
6.38							
	Structure_-(217)	JUNCTION	2.65	5.59	7.50	1	04:15
5.59							

Structure_-(218)	JUNCTION	2.25	5.10	7.51	1	04:16
5.10						
Structure_-(219)	JUNCTION	1.56	4.14	7.56	1	04:16
4.10						
Structure_-(220)	JUNCTION	1.25	3.74	7.66	1	12:04
3.65						
Structure_-(221)	JUNCTION	0.98	3.53	7.95	1	12:04
3.13						
Structure_-(222)	JUNCTION	0.74	2.63	7.59	1	04:14
2.58						
Structure_-(223)	JUNCTION	0.52	2.14	7.60	1	04:14
2.12						
Structure_-(23)	JUNCTION	8.84	16.92	31.40	2	00:00
16.92						
Structure_-(230)	JUNCTION	4.39	7.80	7.54	1	04:17
7.75						
Structure_-(231)	JUNCTION	3.72	7.00	7.55	1	04:15
6.95						
Structure_-(232)	JUNCTION	3.07	6.17	7.53	1	04:19
6.14						
Structure_-(233)	JUNCTION	3.35	6.48	7.54	1	04:16
6.47						
Structure_-(234)	JUNCTION	2.45	5.40	7.55	1	04:16
5.37						
Structure_-(235)	JUNCTION	1.98	4.78	7.57	1	04:15
4.73						
Structure_-(236)	JUNCTION	1.57	4.23	7.58	1	04:15
4.17						
Structure_-(237)	JUNCTION	1.37	3.88	7.58	1	04:15
3.83						
Structure_-(238)	JUNCTION	1.18	3.54	7.58	1	04:15
3.50						
Structure_-(239)	JUNCTION	0.93	2.97	7.59	1	04:15
2.92						
Structure_-(24)	JUNCTION	3.72	8.60	23.07	2	00:00
8.60						
Structure_-(240)	JUNCTION	0.69	2.26	7.61	1	04:15
2.21						
Structure_-(241)	JUNCTION	0.45	1.45	7.58	1	04:15
1.44						
Structure_-(242)	JUNCTION	1.71	2.21	5.41	1	04:16
2.21						
Structure_-(243)	JUNCTION	1.22	1.84	5.60	1	03:49
1.72						
Structure_-(244)	JUNCTION	0.43	0.78	5.46	1	04:12
0.78						
Structure_-(245)	JUNCTION	0.22	0.58	5.53	1	04:00
0.58						
Structure_-(246)	JUNCTION	3.09	6.18	7.56	1	04:17
6.12						
Structure_-(247)	JUNCTION	2.91	5.92	7.50	1	04:15
5.92						
Structure_-(248)	JUNCTION	2.45	5.37	7.52	1	04:15

5.37	Structure_-(249)	JUNCTION	1.98	4.76	7.56	1	04:16
4.75	Structure_-(25)	JUNCTION	3.62	8.43	22.83	2	00:00
8.43	Structure_-(250)	JUNCTION	1.57	4.23	7.58	1	04:16
4.19	Structure_-(251)	JUNCTION	1.37	3.88	7.58	1	04:16
3.85	Structure_-(252)	JUNCTION	1.18	3.65	7.68	1	19:28
3.52	Structure_-(253)	JUNCTION	0.95	3.60	8.19	1	12:04
2.97	Structure_-(254)	JUNCTION	0.72	2.37	7.62	1	04:16
2.32	Structure_-(255)	JUNCTION	0.45	1.47	7.60	1	04:16
1.45	Structure_-(256)	JUNCTION	3.47	6.62	7.55	1	04:17
6.58	Structure_-(257)	JUNCTION	3.31	6.39	7.50	1	04:16
6.39	Structure_-(258)	JUNCTION	2.64	5.61	7.53	1	04:16
5.61	Structure_-(259)	JUNCTION	2.25	5.14	7.54	1	04:17
5.13	Structure_-(26)	JUNCTION	3.28	7.86	21.94	2	00:00
7.86	Structure_-(260)	JUNCTION	1.56	4.19	7.61	1	04:17
4.17	Structure_-(261)	JUNCTION	1.26	3.73	7.64	1	04:17
3.69	Structure_-(262)	JUNCTION	0.99	3.34	7.76	1	03:32
3.20	Structure_-(263)	JUNCTION	0.76	2.70	7.66	1	04:16
2.68	Structure_-(264)	JUNCTION	0.54	2.22	7.68	1	04:16
2.20	Structure_-(265)	JUNCTION	0.39	1.55	7.69	1	04:15
1.55	Structure_-(266)	JUNCTION	0.09	0.96	7.76	1	04:16
0.96	Structure_-(267)	JUNCTION	0.12	0.97	7.76	1	04:15
0.97	Structure_-(268)	JUNCTION	0.06	0.49	7.77	1	04:16
0.49	Structure_-(269)	JUNCTION	0.05	0.30	7.79	1	04:16
0.29	Structure_-(27)	JUNCTION	2.51	6.44	19.62	2	00:00
6.44	Structure_-(270)	JUNCTION	0.04	0.34	7.77	1	04:15
0.34	Structure_-(273)	JUNCTION	0.08	0.34	11.47	1	04:01
0.34							

Structure_-(274)	JUNCTION	0.07	0.37	11.00	1	04:00
0.37						
Structure_-(275)	JUNCTION	0.07	0.36	10.81	1	04:01
0.36						
Structure_-(276)	JUNCTION	0.08	0.43	9.70	1	04:01
0.43						
Structure_-(277)	JUNCTION	0.11	0.59	8.98	1	04:01
0.59						
Structure_-(278)	JUNCTION	0.06	0.46	8.12	1	04:15
0.45						
Structure_-(28)	JUNCTION	2.42	6.26	19.32	2	00:00
6.26						
Structure_-(287)	JUNCTION	1.48	1.94	12.39	1	04:00
1.94						
Structure_-(288)	JUNCTION	0.81	1.17	12.40	1	04:00
1.17						
Structure_-(29)	JUNCTION	2.37	6.15	19.14	2	00:00
6.15						
Structure_-(298)	JUNCTION	0.48	0.70	11.13	1	04:00
0.70						
Structure_-(3)	JUNCTION	0.13	1.40	8.35	1	04:14
1.40						
Structure_-(30)	JUNCTION	2.18	5.72	18.42	2	00:00
5.72						
Structure_-(305)	JUNCTION	1.51	1.89	12.57	1	04:00
1.89						
Structure_-(306)	JUNCTION	0.59	0.85	12.58	1	04:00
0.85						
Structure_-(31)	JUNCTION	1.69	4.58	16.51	2	00:00
4.58						
Structure_-(319)	JUNCTION	0.20	1.42	7.73	1	04:01
1.42						
Structure_-(32)	JUNCTION	1.47	4.00	15.54	2	00:00
4.00						
Structure_-(320)	JUNCTION	0.23	1.37	7.53	1	04:01
1.37						
Structure_-(325)	JUNCTION	1.01	2.36	7.84	1	04:01
2.36						
Structure_-(326)	JUNCTION	0.08	0.55	8.00	1	04:01
0.55						
Structure_-(33)	JUNCTION	1.36	3.72	15.06	2	00:00
3.72						
Structure_-(331)	JUNCTION	0.84	3.78	11.83	1	04:00
3.77						
Structure_-(332)	JUNCTION	0.96	3.77	11.82	1	03:51
2.99						
Structure_-(333)	JUNCTION	0.69	1.04	7.77	1	04:00
1.04						
Structure_-(34)	JUNCTION	0.95	2.59	13.17	2	00:00
2.59						
Structure_-(341)	JUNCTION	1.91	2.48	8.92	1	04:00
2.48						
Structure_-(35)	JUNCTION	0.35	0.77	10.05	2	00:00

0.77	Structure_-(37)	JUNCTION	0.22	0.92	9.73	1	04:02
0.92	Structure_-(370)	JUNCTION	0.04	1.12	9.35	1	04:05
0.67	Structure_-(371)	JUNCTION	0.03	0.49	8.90	1	04:06
0.49	Structure_-(372)	JUNCTION	0.04	0.19	10.67	1	04:01
0.19	Structure_-(373)	JUNCTION	0.01	1.20	9.35	1	04:04
1.02	Structure_-(374)	JUNCTION	0.04	0.20	9.14	1	04:00
0.20	Structure_-(375)	JUNCTION	0.05	0.29	8.93	1	04:00
0.29	Structure_-(376)	JUNCTION	0.06	0.38	8.78	1	04:00
0.38	Structure_-(377)	JUNCTION	0.07	0.38	8.48	1	04:00
0.38	Structure_-(378)	JUNCTION	0.04	0.22	7.95	1	04:00
0.22	Structure_-(379)	JUNCTION	3.48	5.05	7.36	1	04:17
5.01	Structure_-(38)	JUNCTION	0.24	1.04	9.56	1	04:02
1.04	Structure_-(380)	JUNCTION	2.66	4.28	7.41	1	04:17
4.27	Structure_-(381)	JUNCTION	2.85	4.51	7.46	1	04:16
4.51	Structure_-(389)	JUNCTION	0.00	0.00	11.23	0	00:00
0.00	Structure_-(39)	JUNCTION	0.24	1.03	9.44	1	04:03
1.03	Structure_-(390)	JUNCTION	0.00	0.00	11.23	0	00:00
0.00	Structure_-(391)	JUNCTION	0.04	0.21	10.96	1	04:00
0.21	Structure_-(392)	JUNCTION	0.05	0.24	6.98	1	12:11
0.23	Structure_-(393)	JUNCTION	0.61	1.15	6.95	1	19:27
1.15	Structure_-(394)	JUNCTION	1.73	2.90	6.95	1	19:26
2.89	Structure_-(395)	JUNCTION	3.49	4.69	6.98	1	19:26
4.67	Structure_-(396)	JUNCTION	0.04	0.22	11.84	1	04:00
0.22	Structure_-(397)	JUNCTION	0.02	0.09	8.89	1	04:00
0.09	Structure_-(398)	JUNCTION	0.06	0.25	6.95	1	19:27
0.25	Structure_-(399)	JUNCTION	0.03	0.16	7.54	1	04:00
0.16							

Structure_-(4)	JUNCTION	0.15	1.64	8.33	1	04:14
1.64						
Structure_-(40)	JUNCTION	0.15	0.65	8.88	1	04:03
0.64						
Structure_-(400)	JUNCTION	0.06	0.31	8.21	1	04:00
0.31						
Structure_-(401)	JUNCTION	0.05	0.31	10.01	1	04:00
0.31						
Structure_-(404)	JUNCTION	0.04	0.23	11.27	1	04:00
0.23						
Structure_-(405)	JUNCTION	0.03	0.15	11.99	1	04:00
0.15						
Structure_-(407)	JUNCTION	0.02	0.09	8.89	1	04:00
0.09						
Structure_-(408)	JUNCTION	0.16	0.84	10.31	1	04:00
0.84						
Structure_-(41)	JUNCTION	0.39	2.14	8.18	1	04:15
2.14						
Structure_-(42)	JUNCTION	0.40	2.18	8.18	1	04:15
2.17						
Structure_-(426)	JUNCTION	0.22	0.62	6.98	1	04:22
0.62						
Structure_-(427)	JUNCTION	1.44	1.82	7.04	1	04:00
1.82						
Structure_-(43)	JUNCTION	0.58	2.69	8.15	1	04:14
2.68						
Structure_-(431)	JUNCTION	0.38	1.31	-4.06	1	08:58
1.31						
Structure_-(432)	JUNCTION	0.37	1.25	-3.78	1	08:58
1.25						
Structure_-(433)	JUNCTION	0.37	1.23	-3.48	1	08:58
1.23						
Structure_-(434)	JUNCTION	0.30	1.00	-2.55	1	08:58
1.00						
Structure_-(435)	JUNCTION	0.33	1.07	-2.47	1	08:58
1.07						
Structure_-(44)	JUNCTION	0.66	2.90	8.12	1	04:14
2.90						
Structure_-(446)	JUNCTION	5.92	17.27	27.24	1	06:26
17.27						
Structure_-(447)	JUNCTION	6.00	16.07	25.67	1	06:31
16.07						
Structure_-(448)	JUNCTION	6.05	14.96	24.25	1	06:36
14.96						
Structure_-(449)	JUNCTION	6.84	10.49	17.79	1	07:11
10.49						
Structure_-(45)	JUNCTION	0.67	2.94	8.12	1	04:14
2.94						
Structure_-(450)	JUNCTION	6.92	8.35	15.05	1	07:22
8.34						
Structure_-(451)	JUNCTION	7.02	9.25	15.75	0	00:00
8.03						
Structure_-(453)	JUNCTION	1.65	5.01	8.96	1	04:01

3.69	Structure_-(454)	JUNCTION	1.66	5.04	8.99	1	04:01
3.69	Structure_-(455)	JUNCTION	1.66	5.01	8.94	1	04:01
3.69	Structure_-(456)	JUNCTION	1.81	4.81	8.54	1	04:02
3.81	Structure_-(457)	JUNCTION	1.90	4.75	8.38	1	04:02
3.89	Structure_-(458)	JUNCTION	2.09	4.19	7.59	1	04:04
4.06	Structure_-(459)	JUNCTION	10.43	27.02	33.69	1	06:10
27.02	Structure_-(46)	JUNCTION	0.67	3.00	8.11	1	04:13
3.00	Structure_-(460)	JUNCTION	10.38	26.60	33.23	1	06:11
26.60	Structure_-(461)	JUNCTION	10.73	25.89	31.92	1	06:14
25.89	Structure_-(462)	JUNCTION	10.75	25.37	31.25	1	06:15
25.37	Structure_-(463)	JUNCTION	11.83	23.55	27.68	1	06:25
23.55	Structure_-(469)	JUNCTION	1.42	4.00	7.49	1	04:15
3.97	Structure_-(47)	JUNCTION	0.88	3.42	8.07	1	04:13
3.42	Structure_-(470)	JUNCTION	0.04	0.38	7.48	1	04:17
0.37	Structure_-(471)	JUNCTION	0.06	0.30	7.57	1	04:00
0.30	Structure_-(472)	JUNCTION	0.04	0.25	7.65	1	04:00
0.25	Structure_-(473)	JUNCTION	0.03	0.18	7.67	1	04:00
0.18	Structure_-(475)	JUNCTION	2.71	4.06	7.14	1	04:20
4.03	Structure_-(476)	JUNCTION	2.82	4.18	7.15	1	04:17
4.15	Structure_-(477)	JUNCTION	3.14	4.48	7.13	1	04:20
4.47	Structure_-(478)	JUNCTION	3.47	4.81	7.13	1	04:19
4.79	Structure_-(481)	JUNCTION	1.63	5.01	9.01	1	04:04
5.00	Structure_-(482)	JUNCTION	1.59	5.03	9.08	1	04:05
5.03	Structure_-(483)	JUNCTION	1.57	5.05	9.15	1	04:05
5.02	Structure_-(484)	JUNCTION	1.49	5.00	9.22	1	04:04
5.00	Structure_-(485)	JUNCTION	1.48	5.03	9.28	1	04:05
5.03							



Structure_-(487)	JUNCTION	3.01	4.40	7.18	1	04:20
4.34						
Structure_-(489)	JUNCTION	3.03	4.20	6.94	1	19:27
4.20						
Structure_-(490)	JUNCTION	0.81	1.20	12.43	1	04:00
1.20						
Structure_-(495)	JUNCTION	0.09	0.56	10.60	1	04:00
0.56						
Structure_-(5)	JUNCTION	0.22	1.95	8.32	1	04:14
1.95						
Structure_-(50)	JUNCTION	1.12	3.81	8.01	1	04:15
3.81						
Structure_-(502)	JUNCTION	0.02	0.09	8.55	1	04:00
0.09						
Structure_-(503)	JUNCTION	0.90	3.48	8.19	1	04:15
3.48						
Structure_-(51)	JUNCTION	1.30	4.00	7.94	1	04:15
3.99						
Structure_-(52)	JUNCTION	1.49	4.13	7.85	1	04:15
4.12						
Structure_-(53)	JUNCTION	1.49	3.98	7.69	1	04:16
3.97						
Structure_-(54)	JUNCTION	1.26	3.68	7.61	1	04:15
3.68						
Structure_-(56)	JUNCTION	0.18	0.69	9.77	1	04:03
0.69						
Structure_-(57)	JUNCTION	0.14	0.78	10.07	1	04:01
0.78						
Structure_-(58)	JUNCTION	0.13	0.77	10.16	1	04:01
0.77						
Structure_-(59)	JUNCTION	0.12	0.69	10.39	1	04:01
0.69						
Structure_-(6)	JUNCTION	0.42	2.61	8.31	1	04:14
2.59						
Structure_-(60)	JUNCTION	0.11	0.65	10.47	1	04:01
0.65						
Structure_-(61)	JUNCTION	0.10	0.59	10.51	1	04:01
0.59						
Structure_-(62)	JUNCTION	0.08	0.52	10.54	1	04:00
0.52						
Structure_-(63)	JUNCTION	0.07	0.36	10.63	1	04:00
0.36						
Structure_-(7)	JUNCTION	0.55	2.91	8.27	1	04:15
2.91						
Structure_-(70)	JUNCTION	0.18	0.92	9.81	1	04:02
0.92						
Structure_-(71)	JUNCTION	0.08	0.45	10.45	1	04:02
0.44						
Structure_-(72)	JUNCTION	0.12	0.68	10.74	1	04:02
0.68						
Structure_-(73)	JUNCTION	0.12	0.70	11.03	1	04:02
0.70						
Structure_-(74)	JUNCTION	0.11	0.65	11.22	1	04:01

0.65	Structure_-(75)	JUNCTION	0.10	0.57	11.38	1	04:01
0.57	Structure_-(76)	JUNCTION	0.09	0.49	11.54	1	04:01
0.49	Structure_-(77)	JUNCTION	0.07	0.39	11.68	1	04:00
0.39	Structure_-(78)	JUNCTION	0.05	0.30	11.83	1	04:00
0.30	Structure_-(79)	JUNCTION	0.14	0.91	9.63	1	04:02
0.91	Structure_-(8)	JUNCTION	0.66	3.18	8.28	1	04:15
3.15	Structure_-(80)	JUNCTION	0.12	0.73	9.74	1	04:03
0.73	Structure_-(81)	JUNCTION	0.11	0.63	9.88	1	04:02
0.63	Structure_-(82)	JUNCTION	0.10	0.54	10.03	1	04:01
0.54	Structure_-(83)	JUNCTION	0.08	0.46	10.19	1	04:01
0.46	Structure_-(84)	JUNCTION	0.07	0.36	10.33	1	04:00
0.36	Structure_-(85)	JUNCTION	0.05	0.24	10.45	1	04:00
0.24	Structure_-(86)	JUNCTION	1.01	1.60	8.91	1	04:01
1.60	Structure_-(87)	JUNCTION	0.93	1.54	8.92	1	04:00
1.54	Structure_-(88)	JUNCTION	0.76	1.38	8.94	1	04:00
1.38	Structure_-(89)	JUNCTION	0.69	1.31	8.96	1	04:00
1.31	Structure_-(9)	JUNCTION	0.83	3.46	8.28	1	04:15
3.44	Structure_-(90)	JUNCTION	0.57	1.32	9.11	1	04:00
1.32	Structure_-(92)	JUNCTION	0.10	0.54	9.45	1	04:01
0.54	Structure_-(93)	JUNCTION	0.14	0.77	10.03	1	04:01
0.77	Structure_-(94)	JUNCTION	0.13	0.76	10.19	1	04:01
0.76	Structure_-(95)	JUNCTION	0.15	0.79	10.24	1	04:01
0.79	Structure_-(96)	JUNCTION	0.13	0.78	10.38	1	04:00
0.78	Structure_-(97)	JUNCTION	0.11	0.62	10.57	1	04:00
0.62	Structure_-(98)	JUNCTION	0.09	0.53	10.66	1	04:00
0.53	Structure_-(99)	JUNCTION	0.07	0.40	10.72	1	04:00
0.40							

Structure520	JUNCTION	1.82	3.21	7.58	1	04:14
3.20						
Structure521	JUNCTION	0.98	2.61	4.34	1	04:04
2.61						
Structure522	JUNCTION	0.66	2.25	4.34	1	04:04
2.25						
Structure587	JUNCTION	3.42	4.63	7.00	1	19:26
4.59						
Structure593	JUNCTION	3.44	4.67	7.02	1	04:19
4.63						
Structure602	JUNCTION	0.92	3.51	8.19	1	04:15
3.50						
5_Dummy_Outlet	OUTFALL	0.00	0.00	0.00	0	00:00
0.00						
C_Dummy_Outlet	OUTFALL	0.00	0.00	0.00	0	00:00
0.00						
D_Dummy_Outlet	OUTFALL	0.00	0.00	0.00	0	00:00
0.00						
E_Dummy_Outlet	OUTFALL	0.00	0.00	0.00	0	00:00
0.00						
F_Dummy_Outlet	OUTFALL	0.00	0.00	0.00	0	00:00
0.00						
G_Dummy_Outlet	OUTFALL	0.00	0.00	0.00	0	00:00
0.00						
H_Dummy_Outlet	OUTFALL	0.00	0.00	0.00	0	00:00
0.00						
Outfall_002A	OUTFALL	0.25	0.79	-14.08	1	08:59
0.79						
Outfall003	OUTFALL	0.37	1.54	-1.46	1	04:19
1.54						
Facility77_Inlet	STORAGE	10.98	15.51	7.46	1	04:16
15.51						
PSC_Sump	STORAGE	5.21	13.86	14.36	1	07:32
13.86						
RetenionPond	STORAGE	7.01	8.02	14.52	1	07:32
8.02						

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Node Inflow Summary  
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Total	Flow		Maximum	Maximum		Lateral
Inflow	Balance		Lateral	Total	Time of Max	Inflow
Volume	Error		Inflow	Inflow	Occurrence	Volume
Node	Percent	Type	CFS	CFS	days hr:min	10 <sup>6</sup> gal

CB19		JUNCTION	1.77	1.77	1	04:00	0.103
0.103	0.021						
CB22		JUNCTION	0.18	11.88	1	04:01	0.0103
0.697	0.016						
CB30		JUNCTION	0.18	1.94	1	04:00	0.0103
0.113	0.200						
CB31		JUNCTION	1.77	1.77	1	04:00	0.103
0.103	0.029						
CB33		JUNCTION	1.77	1.77	1	04:00	0.103
0.103	0.012						
Culvert_Ditch11		JUNCTION	0.00	2.48	1	04:52	0
0.33	2.157						
Culvert_Ditch12		JUNCTION	0.00	2.78	1	04:40	0
0.364	1.971						
Culvert_Ditch12a		JUNCTION	0.00	2.78	1	04:41	0
0.357	2.866						
Culvert_Ditch12b		JUNCTION	0.00	2.77	1	04:35	0
0.347	9.272						
Culvert_Ditch12c		JUNCTION	0.00	2.76	1	04:35	0
0.317	12.978						
Ditch1_2		JUNCTION	0.00	16.64	1	04:05	0
1.11	47.666						
Ditch10_Inlet		JUNCTION	1.40	1.40	1	04:00	0.1
0.1	5.538						
Ditch11_12		JUNCTION	0.70	2.79	1	04:32	0.0501
0.373	2.451						
Ditch12_18		JUNCTION	0.70	3.01	1	04:04	0.0501
0.331	10.019						
Ditch14_15		JUNCTION	1.06	4.49	1	04:00	0.0617
0.285	7.126						
Ditch15_16		JUNCTION	1.06	4.96	1	04:13	0.0617
0.328	0.298						
Ditch16_17		JUNCTION	1.06	5.79	1	04:15	0.0617
0.389	0.038						
Ditch17_5_6		JUNCTION	0.35	25.34	1	04:09	0.0206
1.58	0.947						
Ditch2_3		JUNCTION	5.18	57.83	0	00:03	0.374
2.57	25.828						
Ditch3_Out		JUNCTION	0.00	154.71	0	00:01	0
2.89	6.407						
Ditch4_Berm		JUNCTION	0.00	9.28	1	04:03	0
1.11	1.622						
Ditch4_In		JUNCTION	11.46	11.46	1	04:00	1.13
1.13	1.512						
Ditch4_Out		JUNCTION	0.00	294.51	0	00:00	0
3.77	8.317						
Ditch5_Inlet		JUNCTION	0.35	24.47	1	04:02	0.0206
1.18	0.263						
Ditch6_7		JUNCTION	0.35	24.44	1	04:19	0.0206
1.59	0.501						

Ditch7_8		JUNCTION	7.06	29.73	1	04:19	0.411
1.99	0.024						
Ditch9_10_11		JUNCTION	1.40	5.07	1	04:00	0.1
0.396	20.105						
Ditch9_Inlet		JUNCTION	2.79	2.79	1	04:00	0.201
0.201	-0.050						
Facility77_PS		JUNCTION	0.00	22.28	1	03:30	0
3.68	0.073						
PS004		JUNCTION	0.00	2.37	1	04:04	0
0.301	8.918						
PSC_Outlet		JUNCTION	0.00	13.37	1	04:11	0
3.51	-0.040						
SDCB294		JUNCTION	1.77	1.77	1	04:00	0.103
0.103	0.065						
SDCB541		JUNCTION	0.18	2.11	1	04:00	0.0103
0.123	0.057						
SDCB543		JUNCTION	0.18	1.94	1	04:00	0.0103
0.113	0.072						
SDCB6003		JUNCTION	0.18	16.58	1	04:01	0.0103
0.974	0.039						
SDCB6005		JUNCTION	0.71	0.71	1	04:00	0.0411
0.0411	0.688						
SDMH297		JUNCTION	0.35	20.42	1	04:05	0.0206
1.16	0.052						
SDMH299		JUNCTION	0.35	4.16	1	04:16	0.0206
0.185	0.187						
SDMH301		JUNCTION	0.18	20.47	1	04:05	0.0103
1.16	0.048						
SDMH538		JUNCTION	1.77	1.77	1	04:00	0.103
0.103	0.104						
SDMH539		JUNCTION	0.18	15.72	1	04:01	0.0103
0.923	0.022						
SDMH540		JUNCTION	0.18	1.94	1	04:00	0.0103
0.113	0.059						
Structure_-(1)		JUNCTION	0.65	0.65	1	04:00	0.0391
0.0391	0.009						
Structure_-(10)		JUNCTION	0.26	4.20	1	04:05	0.0157
0.446	1.916						
Structure_-(100)		JUNCTION	0.26	0.52	1	04:00	0.0157
0.0313	0.014						
Structure_-(101)		JUNCTION	0.26	0.26	1	04:00	0.0157
0.0157	0.015						
Structure_-(102)		JUNCTION	0.39	0.39	1	04:00	0.0235
0.0235	0.011						
Structure_-(123)		JUNCTION	0.26	3.65	1	04:01	0.0157
0.219	0.027						
Structure_-(124)		JUNCTION	0.26	2.43	1	04:01	0.0157
0.149	0.026						
Structure_-(125)		JUNCTION	0.26	2.18	1	04:01	0.0157
0.133	0.028						
Structure_-(126)		JUNCTION	0.26	0.90	1	04:00	0.0157
0.0548	0.039						
Structure_-(128)		JUNCTION	0.26	0.64	1	04:00	0.0157

0.0391	0.037						
Structure_--(129)		JUNCTION	0.39	0.39	1	04:00	0.0235
0.0235	0.016						
Structure_--(130)		JUNCTION	0.26	0.90	1	04:00	0.0157
0.0548	0.031						
Structure_--(131)		JUNCTION	0.26	0.65	1	04:00	0.0157
0.0391	0.007						
Structure_--(132)		JUNCTION	0.39	0.39	1	04:00	0.0235
0.0235	0.009						
Structure_--(133)		JUNCTION	0.26	1.03	1	04:00	0.0157
0.0625	0.027						
Structure_--(134)		JUNCTION	0.39	0.39	1	04:00	0.0235
0.0235	0.111						
Structure_--(136)		JUNCTION	0.39	0.39	1	04:00	0.0235
0.0235	0.361						
Structure_--(139)		JUNCTION	0.26	1.57	1	03:54	0.0157
0.113	0.347						
Structure_--(140)		JUNCTION	0.26	1.33	1	03:54	0.0157
0.0789	0.312						
Structure_--(141)		JUNCTION	0.26	1.11	1	03:54	0.0157
0.0634	0.499						
Structure_--(142)		JUNCTION	0.26	1.00	1	03:54	0.0157
0.0483	0.428						
Structure_--(143)		JUNCTION	0.26	1.71	1	03:54	0.0157
0.0349	-0.223						
Structure_--(144)		JUNCTION	0.26	1.24	1	03:54	0.0157
0.0186	0.056						
Structure_--(161)		JUNCTION	0.26	0.26	1	04:00	0.0157
0.0169	0.337						
Structure_--(162)		JUNCTION	0.26	0.61	1	12:06	0.0157
0.0375	3.307						
Structure_--(163)		JUNCTION	0.26	0.87	1	12:04	0.0157
0.0605	3.511						
Structure_--(164)		JUNCTION	0.26	1.04	1	04:08	0.0157
0.0862	3.439						
Structure_--(165)		JUNCTION	0.26	1.28	1	04:01	0.0157
0.113	2.383						
Structure_--(166)		JUNCTION	0.26	1.54	1	04:00	0.0157
0.143	2.244						
Structure_--(167)		JUNCTION	0.26	1.79	1	04:00	0.0157
0.173	1.914						
Structure_--(168)		JUNCTION	0.26	2.05	1	04:00	0.0157
0.204	1.832						
Structure_--(169)		JUNCTION	0.26	2.31	1	04:00	0.0157
0.234	1.552						
Structure_--(170)		JUNCTION	0.26	9.54	1	20:28	0.0157
0.266	0.604						
Structure_--(171)		JUNCTION	0.00	19.47	1	20:28	0
1.87	1.109						
Structure_--(172)		JUNCTION	0.00	166.52	1	07:17	0
2.2	0.477						
Structure_--(173)		JUNCTION	0.00	6.58	1	04:00	0
0.681	0.854						

Structure_-(174)	JUNCTION	0.00	6.18	1	13:56	0
0.451 0.658						
Structure_-(175)	JUNCTION	0.00	1.54	1	04:01	0
0.157 1.082						
Structure_-(176)	JUNCTION	0.26	1.54	1	04:01	0.0157
0.151 1.919						
Structure_-(177)	JUNCTION	0.26	1.28	1	04:01	0.0157
0.124 2.777						
Structure_-(178)	JUNCTION	0.26	1.03	1	04:01	0.0157
0.0945 3.313						
Structure_-(179)	JUNCTION	0.26	0.80	1	12:05	0.0157
0.0669 3.435						
Structure_-(180)	JUNCTION	0.26	0.74	1	03:21	0.0157
0.0419 6.630						
Structure_-(181)	JUNCTION	0.26	0.47	1	03:23	0.0157
0.0184 2.004						
Structure_-(19)	JUNCTION	0.00	0.19	1	19:32	0
0.00561 27.551						
Structure_-(2)	JUNCTION	0.65	1.27	1	04:00	0.0391
0.0783 0.021						
Structure_-(20)	JUNCTION	0.00	1.07	1	03:24	0
0.0323 7.703						
Structure_-(205)	JUNCTION	0.26	5.55	1	13:57	0.0157
0.295 0.338						
Structure_-(206)	JUNCTION	0.26	2.31	1	04:00	0.0157
0.239 1.473						
Structure_-(207)	JUNCTION	0.26	2.05	1	04:00	0.0157
0.207 1.801						
Structure_-(208)	JUNCTION	0.26	1.79	1	04:00	0.0157
0.175 1.904						
Structure_-(209)	JUNCTION	0.26	1.54	1	04:00	0.0157
0.145 2.212						
Structure_-(21)	JUNCTION	0.26	0.41	1	03:23	0.0157
0.0181 2.571						
Structure_-(210)	JUNCTION	0.26	1.45	1	12:04	0.0157
0.116 2.349						
Structure_-(211)	JUNCTION	0.26	1.40	1	12:04	0.0157
0.0886 3.345						
Structure_-(212)	JUNCTION	0.26	1.44	1	12:04	0.0157
0.0628 3.409						
Structure_-(213)	JUNCTION	0.26	0.60	1	03:32	0.0157
0.0391 3.029						
Structure_-(214)	JUNCTION	0.26	0.26	1	04:00	0.0157
0.0175 0.296						
Structure_-(215)	JUNCTION	0.26	3.02	1	19:28	0.0157
0.262 0.425						
Structure_-(216)	JUNCTION	0.26	2.73	1	12:05	0.0157
0.243 1.442						
Structure_-(217)	JUNCTION	0.26	2.05	1	04:01	0.0157
0.213 1.886						
Structure_-(218)	JUNCTION	0.26	1.79	1	04:01	0.0157
0.18 2.174						
Structure_-(219)	JUNCTION	0.26	1.61	1	12:05	0.0157

0.15	2.177						
Structure_--(220)		JUNCTION	0.26	1.60	1	12:05	0.0157
0.122	2.209						
Structure_--(221)		JUNCTION	0.26	1.58	1	12:05	0.0157
0.0945	3.455						
Structure_--(222)		JUNCTION	0.26	1.28	1	19:29	0.0157
0.0651	3.824						
Structure_--(223)		JUNCTION	0.26	0.62	1	19:29	0.0157
0.0394	3.635						
Structure_--(23)		JUNCTION	0.00	1.36	1	04:03	0
0.268	0.010						
Structure_--(230)		JUNCTION	0.00	15.03	1	20:33	0
0.866	0.837						
Structure_--(231)		JUNCTION	0.00	14.02	1	13:41	0
0.535	0.945						
Structure_--(232)		JUNCTION	0.00	2.06	1	04:00	0
0.245	1.329						
Structure_--(233)		JUNCTION	0.26	2.06	1	04:00	0.0157
0.229	1.946						
Structure_--(234)		JUNCTION	0.26	1.80	1	04:00	0.0157
0.197	1.835						
Structure_--(235)		JUNCTION	0.26	1.54	1	04:00	0.0157
0.165	2.023						
Structure_--(236)		JUNCTION	0.26	1.29	1	04:00	0.0157
0.135	2.339						
Structure_--(237)		JUNCTION	0.26	1.03	1	04:00	0.0157
0.106	2.564						
Structure_--(238)		JUNCTION	0.26	0.89	1	12:05	0.0157
0.0784	3.824						
Structure_--(239)		JUNCTION	0.00	0.88	1	12:05	0
0.0508	4.249						
Structure_--(24)		JUNCTION	0.00	0.52	1	05:55	0
0.256	0.019						
Structure_--(240)		JUNCTION	0.26	0.53	1	04:08	0.0157
0.0405	2.661						
Structure_--(241)		JUNCTION	0.26	0.26	1	04:00	0.0157
0.0178	0.332						
Structure_--(242)		JUNCTION	0.71	3.87	1	04:00	0.0411
0.246	0.480						
Structure_--(243)		JUNCTION	1.06	3.17	1	04:00	0.0617
0.235	0.509						
Structure_--(244)		JUNCTION	1.06	2.11	1	04:00	0.0617
0.152	0.140						
Structure_--(245)		JUNCTION	1.06	1.06	1	04:00	0.0617
0.0617	0.038						
Structure_--(246)		JUNCTION	0.26	9.72	1	13:41	0.0157
0.273	0.471						
Structure_--(247)		JUNCTION	0.26	2.32	1	04:00	0.0157
0.239	1.482						
Structure_--(248)		JUNCTION	0.26	2.06	1	04:00	0.0157
0.209	1.784						
Structure_--(249)		JUNCTION	0.26	1.80	1	04:00	0.0157
0.177	1.883						



Structure_-(25)	JUNCTION	0.00	0.52	1	05:55	0
0.253		0.056				
Structure_-(250)	JUNCTION	0.26	1.54	1	04:00	0.0157
0.147		2.184				
Structure_-(251)	JUNCTION	0.26	1.28	1	04:00	0.0157
0.118		2.296				
Structure_-(252)	JUNCTION	0.26	1.05	1	12:04	0.0157
0.0908		3.246				
Structure_-(253)	JUNCTION	0.26	1.12	1	12:04	0.0157
0.0651		3.280				
Structure_-(254)	JUNCTION	0.26	0.56	1	04:08	0.0157
0.0406		2.977				
Structure_-(255)	JUNCTION	0.26	0.26	1	04:00	0.0157
0.0178		0.158				
Structure_-(256)	JUNCTION	0.26	9.90	1	20:33	0.0157
0.322		0.455				
Structure_-(257)	JUNCTION	0.26	3.38	1	04:01	0.0157
0.293		1.236				
Structure_-(258)	JUNCTION	0.26	3.14	1	04:01	0.0157
0.262		1.439				
Structure_-(259)	JUNCTION	0.26	2.89	1	04:01	0.0157
0.232		1.705				
Structure_-(26)	JUNCTION	0.00	0.49	1	06:51	0
0.245		0.184				
Structure_-(260)	JUNCTION	0.26	2.63	1	04:02	0.0157
0.203		1.623				
Structure_-(261)	JUNCTION	0.26	2.38	1	04:02	0.0157
0.177		1.514				
Structure_-(262)	JUNCTION	0.26	2.13	1	04:02	0.0157
0.152		2.118				
Structure_-(263)	JUNCTION	0.26	1.87	1	04:02	0.0157
0.127		1.946				
Structure_-(264)	JUNCTION	0.26	1.62	1	04:02	0.0157
0.105		1.342				
Structure_-(265)	JUNCTION	0.26	1.38	1	04:01	0.0157
0.0867		0.421				
Structure_-(266)	JUNCTION	0.26	1.13	1	04:01	0.0157
0.0704		0.020				
Structure_-(267)	JUNCTION	0.00	0.90	1	04:00	0
0.0548		0.050				
Structure_-(268)	JUNCTION	0.39	0.65	1	04:00	0.0235
0.0391		0.011				
Structure_-(269)	JUNCTION	0.26	0.26	1	04:00	0.0157
0.0157		0.022				
Structure_-(27)	JUNCTION	0.00	0.46	1	07:27	0
0.236		0.159				
Structure_-(270)	JUNCTION	0.26	0.26	1	04:00	0.0157
0.0157		0.013				
Structure_-(273)	JUNCTION	0.39	0.39	1	04:00	0.0235
0.0235		0.101				
Structure_-(274)	JUNCTION	0.26	0.64	1	04:00	0.0157
0.0391		0.014				
Structure_-(275)	JUNCTION	0.26	0.90	1	04:00	0.0157

0.0548	0.035						
Structure_-(276)		JUNCTION	0.26	1.54	1	04:01	0.0157
0.0939	0.046						
Structure_-(277)		JUNCTION	0.26	3.71	1	04:00	0.0157
0.224	0.022						
Structure_-(278)		JUNCTION	0.26	3.96	1	04:01	0.0157
0.24	0.002						
Structure_-(28)		JUNCTION	0.00	0.44	2	00:00	0
0.229	0.031						
Structure_-(287)		JUNCTION	0.26	1.29	1	04:00	0.0157
0.0778	1.638						
Structure_-(288)		JUNCTION	0.39	0.39	1	04:00	0.0235
0.0236	1.228						
Structure_-(29)		JUNCTION	0.00	0.44	2	00:00	0
0.224	0.058						
Structure_-(298)		JUNCTION	0.39	0.39	1	04:00	0.0235
0.0235	0.218						
Structure_-(3)		JUNCTION	0.65	1.80	1	03:59	0.0391
0.117	0.033						
Structure_-(30)		JUNCTION	0.00	0.44	2	00:00	0
0.219	0.178						
Structure_-(305)		JUNCTION	0.26	0.65	1	04:00	0.0157
0.0389	1.927						
Structure_-(306)		JUNCTION	0.39	0.39	1	04:00	0.0235
0.0236	1.465						
Structure_-(31)		JUNCTION	0.00	0.44	2	00:00	0
0.213	0.203						
Structure_-(319)		JUNCTION	0.18	5.58	1	04:00	0.0103
0.329	0.048						
Structure_-(32)		JUNCTION	0.00	0.43	2	00:00	0
0.208	0.106						
Structure_-(320)		JUNCTION	0.18	7.49	1	04:01	0.0103
0.441	0.022						
Structure_-(325)		JUNCTION	0.18	1.92	1	04:00	0.0103
0.113	0.157						
Structure_-(326)		JUNCTION	1.77	1.77	1	04:00	0.103
0.103	0.011						
Structure_-(33)		JUNCTION	0.00	0.43	2	00:00	0
0.204	0.174						
Structure_-(331)		JUNCTION	1.77	1.77	1	04:00	0.103
0.103	0.080						
Structure_-(332)		JUNCTION	1.77	1.77	1	04:00	0.103
0.103	0.093						
Structure_-(333)		JUNCTION	0.18	2.11	1	04:00	0.0103
0.123	0.196						
Structure_-(34)		JUNCTION	0.00	0.43	2	00:00	0
0.2	0.390						
Structure_-(341)		JUNCTION	1.77	1.77	1	04:00	0.103
0.103	0.197						
Structure_-(35)		JUNCTION	0.00	0.43	2	00:00	0
0.197	0.276						
Structure_-(37)		JUNCTION	0.26	6.86	1	04:02	0.0157
0.618	0.056						

Structure_-(370)	JUNCTION	0.00	4.08	1	04:05	0
0.0175 0.058						
Structure_-(371)	JUNCTION	0.00	4.29	1	04:05	0
0.0166 0.156						
Structure_-(372)	JUNCTION	0.26	0.26	1	04:00	0.0157
0.0157 0.021						
Structure_-(373)	JUNCTION	0.00	4.03	1	04:04	0
0.0175 -0.029						
Structure_-(374)	JUNCTION	0.26	0.26	1	04:00	0.0157
0.0157 0.014						
Structure_-(375)	JUNCTION	0.26	0.52	1	04:00	0.0157
0.0313 0.009						
Structure_-(376)	JUNCTION	0.26	0.78	1	04:00	0.0157
0.047 0.008						
Structure_-(377)	JUNCTION	0.26	1.03	1	04:00	0.0157
0.0626 0.009						
Structure_-(378)	JUNCTION	0.26	1.29	1	04:00	0.0157
0.0783 0.006						
Structure_-(379)	JUNCTION	0.00	31.77	1	04:09	0
2.86 0.302						
Structure_-(38)	JUNCTION	0.26	9.63	1	04:02	0.0157
0.789 0.041						
Structure_-(380)	JUNCTION	0.00	30.37	1	04:09	0
2.81 0.246						
Structure_-(381)	JUNCTION	0.00	30.44	1	04:09	0
2.79 0.099						
Structure_-(389)	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
Structure_-(39)	JUNCTION	0.65	10.35	1	04:04	0.0391
0.828 0.022						
Structure_-(390)	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
Structure_-(391)	JUNCTION	0.26	0.52	1	04:00	0.0157
0.0313 0.019						
Structure_-(392)	JUNCTION	0.00	0.51	1	04:00	0
0.0319 -0.013						
Structure_-(393)	JUNCTION	0.00	2.32	1	04:00	0
0.142 0.571						
Structure_-(394)	JUNCTION	0.00	2.57	1	04:00	0
0.162 1.059						
Structure_-(395)	JUNCTION	4.44	39.77	1	04:07	0.239
3.28 0.116						
Structure_-(396)	JUNCTION	0.26	0.26	1	04:00	0.0157
0.0157 0.016						
Structure_-(397)	JUNCTION	0.26	0.26	1	04:00	0.0157
0.0157 0.005						
Structure_-(398)	JUNCTION	0.26	0.52	1	04:00	0.0157
0.0314 0.007						
Structure_-(399)	JUNCTION	0.26	0.26	1	04:00	0.0157
0.0157 0.011						
Structure_-(4)	JUNCTION	0.65	2.31	1	04:06	0.0391
0.157 0.032						
Structure_-(40)	JUNCTION	0.65	11.95	1	04:03	0.0391

0.867	0.012						
Structure_-(400)		JUNCTION	0.26	1.03	1	04:00	0.0157
0.0626	0.009						
Structure_-(401)		JUNCTION	0.26	0.77	1	04:00	0.0157
0.047	0.012						
Structure_-(404)		JUNCTION	0.26	0.52	1	04:00	0.0157
0.0313	0.011						
Structure_-(405)		JUNCTION	0.26	0.26	1	04:00	0.0157
0.0157	0.011						
Structure_-(407)		JUNCTION	0.26	0.26	1	04:00	0.0157
0.0157	0.007						
Structure_-(408)		JUNCTION	0.00	2.82	1	04:01	0
0.172	0.010						
Structure_-(41)		JUNCTION	0.65	11.82	1	04:03	0.0391
0.906	0.075						
Structure_-(42)		JUNCTION	0.26	20.39	1	04:04	0.0157
1.44	0.104						
Structure_-(426)		JUNCTION	0.26	0.52	1	04:00	0.0157
0.0318	0.284						
Structure_-(427)		JUNCTION	0.26	0.26	1	04:00	0.0157
0.0157	1.153						
Structure_-(43)		JUNCTION	0.65	20.77	1	04:04	0.0391
1.48	0.242						
Structure_-(431)		JUNCTION	0.00	13.34	1	08:58	0
3.5	0.001						
Structure_-(432)		JUNCTION	0.00	13.34	1	08:58	0
3.5	-0.004						
Structure_-(433)		JUNCTION	0.00	13.34	1	08:58	0
3.5	0.014						
Structure_-(434)		JUNCTION	0.00	13.34	1	08:58	0
3.5	-0.016						
Structure_-(435)		JUNCTION	0.00	13.34	1	08:58	0
3.51	0.062						
Structure_-(44)		JUNCTION	0.65	21.18	1	04:04	0.0391
1.52	0.129						
Structure_-(446)		JUNCTION	0.00	18.42	1	05:49	0
3.75	0.015						
Structure_-(447)		JUNCTION	0.00	18.41	1	05:52	0
3.75	0.024						
Structure_-(448)		JUNCTION	0.00	18.40	1	05:54	0
3.76	0.081						
Structure_-(449)		JUNCTION	0.00	22.69	0	00:00	0
3.78	0.090						
Structure_-(45)		JUNCTION	0.26	21.38	1	04:04	0.0157
1.53	0.055						
Structure_-(450)		JUNCTION	0.00	47.92	0	00:00	0
3.78	0.028						
Structure_-(451)		JUNCTION	0.00	303.74	0	00:00	0
3.79	0.005						
Structure_-(453)		JUNCTION	0.00	5.91	1	04:01	0
0.0333	44.207						
Structure_-(454)		JUNCTION	0.00	5.85	1	04:01	0
0.033	0.033						

Structure_-(455)	JUNCTION	0.00	5.87	1	04:02	0
0.0343 3.703						
Structure_-(456)	JUNCTION	0.00	5.88	1	04:02	0
0.0356 3.873						
Structure_-(457)	JUNCTION	0.00	5.90	1	04:02	0
0.0373 5.089						
Structure_-(458)	JUNCTION	0.00	7.41	1	04:02	0
0.0389 25.254						
Structure_-(459)	JUNCTION	0.00	19.35	1	03:54	0
3.69 0.074						
Structure_-(46)	JUNCTION	0.26	21.60	1	04:04	0.0157
1.55 0.222						
Structure_-(460)	JUNCTION	0.00	18.64	1	04:29	0
3.7 0.024						
Structure_-(461)	JUNCTION	0.00	18.52	1	04:47	0
3.71 0.029						
Structure_-(462)	JUNCTION	0.00	18.48	1	05:33	0
3.73 0.084						
Structure_-(463)	JUNCTION	0.00	18.45	1	05:43	0
3.74 0.078						
Structure_-(469)	JUNCTION	0.26	32.97	1	13:06	0.0157
0.202 1.951						
Structure_-(47)	JUNCTION	0.65	30.40	1	04:03	0.0391
2.26 0.485						
Structure_-(470)	JUNCTION	0.26	1.03	1	04:00	0.0157
0.0626 0.020						
Structure_-(471)	JUNCTION	0.26	0.78	1	04:00	0.0157
0.047 0.007						
Structure_-(472)	JUNCTION	0.26	0.52	1	04:00	0.0157
0.0313 0.009						
Structure_-(473)	JUNCTION	0.26	0.26	1	04:00	0.0157
0.0157 0.011						
Structure_-(475)	JUNCTION	0.26	0.46	0	00:14	0.0157
0.0162 1.029						
Structure_-(476)	JUNCTION	0.26	0.63	0	00:08	0.0157
0.0325 1.407						
Structure_-(477)	JUNCTION	0.26	1.04	1	03:59	0.0157
0.0644 0.866						
Structure_-(478)	JUNCTION	0.00	32.69	1	04:09	0
2.88 0.205						
Structure_-(481)	JUNCTION	0.00	5.10	1	04:04	0
0.0254 58.842						
Structure_-(482)	JUNCTION	0.00	4.54	1	04:04	0
0.0184 7.785						
Structure_-(483)	JUNCTION	0.00	4.62	1	04:04	0
0.0181 7.280						
Structure_-(484)	JUNCTION	0.00	4.47	1	04:04	0
0.0174 -0.991						
Structure_-(485)	JUNCTION	0.00	4.43	1	04:04	0
0.0177 2.174						
Structure_-(487)	JUNCTION	0.26	0.26	1	04:00	0.0157
0.0157 0.287						
Structure_-(489)	JUNCTION	0.26	40.01	1	04:07	0.0157

3.19	5.487						
Structure_-(490)		JUNCTION	0.65	0.65	1	04:00	0.0391
0.0392	0.849						
Structure_-(495)		JUNCTION	0.00	1.54	1	04:00	0
0.0939	0.007						
Structure_-(5)		JUNCTION	0.65	2.86	1	04:05	0.0391
0.197	0.341						
Structure_-(50)		JUNCTION	0.65	30.73	1	04:04	0.0391
2.24	0.312						
Structure_-(502)		JUNCTION	0.26	0.26	1	04:00	0.0157
0.0157	0.007						
Structure_-(503)		JUNCTION	0.26	4.60	1	19:33	0.0157
0.495	0.705						
Structure_-(51)		JUNCTION	0.65	31.34	1	04:04	0.0391
2.29	0.393						
Structure_-(52)		JUNCTION	0.26	35.12	1	04:03	0.0157
2.55	0.587						
Structure_-(53)		JUNCTION	0.00	36.62	1	04:03	0
2.69	0.638						
Structure_-(54)		JUNCTION	0.00	36.62	1	04:03	0
2.72	0.566						
Structure_-(56)		JUNCTION	0.26	3.19	1	04:01	0.0157
0.392	0.069						
Structure_-(57)		JUNCTION	0.39	2.94	1	04:01	0.0235
0.18	0.009						
Structure_-(58)		JUNCTION	0.39	2.56	1	04:01	0.0235
0.157	0.020						
Structure_-(59)		JUNCTION	0.39	2.18	1	04:00	0.0235
0.133	0.020						
Structure_-(6)		JUNCTION	0.26	3.04	1	04:18	0.0157
0.22	1.343						
Structure_-(60)		JUNCTION	0.39	1.80	1	04:00	0.0235
0.11	0.011						
Structure_-(61)		JUNCTION	0.39	1.41	1	04:00	0.0235
0.0861	0.011						
Structure_-(62)		JUNCTION	0.39	1.03	1	04:00	0.0235
0.0626	0.021						
Structure_-(63)		JUNCTION	0.65	0.65	1	04:00	0.0391
0.0391	0.016						
Structure_-(7)		JUNCTION	0.26	3.25	1	04:18	0.0157
0.246	1.090						
Structure_-(70)		JUNCTION	0.39	3.52	1	04:02	0.0235
0.211	0.017						
Structure_-(71)		JUNCTION	0.39	3.52	1	04:02	0.0235
0.188	0.003						
Structure_-(72)		JUNCTION	0.39	2.68	1	04:02	0.0235
0.164	0.019						
Structure_-(73)		JUNCTION	0.39	2.30	1	04:01	0.0235
0.141	0.024						
Structure_-(74)		JUNCTION	0.39	1.92	1	04:01	0.0235
0.117	0.023						
Structure_-(75)		JUNCTION	0.39	1.54	1	04:01	0.0235
0.0939	0.025						

Structure_-(76)	JUNCTION	0.39	1.16	1	04:00	0.0235
0.0704		0.027				
Structure_-(77)	JUNCTION	0.39	0.77	1	04:00	0.0235
0.047		0.029				
Structure_-(78)	JUNCTION	0.39	0.39	1	04:00	0.0235
0.0235		0.018				
Structure_-(79)	JUNCTION	0.39	2.55	1	04:01	0.0235
0.156		0.022				
Structure_-(8)	JUNCTION	0.26	3.72	1	04:05	0.0157
0.327		1.720				
Structure_-(80)	JUNCTION	0.39	2.16	1	04:02	0.0235
0.133		0.024				
Structure_-(81)	JUNCTION	0.39	1.79	1	04:01	0.0235
0.11		0.024				
Structure_-(82)	JUNCTION	0.39	1.41	1	04:00	0.0235
0.0861		0.026				
Structure_-(83)	JUNCTION	0.39	1.03	1	04:00	0.0235
0.0626		0.028				
Structure_-(84)	JUNCTION	0.39	0.64	1	04:00	0.0235
0.0391		0.030				
Structure_-(85)	JUNCTION	0.26	0.26	1	04:00	0.0157
0.0157		0.021				
Structure_-(86)	JUNCTION	0.65	8.59	1	04:00	0.0391
0.523		0.030				
Structure_-(87)	JUNCTION	0.65	7.95	1	04:00	0.0391
0.484		0.082				
Structure_-(88)	JUNCTION	0.65	7.31	1	04:00	0.0391
0.445		0.077				
Structure_-(89)	JUNCTION	0.65	6.67	1	04:01	0.0391
0.407		0.112				
Structure_-(9)	JUNCTION	0.26	3.96	1	04:05	0.0157
0.376		1.592				
Structure_-(90)	JUNCTION	0.65	6.02	1	04:00	0.0391
0.368		0.108				
Structure_-(92)	JUNCTION	0.65	5.38	1	04:01	0.0391
0.329		0.004				
Structure_-(93)	JUNCTION	0.65	4.74	1	04:01	0.0391
0.29		0.007				
Structure_-(94)	JUNCTION	0.65	4.10	1	04:01	0.0391
0.25		0.004				
Structure_-(95)	JUNCTION	0.65	3.46	1	04:01	0.0391
0.211		0.005				
Structure_-(96)	JUNCTION	0.65	2.82	1	04:00	0.0391
0.172		0.013				
Structure_-(97)	JUNCTION	0.65	2.18	1	04:00	0.0391
0.133		0.012				
Structure_-(98)	JUNCTION	0.65	1.54	1	04:00	0.0391
0.0939		0.008				
Structure_-(99)	JUNCTION	0.00	0.90	1	04:00	0
0.0548		0.025				
Structure520	JUNCTION	0.26	0.36	1	12:09	0.0157
0.0179		2.412				
Structure521	JUNCTION	0.35	2.12	1	04:00	0.0206

0.125	5.487						
Structure522		JUNCTION	0.35	3.68	1	04:16	0.0206
0.155	4.160						
Structure587		JUNCTION	0.26	33.57	1	04:09	0.0157
3.01	2.343						
Structure593		JUNCTION	0.26	33.33	1	04:09	0.0157
2.96	2.448						
Structure602		JUNCTION	0.00	8.32	1	04:04	0
0.739	0.760						
5_Dummy_Outlet		OUTFALL	0.00	0.00	0	00:00	0
0	0.000	gal					
C_Dummy_Outlet		OUTFALL	0.00	0.00	0	00:00	0
0	0.000	gal					
D_Dummy_Outlet		OUTFALL	0.00	0.00	0	00:00	0
0	0.000	gal					
E_Dummy_Outlet		OUTFALL	0.00	0.00	0	00:00	0
0	0.000	gal					
F_Dummy_Outlet		OUTFALL	0.00	0.00	0	00:00	0
0	0.000	gal					
G_Dummy_Outlet		OUTFALL	0.00	0.00	0	00:00	0
0	0.000	gal					
H_Dummy_Outlet		OUTFALL	0.00	0.00	0	00:00	0
0	0.000	gal					
Outfall_002A		OUTFALL	0.00	13.33	1	08:59	0
3.5	0.000						
Outfall003		OUTFALL	0.00	29.73	1	04:19	0
1.99	0.000						
Facility77_Inlet		STORAGE	0.00	130.47	1	14:01	0
6.04	0.100						
PSC_Sump		STORAGE	0.00	16.78	1	04:28	0
3.56	0.001						
RetenionPond		STORAGE	0.00	82.49	0	00:00	0
5.65	0.001						

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Node Surcharge Summary

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Surcharging occurs when water rises above the top of the highest conduit.

Node	Type	Hours Surcharged	Max. Height Above Crown Feet	Min. Depth Below Rim Feet
Culvert_Ditch12c	JUNCTION	18.94	1.145	0.855
Ditch1_2	JUNCTION	19.26	0.450	0.000
DIitch12_18	JUNCTION	18.80	0.944	0.856
Facility77_PS	JUNCTION	47.77	43.851	0.000
PS004	JUNCTION	19.57	2.044	0.000
PSC_Outlet	JUNCTION	11.27	47.926	0.000
SDCB294	JUNCTION	1.85	0.979	4.021
Structure_-(10)	JUNCTION	0.58	0.476	5.964



Structure_--(139)	JUNCTION	17.38	2.603	3.797
Structure_--(140)	JUNCTION	16.50	2.556	3.494
Structure_--(141)	JUNCTION	15.78	2.789	1.911
Structure_--(142)	JUNCTION	9.59	1.758	2.242
Structure_--(143)	JUNCTION	0.56	1.139	3.921
Structure_--(144)	JUNCTION	0.01	0.020	4.390
Structure_--(161)	JUNCTION	0.02	0.180	3.420
Structure_--(162)	JUNCTION	1.85	0.768	2.582
Structure_--(163)	JUNCTION	9.66	2.129	1.071
Structure_--(164)	JUNCTION	11.73	2.132	0.968
Structure_--(165)	JUNCTION	13.38	2.250	0.850
Structure_--(166)	JUNCTION	16.17	2.414	0.686
Structure_--(167)	JUNCTION	19.23	2.822	0.128
Structure_--(168)	JUNCTION	22.52	3.341	0.000
Structure_--(169)	JUNCTION	23.95	3.703	0.000
Structure_--(170)	JUNCTION	21.47	3.119	4.371
Structure_--(171)	JUNCTION	30.02	4.154	4.616
Structure_--(172)	JUNCTION	37.39	6.463	0.000
Structure_--(173)	JUNCTION	17.78	2.487	3.113
Structure_--(174)	JUNCTION	30.31	4.226	3.094
Structure_--(175)	JUNCTION	34.31	4.702	8.578
Structure_--(176)	JUNCTION	23.30	3.647	7.683
Structure_--(177)	JUNCTION	18.65	2.821	6.519
Structure_--(178)	JUNCTION	11.68	2.651	0.749
Structure_--(179)	JUNCTION	8.96	2.176	1.474
Structure_--(180)	JUNCTION	3.43	0.869	6.421
Structure_--(181)	JUNCTION	0.60	0.555	7.345
Structure_--(19)	JUNCTION	4.93	1.429	5.851
Structure_--(20)	JUNCTION	1.06	1.023	2.477
Structure_--(205)	JUNCTION	24.60	3.906	1.584
Structure_--(206)	JUNCTION	25.39	3.934	0.000
Structure_--(207)	JUNCTION	21.71	3.172	0.000
Structure_--(208)	JUNCTION	19.23	2.950	0.000
Structure_--(209)	JUNCTION	16.18	2.689	0.411
Structure_--(21)	JUNCTION	0.69	0.632	2.868
Structure_--(210)	JUNCTION	13.72	2.703	0.397
Structure_--(211)	JUNCTION	11.72	2.371	0.729
Structure_--(212)	JUNCTION	9.64	2.518	0.682
Structure_--(213)	JUNCTION	1.85	0.756	2.594
Structure_--(214)	JUNCTION	0.13	0.145	3.455
Structure_--(215)	JUNCTION	31.23	4.274	2.504
Structure_--(216)	JUNCTION	32.78	4.382	0.000
Structure_--(217)	JUNCTION	22.48	3.343	0.000
Structure_--(218)	JUNCTION	20.78	2.954	0.000
Structure_--(219)	JUNCTION	14.72	2.138	0.862
Structure_--(220)	JUNCTION	12.22	1.843	1.257
Structure_--(221)	JUNCTION	10.09	1.625	1.475
Structure_--(222)	JUNCTION	1.70	0.679	2.371
Structure_--(223)	JUNCTION	0.67	0.485	2.865
Structure_--(23)	JUNCTION	19.94	16.669	0.000
Structure_--(230)	JUNCTION	24.16	3.801	3.419
Structure_--(231)	JUNCTION	26.19	3.998	2.832
Structure_--(232)	JUNCTION	23.62	3.674	2.858

Structure_-(233)	JUNCTION	23.04	3.535	0.815
Structure_-(234)	JUNCTION	21.72	3.198	0.782
Structure_-(235)	JUNCTION	19.23	2.726	1.134
Structure_-(236)	JUNCTION	16.16	2.326	1.024
Structure_-(237)	JUNCTION	13.36	1.978	1.122
Structure_-(238)	JUNCTION	11.67	1.644	1.456
Structure_-(239)	JUNCTION	9.65	1.171	2.029
Structure_-(24)	JUNCTION	19.83	8.101	0.000
Structure_-(240)	JUNCTION	0.97	0.613	2.737
Structure_-(241)	JUNCTION	0.03	0.047	3.553
Structure_-(243)	JUNCTION	0.94	0.243	4.977
Structure_-(246)	JUNCTION	22.37	3.371	2.779
Structure_-(247)	JUNCTION	25.41	3.921	0.000
Structure_-(248)	JUNCTION	21.72	3.167	0.000
Structure_-(249)	JUNCTION	19.23	2.715	0.235
Structure_-(25)	JUNCTION	19.81	7.928	0.000
Structure_-(250)	JUNCTION	16.17	2.328	0.772
Structure_-(251)	JUNCTION	13.37	1.978	1.122
Structure_-(252)	JUNCTION	11.70	1.747	1.353
Structure_-(253)	JUNCTION	9.76	1.802	1.398
Structure_-(254)	JUNCTION	1.95	0.718	2.632
Structure_-(255)	JUNCTION	0.07	0.068	3.532
Structure_-(256)	JUNCTION	22.78	3.467	3.013
Structure_-(257)	JUNCTION	32.79	4.391	0.000
Structure_-(258)	JUNCTION	22.48	3.363	0.000
Structure_-(259)	JUNCTION	20.78	2.986	0.000
Structure_-(26)	JUNCTION	19.73	7.357	0.000
Structure_-(260)	JUNCTION	14.72	2.191	0.809
Structure_-(261)	JUNCTION	12.22	1.827	1.273
Structure_-(262)	JUNCTION	10.12	1.440	1.660
Structure_-(263)	JUNCTION	1.95	0.746	2.304
Structure_-(264)	JUNCTION	0.88	0.571	2.779
Structure_-(265)	JUNCTION	0.18	0.053	3.447
Structure_-(27)	JUNCTION	19.54	5.937	0.000
Structure_-(28)	JUNCTION	19.47	5.760	0.000
Structure_-(29)	JUNCTION	19.43	5.649	0.000
Structure_-(30)	JUNCTION	19.30	5.221	0.000
Structure_-(31)	JUNCTION	18.96	4.075	0.000
Structure_-(32)	JUNCTION	18.65	3.499	0.000
Structure_-(325)	JUNCTION	0.36	0.215	2.635
Structure_-(33)	JUNCTION	18.46	3.216	0.000
Structure_-(331)	JUNCTION	0.71	2.458	1.222
Structure_-(332)	JUNCTION	0.46	2.296	1.234
Structure_-(34)	JUNCTION	17.71	2.092	0.000
Structure_-(35)	JUNCTION	15.32	0.265	0.000
Structure_-(379)	JUNCTION	20.20	1.498	5.652
Structure_-(380)	JUNCTION	20.07	0.782	4.418
Structure_-(394)	JUNCTION	14.41	0.282	8.083
Structure_-(395)	JUNCTION	20.22	1.613	6.007
Structure_-(446)	JUNCTION	47.72	15.599	0.000
Structure_-(447)	JUNCTION	47.79	14.570	0.000
Structure_-(448)	JUNCTION	47.96	13.458	0.000
Structure_-(449)	JUNCTION	47.99	8.988	0.000

Structure_-(450)	JUNCTION	48.00	6.845	0.000
Structure_-(451)	JUNCTION	48.00	7.745	0.000
Structure_-(453)	JUNCTION	19.97	3.508	0.000
Structure_-(454)	JUNCTION	19.97	3.541	0.000
Structure_-(455)	JUNCTION	19.98	3.509	0.000
Structure_-(456)	JUNCTION	20.00	3.146	0.187
Structure_-(457)	JUNCTION	20.01	3.080	0.253
Structure_-(458)	JUNCTION	20.04	2.520	0.813
Structure_-(459)	JUNCTION	47.86	25.354	0.000
Structure_-(460)	JUNCTION	47.86	24.931	0.000
Structure_-(461)	JUNCTION	47.89	24.228	0.000
Structure_-(462)	JUNCTION	47.90	23.708	0.000
Structure_-(463)	JUNCTION	47.94	21.886	0.000
Structure_-(469)	JUNCTION	14.15	1.996	1.004
Structure_-(47)	JUNCTION	0.20	0.088	5.028
Structure_-(475)	JUNCTION	47.75	2.814	7.516
Structure_-(476)	JUNCTION	47.76	2.930	7.560
Structure_-(477)	JUNCTION	47.81	3.235	7.255
Structure_-(478)	JUNCTION	20.29	1.811	6.039
Structure_-(481)	JUNCTION	19.92	3.512	0.000
Structure_-(482)	JUNCTION	19.92	3.535	0.000
Structure_-(483)	JUNCTION	19.92	3.555	0.000
Structure_-(484)	JUNCTION	19.90	3.504	0.000
Structure_-(485)	JUNCTION	19.89	3.534	0.000
Structure_-(487)	JUNCTION	47.86	3.898	7.222
Structure_-(50)	JUNCTION	0.64	0.477	4.390
Structure_-(503)	JUNCTION	0.60	0.484	5.896
Structure_-(51)	JUNCTION	0.88	0.664	4.283
Structure_-(52)	JUNCTION	1.13	0.792	2.975
Structure_-(53)	JUNCTION	0.58	0.392	4.474
Structure_-(54)	JUNCTION	0.53	0.344	4.522
Structure_-(6)	JUNCTION	0.67	0.611	2.409
Structure_-(7)	JUNCTION	0.53	0.414	2.866
Structure_-(8)	JUNCTION	0.75	0.681	4.849
Structure_-(9)	JUNCTION	1.01	0.956	5.474
Structure520	JUNCTION	0.05	0.065	1.785
Structure587	JUNCTION	20.24	1.627	0.373
Structure593	JUNCTION	20.25	1.666	0.334
Structure602	JUNCTION	0.63	0.510	1.490

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Node Flooding Summary

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Flooding refers to all water that overflows a node, whether it ponds or not.

Node	Hours Flooded	Maximum Rate CFS	Time of Max Occurrence days hr:min	Total Flood Volume 10 <sup>6</sup> gal	Maximum Ponded Depth Feet
Ditch1_2	19.26	10.08	1 04:44	0.290	0.450

Facility77_PS	47.77	22.28	1	03:30	0.187	43.851
PS004	18.63	1.05	1	05:24	0.011	0.604
PSC_Outlet	11.27	7.36	1	04:12	0.411	47.926
Structure_-_ (168)	0.56	0.61	1	04:06	0.001	0.341
Structure_-_ (169)	9.06	1.89	1	12:07	0.008	0.903
Structure_-_ (172)	36.59	28.31	1	06:48	0.134	5.463
Structure_-_ (206)	9.09	1.93	1	12:04	0.007	0.934
Structure_-_ (207)	0.61	0.68	1	19:28	0.001	0.372
Structure_-_ (208)	0.01	0.53	1	12:04	0.000	0.000
Structure_-_ (216)	11.00	2.73	1	12:05	0.012	1.382
Structure_-_ (217)	1.92	0.46	1	04:07	0.002	0.593
Structure_-_ (218)	0.31	0.21	1	04:10	0.000	0.104
Structure_-_ (23)	19.94	1.34	1	04:03	0.012	16.669
Structure_-_ (24)	16.60	0.01	1	07:52	0.003	3.601
Structure_-_ (247)	9.10	0.73	1	12:04	0.007	0.921
Structure_-_ (248)	0.59	0.44	1	04:06	0.001	0.367
Structure_-_ (25)	19.81	0.08	1	04:16	0.007	7.928
Structure_-_ (257)	11.00	2.48	1	12:05	0.012	1.391
Structure_-_ (258)	1.95	0.42	1	04:06	0.002	0.613
Structure_-_ (259)	0.32	0.33	1	04:09	0.000	0.136
Structure_-_ (26)	19.73	0.08	1	04:27	0.009	7.357
Structure_-_ (27)	19.54	0.03	1	05:32	0.007	5.937
Structure_-_ (28)	19.47	0.02	1	05:40	0.005	5.760
Structure_-_ (29)	19.43	0.02	1	05:43	0.005	5.649
Structure_-_ (30)	19.29	0.03	1	06:22	0.006	5.221
Structure_-_ (31)	18.95	0.02	1	06:23	0.005	4.075
Structure_-_ (32)	18.65	0.01	1	06:18	0.003	3.499
Structure_-_ (33)	18.46	0.01	1	06:17	0.004	3.216
Structure_-_ (34)	17.71	0.02	1	08:56	0.003	2.092
Structure_-_ (35)	15.31	0.03	1	04:36	0.000	0.265
Structure_-_ (446)	47.72	0.83	1	12:06	0.038	15.599
Structure_-_ (447)	47.79	1.26	0	00:03	0.039	14.570
Structure_-_ (448)	47.96	4.97	0	00:02	0.059	13.458
Structure_-_ (449)	47.99	22.69	0	00:00	0.033	8.988
Structure_-_ (450)	48.00	44.56	0	00:00	0.012	6.845
Structure_-_ (451)	48.00	289.37	0	00:00	0.011	7.745
Structure_-_ (453)	0.01	1.49	1	04:02	0.000	0.008
Structure_-_ (454)	0.01	1.30	1	04:01	0.000	0.041
Structure_-_ (455)	0.01	0.78	1	04:01	0.000	0.009
Structure_-_ (459)	47.86	3.03	1	12:04	0.101	25.354
Structure_-_ (460)	47.86	1.83	1	03:31	0.063	24.931
Structure_-_ (461)	47.89	1.88	1	12:04	0.063	24.228
Structure_-_ (462)	47.90	2.84	1	12:04	0.096	23.708
Structure_-_ (463)	47.94	8.66	0	00:03	0.080	21.886
Structure_-_ (481)	0.01	2.63	1	04:04	0.000	0.012
Structure_-_ (482)	0.01	1.90	1	04:04	0.000	0.035
Structure_-_ (483)	0.01	1.45	1	04:04	0.000	0.055
Structure_-_ (484)	0.01	0.50	1	04:04	0.000	0.004
Structure_-_ (485)	0.01	3.57	1	04:04	0.000	0.034

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Storage Volume Summary

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Time of Max Occurrence	Maximum Outflow Storage Unit	Average Volume	Avg Pc	Evap Pc	Exfil Loss	Maximum Volume	Max Pc
days hr:min	CFS	1000 ft3	Full	Loss	Loss	1000 ft3	Full
Facility77_Inlet		5.375	53	0	0	7.656	75
1 04:16	180.16						
PSC_Sump		1.642	25	0	0	5.050	76
1 07:32	15.05						
RetenionPond		264.451	65	0	0	319.969	78
1 07:32	303.74						

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 Outfall Loading Summary  
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Outfall Node	Flow Freq Pc	Avg Flow CFS	Max Flow CFS	Total Volume 10^6 gal
5_Dummy_Outlet	0.00	0.00	0.00	0.000
C_Dummy_Outlet	0.00	0.00	0.00	0.000
D_Dummy_Outlet	0.00	0.00	0.00	0.000
E_Dummy_Outlet	0.00	0.00	0.00	0.000
F_Dummy_Outlet	0.00	0.00	0.00	0.000
G_Dummy_Outlet	0.00	0.00	0.00	0.000
H_Dummy_Outlet	0.00	0.00	0.00	0.000
Outfall_002A	45.44	8.04	13.33	3.505
Outfall003	89.93	2.25	29.73	1.990
System	15.04	10.29	37.16	5.494

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 Link Flow Summary  
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Max/	Maximum  Flow	Time of Max Occurrence	Maximum  Veloc	Max/ Full
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Full Link Depth	Type	CFS	days	hr:min	ft/sec	Flow
172_to_Inlet 1.00	CONDUIT	163.76	1	07:17	18.88	0.05
278_to_PS_B 0.60	CONDUIT	3.96	1	04:01	1.68	0.05
381_to_PS77 0.30	CONDUIT	30.44	1	04:09	3.76	0.13
458_to_Inlet 0.68	CONDUIT	7.41	1	04:02	5.77	0.03
469_to_Inlet 1.00	CONDUIT	32.82	1	13:06	15.48	0.06
Culvert11 1.00	CONDUIT	2.48	1	04:52	3.32	25.65
Culvert12 1.00	CONDUIT	2.78	1	04:40	5.68	24.95
Culvert12a 1.00	CONDUIT	2.77	1	04:35	2.00	4.21
Culvert12c 1.00	CONDUIT	2.36	1	04:04	0.65	1.13
Ditch_77 1.00	CONDUIT	33.34	1	04:09	1.02	1.51
Ditch10 0.50	CONDUIT	1.04	1	04:00	0.40	0.01
Ditch11 0.77	CONDUIT	2.51	1	04:58	0.17	0.02
Ditch12 0.88	CONDUIT	2.76	1	04:35	0.90	0.01
Ditch12a 0.48	CONDUIT	2.78	1	04:41	0.61	0.01
Ditch13 0.84	CONDUIT	3.39	1	04:16	0.08	0.30
Ditch14 0.61	CONDUIT	3.43	1	04:00	0.21	0.03
Ditch15 0.51	CONDUIT	4.07	1	04:16	1.46	0.20
Ditch16 0.29	CONDUIT	4.92	1	04:17	1.46	0.04
Ditch17 0.27	CONDUIT	5.76	1	04:17	0.76	0.02
Ditch18 1.00	CONDUIT	2.37	1	04:04	0.12	0.01
Ditch2 1.00	CONDUIT	57.83	0	00:03	0.32	1.25
Ditch3 0.54	CONDUIT	77.32	0	00:03	2.21	0.05
Ditch3_4 1.00	CONDUIT	294.51	0	00:00	4.28	0.14
Ditch4 0.27	CONDUIT	9.28	1	04:03	0.07	0.00

0.36	Ditch4_489	CONDUIT	36.98	0	00:06	1.75	0.42
0.23	Ditch5	CONDUIT	19.47	1	04:09	1.25	0.05
0.19	Ditch6	CONDUIT	24.17	1	04:19	1.77	0.44
0.15	Ditch7	CONDUIT	24.25	1	04:21	2.42	0.03
0.25	Ditch8	CONDUIT	29.73	1	04:19	4.02	0.03
0.33	Ditch9	CONDUIT	2.68	1	04:03	0.37	0.01
1.00	Facility73_to_Pond	CONDUIT	303.74	0	00:00	>50.00	87.74
0.67	Pipe_-(1)	CONDUIT	0.62	1	04:00	1.34	0.12
1.00	Pipe_-(10)	CONDUIT	4.60	1	19:33	0.97	0.86
1.00	Pipe_-(10)_-(1)	CONDUIT	4.99	1	19:33	1.06	0.37
0.64	Pipe_-(117)	CONDUIT	3.59	1	04:02	2.23	0.16
0.30	Pipe_-(118)	CONDUIT	2.50	1	04:01	4.15	0.25
0.29	Pipe_-(119)	CONDUIT	2.17	1	04:01	3.82	0.13
0.35	Pipe_-(120)	CONDUIT	0.89	1	04:01	2.33	0.27
0.30	Pipe_-(122)	CONDUIT	0.64	1	04:01	2.07	0.13
0.27	Pipe_-(123)	CONDUIT	0.39	1	04:00	2.32	0.11
0.41	Pipe_-(124)	CONDUIT	0.90	1	04:00	2.97	0.37
0.34	Pipe_-(125)	CONDUIT	0.65	1	04:00	2.74	0.15
0.22	Pipe_-(126)	CONDUIT	0.39	1	04:00	2.97	0.08
0.33	Pipe_-(127)	CONDUIT	1.03	1	04:00	2.93	0.21
0.31	Pipe_-(128)	CONDUIT	0.39	1	04:00	1.88	0.11
0.28	Pipe_-(130)	CONDUIT	0.39	1	04:00	2.12	0.07
1.00	Pipe_-(133)	CONDUIT	1.60	1	03:54	2.19	0.32
1.00	Pipe_-(134)	CONDUIT	1.34	1	03:54	1.70	0.76
1.00	Pipe_-(135)	CONDUIT	1.09	1	03:54	1.39	0.62
1.00	Pipe_-(136)	CONDUIT	0.88	1	03:54	1.52	0.12
1.00	Pipe_-(137)	CONDUIT	0.77	1	03:54	2.37	0.12

1.00	Pipe_-(138)	CONDUIT	1.48	1	03:54	2.71	0.22
1.00	Pipe_-(153)	CONDUIT	0.45	1	12:05	0.87	0.13
1.00	Pipe_-(154)	CONDUIT	0.86	1	19:28	0.70	0.13
1.00	Pipe_-(155)	CONDUIT	0.82	1	12:04	0.60	0.10
1.00	Pipe_-(156)	CONDUIT	1.04	1	04:08	0.64	0.10
1.00	Pipe_-(157)	CONDUIT	1.28	1	04:01	0.71	0.12
1.00	Pipe_-(158)	CONDUIT	1.53	1	04:01	0.65	0.15
1.00	Pipe_-(159)	CONDUIT	1.79	1	04:00	1.08	0.12
1.00	Pipe_-(160)	CONDUIT	2.05	1	04:00	0.90	0.19
1.00	Pipe_-(161)	CONDUIT	3.91	1	20:28	1.37	0.36
1.00	Pipe_-(162)	CONDUIT	11.82	1	20:28	5.39	0.17
1.00	Pipe_-(163)	CONDUIT	17.23	1	04:01	1.89	0.12
1.00	Pipe_-(164)	CONDUIT	6.57	1	03:59	3.15	0.06
1.00	Pipe_-(165)	CONDUIT	4.08	1	04:00	1.30	0.21
1.00	Pipe_-(166)	CONDUIT	1.54	1	04:01	0.87	0.27
1.00	Pipe_-(167)	CONDUIT	1.54	1	04:01	1.00	0.15
1.00	Pipe_-(168)	CONDUIT	1.28	1	04:01	1.51	0.18
1.00	Pipe_-(169)	CONDUIT	1.03	1	04:01	0.79	0.14
1.00	Pipe_-(170)	CONDUIT	0.77	1	04:01	0.81	0.17
1.00	Pipe_-(171)	CONDUIT	0.79	1	12:05	0.82	0.35
1.00	Pipe_-(172)	CONDUIT	0.44	1	03:33	0.62	0.14
1.00	Pipe_-(18)	CONDUIT	0.27	1	19:33	0.16	0.03
1.00	Pipe_-(19)	CONDUIT	1.13	1	19:31	0.71	0.22
1.00	Pipe_-(196)	CONDUIT	5.68	1	13:56	3.51	0.12
1.00	Pipe_-(197)	CONDUIT	2.29	1	03:59	0.84	0.21
1.00	Pipe_-(198)	CONDUIT	2.05	1	04:00	0.80	0.13



1.00	Pipe_-(199)	CONDUIT	1.79	1	04:00	0.75	0.12
0.82	Pipe_-(2)	CONDUIT	1.17	1	04:06	1.91	0.23
1.00	Pipe_-(20)	CONDUIT	0.43	1	19:31	1.00	0.09
1.00	Pipe_-(200)	CONDUIT	1.54	1	04:00	0.67	0.15
1.00	Pipe_-(201)	CONDUIT	1.44	1	12:04	0.70	0.14
1.00	Pipe_-(202)	CONDUIT	1.43	1	19:28	0.63	0.14
1.00	Pipe_-(203)	CONDUIT	1.38	1	12:04	0.78	0.17
1.00	Pipe_-(204)	CONDUIT	1.42	1	12:04	1.17	0.22
1.00	Pipe_-(205)	CONDUIT	0.49	1	12:05	0.95	0.14
1.00	Pipe_-(206)	CONDUIT	2.87	1	19:28	0.91	0.05
1.00	Pipe_-(207)	CONDUIT	3.01	1	19:28	0.96	0.28
1.00	Pipe_-(208)	CONDUIT	2.03	1	04:01	0.70	0.11
1.00	Pipe_-(209)	CONDUIT	1.79	1	04:01	0.80	0.10
1.00	Pipe_-(210)	CONDUIT	1.61	1	12:05	0.80	0.12
1.00	Pipe_-(211)	CONDUIT	1.60	1	12:05	0.66	0.13
1.00	Pipe_-(212)	CONDUIT	1.58	1	12:05	0.69	0.14
1.00	Pipe_-(213)	CONDUIT	1.56	1	12:05	0.67	0.14
1.00	Pipe_-(214)	CONDUIT	1.27	1	19:29	0.79	0.16
1.00	Pipe_-(215)	CONDUIT	0.61	1	19:29	0.76	0.12
1.00	Pipe_-(22)	CONDUIT	0.52	1	05:55	10.58	10.01
1.00	Pipe_-(221)	CONDUIT	8.20	1	04:00	2.35	0.08
1.00	Pipe_-(222)	CONDUIT	4.91	1	20:32	1.70	0.09
1.00	Pipe_-(223)	CONDUIT	2.42	1	20:35	1.13	0.10
1.00	Pipe_-(224)	CONDUIT	2.06	1	04:00	1.47	0.11
1.00	Pipe_-(225)	CONDUIT	1.80	1	04:00	0.70	0.09
1.00	Pipe_-(226)	CONDUIT	1.54	1	04:00	0.71	0.10
1.00	Pipe_-(227)	CONDUIT	1.28	1	04:00	0.58	0.13

1.00	Pipe_-(228)	CONDUIT	1.03	1	04:00	0.65	0.09
1.00	Pipe_-(229)	CONDUIT	0.89	1	12:05	0.56	0.09
1.00	Pipe_-(23)	CONDUIT	0.52	1	05:55	2.65	1.77
1.00	Pipe_-(230)	CONDUIT	0.87	1	12:05	0.49	0.11
1.00	Pipe_-(231)	CONDUIT	0.88	1	12:05	0.85	0.13
1.00	Pipe_-(232)	CONDUIT	0.44	1	12:05	0.86	0.13
1.00	Pipe_-(234)	CONDUIT	3.17	1	04:00	1.79	0.40
1.00	Pipe_-(235)	CONDUIT	2.12	1	04:00	1.67	0.18
0.69	Pipe_-(236)	CONDUIT	1.06	1	04:00	2.06	0.18
0.35	Pipe_-(237)	CONDUIT	12.81	1	13:41	5.74	0.15
1.00	Pipe_-(238)	CONDUIT	3.57	1	13:41	1.47	0.31
1.00	Pipe_-(239)	CONDUIT	2.06	1	04:00	1.30	0.13
1.00	Pipe_-(24)	CONDUIT	0.49	1	06:51	2.48	1.67
1.00	Pipe_-(240)	CONDUIT	1.80	1	04:00	0.75	0.12
1.00	Pipe_-(241)	CONDUIT	1.54	1	04:00	0.64	0.15
1.00	Pipe_-(242)	CONDUIT	1.28	1	04:00	0.71	0.12
1.00	Pipe_-(243)	CONDUIT	1.06	1	12:04	0.64	0.11
1.00	Pipe_-(244)	CONDUIT	1.03	1	12:04	0.59	0.13
1.00	Pipe_-(245)	CONDUIT	1.11	1	12:04	0.91	0.17
1.00	Pipe_-(246)	CONDUIT	0.46	1	19:28	0.89	0.13
1.00	Pipe_-(247)	CONDUIT	12.19	1	13:43	5.61	0.12
1.00	Pipe_-(248)	CONDUIT	4.06	1	20:33	1.39	0.38
1.00	Pipe_-(249)	CONDUIT	3.12	1	04:01	1.33	0.17
1.00	Pipe_-(25)	CONDUIT	0.46	1	07:27	2.32	1.57
1.00	Pipe_-(250)	CONDUIT	2.89	1	04:01	1.03	0.17
1.00	Pipe_-(251)	CONDUIT	2.63	1	04:02	1.13	0.19
1.00							

1.00	Pipe_-(252)	CONDUIT	2.38	1	04:02	0.99	0.19
1.00	Pipe_-(253)	CONDUIT	2.13	1	04:02	1.09	0.18
1.00	Pipe_-(254)	CONDUIT	1.87	1	04:02	1.05	0.17
1.00	Pipe_-(255)	CONDUIT	1.62	1	04:02	0.94	0.20
1.00	Pipe_-(256)	CONDUIT	1.37	1	04:02	1.22	0.26
0.98	Pipe_-(257)	CONDUIT	1.12	1	04:02	1.66	0.41
0.97	Pipe_-(258)	CONDUIT	0.88	1	04:01	2.23	3.57
0.73	Pipe_-(259)	CONDUIT	0.65	1	04:00	1.93	0.24
1.00	Pipe_-(26)	CONDUIT	0.44	2	00:00	2.26	1.50
0.78	Pipe_-(260)	CONDUIT	0.26	1	04:00	2.18	0.49
0.66	Pipe_-(261)	CONDUIT	0.26	1	04:00	0.93	0.10
0.23	Pipe_-(264)	CONDUIT	0.38	1	04:01	1.79	0.14
0.24	Pipe_-(265)	CONDUIT	0.64	1	04:00	1.93	0.13
0.24	Pipe_-(266)	CONDUIT	0.90	1	04:01	2.80	0.13
0.21	Pipe_-(267)	CONDUIT	1.53	1	04:02	3.13	0.10
0.26	Pipe_-(268)	CONDUIT	3.71	1	04:01	4.51	0.15
1.00	Pipe_-(27)	CONDUIT	0.44	2	00:00	2.25	1.54
0.35	Pipe_-(277)	CONDUIT	1.29	1	04:00	3.42	0.11
0.96	Pipe_-(278)	CONDUIT	0.39	1	04:00	0.50	0.11
1.00	Pipe_-(28)	CONDUIT	0.44	2	00:00	2.24	1.50
0.97	Pipe_-(285)	CONDUIT	0.65	1	04:00	0.83	0.20
0.18	Pipe_-(288)	CONDUIT	0.39	1	04:00	1.34	0.03
1.00	Pipe_-(29)	CONDUIT	0.44	2	00:00	2.23	1.51
0.38	Pipe_-(295)	CONDUIT	0.65	1	04:00	2.39	0.06
0.93	Pipe_-(296)	CONDUIT	0.39	1	04:00	0.51	0.12
0.97	Pipe_-(3)	CONDUIT	1.71	1	04:06	2.28	0.34
	Pipe_-(30)	CONDUIT	0.43	2	00:00	2.21	1.50

1.00							
Pipe_-(307)	CONDUIT	1.74	1	04:01	1.10	0.37	
0.85							
Pipe_-(308)	CONDUIT	5.58	1	04:01	3.26	1.20	
0.93							
Pipe_-(309)	CONDUIT	7.49	1	04:01	4.91	1.65	
0.81							
Pipe_-(31)	CONDUIT	0.43	2	00:00	2.20	1.48	
1.00							
Pipe_-(310)	CONDUIT	11.88	1	04:01	7.51	0.67	
0.63							
Pipe_-(311)	CONDUIT	15.71	1	04:01	5.39	0.46	
0.58							
Pipe_-(312)	CONDUIT	16.72	1	04:01	4.58	0.75	
0.71							
Pipe_-(313)	CONDUIT	1.92	1	04:00	1.57	1.32	
1.00							
Pipe_-(314)	CONDUIT	1.75	1	04:00	2.72	0.44	
0.77							
Pipe_-(319)	CONDUIT	1.77	1	04:00	8.99	1.27	
1.00							
Pipe_-(32)	CONDUIT	0.43	2	00:00	2.19	1.48	
1.00							
Pipe_-(320)	CONDUIT	1.77	1	04:00	8.99	1.11	
1.00							
Pipe_-(321)	CONDUIT	2.11	1	04:00	3.01	0.17	
0.56							
Pipe_-(322)	CONDUIT	1.94	1	04:00	2.24	0.39	
0.66							
Pipe_-(323)	CONDUIT	1.76	1	04:00	2.74	1.29	
0.76							
Pipe_-(327)	CONDUIT	2.10	1	04:00	1.66	0.38	
0.67							
Pipe_-(328)	CONDUIT	1.94	1	04:00	3.15	0.34	
0.51							
Pipe_-(329)	CONDUIT	1.76	1	04:00	4.05	0.39	
0.54							
Pipe_-(33)	CONDUIT	0.43	2	00:00	2.18	1.47	
1.00							
Pipe_-(331)	CONDUIT	1.76	1	04:00	6.02	0.31	
0.43							
Pipe_-(333)	CONDUIT	1.94	1	04:00	2.47	1.39	
1.00							
Pipe_-(334)	CONDUIT	1.76	1	04:00	4.83	0.22	
0.64							
Pipe_-(337)	CONDUIT	4.37	1	04:16	0.82	0.20	
0.47							
Pipe_-(338)	CONDUIT	3.87	1	04:16	1.00	0.16	
0.44							
Pipe_-(34)	CONDUIT	0.43	2	00:00	2.74	1.46	
1.00							
Pipe_-(340)	CONDUIT	0.70	1	04:00	0.54	0.01	
0.47							

Pipe_-(35)	CONDUIT	3.18	1	04:02	1.90	0.07
0.23						
Pipe_-(358)	CONDUIT	4.03	1	04:05	7.36	0.42
0.44						
Pipe_-(359)	CONDUIT	0.26	1	04:05	2.11	0.03
0.23						
Pipe_-(36)	CONDUIT	6.85	1	04:02	3.12	0.14
0.28						
Pipe_-(360)	CONDUIT	4.03	1	04:05	5.71	0.60
0.67						
Pipe_-(361)	CONDUIT	0.26	1	04:00	2.20	0.20
0.37						
Pipe_-(362)	CONDUIT	0.52	1	04:00	2.94	0.35
0.50						
Pipe_-(363)	CONDUIT	0.78	1	04:00	3.79	0.61
0.57						
Pipe_-(364)	CONDUIT	1.03	1	04:00	5.19	0.31
0.30						
Pipe_-(365)	CONDUIT	1.29	1	04:00	2.57	0.11
0.61						
Pipe_-(366)	CONDUIT	30.37	1	04:09	3.16	0.34
1.00						
Pipe_-(367)	CONDUIT	30.37	1	04:09	3.31	0.57
1.00						
Pipe_-(369)	CONDUIT	0.26	1	04:00	5.11	0.04
0.57						
Pipe_-(37)	CONDUIT	9.74	1	04:04	4.18	0.20
0.30						
Pipe_-(370)	CONDUIT	31.77	1	04:09	4.49	5.07
1.00						
Pipe_-(374)	CONDUIT	0.00	0	00:00	0.00	0.00
0.00						
Pipe_-(375)	CONDUIT	0.00	0	00:00	0.00	0.00
0.11						
Pipe_-(376)	CONDUIT	0.26	1	04:00	1.77	0.06
0.16						
Pipe_-(377)	CONDUIT	0.51	1	04:01	1.35	0.05
0.45						
Pipe_-(378)	CONDUIT	2.32	1	04:00	1.99	0.14
0.82						
Pipe_-(379)	CONDUIT	2.56	1	04:00	1.45	0.15
1.00						
Pipe_-(38)	CONDUIT	11.33	1	04:03	6.46	0.23
0.24						
Pipe_-(380)	CONDUIT	0.51	1	04:00	4.03	0.10
0.22						
Pipe_-(381)	CONDUIT	0.26	1	04:00	6.32	0.01
0.06						
Pipe_-(382)	CONDUIT	0.52	1	04:00	2.35	0.25
0.69						
Pipe_-(383)	CONDUIT	0.26	1	04:00	3.06	0.13
0.29						
Pipe_-(384)	CONDUIT	1.03	1	04:00	4.97	0.21

0.31							
Pipe_-(385)	CONDUIT	0.77	1	04:00	4.79	0.45	
0.47							
Pipe_-(386)	CONDUIT	0.52	1	04:00	4.87	0.25	
0.34							
Pipe_-(387)	CONDUIT	0.26	1	04:00	3.13	0.12	
0.29							
Pipe_-(389)	CONDUIT	0.26	1	04:00	8.88	0.04	
0.55							
Pipe_-(39)	CONDUIT	11.19	1	04:03	3.87	0.07	
0.39							
Pipe_-(390)	CONDUIT	2.82	1	04:01	2.91	0.46	
0.54							
Pipe_-(4)	CONDUIT	2.25	1	04:05	2.01	0.21	
0.90							
Pipe_-(40)	CONDUIT	11.83	1	04:04	2.50	0.34	
0.62							
Pipe_-(404)	CONDUIT	0.53	1	04:03	1.07	0.07	
0.81							
Pipe_-(405)	CONDUIT	0.26	1	04:00	2.11	0.10	
0.31							
Pipe_-(408)	CONDUIT	13.33	1	08:59	6.79	0.22	
0.42							
Pipe_-(409)	CONDUIT	13.34	1	08:58	7.10	0.32	
0.51							
Pipe_-(41)	CONDUIT	20.16	1	04:04	3.49	0.35	
0.69							
Pipe_-(410)	CONDUIT	13.34	1	08:58	5.49	0.31	
0.50							
Pipe_-(411)	CONDUIT	13.34	1	08:58	6.31	0.32	
0.45							
Pipe_-(412)	CONDUIT	13.34	1	08:58	6.96	0.38	
0.41							
Pipe_-(42)	CONDUIT	20.57	1	04:04	2.91	0.43	
0.80							
Pipe_-(423)	CONDUIT	18.41	1	05:52	10.42	1.64	
1.00							
Pipe_-(424)	CONDUIT	18.40	1	05:54	10.41	1.66	
1.00							
Pipe_-(425)	CONDUIT	18.37	1	05:58	10.40	1.64	
1.00							
Pipe_-(426)	CONDUIT	22.69	0	00:00	13.00	2.03	
1.00							
Pipe_-(427)	CONDUIT	47.92	0	00:00	27.12	4.35	
1.00							
Pipe_-(429)	CONDUIT	5.91	1	04:01	3.95	2.10	
1.00							
Pipe_-(43)	CONDUIT	21.13	1	04:04	3.25	0.42	
0.83							
Pipe_-(430)	CONDUIT	5.85	1	04:01	3.31	1.96	
1.00							
Pipe_-(431)	CONDUIT	5.87	1	04:02	3.32	1.22	
1.00							

1.00	Pipe_-(432)	CONDUIT	5.88	1	04:02	2.70	0.90
1.00	Pipe_-(433)	CONDUIT	5.90	1	04:02	2.70	1.23
1.00	Pipe_-(434)	CONDUIT	19.35	1	03:54	8.87	1.41
1.00	Pipe_-(435)	CONDUIT	18.64	1	04:29	8.54	1.38
1.00	Pipe_-(436)	CONDUIT	18.52	1	04:47	8.49	1.22
1.00	Pipe_-(437)	CONDUIT	18.48	1	05:33	8.47	1.37
1.00	Pipe_-(438)	CONDUIT	18.45	1	05:43	8.46	1.34
1.00	Pipe_-(439)	CONDUIT	18.42	1	05:49	24.86	0.06
0.85	Pipe_-(44)	CONDUIT	21.35	1	04:04	4.12	0.43
0.59	Pipe_-(443)	CONDUIT	1.13	1	04:09	4.49	0.02
0.16	Pipe_-(444)	CONDUIT	0.78	1	04:00	3.39	0.05
0.14	Pipe_-(445)	CONDUIT	0.52	1	04:00	2.03	0.03
0.11	Pipe_-(446)	CONDUIT	0.26	1	04:00	1.46	0.01
1.00	Pipe_-(447)	CONDUIT	0.46	0	00:14	1.08	0.08
1.00	Pipe_-(448)	CONDUIT	0.63	0	00:08	1.07	0.11
1.00	Pipe_-(449)	CONDUIT	1.04	1	03:59	1.14	0.17
0.95	Pipe_-(45)	CONDUIT	21.52	1	04:03	1.89	0.36
1.00	Pipe_-(450)	CONDUIT	32.70	1	04:09	4.63	2.16
1.00	Pipe_-(452)	CONDUIT	5.10	1	04:04	3.10	6.24
1.00	Pipe_-(453)	CONDUIT	4.54	1	04:04	2.57	1.41
1.00	Pipe_-(454)	CONDUIT	4.62	1	04:04	2.62	1.57
1.00	Pipe_-(455)	CONDUIT	4.47	1	04:04	2.54	0.49
1.00	Pipe_-(456)	CONDUIT	4.19	1	04:04	2.43	0.80
1.00	Pipe_-(460)	CONDUIT	0.26	1	03:59	1.32	0.51
1.00	Pipe_-(461)	CONDUIT	33.57	1	04:09	7.75	21.70
1.00	Pipe_-(462)	CONDUIT	39.77	1	04:07	5.66	1.15
	Pipe_-(467)	CONDUIT	20.31	1	04:05	3.70	0.49

0.47							
Pipe_-(47)	CONDUIT	30.11	1	04:04	2.12	0.40	
1.00							
Pipe_-(474)	CONDUIT	1.54	1	04:00	2.63	0.25	
0.37							
Pipe_-(49)	CONDUIT	30.72	1	04:04	2.16	0.58	
1.00							
Pipe_-(5)	CONDUIT	2.84	1	04:24	1.92	0.26	
0.99							
Pipe_-(50)	CONDUIT	31.33	1	04:04	2.20	0.71	
1.00							
Pipe_-(51)	CONDUIT	35.10	1	04:03	2.47	4.38	
1.00							
Pipe_-(52)	CONDUIT	36.62	1	04:03	2.57	1.82	
1.00							
Pipe_-(53)	CONDUIT	36.64	1	04:02	2.58	0.68	
1.00							
Pipe_-(54)	CONDUIT	2.94	1	04:02	3.41	0.58	
0.49							
Pipe_-(55)	CONDUIT	2.56	1	04:01	2.77	0.51	
0.52							
Pipe_-(56)	CONDUIT	2.18	1	04:01	2.54	0.43	
0.49							
Pipe_-(57)	CONDUIT	1.79	1	04:01	2.35	0.35	
0.45							
Pipe_-(58)	CONDUIT	1.41	1	04:00	2.05	0.27	
0.41							
Pipe_-(59)	CONDUIT	1.03	1	04:00	1.72	0.20	
0.37							
Pipe_-(6)	CONDUIT	3.04	1	04:19	1.63	0.28	
1.00							
Pipe_-(60)	CONDUIT	0.64	1	04:00	1.48	0.13	
0.29							
Pipe_-(65)	CONDUIT	3.43	1	04:01	3.04	0.67	
0.61							
Pipe_-(66)	CONDUIT	3.14	1	04:02	4.03	0.19	
0.46							
Pipe_-(67)	CONDUIT	3.14	1	04:02	5.18	0.62	
0.38							
Pipe_-(68)	CONDUIT	2.30	1	04:02	2.89	0.45	
0.46							
Pipe_-(69)	CONDUIT	1.92	1	04:01	2.49	0.38	
0.45							
Pipe_-(7)	CONDUIT	3.25	1	04:17	1.26	0.19	
1.00							
Pipe_-(70)	CONDUIT	1.53	1	04:01	2.28	0.30	
0.41							
Pipe_-(71)	CONDUIT	1.15	1	04:01	2.07	0.23	
0.35							
Pipe_-(72)	CONDUIT	0.77	1	04:00	1.78	0.15	
0.29							
Pipe_-(73)	CONDUIT	0.39	1	04:00	1.40	0.12	
0.28							



Pipe_-(74)	CONDUIT	2.54	1	04:01	2.12	0.51
0.65						
Pipe_-(75)	CONDUIT	2.17	1	04:01	2.20	0.42
0.55						
Pipe_-(76)	CONDUIT	1.79	1	04:02	2.29	0.35
0.45						
Pipe_-(77)	CONDUIT	1.41	1	04:01	2.19	0.28
0.39						
Pipe_-(78)	CONDUIT	1.02	1	04:01	1.98	0.20
0.33						
Pipe_-(79)	CONDUIT	0.64	1	04:00	1.65	0.13
0.27						
Pipe_-(8)	CONDUIT	3.71	1	04:05	0.89	0.22
1.00						
Pipe_-(80)	CONDUIT	0.26	1	04:00	1.13	0.08
0.24						
Pipe_-(81)	CONDUIT	8.59	1	04:01	4.47	0.20
0.65						
Pipe_-(82)	CONDUIT	7.95	1	04:01	3.00	0.54
0.79						
Pipe_-(83)	CONDUIT	7.31	1	04:01	2.98	0.48
0.73						
Pipe_-(84)	CONDUIT	6.67	1	04:01	2.97	0.48
0.67						
Pipe_-(85)	CONDUIT	6.03	1	04:01	3.11	0.96
0.75						
Pipe_-(87)	CONDUIT	5.38	1	04:01	4.13	0.21
0.53						
Pipe_-(88)	CONDUIT	4.74	1	04:01	5.76	0.40
0.37						
Pipe_-(89)	CONDUIT	4.10	1	04:01	4.08	0.38
0.44						
Pipe_-(9)	CONDUIT	3.96	1	04:05	0.87	0.60
1.00						
Pipe_-(90)	CONDUIT	3.46	1	04:01	3.39	0.63
0.44						
Pipe_-(91)	CONDUIT	2.82	1	04:01	2.89	0.92
0.54						
Pipe_-(92)	CONDUIT	2.18	1	04:01	2.71	0.35
0.47						
Pipe_-(93)	CONDUIT	1.54	1	04:01	2.38	0.25
0.39						
Pipe_-(94)	CONDUIT	0.90	1	04:01	1.92	0.14
0.31						
Pipe_-(95)	CONDUIT	0.52	1	04:00	1.68	0.08
0.23						
Pipe_-(96)	CONDUIT	0.26	1	04:00	1.20	0.04
0.18						
Pipe_-(97)	CONDUIT	0.39	1	04:00	1.37	0.06
0.22						
Pipe_PS_A	CONDUIT	4.01	1	04:04	3.62	0.05
0.90						
Pipe_PS_B	CONDUIT	8.33	1	04:04	1.70	2.11

1.00	Pipe468	CONDUIT	24.13	1	04:06	11.12	3.86
0.70	Pipe483	CONDUIT	1.77	1	04:00	2.25	0.46
1.00	PSC_Overflow	CONDUIT	1.68	1	07:32	2.27	0.21
0.65	PSC_to_Outfall	CONDUIT	13.34	1	08:58	6.95	0.52
0.82	004Pump1	PUMP	1.36	1	04:03		0.85
	77Pump1	PUMP	22.28	1	03:30		1.00
	77Pump2	PUMP	0.00	0	00:00		0.00
	CPump1	PUMP	6.68	1	04:08		1.00
	CPump2	PUMP	6.68	1	04:11		1.00
	Ditch4_Connection	WEIR	8.39	1	04:21		
0.02	PondOutlet	DUMMY	16.78	1	04:28		

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Flow Classification Summary  
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		Adjusted	----- Fraction of Time in Flow Class							
		/Actual	Up	Down	Sub	Sup	Up	Down		
Norm	Inlet	Length	Dry	Dry	Dry	Crit	Crit	Crit	Crit	Ltd
Conduit Ctrl										
172_to_Inlet	0.00 0.00	1.00	0.01	0.14	0.00	0.85	0.00	0.00	0.00	
278_to_PS_B	0.99 0.00	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00	
381_to_PS77	0.00 0.00	1.00	0.42	0.00	0.00	0.22	0.00	0.02	0.34	
458_to_Inlet	0.01 0.00	1.00	0.07	0.38	0.00	0.07	0.00	0.48	0.00	
469_to_Inlet	0.24 0.00	1.00	0.00	0.00	0.00	0.83	0.01	0.00	0.16	
Culvert11	0.00 0.00	1.00	0.01	0.00	0.00	0.99	0.01	0.00	0.00	
Culvert12	0.00 0.03	1.00	0.00	0.00	0.00	0.95	0.05	0.00	0.00	
Culvert12a	0.00 0.00	1.00	0.04	0.00	0.00	0.96	0.00	0.00	0.00	
Culvert12c	0.00 0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	

Ditch_77	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Ditch10	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.51 0.00								
Ditch11	1.00	0.00	0.12	0.00	0.88	0.00	0.00	0.00
0.41 0.00								
Ditch12	1.00	0.04	0.13	0.00	0.84	0.00	0.00	0.00
0.37 0.00								
Ditch12a	1.00	0.04	0.03	0.00	0.93	0.00	0.00	0.00
0.54 0.00								
Ditch13	1.00	0.09	0.00	0.00	0.89	0.00	0.02	0.00
0.00 0.00								
Ditch14	1.00	0.00	0.15	0.00	0.85	0.00	0.00	0.00
0.79 0.00								
Ditch15	1.00	0.35	0.00	0.00	0.00	0.00	0.00	0.65
0.00 0.00								
Ditch16	1.00	0.11	0.00	0.00	0.00	0.00	0.00	0.89
0.00 0.00								
Ditch17	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.83 0.00								
Ditch18	1.00	0.00	0.00	0.00	0.84	0.00	0.00	0.16
0.35 0.00								
Ditch2	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Ditch3	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Ditch3_4	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Ditch4	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Ditch4_489	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Ditch5	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.86 0.00								
Ditch6	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Ditch7	1.00	0.14	0.00	0.00	0.00	0.00	0.00	0.86
0.00 0.00								
Ditch8	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Ditch9	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.96 0.00								
Facility73_to_Pond	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-_ (1)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.95 0.00								
Pipe_-_ (10)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-_ (10)_ (1)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.15 0.00								
Pipe_-_ (117)	1.00	0.00	0.00	0.00	0.76	0.03	0.00	0.20
0.70 0.00								
Pipe_-_ (118)	1.00	0.00	0.00	0.00	0.85	0.15	0.00	0.00



Pipe_-(163)	1.00	0.15	0.01	0.00	0.84	0.00	0.00	0.00
0.00 0.00								
Pipe_-(164)	1.00	0.16	0.02	0.00	0.82	0.00	0.00	0.00
0.04 0.00								
Pipe_-(165)	1.00	0.13	0.00	0.00	0.87	0.00	0.00	0.00
0.01 0.00								
Pipe_-(166)	1.00	0.01	0.04	0.00	0.95	0.00	0.00	0.00
0.16 0.00								
Pipe_-(167)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.14 0.00								
Pipe_-(168)	1.00	0.00	0.12	0.00	0.88	0.00	0.00	0.00
0.16 0.00								
Pipe_-(169)	1.00	0.00	0.12	0.00	0.88	0.00	0.00	0.00
0.41 0.00								
Pipe_-(170)	1.00	0.00	0.11	0.00	0.89	0.00	0.00	0.00
0.54 0.00								
Pipe_-(171)	1.00	0.11	0.06	0.00	0.83	0.00	0.00	0.00
0.04 0.00								
Pipe_-(172)	1.00	0.00	0.11	0.00	0.89	0.00	0.00	0.00
0.63 0.00								
Pipe_-(18)	1.00	0.00	0.35	0.00	0.65	0.00	0.00	0.00
0.32 0.00								
Pipe_-(19)	1.00	0.00	0.05	0.00	0.95	0.00	0.00	0.00
0.74 0.00								
Pipe_-(196)	1.00	0.01	0.11	0.00	0.88	0.00	0.00	0.00
0.02 0.00								
Pipe_-(197)	1.00	0.00	0.04	0.00	0.96	0.00	0.00	0.00
0.15 0.00								
Pipe_-(198)	1.00	0.04	0.08	0.00	0.87	0.00	0.00	0.00
0.09 0.00								
Pipe_-(199)	1.00	0.00	0.13	0.00	0.87	0.00	0.00	0.00
0.15 0.00								
Pipe_-(2)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.98 0.00								
Pipe_-(20)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.44 0.00								
Pipe_-(200)	1.00	0.00	0.12	0.00	0.88	0.00	0.00	0.00
0.28 0.00								
Pipe_-(201)	1.00	0.00	0.12	0.00	0.88	0.00	0.00	0.00
0.35 0.00								
Pipe_-(202)	1.00	0.00	0.12	0.00	0.88	0.00	0.00	0.00
0.38 0.00								
Pipe_-(203)	1.00	0.00	0.13	0.00	0.87	0.00	0.00	0.00
0.45 0.00								
Pipe_-(204)	1.00	0.00	0.13	0.00	0.87	0.00	0.00	0.00
0.57 0.00								
Pipe_-(205)	1.00	0.00	0.12	0.00	0.88	0.00	0.00	0.00
0.65 0.00								
Pipe_-(206)	1.00	0.13	0.01	0.00	0.87	0.00	0.00	0.00
0.00 0.00								
Pipe_-(207)	1.00	0.00	0.04	0.00	0.96	0.00	0.00	0.00
0.15 0.00								
Pipe_-(208)	1.00	0.04	0.09	0.00	0.87	0.00	0.00	0.00









Pipe_-(320)	1.00	0.00	0.11	0.00	0.84	0.04	0.00	0.00
0.83 0.00								
Pipe_-(321)	1.00	0.00	0.13	0.00	0.87	0.00	0.00	0.00
0.84 0.00								
Pipe_-(322)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.15 0.00								
Pipe_-(323)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.72 0.00								
Pipe_-(327)	1.00	0.00	0.12	0.00	0.88	0.00	0.00	0.00
0.69 0.00								
Pipe_-(328)	1.00	0.12	0.00	0.00	0.04	0.01	0.00	0.83
0.04 0.00								
Pipe_-(329)	1.00	0.00	0.12	0.00	0.85	0.03	0.00	0.00
0.84 0.00								
Pipe_-(33)	1.00	0.42	0.03	0.00	0.55	0.00	0.00	0.00
0.01 0.00								
Pipe_-(331)	1.00	0.11	0.00	0.00	0.00	0.02	0.00	0.87
0.01 0.00								
Pipe_-(333)	1.00	0.11	0.00	0.00	0.77	0.00	0.00	0.12
0.01 0.00								
Pipe_-(334)	1.00	0.00	0.00	0.00	0.03	0.04	0.00	0.93
0.06 0.00								
Pipe_-(337)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.15 0.00								
Pipe_-(338)	1.00	0.00	0.28	0.00	0.63	0.00	0.09	0.00
0.17 0.00								
Pipe_-(34)	1.00	0.00	0.42	0.00	0.58	0.00	0.00	0.00
0.00 0.00								
Pipe_-(340)	1.00	0.00	0.14	0.00	0.86	0.00	0.00	0.00
0.83 0.00								
Pipe_-(35)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.97 0.00								
Pipe_-(358)	1.00	0.01	0.00	0.00	0.95	0.04	0.00	0.00
0.96 0.00								
Pipe_-(359)	1.00	0.00	0.00	0.00	0.96	0.04	0.00	0.00
0.02 0.00								
Pipe_-(36)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.96 0.00								
Pipe_-(360)	1.00	0.01	0.00	0.00	0.21	0.78	0.00	0.00
0.01 0.00								
Pipe_-(361)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.87 0.00								
Pipe_-(362)	1.00	0.00	0.00	0.00	0.55	0.45	0.00	0.00
0.95 0.00								
Pipe_-(363)	1.00	0.00	0.00	0.00	0.44	0.56	0.00	0.00
0.95 0.00								
Pipe_-(364)	1.00	0.00	0.00	0.00	0.10	0.90	0.00	0.00
0.01 0.00								
Pipe_-(365)	1.00	0.00	0.04	0.00	0.95	0.00	0.00	0.00
1.00 0.00								
Pipe_-(366)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(367)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00



Pipe_-(409)	1.00	0.44	0.09	0.00	0.30	0.16	0.00	0.00
0.15 0.00								
Pipe_-(41)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.79 0.00								
Pipe_-(410)	1.00	0.44	0.00	0.00	0.26	0.30	0.00	0.00
0.14 0.00								
Pipe_-(411)	1.00	0.44	0.00	0.00	0.17	0.38	0.00	0.00
0.19 0.00								
Pipe_-(412)	1.00	0.44	0.00	0.00	0.19	0.37	0.00	0.00
0.36 0.00								
Pipe_-(42)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.22 0.00								
Pipe_-(423)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(424)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(425)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(426)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(427)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(429)	1.00	0.04	0.00	0.00	0.96	0.00	0.00	0.00
0.08 0.00								
Pipe_-(43)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.28 0.00								
Pipe_-(430)	1.00	0.05	0.00	0.00	0.95	0.00	0.00	0.00
0.03 0.00								
Pipe_-(431)	1.00	0.05	0.00	0.00	0.95	0.00	0.00	0.00
0.32 0.00								
Pipe_-(432)	1.00	0.06	0.00	0.00	0.94	0.00	0.00	0.00
0.08 0.00								
Pipe_-(433)	1.00	0.06	0.02	0.00	0.92	0.00	0.00	0.00
0.13 0.00								
Pipe_-(434)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(435)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(436)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(437)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(438)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(439)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(44)	1.00	0.00	0.00	0.00	0.72	0.28	0.00	0.00
0.00 0.00								
Pipe_-(443)	1.00	0.00	0.00	0.00	0.71	0.29	0.00	0.00
0.68 0.00								
Pipe_-(444)	1.00	0.00	0.00	0.00	0.41	0.59	0.00	0.00
0.11 0.00								
Pipe_-(445)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00



Pipe_-(57)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.93 0.00								
Pipe_-(58)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.94 0.00								
Pipe_-(59)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.95 0.00								
Pipe_-(6)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.59 0.00								
Pipe_-(60)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
1.00 0.00								
Pipe_-(65)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.40 0.00								
Pipe_-(66)	1.00	0.00	0.00	0.00	0.99	0.01	0.00	0.00
0.99 0.00								
Pipe_-(67)	1.00	0.00	0.00	0.00	0.52	0.48	0.00	0.00
0.00 0.00								
Pipe_-(68)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.85 0.00								
Pipe_-(69)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.97 0.00								
Pipe_-(7)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.66 0.00								
Pipe_-(70)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.98 0.00								
Pipe_-(71)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
1.00 0.00								
Pipe_-(72)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
1.00 0.00								
Pipe_-(73)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.99 0.00								
Pipe_-(74)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.90 0.00								
Pipe_-(75)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.98 0.00								
Pipe_-(76)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.97 0.00								
Pipe_-(77)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.99 0.00								
Pipe_-(78)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
1.00 0.00								
Pipe_-(79)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
1.00 0.00								
Pipe_-(8)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.62 0.00								
Pipe_-(80)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.99 0.00								
Pipe_-(81)	1.00	0.00	0.12	0.00	0.87	0.01	0.00	0.00
0.84 0.00								
Pipe_-(82)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.03 0.00								
Pipe_-(83)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.14 0.00								
Pipe_-(84)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00

0.15	0.00								
Pipe_-(85)		1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00	0.00								
Pipe_-(87)		1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
1.00	0.00								
Pipe_-(88)		1.00	0.00	0.00	0.00	0.15	0.85	0.00	0.00
0.05	0.00								
Pipe_-(89)		1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.90	0.00								
Pipe_-(9)		1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.29	0.00								
Pipe_-(90)		1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00	0.00								
Pipe_-(91)		1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.23	0.00								
Pipe_-(92)		1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.99	0.00								
Pipe_-(93)		1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.94	0.00								
Pipe_-(94)		1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00
0.98	0.00								
Pipe_-(95)		1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.99	0.00								
Pipe_-(96)		1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.94	0.00								
Pipe_-(97)		1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.93	0.00								
Pipe_PS_A		1.00	0.01	0.01	0.00	0.79	0.19	0.00	0.00
0.98	0.00								
Pipe_PS_B		1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00	0.00								
Pipe468		1.00	0.00	0.00	0.00	0.13	0.87	0.00	0.00
0.00	0.00								
Pipe483		1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.45	0.00								
PSC_Overflow		1.00	0.42	0.52	0.00	0.06	0.00	0.00	0.00
0.37	0.00								
PSC_to_Outfall		1.00	0.44	0.10	0.00	0.43	0.02	0.00	0.00
0.14	0.00								

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 Conduit Surcharge Summary  
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Conduit	----- Both Ends	Hours Full Upstream	----- Dnstream	Hours Above Full Normal Flow	Hours Capacity Limited
172_to_Inlet	37.39	37.39	39.24	0.01	0.01
278_to_PS_B	0.01	0.01	1.96	0.01	0.01
458_to_Inlet	0.01	0.01	20.04	0.01	0.01

469_to_Inlet	14.14	14.14	37.74	0.01	0.01
Culvert11	18.51	20.08	18.51	20.69	18.51
Culvert12	18.65	19.99	18.65	20.83	18.65
Culvert12a	18.71	18.71	18.71	2.73	0.97
Culvert12c	18.94	18.94	18.94	0.01	5.10
Ditch_77	47.84	47.84	47.84	0.84	2.35
Ditch12	0.01	0.01	19.04	0.01	0.01
Ditch18	18.80	18.80	19.57	0.01	0.01
Ditch2	19.26	19.26	19.26	0.02	3.80
Ditch3_4	19.15	19.15	26.05	0.01	0.01
Facility73_to_Pond	48.00	48.00	48.00	9.30	8.95
Pipe_-(10)	0.58	0.58	0.60	0.01	0.02
Pipe_-(10)(1)	0.60	0.60	0.63	0.01	0.01
Pipe_-(117)	0.01	0.01	12.13	0.01	0.01
Pipe_-(133)	17.38	17.38	18.59	0.01	0.01
Pipe_-(134)	16.50	16.50	17.38	0.01	0.02
Pipe_-(135)	15.77	15.77	16.50	0.01	0.03
Pipe_-(136)	9.59	9.59	15.77	0.01	0.01
Pipe_-(137)	0.55	0.55	9.59	0.01	0.01
Pipe_-(138)	0.01	0.01	0.56	0.01	0.01
Pipe_-(153)	0.02	0.02	10.38	0.01	0.01
Pipe_-(154)	1.84	1.84	11.97	0.01	0.01
Pipe_-(155)	9.66	9.66	13.89	0.01	0.01
Pipe_-(156)	11.73	11.73	14.50	0.01	0.01
Pipe_-(157)	13.37	13.37	17.47	0.01	0.01
Pipe_-(158)	16.17	16.17	20.84	0.01	0.01
Pipe_-(159)	19.22	19.22	23.46	0.01	0.01
Pipe_-(160)	22.52	22.52	23.95	0.01	0.01
Pipe_-(161)	25.39	25.39	29.41	0.01	0.01
Pipe_-(162)	21.47	21.47	30.02	0.01	0.01
Pipe_-(163)	36.02	36.02	37.39	0.01	0.01
Pipe_-(164)	17.77	17.77	37.16	0.01	0.01
Pipe_-(165)	30.31	30.31	35.64	0.01	0.01
Pipe_-(166)	34.31	34.31	35.46	0.01	0.01
Pipe_-(167)	23.30	23.30	34.31	0.01	0.01
Pipe_-(168)	18.65	18.65	23.30	0.01	0.01
Pipe_-(169)	11.68	11.68	19.24	0.01	0.01
Pipe_-(170)	8.95	8.95	13.50	0.01	0.01
Pipe_-(171)	3.42	3.42	8.95	0.01	0.01
Pipe_-(172)	0.59	0.59	38.35	0.01	0.01
Pipe_-(18)	4.92	4.92	9.51	0.01	0.01
Pipe_-(19)	1.06	1.06	9.05	0.01	0.01
Pipe_-(196)	24.60	24.60	32.86	0.01	0.01
Pipe_-(197)	25.39	25.39	29.39	0.01	0.01
Pipe_-(198)	21.71	21.71	25.39	0.01	0.01
Pipe_-(199)	19.23	19.23	23.46	0.01	0.01
Pipe_-(20)	0.69	0.69	1.06	0.01	0.01
Pipe_-(200)	16.18	16.18	20.86	0.01	0.01
Pipe_-(201)	13.72	13.72	17.48	0.01	0.01
Pipe_-(202)	11.72	11.72	14.90	0.01	0.01
Pipe_-(203)	9.64	9.64	13.90	0.01	0.01
Pipe_-(204)	1.85	1.85	11.96	0.01	0.01
Pipe_-(205)	0.13	0.13	10.38	0.01	0.01

Pipe_-(206)	31.23	31.23	35.64	0.01	0.01
Pipe_-(207)	32.78	32.78	33.94	0.01	0.01
Pipe_-(208)	22.48	22.48	32.78	0.01	0.01
Pipe_-(209)	20.77	20.77	23.42	0.01	0.01
Pipe_-(210)	14.72	14.72	22.53	0.01	0.01
Pipe_-(211)	12.22	12.22	16.89	0.01	0.01
Pipe_-(212)	10.09	10.09	12.96	0.01	0.01
Pipe_-(213)	1.69	1.69	10.74	0.01	0.01
Pipe_-(214)	0.67	0.67	9.57	0.01	0.01
Pipe_-(215)	0.05	0.05	7.01	0.01	0.01
Pipe_-(22)	19.93	19.94	19.93	19.93	19.93
Pipe_-(221)	24.15	24.15	37.08	0.01	0.01
Pipe_-(222)	26.18	26.18	36.31	0.01	0.01
Pipe_-(223)	23.62	23.62	35.67	0.01	0.01
Pipe_-(224)	23.03	23.03	30.06	0.01	0.01
Pipe_-(225)	21.72	21.72	33.18	0.01	0.01
Pipe_-(226)	19.23	19.23	23.46	0.01	0.01
Pipe_-(227)	16.16	16.16	20.85	0.01	0.01
Pipe_-(228)	13.35	13.35	17.48	0.01	0.01
Pipe_-(229)	11.67	11.67	14.48	0.01	0.01
Pipe_-(23)	19.81	19.83	19.81	19.83	19.81
Pipe_-(230)	9.65	9.65	13.89	0.01	0.01
Pipe_-(231)	0.97	0.97	12.03	0.01	0.01
Pipe_-(232)	0.03	0.03	10.05	0.01	0.01
Pipe_-(234)	0.94	0.94	39.53	0.01	0.01
Pipe_-(235)	0.01	0.01	0.94	0.01	0.01
Pipe_-(237)	22.37	22.37	35.67	0.01	0.01
Pipe_-(238)	25.41	25.41	29.75	0.01	0.01
Pipe_-(239)	21.72	21.72	25.41	0.01	0.01
Pipe_-(24)	19.73	19.81	19.73	19.83	19.73
Pipe_-(240)	19.23	19.23	23.46	0.01	0.01
Pipe_-(241)	16.17	16.17	20.85	0.01	0.01
Pipe_-(242)	13.37	13.37	17.48	0.01	0.01
Pipe_-(243)	11.70	11.70	14.52	0.01	0.01
Pipe_-(244)	9.76	9.76	13.90	0.01	0.01
Pipe_-(245)	1.94	1.94	12.09	0.01	0.01
Pipe_-(246)	0.07	0.07	10.40	0.01	0.01
Pipe_-(247)	22.78	22.78	36.81	0.01	0.01
Pipe_-(248)	32.79	32.79	33.98	0.01	0.01
Pipe_-(249)	22.48	22.48	32.79	0.01	0.01
Pipe_-(25)	19.54	19.73	19.54	19.76	19.54
Pipe_-(250)	20.78	20.78	23.41	0.01	0.01
Pipe_-(251)	14.72	14.72	22.52	0.01	0.01
Pipe_-(252)	12.22	12.22	16.89	0.01	0.01
Pipe_-(253)	10.12	10.12	12.99	0.01	0.01
Pipe_-(254)	1.94	1.94	10.71	0.01	0.01
Pipe_-(255)	0.88	0.88	9.54	0.01	0.01
Pipe_-(256)	0.18	0.18	6.99	0.01	0.01
Pipe_-(257)	0.01	0.01	0.89	0.01	0.01
Pipe_-(258)	0.01	0.01	0.01	2.06	0.01
Pipe_-(26)	19.47	19.54	19.47	19.59	19.47
Pipe_-(27)	19.43	19.47	19.43	19.69	19.43
Pipe_-(278)	0.01	0.01	39.54	0.01	0.01



Pipe_-(28)	19.29	19.43	19.29	19.43	19.29
Pipe_-(285)	0.01	0.01	39.54	0.01	0.01
Pipe_-(29)	18.95	19.29	18.95	19.19	18.95
Pipe_-(296)	0.01	0.01	39.46	0.01	0.01
Pipe_-(3)	0.01	0.01	0.25	0.01	0.01
Pipe_-(30)	18.65	18.95	18.65	19.06	18.65
Pipe_-(308)	0.01	0.01	0.01	0.45	0.01
Pipe_-(309)	0.01	0.01	0.01	1.02	0.01
Pipe_-(31)	18.46	18.65	18.46	18.44	18.46
Pipe_-(313)	0.33	0.36	0.33	0.63	0.33
Pipe_-(314)	0.01	0.01	1.11	0.01	0.01
Pipe_-(319)	0.71	0.71	2.35	0.53	0.53
Pipe_-(32)	17.71	18.46	17.71	18.32	17.71
Pipe_-(320)	0.46	0.46	2.47	0.25	0.24
Pipe_-(323)	0.01	0.01	0.01	0.58	0.01
Pipe_-(33)	15.05	17.71	15.31	18.19	15.05
Pipe_-(333)	0.53	0.55	0.53	0.71	0.53
Pipe_-(34)	0.15	15.31	1.10	18.13	0.09
Pipe_-(365)	0.01	0.01	24.92	0.01	0.01
Pipe_-(366)	20.07	20.07	20.20	0.01	0.01
Pipe_-(367)	20.07	20.07	20.11	0.01	0.01
Pipe_-(369)	0.01	0.01	20.43	0.01	0.01
Pipe_-(370)	20.29	20.29	20.40	4.32	4.53
Pipe_-(378)	0.01	0.01	20.19	0.01	0.01
Pipe_-(379)	20.19	20.19	47.88	0.01	0.01
Pipe_-(382)	0.01	0.01	19.71	0.01	0.01
Pipe_-(389)	0.01	0.01	14.38	0.01	0.01
Pipe_-(404)	0.01	0.01	47.87	0.01	0.01
Pipe_-(423)	47.73	47.73	47.79	7.23	7.84
Pipe_-(424)	47.79	47.79	47.96	7.30	7.95
Pipe_-(425)	47.96	47.96	47.99	7.29	7.65
Pipe_-(426)	47.99	47.99	48.00	7.32	8.00
Pipe_-(427)	48.00	48.00	48.00	7.38	7.44
Pipe_-(429)	19.97	19.97	19.97	0.11	5.44
Pipe_-(430)	19.97	19.97	19.98	0.10	2.67
Pipe_-(431)	19.98	19.98	20.01	0.06	0.02
Pipe_-(432)	20.00	20.00	20.01	0.01	0.07
Pipe_-(433)	20.01	20.01	20.04	0.06	0.01
Pipe_-(434)	47.77	47.77	47.86	7.04	7.45
Pipe_-(435)	47.86	47.86	47.86	6.98	7.59
Pipe_-(436)	47.86	47.86	47.89	6.70	7.07
Pipe_-(437)	47.89	47.89	47.90	6.87	7.47
Pipe_-(438)	47.90	47.90	47.94	6.71	6.94
Pipe_-(439)	47.72	47.72	47.94	0.01	0.01
Pipe_-(443)	0.01	0.01	14.14	0.01	0.01
Pipe_-(447)	47.75	47.75	47.76	0.01	0.01
Pipe_-(448)	47.76	47.76	47.81	0.01	0.01
Pipe_-(449)	47.81	47.81	47.85	0.01	0.01
Pipe_-(45)	0.01	0.01	0.20	0.01	0.01
Pipe_-(450)	20.25	20.25	20.29	1.28	1.01
Pipe_-(452)	19.92	19.92	19.97	0.15	1.31
Pipe_-(453)	19.92	19.92	19.92	0.01	0.25
Pipe_-(454)	19.92	19.92	19.92	0.01	0.24

Pipe_-(455)	19.90	19.90	19.92	0.01	0.01
Pipe_-(456)	19.89	19.89	19.90	0.01	2.07
Pipe_-(460)	47.86	47.86	47.87	0.01	0.01
Pipe_-(461)	20.22	20.22	20.24	17.56	13.86
Pipe_-(462)	19.84	19.84	20.24	0.51	0.01
Pipe_-(47)	0.20	0.20	0.64	0.01	0.01
Pipe_-(49)	0.64	0.64	0.88	0.01	0.01
Pipe_-(5)	0.01	0.01	0.67	0.01	0.01
Pipe_-(50)	0.88	0.88	1.13	0.01	0.01
Pipe_-(51)	0.99	1.13	0.99	2.43	0.99
Pipe_-(52)	0.53	0.58	0.53	1.40	0.53
Pipe_-(53)	0.53	0.53	2.24	0.01	0.01
Pipe_-(6)	0.67	0.67	0.99	0.01	0.01
Pipe_-(7)	0.52	0.52	0.75	0.01	0.01
Pipe_-(8)	0.75	0.75	1.00	0.01	0.01
Pipe_-(81)	0.01	0.01	0.30	0.01	0.01
Pipe_-(9)	1.00	1.00	1.08	0.01	0.01
Pipe_PS_A	0.01	0.01	19.89	0.01	0.01
Pipe_PS_B	1.10	1.13	1.10	1.69	1.10
Pipe468	0.01	0.01	0.01	1.71	0.01
Pipe483	1.85	1.85	22.21	0.01	0.01
PSC_Overflow	0.01	0.01	17.92	0.01	0.01
PSC_to_Outfall	0.01	11.27	0.01	0.01	0.01

\*\*\*\*\*  
Pumping Summary  
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				Min	Avg	Max
Total	Power	% Time Off		Flow	Flow	Flow
Volume	Usage	Percent		CFS	CFS	CFS
Pump	Kw-hr	Pump Curve				
10^6 gal		Low	High	Number of		
		Utilized		Start-Ups		
004Pump1		41.54		1	0.00	1.36
0.268	21.60	0.0	0.0			
77Pump1		14.89		3	0.00	22.28
3.668	504.67	0.0	7.7			
77Pump2		0.00		0	0.00	0.00
0.000	0.00	0.0	0.0			
CPump1		21.47		17	0.00	6.68
1.855	193.53	0.0	0.0			
CPump2		19.10		3	0.00	6.68
1.650	182.50	0.0	0.0			

Analysis begun on: Fri Aug 19 09:28:13 2022  
Analysis ended on: Fri Aug 19 09:29:48 2022  
Total elapsed time: 00:01:35

EPA STORM WATER MANAGEMENT MODEL - VERSION 5.1 (Build 5.1.015)

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WARNING 09: time series interval greater than recording interval for Rain Gage Null

- WARNING 08: elevation drop exceeds length for Conduit 172\_to\_Inlet
- WARNING 04: minimum elevation drop used for Conduit 381\_to\_PS77
- WARNING 08: elevation drop exceeds length for Conduit 458\_to\_Inlet
- WARNING 08: elevation drop exceeds length for Conduit 469\_to\_Inlet
- WARNING 04: minimum elevation drop used for Conduit Culvert11
- WARNING 04: minimum elevation drop used for Conduit Culvert12
- WARNING 04: minimum elevation drop used for Conduit Culvert12a
- WARNING 04: minimum elevation drop used for Conduit Culvert12c
- WARNING 04: minimum elevation drop used for Conduit Ditch13
- WARNING 04: minimum elevation drop used for Conduit Ditch2
- WARNING 04: minimum elevation drop used for Conduit Ditch4\_489
- WARNING 04: minimum elevation drop used for Conduit Ditch6
- WARNING 04: minimum elevation drop used for Conduit Facility73\_to\_Pond
- WARNING 04: minimum elevation drop used for Conduit Pipe\_-(258)
- WARNING 04: minimum elevation drop used for Conduit Pipe\_-(374)
- WARNING 04: minimum elevation drop used for Conduit Pipe\_-(461)
- WARNING 02: maximum depth increased for Node Ditch1\_2
- WARNING 02: maximum depth increased for Node Ditch17\_5\_6
- WARNING 02: maximum depth increased for Node Ditch2\_3
- WARNING 02: maximum depth increased for Node Ditch3\_Out
- WARNING 02: maximum depth increased for Node Ditch4\_In
- WARNING 02: maximum depth increased for Node Ditch6\_7
- WARNING 02: maximum depth increased for Node Ditch7\_8
- WARNING 02: maximum depth increased for Node Structure\_-(489)

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Element Count

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Number of rain gages ..... 1  
 Number of subcatchments ... 14  
 Number of nodes ..... 333  
 Number of links ..... 327  
 Number of pollutants ..... 0  
 Number of land uses ..... 0

\*\*\*\*\*

Raingage Summary

\*\*\*\*\*

Name	Data Source	Data Type	Recording Interval
Null	Null	INTENSITY	60 min.

\*\*\*\*\*

Subcatchment Summary

\*\*\*\*\*

Name	Area	Width	%Imperv	%Slope	Rain Gage
Outlet					
-----					
2.1 Structure602	88.70	1950.00	70.12	0.5000	Null
2.2 Ditch9_Inlet	52.40	1400.00	4.01	0.5000	Null
2.3 Structure_-(395)	9.40	450.00	2.13	0.5000	Null
2.4 Ditch4_In	33.10	1560.00	5.14	0.5000	Null
3 SDCB294	17.20	800.00	39.65	0.5000	Null
5 5_Dummy_Outlet	17.20	850.00	2.91	0.5000	Null
A Ditch4_In	40.50	1950.00	6.42	0.5000	Null
B Ditch2_3	21.40	850.00	1.87	0.5000	Null
C C_Dummy_Outlet	17.30	1200.00	6.94	0.5000	Null
D D_Dummy_Outlet	14.10	1350.00	49.65	0.5000	Null
E E_Dummy_Outlet	10.70	750.00	11.21	0.5000	Null
F F_Dummy_Outlet	12.90	1400.00	6.20	0.5000	Null
G G_Dummy_Outlet	5.60	680.00	3.57	0.5000	Null
H H_Dummy_Outlet	12.70	840.00	3.15	0.5000	Null

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Node Summary

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External Name Inflow	Type	Invert Elev.	Max. Depth	Ponded Area	
-----					
CB19	JUNCTION	6.61	5.52	100.0	Yes
CB22	JUNCTION	6.02	5.00	100.0	Yes
CB30	JUNCTION	7.17	5.00	100.0	Yes
CB31	JUNCTION	7.40	5.00	100.0	Yes
CB33	JUNCTION	7.17	5.00	100.0	Yes
Culvert_Ditch11	JUNCTION	3.34	5.00	100.0	
Culvert_Ditch12	JUNCTION	2.98	5.00	100.0	

Culvert_Ditch12a	JUNCTION	2.39	5.00	100.0	
Culvert_Ditch12b	JUNCTION	2.39	5.00	100.0	
Culvert_Ditch12c	JUNCTION	0.50	5.00	100.0	
Ditch1_2	JUNCTION	1.00	5.50	100.0	
Ditch10_Inlet	JUNCTION	3.80	5.00	100.0	Yes
Ditch11_12	JUNCTION	2.98	5.00	100.0	Yes
Ditch12_18	JUNCTION	0.50	5.00	100.0	Yes
Ditch14_15	JUNCTION	4.12	5.00	100.0	Yes
Ditch15_16	JUNCTION	3.12	5.00	100.0	Yes
Ditch16_17	JUNCTION	2.18	5.00	100.0	Yes
Ditch17_5_6	JUNCTION	1.24	7.00	100.0	Yes
Ditch2_3	JUNCTION	1.00	11.00	100.0	Yes
Ditch3_Out	JUNCTION	1.00	10.00	100.0	
Ditch4_Berm	JUNCTION	4.00	10.00	100.0	
Ditch4_In	JUNCTION	5.00	10.00	100.0	Yes
Ditch4_Out	JUNCTION	3.00	14.00	100.0	
Ditch5_Inlet	JUNCTION	2.25	5.00	100.0	Yes
Ditch6_7	JUNCTION	1.24	7.00	100.0	Yes
Ditch7_8	JUNCTION	-2.32	8.78	100.0	Yes
Ditch9_10_11	JUNCTION	3.34	5.00	100.0	Yes
Ditch9_Inlet	JUNCTION	8.46	5.00	100.0	Yes
Facility77_PS	JUNCTION	8.30	1.67	100.0	
PS004	JUNCTION	-2.00	6.00	100.0	
PSC_Outlet	JUNCTION	11.50	1.67	100.0	
SDCB294	JUNCTION	2.53	6.00	100.0	Yes
SDCB541	JUNCTION	5.31	5.00	100.0	Yes
SDCB543	JUNCTION	7.11	5.75	100.0	Yes
SDCB6003	JUNCTION	2.93	7.65	100.0	Yes
SDCB6005	JUNCTION	5.75	5.00	100.0	Yes
SDMH297	JUNCTION	2.48	6.22	100.0	Yes
SDMH299	JUNCTION	2.50	6.35	100.0	Yes
SDMH301	JUNCTION	2.30	5.00	100.0	Yes
SDMH538	JUNCTION	4.88	5.00	100.0	Yes
SDMH539	JUNCTION	3.53	6.35	100.0	Yes
SDMH540	JUNCTION	3.78	5.75	100.0	Yes
Structure_-_ (1)	JUNCTION	7.42	5.00	100.0	Yes
Structure_-_ (10)	JUNCTION	4.74	9.44	100.0	Yes
Structure_-_ (100)	JUNCTION	10.62	5.00	100.0	Yes
Structure_-_ (101)	JUNCTION	10.67	5.00	100.0	Yes
Structure_-_ (102)	JUNCTION	10.50	5.00	100.0	Yes
Structure_-_ (123)	JUNCTION	7.46	8.18	100.0	Yes
Structure_-_ (124)	JUNCTION	7.70	8.66	100.0	Yes
Structure_-_ (125)	JUNCTION	9.82	5.00	100.0	Yes
Structure_-_ (126)	JUNCTION	10.12	5.00	100.0	Yes
Structure_-_ (128)	JUNCTION	11.13	5.00	100.0	Yes
Structure_-_ (129)	JUNCTION	12.81	5.00	100.0	Yes
Structure_-_ (130)	JUNCTION	10.61	5.00	100.0	Yes
Structure_-_ (131)	JUNCTION	11.13	5.00	100.0	Yes
Structure_-_ (132)	JUNCTION	11.93	5.00	100.0	Yes
Structure_-_ (133)	JUNCTION	10.62	5.00	100.0	Yes
Structure_-_ (134)	JUNCTION	11.30	5.00	100.0	Yes
Structure_-_ (136)	JUNCTION	11.83	5.00	100.0	Yes
Structure_-_ (139)	JUNCTION	4.12	7.40	100.0	Yes

Structure_-(140)	JUNCTION	4.22	7.05	100.0	Yes
Structure_-(141)	JUNCTION	3.60	6.40	100.0	Yes
Structure_-(142)	JUNCTION	5.44	5.00	100.0	Yes
Structure_-(143)	JUNCTION	6.40	6.06	100.0	Yes
Structure_-(144)	JUNCTION	6.76	5.41	100.0	Yes
Structure_-(161)	JUNCTION	6.13	5.00	100.0	Yes
Structure_-(162)	JUNCTION	5.25	5.00	100.0	Yes
Structure_-(163)	JUNCTION	4.62	5.00	100.0	Yes
Structure_-(164)	JUNCTION	4.03	5.00	100.0	Yes
Structure_-(165)	JUNCTION	3.70	5.00	100.0	Yes
Structure_-(166)	JUNCTION	3.35	5.00	100.0	Yes
Structure_-(167)	JUNCTION	2.79	5.00	100.0	Yes
Structure_-(168)	JUNCTION	2.15	5.00	100.0	Yes
Structure_-(169)	JUNCTION	1.58	5.00	100.0	Yes
Structure_-(170)	JUNCTION	1.40	10.49	100.0	Yes
Structure_-(171)	JUNCTION	-1.58	13.71	100.0	Yes
Structure_-(172)	JUNCTION	-3.00	5.00	100.0	Yes
Structure_-(173)	JUNCTION	0.55	10.11	100.0	Yes
Structure_-(174)	JUNCTION	1.10	9.56	100.0	Yes
Structure_-(175)	JUNCTION	1.36	14.78	100.0	Yes
Structure_-(176)	JUNCTION	2.44	12.83	100.0	Yes
Structure_-(177)	JUNCTION	3.34	10.94	100.0	Yes
Structure_-(178)	JUNCTION	4.34	5.00	100.0	Yes
Structure_-(179)	JUNCTION	5.24	5.00	100.0	Yes
Structure_-(180)	JUNCTION	4.59	9.53	100.0	Yes
Structure_-(181)	JUNCTION	6.13	9.00	100.0	Yes
Structure_-(19)	JUNCTION	5.05	9.03	100.0	Yes
Structure_-(2)	JUNCTION	7.31	5.43	100.0	Yes
Structure_-(20)	JUNCTION	5.77	5.00	100.0	Yes
Structure_-(205)	JUNCTION	1.40	7.75	100.0	Yes
Structure_-(206)	JUNCTION	1.58	5.00	100.0	Yes
Structure_-(207)	JUNCTION	2.15	5.00	100.0	Yes
Structure_-(208)	JUNCTION	2.79	5.00	100.0	Yes
Structure_-(209)	JUNCTION	3.35	5.00	100.0	Yes
Structure_-(21)	JUNCTION	6.16	5.00	100.0	Yes
Structure_-(210)	JUNCTION	3.65	5.00	100.0	Yes
Structure_-(211)	JUNCTION	4.03	5.00	100.0	Yes
Structure_-(212)	JUNCTION	4.62	5.00	100.0	Yes
Structure_-(213)	JUNCTION	5.25	5.00	100.0	Yes
Structure_-(214)	JUNCTION	6.13	5.00	100.0	Yes
Structure_-(215)	JUNCTION	0.93	9.12	100.0	Yes
Structure_-(216)	JUNCTION	1.11	5.00	100.0	Yes
Structure_-(217)	JUNCTION	1.91	5.00	100.0	Yes
Structure_-(218)	JUNCTION	2.40	5.00	100.0	Yes
Structure_-(219)	JUNCTION	3.42	5.00	100.0	Yes
Structure_-(220)	JUNCTION	3.91	5.00	100.0	Yes
Structure_-(221)	JUNCTION	4.42	5.00	100.0	Yes
Structure_-(222)	JUNCTION	4.96	5.00	100.0	Yes
Structure_-(223)	JUNCTION	5.46	5.00	100.0	Yes
Structure_-(23)	JUNCTION	14.48	0.25	100.0	
Structure_-(230)	JUNCTION	-0.26	11.22	100.0	Yes
Structure_-(231)	JUNCTION	0.55	9.83	100.0	Yes
Structure_-(232)	JUNCTION	1.36	9.03	100.0	Yes

Structure_-(233)	JUNCTION	1.06	7.30	100.0	Yes
Structure_-(234)	JUNCTION	2.15	6.18	100.0	Yes
Structure_-(235)	JUNCTION	2.79	5.91	100.0	Yes
Structure_-(236)	JUNCTION	3.35	5.25	100.0	Yes
Structure_-(237)	JUNCTION	3.70	5.00	100.0	Yes
Structure_-(238)	JUNCTION	4.03	5.00	100.0	Yes
Structure_-(239)	JUNCTION	4.62	5.00	100.0	
Structure_-(24)	JUNCTION	14.47	5.00	100.0	
Structure_-(240)	JUNCTION	5.34	5.00	100.0	Yes
Structure_-(241)	JUNCTION	6.13	5.00	100.0	Yes
Structure_-(242)	JUNCTION	3.20	5.00	100.0	Yes
Structure_-(243)	JUNCTION	3.76	6.82	100.0	Yes
Structure_-(244)	JUNCTION	4.68	6.60	100.0	Yes
Structure_-(245)	JUNCTION	4.95	6.00	100.0	Yes
Structure_-(246)	JUNCTION	1.38	8.96	100.0	Yes
Structure_-(247)	JUNCTION	1.58	5.00	100.0	Yes
Structure_-(248)	JUNCTION	2.15	5.00	100.0	Yes
Structure_-(249)	JUNCTION	2.79	5.00	100.0	Yes
Structure_-(25)	JUNCTION	14.40	0.50	100.0	
Structure_-(250)	JUNCTION	3.35	5.00	100.0	Yes
Structure_-(251)	JUNCTION	3.70	5.00	100.0	Yes
Structure_-(252)	JUNCTION	4.03	5.00	100.0	Yes
Structure_-(253)	JUNCTION	4.59	5.00	100.0	Yes
Structure_-(254)	JUNCTION	5.25	5.00	100.0	Yes
Structure_-(255)	JUNCTION	6.13	5.00	100.0	Yes
Structure_-(256)	JUNCTION	0.93	9.63	100.0	Yes
Structure_-(257)	JUNCTION	1.11	5.00	100.0	Yes
Structure_-(258)	JUNCTION	1.91	5.00	100.0	Yes
Structure_-(259)	JUNCTION	2.40	5.00	100.0	Yes
Structure_-(26)	JUNCTION	14.08	0.50	100.0	
Structure_-(260)	JUNCTION	3.42	5.00	100.0	Yes
Structure_-(261)	JUNCTION	3.91	5.00	100.0	Yes
Structure_-(262)	JUNCTION	4.42	5.00	100.0	Yes
Structure_-(263)	JUNCTION	4.96	5.00	100.0	Yes
Structure_-(264)	JUNCTION	5.46	5.00	100.0	Yes
Structure_-(265)	JUNCTION	6.13	5.00	100.0	Yes
Structure_-(266)	JUNCTION	6.79	5.99	100.0	Yes
Structure_-(267)	JUNCTION	6.79	5.00	100.0	
Structure_-(268)	JUNCTION	7.28	5.00	100.0	Yes
Structure_-(269)	JUNCTION	7.49	5.00	100.0	Yes
Structure_-(27)	JUNCTION	13.18	0.50	100.0	
Structure_-(270)	JUNCTION	7.42	5.00	100.0	Yes
Structure_-(273)	JUNCTION	11.13	5.00	100.0	Yes
Structure_-(274)	JUNCTION	10.63	5.00	100.0	Yes
Structure_-(275)	JUNCTION	10.45	5.00	100.0	Yes
Structure_-(276)	JUNCTION	9.27	5.00	100.0	Yes
Structure_-(277)	JUNCTION	8.39	5.85	100.0	Yes
Structure_-(278)	JUNCTION	7.66	6.47	100.0	Yes
Structure_-(28)	JUNCTION	13.06	0.50	100.0	
Structure_-(287)	JUNCTION	10.45	5.00	100.0	Yes
Structure_-(288)	JUNCTION	11.23	5.00	100.0	Yes
Structure_-(29)	JUNCTION	12.99	0.50	100.0	
Structure_-(298)	JUNCTION	10.43	5.00	100.0	Yes



Structure_-(3)	JUNCTION	6.95	5.07	100.0	Yes
Structure_-(30)	JUNCTION	12.70	0.50	100.0	
Structure_-(305)	JUNCTION	10.68	5.00	100.0	Yes
Structure_-(306)	JUNCTION	11.73	5.00	100.0	Yes
Structure_-(31)	JUNCTION	11.93	0.50	100.0	
Structure_-(319)	JUNCTION	6.31	5.00	100.0	Yes
Structure_-(32)	JUNCTION	11.54	0.50	100.0	
Structure_-(320)	JUNCTION	6.16	5.00	100.0	Yes
Structure_-(325)	JUNCTION	5.48	5.00	100.0	Yes
Structure_-(326)	JUNCTION	7.45	5.00	100.0	Yes
Structure_-(33)	JUNCTION	11.34	0.50	100.0	
Structure_-(331)	JUNCTION	8.05	5.00	100.0	Yes
Structure_-(332)	JUNCTION	8.05	5.00	100.0	Yes
Structure_-(333)	JUNCTION	6.72	5.00	100.0	Yes
Structure_-(34)	JUNCTION	10.58	0.50	100.0	
Structure_-(341)	JUNCTION	6.44	7.90	100.0	Yes
Structure_-(35)	JUNCTION	9.28	0.50	100.0	
Structure_-(37)	JUNCTION	8.81	6.29	100.0	Yes
Structure_-(370)	JUNCTION	8.23	5.00	100.0	Yes
Structure_-(371)	JUNCTION	8.41	5.00	100.0	Yes
Structure_-(372)	JUNCTION	10.48	5.00	100.0	Yes
Structure_-(373)	JUNCTION	8.15	5.00	100.0	Yes
Structure_-(374)	JUNCTION	8.94	6.40	100.0	Yes
Structure_-(375)	JUNCTION	8.64	6.40	100.0	Yes
Structure_-(376)	JUNCTION	8.40	6.40	100.0	Yes
Structure_-(377)	JUNCTION	8.10	6.82	100.0	Yes
Structure_-(378)	JUNCTION	7.73	6.40	100.0	Yes
Structure_-(379)	JUNCTION	2.31	10.70	100.0	Yes
Structure_-(38)	JUNCTION	8.52	5.00	100.0	Yes
Structure_-(380)	JUNCTION	3.13	8.70	100.0	Yes
Structure_-(381)	JUNCTION	2.95	10.00	100.0	
Structure_-(389)	JUNCTION	11.23	5.00	100.0	Yes
Structure_-(39)	JUNCTION	8.41	7.14	100.0	Yes
Structure_-(390)	JUNCTION	11.23	5.00	100.0	Yes
Structure_-(391)	JUNCTION	10.75	5.00	100.0	Yes
Structure_-(392)	JUNCTION	6.74	8.39	100.0	Yes
Structure_-(393)	JUNCTION	5.80	9.07	100.0	Yes
Structure_-(394)	JUNCTION	4.05	10.98	100.0	Yes
Structure_-(395)	JUNCTION	2.29	10.70	100.0	Yes
Structure_-(396)	JUNCTION	11.62	5.00	100.0	Yes
Structure_-(397)	JUNCTION	8.80	5.00	100.0	Yes
Structure_-(398)	JUNCTION	6.70	5.00	100.0	Yes
Structure_-(399)	JUNCTION	7.38	5.00	100.0	Yes
Structure_-(4)	JUNCTION	6.69	6.17	100.0	Yes
Structure_-(40)	JUNCTION	8.23	6.49	100.0	Yes
Structure_-(400)	JUNCTION	7.90	5.00	100.0	Yes
Structure_-(401)	JUNCTION	9.70	5.00	100.0	Yes
Structure_-(404)	JUNCTION	11.04	5.00	100.0	Yes
Structure_-(405)	JUNCTION	11.84	5.00	100.0	Yes
Structure_-(407)	JUNCTION	8.80	5.00	100.0	Yes
Structure_-(408)	JUNCTION	9.47	5.00	100.0	Yes
Structure_-(41)	JUNCTION	6.04	8.46	100.0	Yes
Structure_-(42)	JUNCTION	6.00	8.33	100.0	Yes

Structure_-(426)	JUNCTION	6.36	5.00	100.0	Yes
Structure_-(427)	JUNCTION	5.22	6.00	100.0	Yes
Structure_-(43)	JUNCTION	5.46	6.72	100.0	Yes
Structure_-(431)	JUNCTION	-5.37	2.50	100.0	
Structure_-(432)	JUNCTION	-5.03	2.50	100.0	
Structure_-(433)	JUNCTION	-4.71	2.50	100.0	
Structure_-(434)	JUNCTION	-3.55	2.50	100.0	
Structure_-(435)	JUNCTION	-3.54	2.50	100.0	
Structure_-(44)	JUNCTION	5.22	9.29	100.0	Yes
Structure_-(446)	JUNCTION	9.97	1.67	100.0	
Structure_-(447)	JUNCTION	9.60	1.50	100.0	
Structure_-(448)	JUNCTION	9.29	1.50	100.0	
Structure_-(449)	JUNCTION	7.30	1.50	100.0	
Structure_-(45)	JUNCTION	5.18	5.00	100.0	Yes
Structure_-(450)	JUNCTION	6.70	1.50	100.0	
Structure_-(451)	JUNCTION	6.50	1.50	100.0	
Structure_-(453)	JUNCTION	3.95	5.00	100.0	
Structure_-(454)	JUNCTION	3.94	5.00	100.0	
Structure_-(455)	JUNCTION	3.93	5.00	100.0	
Structure_-(456)	JUNCTION	3.73	5.00	100.0	
Structure_-(457)	JUNCTION	3.63	5.00	100.0	
Structure_-(458)	JUNCTION	3.40	5.00	100.0	
Structure_-(459)	JUNCTION	6.67	1.67	100.0	
Structure_-(46)	JUNCTION	5.11	5.00	100.0	Yes
Structure_-(460)	JUNCTION	6.63	1.67	100.0	
Structure_-(461)	JUNCTION	6.03	1.67	100.0	
Structure_-(462)	JUNCTION	5.88	1.67	100.0	
Structure_-(463)	JUNCTION	4.13	1.67	100.0	
Structure_-(469)	JUNCTION	3.50	5.00	100.0	Yes
Structure_-(47)	JUNCTION	4.65	8.45	100.0	Yes
Structure_-(470)	JUNCTION	7.10	5.00	100.0	Yes
Structure_-(471)	JUNCTION	7.27	5.00	100.0	Yes
Structure_-(472)	JUNCTION	7.40	5.00	100.0	Yes
Structure_-(473)	JUNCTION	7.49	5.00	100.0	Yes
Structure_-(475)	JUNCTION	3.08	11.58	100.0	Yes
Structure_-(476)	JUNCTION	2.97	11.74	100.0	Yes
Structure_-(477)	JUNCTION	2.65	11.74	100.0	Yes
Structure_-(478)	JUNCTION	2.32	10.85	100.0	
Structure_-(481)	JUNCTION	4.00	5.00	100.0	
Structure_-(482)	JUNCTION	4.05	5.00	100.0	
Structure_-(483)	JUNCTION	4.10	5.00	100.0	
Structure_-(484)	JUNCTION	4.22	5.00	100.0	
Structure_-(485)	JUNCTION	4.25	5.00	100.0	
Structure_-(487)	JUNCTION	2.78	11.62	100.0	Yes
Structure_-(489)	JUNCTION	2.74	11.26	100.0	Yes
Structure_-(490)	JUNCTION	11.23	5.00	100.0	Yes
Structure_-(495)	JUNCTION	10.04	5.00	100.0	
Structure_-(5)	JUNCTION	6.37	7.65	100.0	Yes
Structure_-(50)	JUNCTION	4.20	8.20	100.0	Yes
Structure_-(502)	JUNCTION	8.46	5.00	100.0	Yes
Structure_-(503)	JUNCTION	4.71	9.38	100.0	Yes
Structure_-(51)	JUNCTION	3.94	8.28	100.0	Yes
Structure_-(52)	JUNCTION	3.72	7.10	100.0	Yes

Structure_-(53)	JUNCTION	3.71	8.45	100.0	
Structure_-(54)	JUNCTION	3.93	8.20	100.0	
Structure_-(56)	JUNCTION	9.08	5.00	100.0	Yes
Structure_-(57)	JUNCTION	9.29	5.00	100.0	Yes
Structure_-(58)	JUNCTION	9.39	5.00	100.0	Yes
Structure_-(59)	JUNCTION	9.70	5.00	100.0	Yes
Structure_-(6)	JUNCTION	5.70	5.02	100.0	Yes
Structure_-(60)	JUNCTION	9.82	5.00	100.0	Yes
Structure_-(61)	JUNCTION	9.92	5.00	100.0	Yes
Structure_-(62)	JUNCTION	10.02	5.00	100.0	Yes
Structure_-(63)	JUNCTION	10.27	5.00	100.0	Yes
Structure_-(7)	JUNCTION	5.35	5.78	100.0	Yes
Structure_-(70)	JUNCTION	8.89	5.00	100.0	Yes
Structure_-(71)	JUNCTION	10.00	5.00	100.0	Yes
Structure_-(72)	JUNCTION	10.06	5.00	100.0	Yes
Structure_-(73)	JUNCTION	10.33	5.00	100.0	Yes
Structure_-(74)	JUNCTION	10.57	5.00	100.0	Yes
Structure_-(75)	JUNCTION	10.81	5.00	100.0	Yes
Structure_-(76)	JUNCTION	11.05	5.00	100.0	Yes
Structure_-(77)	JUNCTION	11.29	5.00	100.0	Yes
Structure_-(78)	JUNCTION	11.53	5.00	100.0	Yes
Structure_-(79)	JUNCTION	8.72	5.00	100.0	Yes
Structure_-(8)	JUNCTION	5.10	8.03	100.0	Yes
Structure_-(80)	JUNCTION	9.01	5.00	100.0	Yes
Structure_-(81)	JUNCTION	9.25	5.00	100.0	Yes
Structure_-(82)	JUNCTION	9.49	5.00	100.0	Yes
Structure_-(83)	JUNCTION	9.73	5.37	100.0	Yes
Structure_-(84)	JUNCTION	9.97	5.00	100.0	Yes
Structure_-(85)	JUNCTION	10.21	5.00	100.0	Yes
Structure_-(86)	JUNCTION	7.30	5.00	100.0	Yes
Structure_-(87)	JUNCTION	7.38	5.00	100.0	Yes
Structure_-(88)	JUNCTION	7.56	5.00	100.0	Yes
Structure_-(89)	JUNCTION	7.65	5.00	100.0	Yes
Structure_-(9)	JUNCTION	4.82	8.93	100.0	Yes
Structure_-(90)	JUNCTION	7.79	5.00	100.0	Yes
Structure_-(92)	JUNCTION	8.90	5.00	100.0	Yes
Structure_-(93)	JUNCTION	9.26	5.00	100.0	Yes
Structure_-(94)	JUNCTION	9.43	5.00	100.0	Yes
Structure_-(95)	JUNCTION	9.45	5.00	100.0	Yes
Structure_-(96)	JUNCTION	9.60	5.00	100.0	Yes
Structure_-(97)	JUNCTION	9.95	5.00	100.0	Yes
Structure_-(98)	JUNCTION	10.13	5.00	100.0	Yes
Structure_-(99)	JUNCTION	10.32	5.00	100.0	
Structure520	JUNCTION	4.37	5.00	100.0	Yes
Structure521	JUNCTION	1.73	5.00	100.0	Yes
Structure522	JUNCTION	2.08	5.00	100.0	Yes
Structure587	JUNCTION	2.37	5.00	100.0	Yes
Structure593	JUNCTION	2.35	5.00	100.0	Yes
Structure602	JUNCTION	4.68	5.00	100.0	
5_Dummy_Outlet	OUTFALL	0.00	0.00	0.0	
C_Dummy_Outlet	OUTFALL	0.00	0.00	0.0	
D_Dummy_Outlet	OUTFALL	0.00	0.00	0.0	
E_Dummy_Outlet	OUTFALL	0.00	0.00	0.0	

F_Dummy_Outlet	OUTFALL	0.00	0.00	0.0
G_Dummy_Outlet	OUTFALL	0.00	0.00	0.0
H_Dummy_Outlet	OUTFALL	0.00	0.00	0.0
Outfall_002A	OUTFALL	-14.87	2.50	0.0
Outfall003	OUTFALL	-3.00	6.85	0.0
Facility77_Inlet	STORAGE	-8.05	20.47	0.0
PSC_Sump	STORAGE	0.50	17.13	0.0
RetenionPond	STORAGE	6.50	9.50	0.0

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Link Summary

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Name	From Node	To Node	Type	Length
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172_to_Inlet	Structure_-(172)	Facility77_Inlet	CONDUIT	1.0
505.0000 0.0120				
278_to_PS_B	Structure_-(278)	Structure602	CONDUIT	45.0
6.6422 0.0120				
381_to_PS77	Structure_-(381)	Facility77_Inlet	CONDUIT	1.0
0.1000 0.0120				
458_to_Inlet	Structure_-(458)	Facility77_Inlet	CONDUIT	1.0
-344.9600 0.0140				
469_to_Inlet	Structure_-(469)	Facility77_Inlet	CONDUIT	1.0
505.0000 0.0120				
Culvert11	Ditch9_10_11	Culvert_Ditch11	CONDUIT	40.0
0.0025 0.0240				
Culvert12	Ditch11_12	Culvert_Ditch12	CONDUIT	30.0
0.0033 0.0240				
Culvert12a	Culvert_Ditch12a	Culvert_Ditch12b	CONDUIT	30.0
0.0033 0.0240				
Culvert12c	Culvert_Ditch12c	Ditch12_18	CONDUIT	30.0
0.0033 0.0240				
Ditch_77	Structure587	Structure593	CONDUIT	173.0
0.0116 0.0250				
Ditch10	Ditch10_Inlet	Ditch9_10_11	CONDUIT	250.0
0.1840 0.0250				
Ditch11	Culvert_Ditch11	Ditch11_12	CONDUIT	90.0
0.4000 0.0250				
Ditch12	Culvert_Ditch12b	Culvert_Ditch12c	CONDUIT	260.0
0.7269 0.0250				
Ditch12a	Culvert_Ditch12	Culvert_Ditch12a	CONDUIT	110.0
0.5364 0.0250				
Ditch13	Structure521	Structure522	CONDUIT	170.0
0.0006 0.0250				
Ditch14	Structure_-(242)	Ditch14_15	CONDUIT	330.0
0.3030 0.0250				
Ditch15	Ditch14_15	Ditch15_16	CONDUIT	318.0
0.1761 0.0250				
Ditch16	Ditch15_16	Ditch16_17	CONDUIT	350.0

0.2800	0.0250	Ditch17	Ditch16_17	Ditch17_5_6	CONDUIT	155.0
0.6065	0.0250	Ditch18	Ditch12_18	PS004	CONDUIT	180.0
0.6333	0.0250	Ditch2	Ditch1_2	Ditch2_3	CONDUIT	844.0
0.0001	0.0250	Ditch3	Ditch2_3	Ditch3_Out	CONDUIT	905.0
0.1105	0.0250	Ditch3_4	Ditch3_Out	Ditch4_Out	CONDUIT	127.0
-1.5750	0.0250	Ditch4	Ditch4_In	Ditch4_Berm	CONDUIT	1975.0
0.0506	0.0250	Ditch4_489	Ditch4_Out	Structure_-(489)	CONDUIT	715.0
0.0001	0.0250	Ditch5	Ditch5_Inlet	Ditch17_5_6	CONDUIT	1015.0
0.0995	0.0250	Ditch6	Ditch17_5_6	Ditch6_7	CONDUIT	165.0
0.0006	0.0250	Ditch7	Ditch6_7	Ditch7_8	CONDUIT	525.0
0.1562	0.0250	Ditch8	Ditch7_8	Outfall003	CONDUIT	183.0
0.3716	0.0250	Ditch9	Ditch9_Inlet	Ditch9_10_11	CONDUIT	795.0
0.6440	0.0250	Facility73_to_Pond	Structure_-(451)	RetenionPond	CONDUIT	1.0
0.1000	0.0100	Pipe_-(1)	Structure_-(1)	Structure_-(2)	CONDUIT	56.5
0.1947	0.0120	Pipe_-(10)	Structure_-(10)	Structure_-(503)	CONDUIT	163.2
0.0184	0.0220	Pipe_-(10)_-(1)	Structure_-(503)	Structure602	CONDUIT	25.9
0.1159	0.0220	Pipe_-(117)	Structure_-(123)	Structure_-(52)	CONDUIT	196.2
1.7190	0.0120	Pipe_-(118)	Structure_-(124)	Structure_-(123)	CONDUIT	70.2
0.3420	0.0120	Pipe_-(119)	Structure_-(125)	Structure_-(124)	CONDUIT	234.0
0.9060	0.0120	Pipe_-(120)	Structure_-(126)	Structure_-(125)	CONDUIT	136.0
0.2206	0.0120	Pipe_-(122)	Structure_-(128)	Structure_-(126)	CONDUIT	203.0
0.4975	0.0120	Pipe_-(123)	Structure_-(129)	Structure_-(128)	CONDUIT	212.0
0.7925	0.0120	Pipe_-(124)	Structure_-(130)	Structure_-(123)	CONDUIT	151.3
0.3965	0.0120	Pipe_-(125)	Structure_-(131)	Structure_-(130)	CONDUIT	40.0
1.3001	0.0120	Pipe_-(126)	Structure_-(132)	Structure_-(131)	CONDUIT	46.5
1.7207	0.0120	Pipe_-(127)	Structure_-(133)	Structure_-(125)	CONDUIT	166.0
0.4819	0.0120					

Pipe_-(128)	Structure_-(134)	Structure_-(133)	CONDUIT	119.0
0.7815	0.0120			
Pipe_-(130)	Structure_-(136)	Structure_-(133)	CONDUIT	94.3
2.2159	0.0120			
Pipe_-(133)	Structure_-(139)	Structure_-(53)	CONDUIT	9.5
1.6802	0.0120			
Pipe_-(134)	Structure_-(140)	Structure_-(139)	CONDUIT	48.5
0.2062	0.0120			
Pipe_-(135)	Structure_-(141)	Structure_-(140)	CONDUIT	38.7
0.2069	0.0120			
Pipe_-(136)	Structure_-(142)	Structure_-(141)	CONDUIT	33.0
3.4645	0.0120			
Pipe_-(137)	Structure_-(143)	Structure_-(142)	CONDUIT	32.0
2.9942	0.0120			
Pipe_-(138)	Structure_-(144)	Structure_-(143)	CONDUIT	12.0
3.0005	0.0120			
Pipe_-(153)	Structure_-(161)	Structure_-(162)	CONDUIT	160.0
0.8000	0.0120			
Pipe_-(154)	Structure_-(162)	Structure_-(163)	CONDUIT	125.0
0.8240	0.0120			
Pipe_-(155)	Structure_-(163)	Structure_-(164)	CONDUIT	177.0
0.5028	0.0120			
Pipe_-(156)	Structure_-(164)	Structure_-(165)	CONDUIT	144.0
0.3333	0.0120			
Pipe_-(157)	Structure_-(165)	Structure_-(166)	CONDUIT	126.0
0.3968	0.0120			
Pipe_-(158)	Structure_-(166)	Structure_-(167)	CONDUIT	203.0
0.3498	0.0120			
Pipe_-(159)	Structure_-(167)	Structure_-(168)	CONDUIT	127.0
0.7402	0.0120			
Pipe_-(160)	Structure_-(168)	Structure_-(169)	CONDUIT	186.0
0.1989	0.0120			
Pipe_-(161)	Structure_-(169)	Structure_-(170)	CONDUIT	94.0
0.1915	0.0120			
Pipe_-(162)	Structure_-(170)	Structure_-(171)	CONDUIT	13.1
7.9514	0.0120			
Pipe_-(163)	Structure_-(171)	Structure_-(172)	CONDUIT	174.5
0.8151	0.0120			
Pipe_-(164)	Structure_-(173)	Structure_-(171)	CONDUIT	120.9
3.2200	0.0120			
Pipe_-(165)	Structure_-(174)	Structure_-(173)	CONDUIT	122.7
0.6440	0.0120			
Pipe_-(166)	Structure_-(175)	Structure_-(174)	CONDUIT	101.0
0.2575	0.0120			
Pipe_-(167)	Structure_-(176)	Structure_-(175)	CONDUIT	132.0
0.8182	0.0120			
Pipe_-(168)	Structure_-(177)	Structure_-(176)	CONDUIT	250.0
0.4000	0.0120			
Pipe_-(169)	Structure_-(178)	Structure_-(177)	CONDUIT	248.0
0.4426	0.0120			
Pipe_-(170)	Structure_-(179)	Structure_-(178)	CONDUIT	225.0
0.4444	0.0120			
Pipe_-(171)	Structure_-(180)	Structure_-(179)	CONDUIT	240.0

0.1010	0.0120	Pipe_-(172)	Structure_-(181)	Structure_-(180)	CONDUIT	260.0
0.6308	0.0120	Pipe_-(18)	Structure_-(19)	Structure_-(10)	CONDUIT	139.0
0.2248	0.0120	Pipe_-(19)	Structure_-(20)	Structure_-(8)	CONDUIT	335.3
0.1998	0.0120	Pipe_-(196)	Structure_-(205)	Structure_-(174)	CONDUIT	15.0
3.7359	0.0120	Pipe_-(197)	Structure_-(206)	Structure_-(205)	CONDUIT	92.0
0.1957	0.0120	Pipe_-(198)	Structure_-(207)	Structure_-(206)	CONDUIT	186.0
0.4140	0.0120	Pipe_-(199)	Structure_-(208)	Structure_-(207)	CONDUIT	127.0
0.7402	0.0120	Pipe_-(2)	Structure_-(2)	Structure_-(3)	CONDUIT	179.1
0.2011	0.0120	Pipe_-(20)	Structure_-(21)	Structure_-(20)	CONDUIT	196.6
0.1984	0.0120	Pipe_-(200)	Structure_-(209)	Structure_-(208)	CONDUIT	203.0
0.3498	0.0120	Pipe_-(201)	Structure_-(210)	Structure_-(209)	CONDUIT	126.0
0.3571	0.0120	Pipe_-(202)	Structure_-(211)	Structure_-(210)	CONDUIT	144.0
0.3681	0.0120	Pipe_-(203)	Structure_-(212)	Structure_-(211)	CONDUIT	177.0
0.5028	0.0120	Pipe_-(204)	Structure_-(213)	Structure_-(212)	CONDUIT	125.0
0.8240	0.0120	Pipe_-(205)	Structure_-(214)	Structure_-(213)	CONDUIT	160.0
0.8000	0.0120	Pipe_-(206)	Structure_-(215)	Structure_-(173)	CONDUIT	13.0
5.5484	0.0120	Pipe_-(207)	Structure_-(216)	Structure_-(215)	CONDUIT	94.0
0.1915	0.0120	Pipe_-(208)	Structure_-(217)	Structure_-(216)	CONDUIT	186.0
0.5645	0.0120	Pipe_-(209)	Structure_-(218)	Structure_-(217)	CONDUIT	127.0
0.5039	0.0120	Pipe_-(210)	Structure_-(219)	Structure_-(218)	CONDUIT	203.0
0.6256	0.0120	Pipe_-(211)	Structure_-(220)	Structure_-(219)	CONDUIT	126.0
0.5079	0.0120	Pipe_-(212)	Structure_-(221)	Structure_-(220)	CONDUIT	144.0
0.4583	0.0120	Pipe_-(213)	Structure_-(222)	Structure_-(221)	CONDUIT	177.0
0.4181	0.0120	Pipe_-(214)	Structure_-(223)	Structure_-(222)	CONDUIT	125.0
0.5200	0.0120	Pipe_-(215)	Structure520	Structure_-(223)	CONDUIT	161.7
0.4994	0.0120	Pipe_-(22)	Structure_-(23)	Structure_-(24)	CONDUIT	4.4
0.2279	0.0100					

Pipe_-(221)	Structure_-(230)	Structure_-(171)	CONDUIT	124.5
1.8642	0.0120			
Pipe_-(222)	Structure_-(231)	Structure_-(230)	CONDUIT	122.7
1.0661	0.0100			
Pipe_-(223)	Structure_-(232)	Structure_-(231)	CONDUIT	124.1
1.0558	0.0120			
Pipe_-(224)	Structure_-(233)	Structure_-(232)	CONDUIT	108.3
0.6002	0.0120			
Pipe_-(225)	Structure_-(234)	Structure_-(233)	CONDUIT	184.8
0.6995	0.0120			
Pipe_-(226)	Structure_-(235)	Structure_-(234)	CONDUIT	127.0
0.7402	0.0120			
Pipe_-(227)	Structure_-(236)	Structure_-(235)	CONDUIT	203.0
0.3498	0.0120			
Pipe_-(228)	Structure_-(237)	Structure_-(236)	CONDUIT	120.0
0.4167	0.0120			
Pipe_-(229)	Structure_-(238)	Structure_-(237)	CONDUIT	150.0
0.3200	0.0120			
Pipe_-(23)	Structure_-(24)	Structure_-(25)	CONDUIT	34.4
0.2036	0.0100			
Pipe_-(230)	Structure_-(239)	Structure_-(238)	CONDUIT	177.0
0.5028	0.0120			
Pipe_-(231)	Structure_-(240)	Structure_-(239)	CONDUIT	125.0
0.8960	0.0120			
Pipe_-(232)	Structure_-(241)	Structure_-(240)	CONDUIT	160.0
0.7438	0.0120			
Pipe_-(234)	Structure_-(243)	Structure_-(242)	CONDUIT	124.0
0.4759	0.0120			
Pipe_-(235)	Structure_-(244)	Structure_-(243)	CONDUIT	98.1
1.0605	0.0120			
Pipe_-(236)	Structure_-(245)	Structure_-(244)	CONDUIT	97.7
0.2763	0.0120			
Pipe_-(237)	Structure_-(246)	Structure_-(231)	CONDUIT	13.0
12.7170	0.0120			
Pipe_-(238)	Structure_-(247)	Structure_-(246)	CONDUIT	94.0
0.2153	0.0120			
Pipe_-(239)	Structure_-(248)	Structure_-(247)	CONDUIT	186.0
0.4140	0.0120			
Pipe_-(24)	Structure_-(25)	Structure_-(26)	CONDUIT	158.8
0.2016	0.0100			
Pipe_-(240)	Structure_-(249)	Structure_-(248)	CONDUIT	127.0
0.7402	0.0120			
Pipe_-(241)	Structure_-(250)	Structure_-(249)	CONDUIT	203.0
0.3498	0.0120			
Pipe_-(242)	Structure_-(251)	Structure_-(250)	CONDUIT	126.0
0.3968	0.0120			
Pipe_-(243)	Structure_-(252)	Structure_-(251)	CONDUIT	144.0
0.3333	0.0120			
Pipe_-(244)	Structure_-(253)	Structure_-(252)	CONDUIT	177.0
0.4859	0.0120			
Pipe_-(245)	Structure_-(254)	Structure_-(253)	CONDUIT	125.0
0.8480	0.0120			
Pipe_-(246)	Structure_-(255)	Structure_-(254)	CONDUIT	160.0



0.8000	0.0120				
Pipe_-(247)		Structure_-(256)	Structure_-(230)	CONDUIT	13.0
18.2989	0.0120				
Pipe_-(248)		Structure_-(257)	Structure_-(256)	CONDUIT	94.0
0.1915	0.0120				
Pipe_-(249)		Structure_-(258)	Structure_-(257)	CONDUIT	186.0
0.5645	0.0120				
Pipe_-(25)		Structure_-(26)	Structure_-(27)	CONDUIT	449.4
0.2003	0.0100				
Pipe_-(250)		Structure_-(259)	Structure_-(258)	CONDUIT	127.0
0.5039	0.0120				
Pipe_-(251)		Structure_-(260)	Structure_-(259)	CONDUIT	203.0
0.6256	0.0120				
Pipe_-(252)		Structure_-(261)	Structure_-(260)	CONDUIT	126.0
0.5079	0.0120				
Pipe_-(253)		Structure_-(262)	Structure_-(261)	CONDUIT	144.0
0.4583	0.0120				
Pipe_-(254)		Structure_-(263)	Structure_-(262)	CONDUIT	177.0
0.4181	0.0120				
Pipe_-(255)		Structure_-(264)	Structure_-(263)	CONDUIT	125.0
0.5200	0.0120				
Pipe_-(256)		Structure_-(265)	Structure_-(264)	CONDUIT	160.0
0.5750	0.0120				
Pipe_-(257)		Structure_-(266)	Structure_-(265)	CONDUIT	130.4
0.5062	0.0120				
Pipe_-(258)		Structure_-(267)	Structure_-(266)	CONDUIT	24.6
0.0041	0.0120				
Pipe_-(259)		Structure_-(268)	Structure_-(267)	CONDUIT	101.0
0.4754	0.0120				
Pipe_-(26)		Structure_-(27)	Structure_-(28)	CONDUIT	58.2
0.2061	0.0100				
Pipe_-(260)		Structure_-(269)	Structure_-(268)	CONDUIT	41.9
0.5256	0.0100				
Pipe_-(261)		Structure_-(270)	Structure_-(267)	CONDUIT	135.0
0.4666	0.0120				
Pipe_-(264)		Structure_-(273)	Structure_-(274)	CONDUIT	172.7
0.1450	0.0120				
Pipe_-(265)		Structure_-(274)	Structure_-(275)	CONDUIT	102.1
0.1759	0.0120				
Pipe_-(266)		Structure_-(275)	Structure_-(276)	CONDUIT	121.8
0.3940	0.0120				
Pipe_-(267)		Structure_-(276)	Structure_-(277)	CONDUIT	159.0
0.3962	0.0120				
Pipe_-(268)		Structure_-(277)	Structure_-(278)	CONDUIT	127.9
0.5550	0.0120				
Pipe_-(27)		Structure_-(28)	Structure_-(29)	CONDUIT	35.7
0.1958	0.0100				
Pipe_-(277)		Structure_-(287)	Structure_-(277)	CONDUIT	134.5
2.7665	0.0120				
Pipe_-(278)		Structure_-(288)	Structure_-(287)	CONDUIT	122.3
0.8424	0.0120				
Pipe_-(28)		Structure_-(29)	Structure_-(30)	CONDUIT	143.4
0.2022	0.0100				

Pipe_-(285)	Structure_-(490)	Structure_-(287)	CONDUIT	143.8
0.7163	0.0120			
Pipe_-(288)	Structure_-(298)	Structure_-(276)	CONDUIT	241.1
0.6884	0.0120			
Pipe_-(29)	Structure_-(30)	Structure_-(31)	CONDUIT	387.2
0.1988	0.0100			
Pipe_-(295)	Structure_-(305)	Structure_-(277)	CONDUIT	54.0
7.4465	0.0120			
Pipe_-(296)	Structure_-(306)	Structure_-(305)	CONDUIT	153.1
0.6861	0.0120			
Pipe_-(3)	Structure_-(3)	Structure_-(4)	CONDUIT	130.0
0.2000	0.0120			
Pipe_-(30)	Structure_-(31)	Structure_-(32)	CONDUIT	197.5
0.1975	0.0100			
Pipe_-(307)	CB19	Structure_-(319)	CONDUIT	171.0
0.1755	0.0120			
Pipe_-(308)	Structure_-(319)	Structure_-(320)	CONDUIT	90.0
0.1667	0.0120			
Pipe_-(309)	Structure_-(320)	CB22	CONDUIT	88.1
0.1590	0.0120			
Pipe_-(31)	Structure_-(32)	Structure_-(33)	CONDUIT	99.5
0.2010	0.0100			
Pipe_-(310)	CB22	SDMH539	CONDUIT	153.2
1.0722	0.0120			
Pipe_-(311)	SDMH539	SDCB6003	CONDUIT	236.8
0.5913	0.0120			
Pipe_-(312)	SDCB6003	SDMH297	CONDUIT	178.1
0.2527	0.0120			
Pipe_-(313)	Structure_-(325)	Structure_-(319)	CONDUIT	155.6
0.0434	0.0120			
Pipe_-(314)	Structure_-(326)	Structure_-(325)	CONDUIT	112.8
1.0397	0.0120			
Pipe_-(319)	Structure_-(331)	Structure_-(319)	CONDUIT	70.0
3.6596	0.0100			
Pipe_-(32)	Structure_-(33)	Structure_-(34)	CONDUIT	379.9
0.2001	0.0100			
Pipe_-(320)	Structure_-(332)	Structure_-(320)	CONDUIT	60.0
4.7721	0.0100			
Pipe_-(321)	Structure_-(333)	CB22	CONDUIT	42.0
3.3352	0.0120			
Pipe_-(322)	CB30	Structure_-(333)	CONDUIT	89.0
0.5056	0.0120			
Pipe_-(323)	CB31	CB30	CONDUIT	185.0
0.1243	0.0120			
Pipe_-(327)	SDCB541	CB22	CONDUIT	38.0
0.2306	0.0120			
Pipe_-(328)	SDCB543	SDCB541	CONDUIT	143.6
0.6615	0.0120			
Pipe_-(329)	Structure_-(341)	SDCB543	CONDUIT	100.2
1.3780	0.0120			
Pipe_-(33)	Structure_-(34)	Structure_-(35)	CONDUIT	649.8
0.2001	0.0100			
Pipe_-(331)	SDMH538	SDMH539	CONDUIT	41.1

2.1925	0.0120				
Pipe_-(333)		SDMH540	SDMH539	CONDUIT	44.2
0.0906	0.0100				
Pipe_-(334)		CB33	SDMH540	CONDUIT	83.8
3.0348	0.0100				
Pipe_-(337)		SDMH299	SDMH297	CONDUIT	30.6
0.0654	0.0220				
Pipe_-(338)		Structure522	SDMH299	CONDUIT	222.9
0.0774	0.0220				
Pipe_-(34)		Structure_-(35)	Structure_-(56)	CONDUIT	98.9
0.2023	0.0100				
Pipe_-(340)		SDCB6005	SDCB6003	CONDUIT	185.6
3.1111	0.0100				
Pipe_-(35)		Structure_-(56)	Structure_-(37)	CONDUIT	137.2
0.1967	0.0120				
Pipe_-(358)		Structure_-(371)	Structure_-(370)	CONDUIT	36.6
0.4855	0.0100				
Pipe_-(359)		Structure_-(372)	Structure_-(371)	CONDUIT	689.8
0.3001	0.0100				
Pipe_-(36)		Structure_-(37)	Structure_-(38)	CONDUIT	146.8
0.1976	0.0120				
Pipe_-(360)		Structure_-(370)	Structure_-(373)	CONDUIT	34.4
0.2395	0.0100				
Pipe_-(361)		Structure_-(374)	Structure_-(375)	CONDUIT	42.5
0.6940	0.0100				
Pipe_-(362)		Structure_-(375)	Structure_-(376)	CONDUIT	27.3
0.8805	0.0100				
Pipe_-(363)		Structure_-(376)	Structure_-(377)	CONDUIT	46.1
0.6508	0.0100				
Pipe_-(364)		Structure_-(377)	Structure_-(378)	CONDUIT	69.7
0.5312	0.0100				
Pipe_-(365)		Structure_-(378)	Structure_-(379)	CONDUIT	62.4
6.6209	0.0100				
Pipe_-(366)		Structure_-(379)	Structure_-(380)	CONDUIT	115.7
-0.6657	0.0120				
Pipe_-(367)		Structure_-(380)	Structure_-(381)	CONDUIT	75.7
0.2377	0.0120				
Pipe_-(369)		Structure_-(502)	Structure_-(379)	CONDUIT	25.0
15.5846	0.0100				
Pipe_-(37)		Structure_-(38)	Structure_-(39)	CONDUIT	56.8
0.1937	0.0120				
Pipe_-(370)		Structure_-(478)	Structure_-(379)	CONDUIT	133.0
0.0075	0.0120				
Pipe_-(374)		Structure_-(389)	Structure_-(390)	CONDUIT	139.2
0.0007	0.0220				
Pipe_-(375)		Structure_-(390)	Structure_-(391)	CONDUIT	166.0
0.2892	0.0220				
Pipe_-(376)		Structure_-(396)	Structure_-(391)	CONDUIT	90.0
0.9667	0.0220				
Pipe_-(377)		Structure_-(392)	Structure_-(393)	CONDUIT	116.8
0.8052	0.0120				
Pipe_-(378)		Structure_-(393)	Structure_-(394)	CONDUIT	88.4
2.2076	0.0120				

Pipe_-(379)	Structure_-(394)	Structure_-(395)	CONDUIT	79.8
2.2051	0.0120			
Pipe_-(38)	Structure_-(39)	Structure_-(40)	CONDUIT	89.7
0.1981	0.0120			
Pipe_-(380)	Structure_-(391)	Structure_-(392)	CONDUIT	63.5
6.3263	0.0220			
Pipe_-(381)	Structure_-(397)	Structure_-(393)	CONDUIT	15.5
8.4382	0.0100			
Pipe_-(382)	Structure_-(398)	Structure_-(393)	CONDUIT	53.2
1.6905	0.0100			
Pipe_-(383)	Structure_-(399)	Structure_-(398)	CONDUIT	40.0
1.7002	0.0100			
Pipe_-(384)	Structure_-(400)	Structure_-(393)	CONDUIT	79.0
1.1395	0.0100			
Pipe_-(385)	Structure_-(401)	Structure_-(400)	CONDUIT	109.0
1.1923	0.0100			
Pipe_-(386)	Structure_-(404)	Structure_-(401)	CONDUIT	67.7
1.6840	0.0100			
Pipe_-(387)	Structure_-(405)	Structure_-(404)	CONDUIT	40.0
2.0004	0.0100			
Pipe_-(389)	Structure_-(407)	Structure_-(394)	CONDUIT	17.5
16.2439	0.0100			
Pipe_-(39)	Structure_-(40)	Structure_-(41)	CONDUIT	115.8
1.8909	0.0120			
Pipe_-(390)	Structure_-(96)	Structure_-(408)	CONDUIT	43.9
0.2909	0.0120			
Pipe_-(4)	Structure_-(4)	Structure_-(5)	CONDUIT	160.9
0.1989	0.0120			
Pipe_-(40)	Structure_-(41)	Structure_-(42)	CONDUIT	40.0
0.0999	0.0120			
Pipe_-(404)	Structure_-(426)	Structure593	CONDUIT	104.4
3.8451	0.0120			
Pipe_-(405)	Structure_-(427)	Structure_-(426)	CONDUIT	62.6
0.4152	0.0120			
Pipe_-(408)	Structure_-(431)	Outfall_002A	CONDUIT	950.0
1.0001	0.0100			
Pipe_-(409)	Structure_-(432)	Structure_-(431)	CONDUIT	68.3
0.4978	0.0100			
Pipe_-(41)	Structure_-(42)	Structure_-(43)	CONDUIT	199.0
0.2726	0.0120			
Pipe_-(410)	Structure_-(433)	Structure_-(432)	CONDUIT	62.9
0.5084	0.0100			
Pipe_-(411)	Structure_-(434)	Structure_-(433)	CONDUIT	230.9
0.5024	0.0100			
Pipe_-(412)	Structure_-(435)	Structure_-(434)	CONDUIT	2.7
0.3663	0.0100			
Pipe_-(42)	Structure_-(43)	Structure_-(44)	CONDUIT	122.0
0.1967	0.0120			
Pipe_-(423)	Structure_-(446)	Structure_-(447)	CONDUIT	73.6
0.5030	0.0100			
Pipe_-(424)	Structure_-(447)	Structure_-(448)	CONDUIT	63.1
0.4916	0.0100			
Pipe_-(425)	Structure_-(448)	Structure_-(449)	CONDUIT	396.9

0.5014	0.0100				
Pipe_-(426)		Structure_-(449)	Structure_-(450)	CONDUIT	119.9
0.5003	0.0100				
Pipe_-(427)		Structure_-(450)	Structure_-(451)	CONDUIT	41.3
0.4839	0.0100				
Pipe_-(429)		Structure_-(453)	Structure_-(454)	CONDUIT	11.8
0.0424	0.0100				
Pipe_-(43)		Structure_-(44)	Structure_-(45)	CONDUIT	19.0
0.2105	0.0120				
Pipe_-(430)		Structure_-(454)	Structure_-(455)	CONDUIT	27.1
0.0479	0.0100				
Pipe_-(431)		Structure_-(455)	Structure_-(456)	CONDUIT	161.9
0.1236	0.0100				
Pipe_-(432)		Structure_-(456)	Structure_-(457)	CONDUIT	40.0
0.2548	0.0140				
Pipe_-(433)		Structure_-(457)	Structure_-(458)	CONDUIT	167.8
0.1375	0.0140				
Pipe_-(434)		Facility77_PS	Structure_-(459)	CONDUIT	325.4
0.5010	0.0140				
Pipe_-(435)		Structure_-(459)	Structure_-(460)	CONDUIT	8.3
0.4844	0.0140				
Pipe_-(436)		Structure_-(460)	Structure_-(461)	CONDUIT	100.1
0.5992	0.0140				
Pipe_-(437)		Structure_-(461)	Structure_-(462)	CONDUIT	31.1
0.4828	0.0140				
Pipe_-(438)		Structure_-(462)	Structure_-(463)	CONDUIT	349.4
0.5009	0.0140				
Pipe_-(439)		Structure_-(463)	Structure_-(446)	CONDUIT	7.0
-154.9749	0.0140				
Pipe_-(44)		Structure_-(45)	Structure_-(46)	CONDUIT	34.0
0.2059	0.0120				
Pipe_-(443)		Structure_-(470)	Structure_-(469)	CONDUIT	101.0
3.5720	0.0120				
Pipe_-(444)		Structure_-(471)	Structure_-(470)	CONDUIT	38.1
0.4466	0.0120				
Pipe_-(445)		Structure_-(472)	Structure_-(471)	CONDUIT	26.9
0.4826	0.0120				
Pipe_-(446)		Structure_-(473)	Structure_-(472)	CONDUIT	17.0
0.5153	0.0120				
Pipe_-(447)		Structure_-(475)	Structure_-(476)	CONDUIT	23.2
0.4732	0.0100				
Pipe_-(448)		Structure_-(476)	Structure_-(477)	CONDUIT	64.1
0.4993	0.0100				
Pipe_-(449)		Structure_-(477)	Structure_-(478)	CONDUIT	65.6
0.5027	0.0100				
Pipe_-(45)		Structure_-(46)	Structure_-(47)	CONDUIT	102.3
0.4498	0.0240				
Pipe_-(450)		Structure593	Structure_-(478)	CONDUIT	68.2
0.0440	0.0120				
Pipe_-(452)		Structure_-(481)	Structure_-(453)	CONDUIT	1398.0
0.0036	0.0100				
Pipe_-(453)		Structure_-(482)	Structure_-(481)	CONDUIT	89.7
0.0558	0.0100				

Pipe_-(454)	Structure_-(483)	Structure_-(482)	CONDUIT	107.6
0.0465	0.0100			
Pipe_-(455)	Structure_-(484)	Structure_-(483)	CONDUIT	26.5
0.4524	0.0100			
Pipe_-(456)	Structure_-(485)	Structure_-(484)	CONDUIT	20.4
0.1473	0.0100			
Pipe_-(460)	Structure_-(487)	Structure_-(477)	CONDUIT	26.7
0.4866	0.0100			
Pipe_-(461)	Structure_-(395)	Structure587	CONDUIT	54.5
0.0018	0.0240			
Pipe_-(462)	Structure_-(489)	Structure_-(395)	CONDUIT	49.0
0.9193	0.0240			
Pipe_-(467)	SDMH297	SDMH301	CONDUIT	257.0
0.0700	0.0120			
Pipe_-(47)	Structure_-(47)	Structure_-(50)	CONDUIT	73.5
0.6123	0.0220			
Pipe_-(474)	Structure_-(98)	Structure_-(495)	CONDUIT	29.9
0.3010	0.0120			
Pipe_-(49)	Structure_-(50)	Structure_-(51)	CONDUIT	84.8
0.3065	0.0220			
Pipe_-(5)	Structure_-(5)	Structure_-(6)	CONDUIT	336.7
0.1990	0.0120			
Pipe_-(50)	Structure_-(51)	Structure_-(52)	CONDUIT	103.2
0.2132	0.0220			
Pipe_-(51)	Structure_-(52)	Structure_-(53)	CONDUIT	143.4
0.0070	0.0220			
Pipe_-(52)	Structure_-(53)	Structure_-(54)	CONDUIT	210.5
0.0131	0.0120			
Pipe_-(53)	Structure_-(54)	Facility77_Inlet	CONDUIT	122.3
0.3126	0.0220			
Pipe_-(54)	Structure_-(57)	Structure_-(56)	CONDUIT	105.3
0.1995	0.0120			
Pipe_-(55)	Structure_-(58)	Structure_-(57)	CONDUIT	51.9
0.1927	0.0120			
Pipe_-(56)	Structure_-(59)	Structure_-(58)	CONDUIT	154.5
0.2006	0.0120			
Pipe_-(57)	Structure_-(60)	Structure_-(59)	CONDUIT	60.0
0.2000	0.0120			
Pipe_-(58)	Structure_-(61)	Structure_-(60)	CONDUIT	48.0
0.2083	0.0120			
Pipe_-(59)	Structure_-(62)	Structure_-(61)	CONDUIT	50.4
0.1983	0.0120			
Pipe_-(6)	Structure_-(6)	Structure_-(7)	CONDUIT	172.8
0.2012	0.0120			
Pipe_-(60)	Structure_-(63)	Structure_-(62)	CONDUIT	125.3
0.1995	0.0120			
Pipe_-(65)	Structure_-(70)	Structure_-(37)	CONDUIT	40.0
0.1999	0.0120			
Pipe_-(66)	Structure_-(71)	Structure_-(70)	CONDUIT	54.1
2.0504	0.0120			
Pipe_-(67)	Structure_-(72)	Structure_-(71)	CONDUIT	30.2
0.1988	0.0120			
Pipe_-(68)	Structure_-(73)	Structure_-(72)	CONDUIT	134.3

0.2011	0.0120	Pipe_-(69)	Structure_-(74)	Structure_-(73)	CONDUIT	120.0
0.2000	0.0120	Pipe_-(7)	Structure_-(7)	Structure_-(8)	CONDUIT	122.8
0.2056	0.0140	Pipe_-(70)	Structure_-(75)	Structure_-(74)	CONDUIT	120.0
0.2000	0.0120	Pipe_-(71)	Structure_-(76)	Structure_-(75)	CONDUIT	120.0
0.2000	0.0120	Pipe_-(72)	Structure_-(77)	Structure_-(76)	CONDUIT	120.0
0.2000	0.0120	Pipe_-(73)	Structure_-(78)	Structure_-(77)	CONDUIT	120.0
0.2000	0.0120	Pipe_-(74)	Structure_-(79)	Structure_-(38)	CONDUIT	104.5
0.1913	0.0120	Pipe_-(75)	Structure_-(80)	Structure_-(79)	CONDUIT	143.3
0.2024	0.0120	Pipe_-(76)	Structure_-(81)	Structure_-(80)	CONDUIT	120.0
0.2000	0.0120	Pipe_-(77)	Structure_-(82)	Structure_-(81)	CONDUIT	120.0
0.2000	0.0120	Pipe_-(78)	Structure_-(83)	Structure_-(82)	CONDUIT	120.0
0.2000	0.0120	Pipe_-(79)	Structure_-(84)	Structure_-(83)	CONDUIT	120.0
0.2000	0.0120	Pipe_-(8)	Structure_-(8)	Structure_-(9)	CONDUIT	138.0
0.2029	0.0140	Pipe_-(80)	Structure_-(85)	Structure_-(84)	CONDUIT	120.0
0.2000	0.0120	Pipe_-(81)	Structure_-(86)	Structure_-(42)	CONDUIT	73.5
3.1325	0.0120	Pipe_-(82)	Structure_-(87)	Structure_-(86)	CONDUIT	22.4
0.3571	0.0120	Pipe_-(83)	Structure_-(88)	Structure_-(87)	CONDUIT	47.0
0.3830	0.0120	Pipe_-(84)	Structure_-(89)	Structure_-(88)	CONDUIT	27.4
0.3283	0.0120	Pipe_-(85)	Structure_-(90)	Structure_-(89)	CONDUIT	102.0
0.1349	0.0120	Pipe_-(87)	Structure_-(92)	Structure_-(90)	CONDUIT	49.7
2.2385	0.0120	Pipe_-(88)	Structure_-(93)	Structure_-(92)	CONDUIT	74.6
0.4824	0.0120	Pipe_-(89)	Structure_-(94)	Structure_-(93)	CONDUIT	42.4
0.4011	0.0120	Pipe_-(9)	Structure_-(9)	Structure_-(10)	CONDUIT	265.4
0.0301	0.0140	Pipe_-(90)	Structure_-(95)	Structure_-(94)	CONDUIT	16.9
0.1040	0.0120	Pipe_-(91)	Structure_-(408)	Structure_-(95)	CONDUIT	30.5
0.0735	0.0120	Pipe_-(92)	Structure_-(97)	Structure_-(96)	CONDUIT	118.4
0.2957	0.0120					

Pipe_-(93)	Structure_-(495)	Structure_-(97)	CONDUIT	29.5
0.3049	0.0120			
Pipe_-(94)	Structure_-(99)	Structure_-(98)	CONDUIT	63.1
0.3013	0.0120			
Pipe_-(95)	Structure_-(100)	Structure_-(99)	CONDUIT	98.8
0.3036	0.0120			
Pipe_-(96)	Structure_-(101)	Structure_-(100)	CONDUIT	16.8
0.2977	0.0120			
Pipe_-(97)	Structure_-(102)	Structure_-(99)	CONDUIT	59.7
0.3017	0.0120			
Pipe_PS_A	Structure_-(373)	Structure_-(485)	CONDUIT	10.0
42.3538	0.0100			
Pipe_PS_B	Structure602	Structure_-(47)	CONDUIT	280.0
0.0107	0.0140			
Pipe468	SDMH301	Ditch5_Inlet	CONDUIT	77.0
0.0649	0.0120			
Pipe483	SDCB294	Structure521	CONDUIT	80.1
0.9983	0.0120			
PSC_Overflow	PSC_Sump	Structure_-(489)	CONDUIT	142.0
6.5350	0.0220			
PSC_to_Outfall	PSC_Outlet	Structure_-(435)	CONDUIT	600.0
2.5075	0.0100			
004Pump1	PS004	Structure_-(23)	TYPE3 PUMP	
77Pump1	Facility77_Inlet	Facility77_PS	TYPE3 PUMP	
77Pump2	Facility77_Inlet	Facility77_PS	TYPE3 PUMP	
CPump1	PSC_Sump	PSC_Outlet	TYPE4 PUMP	
CPump2	PSC_Sump	PSC_Outlet	TYPE4 PUMP	
Ditch4_Connection	Ditch4_Berm	Ditch4_Out	WEIR	
PondOutlet	RetenionPond	PSC_Sump	OUTLET	

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Cross Section Summary

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of	Full		Full	Full	Hyd.	Max.	No.
Barrels	Conduit	Shape	Depth	Area	Rad.	Width	
	Flow						
1	172_to_Inlet	CIRCULAR	4.00	12.57	1.00	4.00	
	3496.98						
1	278_to_PS_B	CIRCULAR	2.25	3.98	0.56	2.25	
	86.47						
1	381_to_PS77	RECT_CLOSED	3.00	51.90	1.28	17.30	
	239.39						
1	458_to_Inlet	CIRCULAR	1.67	2.18	0.42	1.67	
	239.93						
1	469_to_Inlet	CIRCULAR	2.00	3.14	0.50	2.00	
	550.74						
1	Culvert11	CIRCULAR	1.00	0.79	0.25	1.00	
	0.10						



1	Culvert12 0.11	CIRCULAR	1.00	0.79	0.25	1.00
2	Culvert12a 0.33	CIRCULAR	1.50	1.77	0.38	1.50
1	Culvert12c 2.09	CIRCULAR	3.00	7.07	0.75	3.00
1	Ditch_77 22.12	TRAPEZOIDAL	1.30	36.54	0.92	39.42
1	Ditch10 97.22	TRAPEZOIDAL	2.60	28.99	1.51	18.30
1	Ditch11 155.02	TRAPEZOIDAL	1.90	32.40	1.44	21.80
1	Ditch12 258.40	TRAPEZOIDAL	2.90	40.37	1.42	27.84
1	Ditch12a 335.14	TRAPEZOIDAL	4.00	43.20	2.38	11.60
1	Ditch13 11.33	TRAPEZOIDAL	2.60	52.78	1.82	28.10
1	Ditch14 113.27	TRAPEZOIDAL	1.30	36.54	0.92	39.42
1	Ditch15 19.92	TRAPEZOIDAL	1.30	10.73	0.64	16.51
1	Ditch16 120.37	TRAPEZOIDAL	1.90	39.71	0.95	41.80
1	Ditch17 340.31	TRAPEZOIDAL	3.40	43.86	2.17	18.00
1	Ditch18 281.37	TRAPEZOIDAL	3.20	39.04	1.88	19.40
1	Ditch2 46.09	TRAPEZOIDAL	5.50	303.88	3.59	83.30
1	Ditch3 1449.75	TRAPEZOIDAL	10.00	250.00	5.03	45.00
1	Ditch3_4 2070.62	TRAPEZOIDAL	3.60	144.00	2.68	52.60
1	Ditch4 3353.86	TRAPEZOIDAL	10.00	700.00	6.78	100.00
1	Ditch4_489 87.88	TRAPEZOIDAL	11.00	374.00	6.11	56.00
1	Ditch5 420.61	TRAPEZOIDAL	4.90	104.86	3.13	31.20
1	Ditch6 55.49	TRAPEZOIDAL	7.00	152.95	3.90	35.85
1	Ditch7 713.90	TRAPEZOIDAL	6.00	130.80	3.54	34.10
1	Ditch8 917.65	TRAPEZOIDAL	6.85	117.31	3.17	34.25
1	Ditch9 373.61	TRAPEZOIDAL	2.50	59.06	1.53	38.25
	Facility73_to_Pond	FORCE_MAIN	1.33	1.40	0.33	1.33
1	Pipe_-(1) 5.02	CIRCULAR	1.50	1.77	0.38	1.50
1	Pipe_-(10)	CIRCULAR	3.00	7.07	0.75	3.00

1	5.34					
	Pipe_-(10)-(1)	CIRCULAR	3.00	7.07	0.75	3.00
1	13.42					
	Pipe_-(117)	CIRCULAR	1.75	2.41	0.44	1.75
1	22.51					
	Pipe_-(118)	CIRCULAR	1.75	2.41	0.44	1.75
1	10.04					
	Pipe_-(119)	CIRCULAR	1.75	2.41	0.44	1.75
1	16.34					
	Pipe_-(120)	CIRCULAR	1.25	1.23	0.31	1.25
1	3.29					
	Pipe_-(122)	CIRCULAR	1.25	1.23	0.31	1.25
1	4.94					
	Pipe_-(123)	CIRCULAR	1.00	0.79	0.25	1.00
1	3.44					
	Pipe_-(124)	CIRCULAR	1.00	0.79	0.25	1.00
1	2.43					
	Pipe_-(125)	CIRCULAR	1.00	0.79	0.25	1.00
1	4.40					
	Pipe_-(126)	CIRCULAR	1.00	0.79	0.25	1.00
1	5.06					
	Pipe_-(127)	CIRCULAR	1.25	1.23	0.31	1.25
1	4.86					
	Pipe_-(128)	CIRCULAR	1.00	0.79	0.25	1.00
1	3.41					
	Pipe_-(130)	CIRCULAR	1.00	0.79	0.25	1.00
1	5.75					
	Pipe_-(133)	CIRCULAR	1.00	0.79	0.25	1.00
1	5.00					
	Pipe_-(134)	CIRCULAR	1.00	0.79	0.25	1.00
1	1.75					
	Pipe_-(135)	CIRCULAR	1.00	0.79	0.25	1.00
1	1.76					
	Pipe_-(136)	CIRCULAR	1.00	0.79	0.25	1.00
1	7.18					
	Pipe_-(137)	CIRCULAR	1.00	0.79	0.25	1.00
1	6.68					
	Pipe_-(138)	CIRCULAR	1.00	0.79	0.25	1.00
1	6.69					
	Pipe_-(153)	CIRCULAR	1.00	0.79	0.25	1.00
1	3.45					
	Pipe_-(154)	CIRCULAR	1.25	1.23	0.31	1.25
1	6.35					
	Pipe_-(155)	CIRCULAR	1.50	1.77	0.38	1.50
1	8.07					
	Pipe_-(156)	CIRCULAR	1.75	2.41	0.44	1.75
1	9.91					
	Pipe_-(157)	CIRCULAR	1.75	2.41	0.44	1.75
1	10.81					
	Pipe_-(158)	CIRCULAR	1.75	2.41	0.44	1.75
1	10.15					
	Pipe_-(159)	CIRCULAR	1.75	2.41	0.44	1.75
1	14.77					

1	Pipe_-(160)	CIRCULAR	2.00	3.14	0.50	2.00
	10.93					
1	Pipe_-(161)	CIRCULAR	2.00	3.14	0.50	2.00
	10.72					
1	Pipe_-(162)	CIRCULAR	2.00	3.14	0.50	2.00
	69.11					
1	Pipe_-(163)	CIRCULAR	4.00	12.57	1.00	4.00
	140.50					
1	Pipe_-(164)	CIRCULAR	2.75	5.94	0.69	2.75
	102.81					
1	Pipe_-(165)	CIRCULAR	2.00	3.14	0.50	2.00
	19.67					
1	Pipe_-(166)	CIRCULAR	1.50	1.77	0.38	1.50
	5.77					
1	Pipe_-(167)	CIRCULAR	1.50	1.77	0.38	1.50
	10.29					
1	Pipe_-(168)	CIRCULAR	1.50	1.77	0.38	1.50
	7.20					
1	Pipe_-(169)	CIRCULAR	1.50	1.77	0.38	1.50
	7.57					
1	Pipe_-(170)	CIRCULAR	1.25	1.23	0.31	1.25
	4.67					
1	Pipe_-(171)	CIRCULAR	1.25	1.23	0.31	1.25
	2.22					
1	Pipe_-(172)	CIRCULAR	1.00	0.79	0.25	1.00
	3.07					
1	Pipe_-(18)	CIRCULAR	1.75	2.41	0.44	1.75
	8.14					
1	Pipe_-(19)	CIRCULAR	1.50	1.77	0.38	1.50
	5.09					
1	Pipe_-(196)	CIRCULAR	2.00	3.14	0.50	2.00
	47.37					
1	Pipe_-(197)	CIRCULAR	2.00	3.14	0.50	2.00
	10.84					
1	Pipe_-(198)	CIRCULAR	2.00	3.14	0.50	2.00
	15.77					
1	Pipe_-(199)	CIRCULAR	1.75	2.41	0.44	1.75
	14.77					
1	Pipe_-(2)	CIRCULAR	1.50	1.77	0.38	1.50
	5.10					
1	Pipe_-(20)	CIRCULAR	1.50	1.77	0.38	1.50
	5.07					
1	Pipe_-(200)	CIRCULAR	1.75	2.41	0.44	1.75
	10.15					
1	Pipe_-(201)	CIRCULAR	1.75	2.41	0.44	1.75
	10.26					
1	Pipe_-(202)	CIRCULAR	1.75	2.41	0.44	1.75
	10.41					
1	Pipe_-(203)	CIRCULAR	1.50	1.77	0.38	1.50
	8.07					
1	Pipe_-(204)	CIRCULAR	1.25	1.23	0.31	1.25
	6.35					
1	Pipe_-(205)	CIRCULAR	1.00	0.79	0.25	1.00

1	3.45					
	Pipe_-(206)	CIRCULAR	2.00	3.14	0.50	2.00
1	57.73					
	Pipe_-(207)	CIRCULAR	2.00	3.14	0.50	2.00
1	10.72					
	Pipe_-(208)	CIRCULAR	2.00	3.14	0.50	2.00
1	18.41					
	Pipe_-(209)	CIRCULAR	2.00	3.14	0.50	2.00
1	17.40					
	Pipe_-(210)	CIRCULAR	1.75	2.41	0.44	1.75
1	13.58					
	Pipe_-(211)	CIRCULAR	1.75	2.41	0.44	1.75
1	12.23					
	Pipe_-(212)	CIRCULAR	1.75	2.41	0.44	1.75
1	11.62					
	Pipe_-(213)	CIRCULAR	1.75	2.41	0.44	1.75
1	11.10					
	Pipe_-(214)	CIRCULAR	1.50	1.77	0.38	1.50
1	8.21					
	Pipe_-(215)	CIRCULAR	1.25	1.23	0.31	1.25
1	4.95					
	Pipe_-(22)	FORCE_MAIN	0.25	0.05	0.06	0.25
1	0.05					
	Pipe_-(221)	CIRCULAR	3.00	7.07	0.75	3.00
1	98.66					
	Pipe_-(222)	CIRCULAR	2.50	4.91	0.63	2.50
1	55.06					
	Pipe_-(223)	CIRCULAR	2.00	3.14	0.50	2.00
1	25.18					
	Pipe_-(224)	CIRCULAR	2.00	3.14	0.50	2.00
1	18.99					
	Pipe_-(225)	CIRCULAR	2.00	3.14	0.50	2.00
1	20.50					
	Pipe_-(226)	CIRCULAR	1.75	2.41	0.44	1.75
1	14.77					
	Pipe_-(227)	CIRCULAR	1.75	2.41	0.44	1.75
1	10.15					
	Pipe_-(228)	CIRCULAR	1.75	2.41	0.44	1.75
1	11.08					
	Pipe_-(229)	CIRCULAR	1.75	2.41	0.44	1.75
1	9.71					
	Pipe_-(23)	FORCE_MAIN	0.50	0.20	0.13	0.50
1	0.29					
	Pipe_-(230)	CIRCULAR	1.50	1.77	0.38	1.50
1	8.07					
	Pipe_-(231)	CIRCULAR	1.25	1.23	0.31	1.25
1	6.62					
	Pipe_-(232)	CIRCULAR	1.00	0.79	0.25	1.00
1	3.33					
	Pipe_-(234)	CIRCULAR	1.50	1.77	0.38	1.50
1	7.85					
	Pipe_-(235)	CIRCULAR	1.50	1.77	0.38	1.50
1	11.72					

1	Pipe_-(236)	CIRCULAR	1.50	1.77	0.38	1.50
	5.98					
1	Pipe_-(237)	CIRCULAR	2.00	3.14	0.50	2.00
	87.40					
1	Pipe_-(238)	CIRCULAR	2.00	3.14	0.50	2.00
	11.37					
1	Pipe_-(239)	CIRCULAR	2.00	3.14	0.50	2.00
	15.77					
1	Pipe_-(24)	FORCE_MAIN	0.50	0.20	0.13	0.50
	0.29					
1	Pipe_-(240)	CIRCULAR	1.75	2.41	0.44	1.75
	14.77					
1	Pipe_-(241)	CIRCULAR	1.75	2.41	0.44	1.75
	10.15					
1	Pipe_-(242)	CIRCULAR	1.75	2.41	0.44	1.75
	10.81					
1	Pipe_-(243)	CIRCULAR	1.75	2.41	0.44	1.75
	9.91					
1	Pipe_-(244)	CIRCULAR	1.50	1.77	0.38	1.50
	7.93					
1	Pipe_-(245)	CIRCULAR	1.25	1.23	0.31	1.25
	6.44					
1	Pipe_-(246)	CIRCULAR	1.00	0.79	0.25	1.00
	3.45					
1	Pipe_-(247)	CIRCULAR	2.00	3.14	0.50	2.00
	104.84					
1	Pipe_-(248)	CIRCULAR	2.00	3.14	0.50	2.00
	10.72					
1	Pipe_-(249)	CIRCULAR	2.00	3.14	0.50	2.00
	18.41					
1	Pipe_-(25)	FORCE_MAIN	0.50	0.20	0.13	0.50
	0.29					
1	Pipe_-(250)	CIRCULAR	2.00	3.14	0.50	2.00
	17.40					
1	Pipe_-(251)	CIRCULAR	1.75	2.41	0.44	1.75
	13.58					
1	Pipe_-(252)	CIRCULAR	1.75	2.41	0.44	1.75
	12.23					
1	Pipe_-(253)	CIRCULAR	1.75	2.41	0.44	1.75
	11.62					
1	Pipe_-(254)	CIRCULAR	1.75	2.41	0.44	1.75
	11.10					
1	Pipe_-(255)	CIRCULAR	1.50	1.77	0.38	1.50
	8.21					
1	Pipe_-(256)	CIRCULAR	1.25	1.23	0.31	1.25
	5.31					
1	Pipe_-(257)	CIRCULAR	1.00	0.79	0.25	1.00
	2.75					
1	Pipe_-(258)	CIRCULAR	1.00	0.79	0.25	1.00
	0.25					
1	Pipe_-(259)	CIRCULAR	1.00	0.79	0.25	1.00
	2.66					
1	Pipe_-(26)	FORCE_MAIN	0.50	0.20	0.13	0.50

1	0.30					
	Pipe_-(260)	CIRCULAR	0.50	0.20	0.13	0.50
1	0.53					
	Pipe_-(261)	CIRCULAR	1.00	0.79	0.25	1.00
1	2.64					
	Pipe_-(264)	CIRCULAR	1.25	1.23	0.31	1.25
1	2.66					
	Pipe_-(265)	CIRCULAR	1.50	1.77	0.38	1.50
1	4.77					
	Pipe_-(266)	CIRCULAR	1.50	1.77	0.38	1.50
1	7.14					
	Pipe_-(267)	CIRCULAR	2.00	3.14	0.50	2.00
1	15.43					
	Pipe_-(268)	CIRCULAR	2.25	3.98	0.56	2.25
1	25.00					
	Pipe_-(27)	FORCE_MAIN	0.50	0.20	0.13	0.50
1	0.29					
	Pipe_-(277)	CIRCULAR	1.25	1.23	0.31	1.25
1	11.64					
	Pipe_-(278)	CIRCULAR	1.00	0.79	0.25	1.00
1	3.54					
	Pipe_-(28)	FORCE_MAIN	0.50	0.20	0.13	0.50
1	0.29					
	Pipe_-(285)	CIRCULAR	1.00	0.79	0.25	1.00
1	3.27					
	Pipe_-(288)	CIRCULAR	1.75	2.41	0.44	1.75
1	14.24					
	Pipe_-(29)	FORCE_MAIN	0.50	0.20	0.13	0.50
1	0.29					
	Pipe_-(295)	CIRCULAR	1.00	0.79	0.25	1.00
1	10.53					
	Pipe_-(296)	CIRCULAR	1.00	0.79	0.25	1.00
1	3.20					
	Pipe_-(3)	CIRCULAR	1.50	1.77	0.38	1.50
1	5.09					
	Pipe_-(30)	FORCE_MAIN	0.50	0.20	0.13	0.50
1	0.29					
	Pipe_-(307)	CIRCULAR	1.50	1.77	0.38	1.50
1	4.77					
	Pipe_-(308)	CIRCULAR	1.50	1.77	0.38	1.50
1	4.65					
	Pipe_-(309)	CIRCULAR	1.50	1.77	0.38	1.50
1	4.54					
	Pipe_-(31)	FORCE_MAIN	0.50	0.20	0.13	0.50
1	0.29					
	Pipe_-(310)	CIRCULAR	1.75	2.41	0.44	1.75
1	17.77					
	Pipe_-(311)	CIRCULAR	2.50	4.91	0.63	2.50
1	34.17					
	Pipe_-(312)	CIRCULAR	2.50	4.91	0.63	2.50
1	22.34					
	Pipe_-(313)	CIRCULAR	1.25	1.23	0.31	1.25
1	1.46					

1	Pipe_-(314)	CIRCULAR	1.00	0.79	0.25	1.00
	3.94					
1	Pipe_-(319)	CIRCULAR	0.50	0.20	0.13	0.50
	1.40					
1	Pipe_-(32)	FORCE_MAIN	0.50	0.20	0.13	0.50
	0.29					
1	Pipe_-(320)	CIRCULAR	0.50	0.20	0.13	0.50
	1.59					
1	Pipe_-(321)	CIRCULAR	1.25	1.23	0.31	1.25
	12.78					
1	Pipe_-(322)	CIRCULAR	1.25	1.23	0.31	1.25
	4.98					
1	Pipe_-(323)	CIRCULAR	1.00	0.79	0.25	1.00
	1.36					
1	Pipe_-(327)	CIRCULAR	1.50	1.77	0.38	1.50
	5.46					
1	Pipe_-(328)	CIRCULAR	1.25	1.23	0.31	1.25
	5.69					
1	Pipe_-(329)	CIRCULAR	1.00	0.79	0.25	1.00
	4.53					
1	Pipe_-(33)	FORCE_MAIN	0.50	0.20	0.13	0.50
	0.29					
1	Pipe_-(331)	CIRCULAR	1.00	0.79	0.25	1.00
	5.72					
1	Pipe_-(333)	CIRCULAR	1.00	0.79	0.25	1.00
	1.39					
1	Pipe_-(334)	CIRCULAR	1.00	0.79	0.25	1.00
	8.07					
1	Pipe_-(337)	CIRCULAR	4.00	12.57	1.00	4.00
	21.70					
1	Pipe_-(338)	CIRCULAR	4.00	12.57	1.00	4.00
	23.61					
1	Pipe_-(34)	FORCE_MAIN	0.50	0.20	0.13	0.50
	0.29					
1	Pipe_-(340)	CIRCULAR	2.00	3.14	0.50	2.00
	51.87					
1	Pipe_-(35)	CIRCULAR	3.50	9.62	0.88	3.50
	48.34					
1	Pipe_-(358)	CIRCULAR	1.50	1.77	0.38	1.50
	9.52					
1	Pipe_-(359)	CIRCULAR	1.50	1.77	0.38	1.50
	7.48					
1	Pipe_-(36)	CIRCULAR	3.50	9.62	0.88	3.50
	48.45					
1	Pipe_-(360)	CIRCULAR	1.50	1.77	0.38	1.50
	6.68					
1	Pipe_-(361)	CIRCULAR	0.67	0.35	0.17	0.67
	1.31					
1	Pipe_-(362)	CIRCULAR	0.67	0.35	0.17	0.67
	1.47					
1	Pipe_-(363)	CIRCULAR	0.67	0.35	0.17	0.67
	1.27					
1	Pipe_-(364)	CIRCULAR	1.00	0.79	0.25	1.00

1	3.38					
	Pipe_-(365)	CIRCULAR	1.00	0.79	0.25	1.00
1	11.92					
	Pipe_-(366)	CIRCULAR	3.50	9.62	0.88	3.50
1	88.93					
	Pipe_-(367)	CIRCULAR	3.50	9.62	0.88	3.50
1	53.14					
	Pipe_-(369)	CIRCULAR	0.67	0.35	0.17	0.67
1	6.20					
	Pipe_-(37)	CIRCULAR	3.50	9.62	0.88	3.50
1	47.97					
	Pipe_-(370)	CIRCULAR	3.00	7.07	0.75	3.00
1	6.27					
	Pipe_-(374)	CIRCULAR	1.00	0.79	0.25	1.00
1	0.06					
	Pipe_-(375)	CIRCULAR	1.00	0.79	0.25	1.00
1	1.13					
	Pipe_-(376)	CIRCULAR	1.33	1.40	0.33	1.33
1	4.46					
	Pipe_-(377)	CIRCULAR	1.50	1.77	0.38	1.50
1	10.21					
	Pipe_-(378)	CIRCULAR	1.50	1.77	0.38	1.50
1	16.91					
	Pipe_-(379)	CIRCULAR	1.50	1.77	0.38	1.50
1	16.90					
	Pipe_-(38)	CIRCULAR	3.50	9.62	0.88	3.50
1	48.51					
	Pipe_-(380)	CIRCULAR	1.00	0.79	0.25	1.00
1	5.30					
	Pipe_-(381)	CIRCULAR	1.50	1.77	0.38	1.50
1	39.67					
	Pipe_-(382)	CIRCULAR	0.67	0.35	0.17	0.67
1	2.04					
	Pipe_-(383)	CIRCULAR	0.67	0.35	0.17	0.67
1	2.05					
	Pipe_-(384)	CIRCULAR	1.00	0.79	0.25	1.00
1	4.94					
	Pipe_-(385)	CIRCULAR	0.67	0.35	0.17	0.67
1	1.72					
	Pipe_-(386)	CIRCULAR	0.67	0.35	0.17	0.67
1	2.04					
	Pipe_-(387)	CIRCULAR	0.67	0.35	0.17	0.67
1	2.22					
	Pipe_-(389)	CIRCULAR	0.67	0.35	0.17	0.67
1	6.33					
	Pipe_-(39)	CIRCULAR	3.50	9.62	0.88	3.50
1	149.88					
	Pipe_-(390)	CIRCULAR	1.50	1.77	0.38	1.50
1	6.14					
	Pipe_-(4)	CIRCULAR	2.00	3.14	0.50	2.00
1	10.93					
	Pipe_-(40)	CIRCULAR	3.50	9.62	0.88	3.50
1	34.45					



1	Pipe_-(404)	CIRCULAR	1.00	0.79	0.25	1.00
	7.57					
1	Pipe_-(405)	CIRCULAR	1.00	0.79	0.25	1.00
	2.49					
1	Pipe_-(408)	FORCE_MAIN	2.50	4.91	0.63	2.50
	61.15					
1	Pipe_-(409)	FORCE_MAIN	2.50	4.91	0.63	2.50
	41.96					
1	Pipe_-(41)	CIRCULAR	3.50	9.62	0.88	3.50
	56.91					
1	Pipe_-(410)	FORCE_MAIN	2.50	4.91	0.63	2.50
	42.44					
1	Pipe_-(411)	FORCE_MAIN	2.50	4.91	0.63	2.50
	42.16					
1	Pipe_-(412)	FORCE_MAIN	2.50	4.91	0.63	2.50
	35.55					
1	Pipe_-(42)	CIRCULAR	3.50	9.62	0.88	3.50
	48.34					
1	Pipe_-(423)	FORCE_MAIN	1.50	1.77	0.38	1.50
	11.24					
1	Pipe_-(424)	FORCE_MAIN	1.50	1.77	0.38	1.50
	11.10					
1	Pipe_-(425)	FORCE_MAIN	1.50	1.77	0.38	1.50
	11.22					
1	Pipe_-(426)	FORCE_MAIN	1.50	1.77	0.38	1.50
	11.20					
1	Pipe_-(427)	FORCE_MAIN	1.50	1.77	0.38	1.50
	11.00					
1	Pipe_-(429)	CIRCULAR	1.50	1.77	0.38	1.50
	2.81					
1	Pipe_-(43)	CIRCULAR	3.50	9.62	0.88	3.50
	50.01					
1	Pipe_-(430)	CIRCULAR	1.50	1.77	0.38	1.50
	2.99					
1	Pipe_-(431)	CIRCULAR	1.50	1.77	0.38	1.50
	4.80					
1	Pipe_-(432)	CIRCULAR	1.67	2.18	0.42	1.67
	6.52					
1	Pipe_-(433)	CIRCULAR	1.67	2.18	0.42	1.67
	4.79					
1	Pipe_-(434)	FORCE_MAIN	1.67	2.18	0.42	1.67
	13.75					
1	Pipe_-(435)	FORCE_MAIN	1.67	2.18	0.42	1.67
	13.50					
1	Pipe_-(436)	FORCE_MAIN	1.67	2.18	0.42	1.67
	15.14					
1	Pipe_-(437)	FORCE_MAIN	1.67	2.18	0.42	1.67
	13.48					
1	Pipe_-(438)	FORCE_MAIN	1.67	2.18	0.42	1.67
	13.75					
1	Pipe_-(439)	FORCE_MAIN	1.67	2.18	0.42	1.67
	304.16					
	Pipe_-(44)	CIRCULAR	3.50	9.62	0.88	3.50

1	49.46					
	Pipe_-(443)	CIRCULAR	2.00	3.14	0.50	2.00
1	46.32					
	Pipe_-(444)	CIRCULAR	2.00	3.14	0.50	2.00
1	16.38					
	Pipe_-(445)	CIRCULAR	2.00	3.14	0.50	2.00
1	17.03					
	Pipe_-(446)	CIRCULAR	2.00	3.14	0.50	2.00
1	17.59					
	Pipe_-(447)	CIRCULAR	1.25	1.23	0.31	1.25
1	5.78					
	Pipe_-(448)	CIRCULAR	1.25	1.23	0.31	1.25
1	5.93					
	Pipe_-(449)	CIRCULAR	1.25	1.23	0.31	1.25
1	5.95					
	Pipe_-(45)	ARCH	3.33	14.23	1.00	5.42
1	58.96					
	Pipe_-(450)	CIRCULAR	3.00	7.07	0.75	3.00
1	15.15					
	Pipe_-(452)	CIRCULAR	1.50	1.77	0.38	1.50
1	0.82					
	Pipe_-(453)	CIRCULAR	1.50	1.77	0.38	1.50
1	3.22					
	Pipe_-(454)	CIRCULAR	1.50	1.77	0.38	1.50
1	2.94					
	Pipe_-(455)	CIRCULAR	1.50	1.77	0.38	1.50
1	9.18					
	Pipe_-(456)	CIRCULAR	1.50	1.77	0.38	1.50
1	5.24					
	Pipe_-(460)	CIRCULAR	0.50	0.20	0.13	0.50
1	0.51					
	Pipe_-(461)	CIRCULAR	3.00	7.07	0.75	3.00
1	1.55					
	Pipe_-(462)	CIRCULAR	3.00	7.07	0.75	3.00
1	34.64					
	Pipe_-(467)	CIRCULAR	4.00	12.57	1.00	4.00
1	41.18					
	Pipe_-(47)	ARCH	3.33	14.23	1.00	5.42
1	75.04					
	Pipe_-(474)	CIRCULAR	1.50	1.77	0.38	1.50
1	6.24					
	Pipe_-(49)	ARCH	3.33	14.23	1.00	5.42
1	53.10					
	Pipe_-(5)	CIRCULAR	2.00	3.14	0.50	2.00
1	10.93					
	Pipe_-(50)	ARCH	3.33	14.23	1.00	5.42
1	44.28					
	Pipe_-(51)	ARCH	3.33	14.23	1.00	5.42
1	8.01					
	Pipe_-(52)	ARCH	3.33	14.23	1.00	5.42
1	20.13					
	Pipe_-(53)	ARCH	3.33	14.23	1.00	5.42
1	53.62					

1	Pipe_-(54)	CIRCULAR	1.50	1.77	0.38	1.50
	5.08					
1	Pipe_-(55)	CIRCULAR	1.50	1.77	0.38	1.50
	4.99					
1	Pipe_-(56)	CIRCULAR	1.50	1.77	0.38	1.50
	5.10					
1	Pipe_-(57)	CIRCULAR	1.50	1.77	0.38	1.50
	5.09					
1	Pipe_-(58)	CIRCULAR	1.50	1.77	0.38	1.50
	5.19					
1	Pipe_-(59)	CIRCULAR	1.50	1.77	0.38	1.50
	5.07					
1	Pipe_-(6)	CIRCULAR	2.00	3.14	0.50	2.00
	10.99					
1	Pipe_-(60)	CIRCULAR	1.50	1.77	0.38	1.50
	5.08					
1	Pipe_-(65)	CIRCULAR	1.50	1.77	0.38	1.50
	5.09					
1	Pipe_-(66)	CIRCULAR	1.50	1.77	0.38	1.50
	16.29					
1	Pipe_-(67)	CIRCULAR	1.50	1.77	0.38	1.50
	5.07					
1	Pipe_-(68)	CIRCULAR	1.50	1.77	0.38	1.50
	5.10					
1	Pipe_-(69)	CIRCULAR	1.50	1.77	0.38	1.50
	5.09					
1	Pipe_-(7)	CIRCULAR	2.50	4.91	0.63	2.50
	17.27					
1	Pipe_-(70)	CIRCULAR	1.50	1.77	0.38	1.50
	5.09					
1	Pipe_-(71)	CIRCULAR	1.50	1.77	0.38	1.50
	5.09					
1	Pipe_-(72)	CIRCULAR	1.50	1.77	0.38	1.50
	5.09					
1	Pipe_-(73)	CIRCULAR	1.25	1.23	0.31	1.25
	3.13					
1	Pipe_-(74)	CIRCULAR	1.50	1.77	0.38	1.50
	4.98					
1	Pipe_-(75)	CIRCULAR	1.50	1.77	0.38	1.50
	5.12					
1	Pipe_-(76)	CIRCULAR	1.50	1.77	0.38	1.50
	5.09					
1	Pipe_-(77)	CIRCULAR	1.50	1.77	0.38	1.50
	5.09					
1	Pipe_-(78)	CIRCULAR	1.50	1.77	0.38	1.50
	5.09					
1	Pipe_-(79)	CIRCULAR	1.50	1.77	0.38	1.50
	5.09					
1	Pipe_-(8)	CIRCULAR	2.50	4.91	0.63	2.50
	17.15					
1	Pipe_-(80)	CIRCULAR	1.25	1.23	0.31	1.25
	3.13					
	Pipe_-(81)	CIRCULAR	2.00	3.14	0.50	2.00

1	43.38					
	Pipe_-(82)	CIRCULAR	2.00	3.14	0.50	2.00
1	14.65					
	Pipe_-(83)	CIRCULAR	2.00	3.14	0.50	2.00
1	15.17					
	Pipe_-(84)	CIRCULAR	2.00	3.14	0.50	2.00
1	14.04					
	Pipe_-(85)	CIRCULAR	1.75	2.41	0.44	1.75
1	6.30					
	Pipe_-(87)	CIRCULAR	1.75	2.41	0.44	1.75
1	25.68					
	Pipe_-(88)	CIRCULAR	1.75	2.41	0.44	1.75
1	11.92					
	Pipe_-(89)	CIRCULAR	1.75	2.41	0.44	1.75
1	10.87					
	Pipe_-(9)	CIRCULAR	2.50	4.91	0.63	2.50
1	6.61					
	Pipe_-(90)	CIRCULAR	1.75	2.41	0.44	1.75
1	5.54					
	Pipe_-(91)	CIRCULAR	1.50	1.77	0.38	1.50
1	3.09					
	Pipe_-(92)	CIRCULAR	1.50	1.77	0.38	1.50
1	6.19					
	Pipe_-(93)	CIRCULAR	1.50	1.77	0.38	1.50
1	6.28					
	Pipe_-(94)	CIRCULAR	1.50	1.77	0.38	1.50
1	6.25					
	Pipe_-(95)	CIRCULAR	1.50	1.77	0.38	1.50
1	6.27					
	Pipe_-(96)	CIRCULAR	1.50	1.77	0.38	1.50
1	6.21					
	Pipe_-(97)	CIRCULAR	1.50	1.77	0.38	1.50
1	6.25					
	Pipe_PS_A	CIRCULAR	1.50	1.77	0.38	1.50
1	88.87					
	Pipe_PS_B	CIRCULAR	2.50	4.91	0.63	2.50
1	3.94					
	Pipe468	CIRCULAR	2.00	3.14	0.50	2.00
1	6.25					
	Pipe483	CIRCULAR	1.00	0.79	0.25	1.00
1	3.86					
	PSC_Overflow	CIRCULAR	1.17	1.07	0.29	1.17
1	8.12					
	PSC_to_Outfall	FORCE_MAIN	1.67	2.18	0.42	1.67
1	25.78					

\*\*\*\*\*  
NOTE: The summary statistics displayed in this report are based on results found at every computational time step, not just on results from each reporting time step.  
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Analysis Options

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Flow Units ..... CFS  
Process Models:  
  Rainfall/Runoff ..... YES  
  RDII ..... NO  
  Snowmelt ..... NO  
  Groundwater ..... NO  
  Flow Routing ..... YES  
  Ponding Allowed ..... YES  
  Water Quality ..... NO  
Infiltration Method ..... HORTON  
Flow Routing Method ..... DYNWAVE  
Surcharge Method ..... EXTRAN  
Starting Date ..... 11/15/1962 00:00:00  
Ending Date ..... 11/28/1962 23:00:00  
Antecedent Dry Days ..... 0.0  
Report Time Step ..... 00:01:00  
Wet Time Step ..... 00:05:00  
Dry Time Step ..... 00:05:00  
Routing Time Step ..... 1.00 sec  
Variable Time Step ..... YES  
Maximum Trials ..... 8  
Number of Threads ..... 2  
Head Tolerance ..... 0.005000 ft

*****	Volume	Depth
Runoff Quantity Continuity	acre-feet	inches
*****	-----	-----
Total Precipitation .....	0.000	0.000
Evaporation Loss .....	0.000	0.000
Infiltration Loss .....	0.000	0.000
Surface Runoff .....	0.000	0.000
Final Storage .....	0.000	0.000
Continuity Error (%) .....	0.000	

*****	Volume	Volume
Flow Routing Continuity	acre-feet	10^6 gal
*****	-----	-----
Dry Weather Inflow .....	0.000	0.000
Wet Weather Inflow .....	0.000	0.000
Groundwater Inflow .....	0.000	0.000
RDII Inflow .....	0.000	0.000
External Inflow .....	211.845	69.033
External Outflow .....	192.343	62.678
Flooding Loss .....	3.091	1.007
Evaporation Loss .....	0.000	0.000
Exfiltration Loss .....	0.000	0.000
Initial Stored Volume ....	16.175	5.271

Final Stored Volume ..... 24.174 7.877  
Continuity Error (%) ..... 3.690

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Highest Continuity Errors

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Node Ditch9\_10\_11 (28.93%)  
Node Structure\_-(458) (17.48%)  
Node Culvert\_Ditch12b (10.56%)  
Node Structure\_-(481) (7.05%)  
Node Structure\_-(453) (6.27%)

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Time-Step Critical Elements

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Link 381\_to\_PS77 (72.56%)  
Link Pipe\_-(412) (16.18%)  
Link 469\_to\_Inlet (6.37%)  
Link 172\_to\_Inlet (2.13%)  
Link 458\_to\_Inlet (1.29%)

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Highest Flow Instability Indexes

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Link 469\_to\_Inlet (56)  
Link Pipe\_-(462) (49)  
Link Pipe\_-(206) (49)  
Link Pipe\_-(461) (48)  
Link Pipe\_-(247) (47)

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Routing Time Step Summary

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Minimum Time Step : 0.17 sec  
Average Time Step : 0.52 sec  
Maximum Time Step : 1.00 sec  
Percent in Steady State : 0.00  
Average Iterations per Step : 4.88  
Percent Not Converging : 27.54  
Time Step Frequencies :  
    1.000 - 0.871 sec : 1.45 %  
    0.871 - 0.758 sec : 0.02 %  
    0.758 - 0.660 sec : 2.65 %  
    0.660 - 0.574 sec : 4.40 %  
    0.574 - 0.500 sec : 91.48 %

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Subcatchment Runoff Summary

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Perv Runoff Subcatchment in	Total Runoff in	Total Total Precip Runoff in 10^6 gal	Total Peak Runon Runoff in CFS	Runoff Coeff	Total Evap in	Total Infil in	Imperv Runoff in
2.1	0.00	0.00	0.00	0.000	0.00	0.00	0.00
2.2	0.00	0.00	0.00	0.000	0.00	0.00	0.00
2.3	0.00	0.00	0.00	0.000	0.00	0.00	0.00
2.4	0.00	0.00	0.00	0.000	0.00	0.00	0.00
3	0.00	0.00	0.00	0.000	0.00	0.00	0.00
5	0.00	0.00	0.00	0.000	0.00	0.00	0.00
A	0.00	0.00	0.00	0.000	0.00	0.00	0.00
B	0.00	0.00	0.00	0.000	0.00	0.00	0.00
C	0.00	0.00	0.00	0.000	0.00	0.00	0.00
D	0.00	0.00	0.00	0.000	0.00	0.00	0.00
E	0.00	0.00	0.00	0.000	0.00	0.00	0.00
F	0.00	0.00	0.00	0.000	0.00	0.00	0.00
G	0.00	0.00	0.00	0.000	0.00	0.00	0.00
H	0.00	0.00	0.00	0.000	0.00	0.00	0.00

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Node Depth Summary  
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Average Maximum Maximum Time of Max  
Reported

Depth Node Feet	Type	Depth Feet	Depth Feet	HGL Feet	Occurrence days hr:min	Max
---						
CB19 0.99	JUNCTION	0.12	0.99	7.60	4 17:00	
CB22 0.97	JUNCTION	0.17	0.97	6.99	4 17:00	
CB30 0.59	JUNCTION	0.31	0.59	7.76	4 17:00	
CB31 0.83	JUNCTION	0.14	0.83	8.23	4 17:00	
CB33 0.30	JUNCTION	0.06	0.30	7.47	4 17:00	
Culvert_Ditch11 4.35	JUNCTION	1.91	4.44	7.78	11 19:25	
Culvert_Ditch12 3.57	JUNCTION	2.14	3.57	6.55	12 08:06	
Culvert_Ditch12a 4.16	JUNCTION	2.59	4.17	6.56	12 08:05	
Culvert_Ditch12b 5.01	JUNCTION	2.59	5.01	7.40	10 20:59	
Culvert_Ditch12c 6.05	JUNCTION	3.95	6.05	6.55	12 07:59	
Ditch1_2 9.55	JUNCTION	5.88	9.55	10.55	5 04:33	
Ditch10_Inlet 2.83	JUNCTION	1.61	2.87	6.67	5 08:20	
Ditch11_12 4.65	JUNCTION	2.23	4.74	7.72	11 19:25	
Ditch12_18 6.05	JUNCTION	3.92	6.05	6.55	12 08:00	
Ditch14_15 1.29	JUNCTION	0.68	1.29	5.41	4 17:07	
Ditch15_16 1.10	JUNCTION	0.60	1.10	4.22	4 17:08	
Ditch16_17 0.47	JUNCTION	0.05	0.47	2.65	4 17:14	
Ditch17_5_6 1.39	JUNCTION	0.29	1.39	2.63	4 17:14	
Ditch2_3 9.55	JUNCTION	5.88	9.55	10.55	5 04:32	
Ditch3_Out 9.55	JUNCTION	5.88	9.55	10.55	5 04:36	
Ditch4_Berm 6.55	JUNCTION	3.42	6.55	10.55	5 04:37	
Ditch4_In 5.55	JUNCTION	2.42	5.55	10.55	5 04:39	
Ditch4_Out 7.55	JUNCTION	3.88	7.55	10.55	5 04:37	



Ditch5_Inlet	JUNCTION	0.13	0.87	3.12	4	17:06
0.87						
Ditch6_7	JUNCTION	0.25	1.24	2.48	4	17:14
1.24						
Ditch7_8	JUNCTION	0.59	1.90	-0.42	4	17:11
1.90						
Ditch9_10_11	JUNCTION	2.00	5.00	8.34	5	04:29
5.00						
Ditch9_Inlet	JUNCTION	0.04	0.16	8.62	4	17:02
0.16						
Facility77_PS	JUNCTION	20.75	60.49	68.79	5	03:12
60.49						
PS004	JUNCTION	6.12	8.55	6.55	12	08:04
8.55						
PSC_Outlet	JUNCTION	17.44	49.92	61.42	5	15:01
49.92						
SDCB294	JUNCTION	0.36	1.92	4.45	4	17:04
1.89						
SDCB541	JUNCTION	0.92	1.70	7.01	4	17:00
1.70						
SDCB543	JUNCTION	0.24	0.62	7.73	4	17:00
0.62						
SDCB6003	JUNCTION	0.26	1.60	4.53	4	17:03
1.60						
SDCB6005	JUNCTION	2.94	3.10	8.85	4	17:00
3.10						
SDMH297	JUNCTION	0.34	1.82	4.30	4	17:07
1.82						
SDMH299	JUNCTION	0.32	1.81	4.31	4	17:05
1.80						
SDMH301	JUNCTION	0.33	1.85	4.15	4	17:01
1.81						
SDMH538	JUNCTION	1.11	1.41	6.29	4	17:00
1.41						
SDMH539	JUNCTION	1.00	1.91	5.44	4	17:00
1.91						
SDMH540	JUNCTION	0.80	1.72	5.50	4	17:00
1.72						
Structure_-(1)	JUNCTION	0.32	5.00	12.42	4	18:32
3.31						
Structure_-(10)	JUNCTION	1.88	6.14	10.88	4	16:42
5.75						
Structure_-(100)	JUNCTION	0.05	0.25	10.87	4	17:00
0.25						
Structure_-(101)	JUNCTION	0.04	0.21	10.88	4	17:00
0.21						
Structure_-(102)	JUNCTION	0.04	0.22	10.72	4	17:00
0.22						
Structure_-(123)	JUNCTION	0.32	2.99	10.45	5	02:40
2.98						
Structure_-(124)	JUNCTION	0.30	2.86	10.56	5	17:55
2.74						
Structure_-(125)	JUNCTION	0.08	0.62	10.44	5	02:45

0.62	Structure_-(126)	JUNCTION	0.07	0.39	10.51	4	17:00
0.39	Structure_-(128)	JUNCTION	0.05	0.27	11.40	4	17:00
0.26	Structure_-(129)	JUNCTION	0.04	0.20	13.01	4	17:00
0.20	Structure_-(130)	JUNCTION	0.07	0.36	10.98	4	17:00
0.36	Structure_-(131)	JUNCTION	0.04	0.22	11.36	4	17:00
0.22	Structure_-(132)	JUNCTION	0.03	0.16	12.10	4	17:00
0.16	Structure_-(133)	JUNCTION	0.06	0.34	10.96	4	17:00
0.34	Structure_-(134)	JUNCTION	0.29	0.45	11.75	4	17:00
0.45	Structure_-(136)	JUNCTION	0.90	1.03	12.87	4	17:00
1.03	Structure_-(139)	JUNCTION	2.36	6.36	10.48	5	02:44
6.33	Structure_-(140)	JUNCTION	2.27	6.25	10.47	5	02:40
6.22	Structure_-(141)	JUNCTION	2.89	6.85	10.45	5	03:01
6.84	Structure_-(142)	JUNCTION	1.26	5.01	10.45	5	03:01
5.00	Structure_-(143)	JUNCTION	0.59	4.09	10.49	5	02:43
4.06	Structure_-(144)	JUNCTION	0.41	3.73	10.49	5	03:02
3.69	Structure_-(161)	JUNCTION	0.90	5.01	11.14	5	17:36
5.00	Structure_-(162)	JUNCTION	1.50	5.18	10.43	5	03:04
5.17	Structure_-(163)	JUNCTION	1.96	5.80	10.42	5	03:04
5.80	Structure_-(164)	JUNCTION	2.43	6.39	10.42	5	03:03
6.39	Structure_-(165)	JUNCTION	2.72	6.72	10.42	5	03:02
6.71	Structure_-(166)	JUNCTION	3.03	7.07	10.42	5	03:02
7.06	Structure_-(167)	JUNCTION	3.54	7.63	10.42	5	02:52
7.62	Structure_-(168)	JUNCTION	4.12	8.27	10.42	5	03:06
8.27	Structure_-(169)	JUNCTION	4.68	8.84	10.42	5	03:01
8.83	Structure_-(170)	JUNCTION	4.86	9.06	10.47	5	03:00
9.03	Structure_-(171)	JUNCTION	7.67	12.04	10.46	5	02:55
12.02							

Structure_-(172)	JUNCTION	9.07	13.43	10.43	5	03:00
13.43						
Structure_-(173)	JUNCTION	5.69	9.89	10.45	5	02:44
9.87						
Structure_-(174)	JUNCTION	5.15	9.34	10.45	5	03:12
9.32						
Structure_-(175)	JUNCTION	4.89	9.09	10.46	5	03:01
9.07						
Structure_-(176)	JUNCTION	3.84	8.02	10.46	5	02:53
8.00						
Structure_-(177)	JUNCTION	3.03	7.12	10.46	5	02:53
7.09						
Structure_-(178)	JUNCTION	2.16	6.08	10.42	5	02:52
6.08						
Structure_-(179)	JUNCTION	1.44	5.18	10.42	5	02:51
5.18						
Structure_-(180)	JUNCTION	2.14	5.86	10.46	5	02:51
5.84						
Structure_-(181)	JUNCTION	0.80	4.32	10.45	5	02:53
4.30						
Structure_-(19)	JUNCTION	1.58	6.70	11.75	4	16:42
5.43						
Structure_-(2)	JUNCTION	0.35	5.16	12.47	4	18:57
3.40						
Structure_-(20)	JUNCTION	1.03	5.00	10.77	4	16:45
4.72						
Structure_-(205)	JUNCTION	4.85	9.02	10.42	5	03:01
9.01						
Structure_-(206)	JUNCTION	4.67	8.84	10.42	5	02:50
8.83						
Structure_-(207)	JUNCTION	4.12	8.27	10.42	5	03:07
8.27						
Structure_-(208)	JUNCTION	3.54	7.62	10.42	5	02:52
7.62						
Structure_-(209)	JUNCTION	3.03	7.07	10.42	5	03:06
7.07						
Structure_-(21)	JUNCTION	0.76	5.00	11.16	4	16:45
4.33						
Structure_-(210)	JUNCTION	2.76	6.77	10.42	5	03:03
6.77						
Structure_-(211)	JUNCTION	2.43	6.39	10.42	5	02:53
6.39						
Structure_-(212)	JUNCTION	1.96	5.80	10.42	5	03:05
5.80						
Structure_-(213)	JUNCTION	1.50	5.18	10.43	5	03:04
5.17						
Structure_-(214)	JUNCTION	0.90	5.00	11.13	5	17:33
4.29						
Structure_-(215)	JUNCTION	5.31	9.49	10.42	5	03:12
9.48						
Structure_-(216)	JUNCTION	5.13	9.31	10.42	5	02:49
9.31						
Structure_-(217)	JUNCTION	4.35	8.51	10.42	5	03:01

8.51							
Structure_-(218)	JUNCTION	3.89	8.01	10.42	5	02:49	
8.01							
Structure_-(219)	JUNCTION	2.97	7.00	10.42	5	03:02	
7.00							
Structure_-(220)	JUNCTION	2.53	6.51	10.42	5	03:03	
6.51							
Structure_-(221)	JUNCTION	2.10	6.00	10.42	5	02:51	
6.00							
Structure_-(222)	JUNCTION	1.67	5.46	10.42	5	03:03	
5.46							
Structure_-(223)	JUNCTION	1.28	4.98	10.45	5	02:52	
4.96							
Structure_-(23)	JUNCTION	13.17	18.69	33.17	12	20:23	
18.69							
Structure_-(230)	JUNCTION	6.42	10.72	10.47	5	03:12	
10.69							
Structure_-(231)	JUNCTION	5.64	9.86	10.41	5	02:50	
9.86							
Structure_-(232)	JUNCTION	4.87	9.06	10.42	5	02:56	
9.05							
Structure_-(233)	JUNCTION	5.18	9.36	10.42	5	03:08	
9.36							
Structure_-(234)	JUNCTION	4.12	8.26	10.42	5	03:07	
8.26							
Structure_-(235)	JUNCTION	3.54	7.62	10.42	5	02:55	
7.62							
Structure_-(236)	JUNCTION	3.03	7.07	10.42	5	03:06	
7.06							
Structure_-(237)	JUNCTION	2.72	6.72	10.42	5	03:06	
6.71							
Structure_-(238)	JUNCTION	2.43	6.38	10.42	5	02:58	
6.38							
Structure_-(239)	JUNCTION	1.96	5.80	10.42	5	03:05	
5.79							
Structure_-(24)	JUNCTION	6.93	10.08	24.55	12	23:03	
10.08							
Structure_-(240)	JUNCTION	1.43	5.08	10.43	5	03:05	
5.08							
Structure_-(241)	JUNCTION	0.90	4.93	11.06	5	17:33	
4.29							
Structure_-(242)	JUNCTION	1.92	2.22	5.42	4	17:07	
2.22							
Structure_-(243)	JUNCTION	1.37	2.91	6.67	5	00:32	
1.83							
Structure_-(244)	JUNCTION	0.46	0.79	5.47	4	17:00	
0.79							
Structure_-(245)	JUNCTION	0.23	0.56	5.51	4	17:00	
0.56							
Structure_-(246)	JUNCTION	4.87	9.03	10.41	5	02:50	
9.03							
Structure_-(247)	JUNCTION	4.67	8.83	10.42	5	02:56	
8.83							

Structure_-(248)	JUNCTION	4.12	8.26	10.41	5	02:56
8.26						
Structure_-(249)	JUNCTION	3.54	7.62	10.41	5	02:57
7.62						
Structure_-(25)	JUNCTION	6.80	9.90	24.30	12	23:12
9.90						
Structure_-(250)	JUNCTION	3.03	7.06	10.41	5	02:43
7.06						
Structure_-(251)	JUNCTION	2.72	6.71	10.42	5	02:52
6.71						
Structure_-(252)	JUNCTION	2.43	6.38	10.41	5	02:52
6.38						
Structure_-(253)	JUNCTION	1.99	5.82	10.42	5	02:52
5.82						
Structure_-(254)	JUNCTION	1.50	5.17	10.42	5	02:41
5.16						
Structure_-(255)	JUNCTION	0.90	5.00	11.13	5	17:36
4.28						
Structure_-(256)	JUNCTION	5.30	9.54	10.47	5	02:51
9.51						
Structure_-(257)	JUNCTION	5.13	9.30	10.42	5	03:12
9.30						
Structure_-(258)	JUNCTION	4.35	8.51	10.42	5	02:51
8.51						
Structure_-(259)	JUNCTION	3.89	8.02	10.42	5	03:12
8.02						
Structure_-(26)	JUNCTION	6.37	9.29	23.37	12	23:40
9.29						
Structure_-(260)	JUNCTION	2.98	7.00	10.42	5	02:52
7.00						
Structure_-(261)	JUNCTION	2.54	6.50	10.42	5	03:04
6.50						
Structure_-(262)	JUNCTION	2.11	6.00	10.42	5	02:53
6.00						
Structure_-(263)	JUNCTION	1.68	5.46	10.43	5	02:53
5.46						
Structure_-(264)	JUNCTION	1.29	4.99	10.46	5	03:14
4.97						
Structure_-(265)	JUNCTION	0.86	4.34	10.47	5	02:54
4.31						
Structure_-(266)	JUNCTION	0.43	3.71	10.50	5	02:29
3.66						
Structure_-(267)	JUNCTION	0.45	3.70	10.49	5	02:41
3.67						
Structure_-(268)	JUNCTION	0.33	3.21	10.49	5	02:52
3.17						
Structure_-(269)	JUNCTION	0.29	3.00	10.49	5	02:53
2.97						
Structure_-(27)	JUNCTION	5.28	7.73	20.91	13	00:58
7.73						
Structure_-(270)	JUNCTION	0.29	3.06	10.49	5	03:14
3.04						
Structure_-(273)	JUNCTION	0.07	0.30	11.43	4	17:00

0.30							
Structure_-(274)	JUNCTION	0.06	0.32	10.96	4	17:00	
0.32							
Structure_-(275)	JUNCTION	0.06	0.31	10.77	4	17:00	
0.31							
Structure_-(276)	JUNCTION	0.11	1.20	10.47	5	02:39	
1.20							
Structure_-(277)	JUNCTION	0.22	2.07	10.46	5	02:44	
2.07							
Structure_-(278)	JUNCTION	0.28	2.80	10.47	5	02:37	
2.80							
Structure_-(28)	JUNCTION	5.14	7.53	20.59	13	01:09	
7.53							
Structure_-(287)	JUNCTION	1.68	1.90	12.36	4	17:00	
1.90							
Structure_-(288)	JUNCTION	0.91	1.13	12.36	4	17:00	
1.13							
Structure_-(29)	JUNCTION	5.06	7.40	20.39	13	01:15	
7.40							
Structure_-(298)	JUNCTION	0.53	0.67	11.11	4	17:00	
0.67							
Structure_-(3)	JUNCTION	0.42	5.07	12.02	4	18:25	
3.66							
Structure_-(30)	JUNCTION	4.72	6.91	19.61	13	01:34	
6.91							
Structure_-(305)	JUNCTION	1.72	1.87	12.55	4	17:00	
1.87							
Structure_-(306)	JUNCTION	0.68	0.82	12.56	4	17:00	
0.82							
Structure_-(31)	JUNCTION	3.80	5.57	17.50	5	15:19	
5.57							
Structure_-(319)	JUNCTION	0.20	1.26	7.57	4	17:00	
1.26							
Structure_-(32)	JUNCTION	3.33	4.91	16.45	5	14:50	
4.91							
Structure_-(320)	JUNCTION	0.23	1.24	7.40	4	17:00	
1.24							
Structure_-(325)	JUNCTION	1.08	2.19	7.67	4	17:00	
2.18							
Structure_-(326)	JUNCTION	0.08	0.44	7.89	4	17:00	
0.44							
Structure_-(33)	JUNCTION	3.10	4.58	15.92	5	14:40	
4.58							
Structure_-(331)	JUNCTION	0.89	3.20	11.25	4	16:02	
2.70							
Structure_-(332)	JUNCTION	1.03	3.17	11.22	4	16:46	
2.07							
Structure_-(333)	JUNCTION	0.76	1.02	7.74	4	17:00	
1.02							
Structure_-(34)	JUNCTION	2.18	3.31	13.89	5	10:26	
3.31							
Structure_-(341)	JUNCTION	2.11	2.45	8.89	4	17:00	
2.45							

Structure_-(35)	JUNCTION	0.66	1.63	10.91	5	02:51
1.63						
Structure_-(37)	JUNCTION	0.31	1.66	10.47	5	02:39
1.66						
Structure_-(370)	JUNCTION	0.18	2.23	10.47	5	02:44
2.21						
Structure_-(371)	JUNCTION	0.15	2.06	10.47	5	02:44
2.04						
Structure_-(372)	JUNCTION	0.03	0.17	10.65	4	17:01
0.17						
Structure_-(373)	JUNCTION	0.17	2.30	10.45	5	02:44
2.27						
Structure_-(374)	JUNCTION	0.10	1.55	10.49	5	03:11
1.52						
Structure_-(375)	JUNCTION	0.14	1.85	10.49	5	03:11
1.82						
Structure_-(376)	JUNCTION	0.18	2.08	10.48	5	03:11
2.05						
Structure_-(377)	JUNCTION	0.22	2.38	10.48	5	03:00
2.35						
Structure_-(378)	JUNCTION	0.25	2.73	10.46	5	03:00
2.71						
Structure_-(379)	JUNCTION	4.50	8.16	10.47	5	03:00
8.14						
Structure_-(38)	JUNCTION	0.35	1.95	10.47	5	02:38
1.95						
Structure_-(380)	JUNCTION	3.68	7.32	10.45	5	03:00
7.31						
Structure_-(381)	JUNCTION	3.85	7.49	10.44	5	03:01
7.48						
Structure_-(389)	JUNCTION	0.00	0.00	11.23	0	00:00
0.00						
Structure_-(39)	JUNCTION	0.36	2.06	10.47	5	02:38
2.06						
Structure_-(390)	JUNCTION	0.00	0.00	11.23	0	00:00
0.00						
Structure_-(391)	JUNCTION	0.04	0.18	10.93	4	17:00
0.18						
Structure_-(392)	JUNCTION	0.47	3.80	10.54	5	03:20
3.77						
Structure_-(393)	JUNCTION	1.22	4.74	10.54	5	03:37
4.71						
Structure_-(394)	JUNCTION	2.81	6.49	10.54	5	04:01
6.47						
Structure_-(395)	JUNCTION	4.57	8.23	10.52	5	03:38
8.22						
Structure_-(396)	JUNCTION	0.04	0.19	11.81	4	17:00
0.19						
Structure_-(397)	JUNCTION	0.12	1.72	10.52	5	03:21
1.71						
Structure_-(398)	JUNCTION	0.49	3.85	10.55	5	03:48
3.82						
Structure_-(399)	JUNCTION	0.33	3.16	10.54	5	03:21

3.13							
Structure_-(4)	JUNCTION	0.49	5.17	11.86	4	18:32	
3.81							
Structure_-(40)	JUNCTION	0.29	2.24	10.47	5	02:38	
2.24							
Structure_-(400)	JUNCTION	0.27	2.64	10.54	5	03:36	
2.61							
Structure_-(401)	JUNCTION	0.07	0.80	10.50	5	03:40	
0.80							
Structure_-(404)	JUNCTION	0.04	0.20	11.24	4	17:00	
0.20							
Structure_-(405)	JUNCTION	0.03	0.13	11.97	4	17:00	
0.13							
Structure_-(407)	JUNCTION	0.12	1.74	10.54	5	03:47	
1.71							
Structure_-(408)	JUNCTION	0.16	1.02	10.49	5	02:39	
1.02							
Structure_-(41)	JUNCTION	0.94	6.99	13.03	4	18:14	
5.16							
Structure_-(42)	JUNCTION	0.95	6.84	12.84	4	18:14	
5.16							
Structure_-(426)	JUNCTION	0.70	4.13	10.49	5	03:12	
4.11							
Structure_-(427)	JUNCTION	2.00	5.26	10.48	5	03:12	
5.25							
Structure_-(43)	JUNCTION	1.34	6.32	11.78	4	19:00	
5.01							
Structure_-(431)	JUNCTION	0.54	1.32	-4.05	5	15:00	
1.32							
Structure_-(432)	JUNCTION	0.52	1.25	-3.78	5	15:00	
1.25							
Structure_-(433)	JUNCTION	0.52	1.23	-3.48	5	15:00	
1.23							
Structure_-(434)	JUNCTION	0.42	1.00	-2.55	5	15:01	
1.00							
Structure_-(435)	JUNCTION	0.46	1.07	-2.47	5	15:01	
1.07							
Structure_-(44)	JUNCTION	1.51	5.28	10.50	5	02:38	
5.26							
Structure_-(446)	JUNCTION	8.85	23.35	33.32	5	05:24	
23.35							
Structure_-(447)	JUNCTION	8.63	21.62	31.22	5	05:25	
21.62							
Structure_-(448)	JUNCTION	8.41	20.02	29.31	5	05:26	
20.02							
Structure_-(449)	JUNCTION	7.94	13.28	20.58	5	05:27	
13.28							
Structure_-(45)	JUNCTION	1.53	5.29	10.47	5	02:38	
5.29							
Structure_-(450)	JUNCTION	7.47	10.06	16.76	5	05:27	
10.06							
Structure_-(451)	JUNCTION	7.46	9.53	16.03	5	05:02	
9.53							



Structure_-(453)	JUNCTION	2.49	6.46	10.41	5	03:03
6.46						
Structure_-(454)	JUNCTION	2.50	6.47	10.41	5	03:03
6.47						
Structure_-(455)	JUNCTION	2.51	6.48	10.41	5	03:03
6.48						
Structure_-(456)	JUNCTION	2.70	6.70	10.43	5	02:58
6.69						
Structure_-(457)	JUNCTION	2.80	6.80	10.43	5	02:58
6.79						
Structure_-(458)	JUNCTION	3.03	7.04	10.44	5	03:00
7.02						
Structure_-(459)	JUNCTION	14.59	35.22	41.89	5	05:16
35.22						
Structure_-(46)	JUNCTION	1.57	5.36	10.47	5	02:38
5.36						
Structure_-(460)	JUNCTION	14.46	34.64	41.27	5	05:16
34.64						
Structure_-(461)	JUNCTION	14.56	33.51	39.54	5	05:19
33.51						
Structure_-(462)	JUNCTION	14.45	32.77	38.65	5	05:19
32.77						
Structure_-(463)	JUNCTION	14.86	29.79	33.92	5	05:24
29.79						
Structure_-(469)	JUNCTION	2.87	6.94	10.43	5	03:00
6.93						
Structure_-(47)	JUNCTION	1.93	5.85	10.50	5	02:37
5.83						
Structure_-(470)	JUNCTION	0.34	3.41	10.51	5	03:14
3.36						
Structure_-(471)	JUNCTION	0.33	3.24	10.51	5	03:14
3.19						
Structure_-(472)	JUNCTION	0.30	3.13	10.53	5	03:14
3.09						
Structure_-(473)	JUNCTION	0.28	3.04	10.53	5	03:14
2.98						
Structure_-(475)	JUNCTION	3.75	7.41	10.49	5	03:16
7.37						
Structure_-(476)	JUNCTION	3.86	7.52	10.49	5	03:14
7.51						
Structure_-(477)	JUNCTION	4.18	7.84	10.49	5	03:02
7.80						
Structure_-(478)	JUNCTION	4.51	8.15	10.47	5	03:15
8.14						
Structure_-(481)	JUNCTION	2.45	6.42	10.42	5	02:43
6.42						
Structure_-(482)	JUNCTION	2.40	6.37	10.42	5	02:44
6.37						
Structure_-(483)	JUNCTION	2.35	6.32	10.42	5	02:44
6.32						
Structure_-(484)	JUNCTION	2.25	6.20	10.42	5	02:44
6.20						
Structure_-(485)	JUNCTION	2.22	6.17	10.42	5	02:44

6.17	Structure_-(487)	JUNCTION	4.05	7.70	10.48	5	03:18
7.67	Structure_-(489)	JUNCTION	4.14	7.81	10.55	5	04:37
7.81	Structure_-(490)	JUNCTION	0.91	1.14	12.38	4	17:00
1.14	Structure_-(495)	JUNCTION	0.09	0.48	10.52	4	17:00
0.48	Structure_-(5)	JUNCTION	0.65	5.23	11.60	4	18:32
4.14	Structure_-(50)	JUNCTION	2.31	6.30	10.50	5	02:40
6.28	Structure_-(502)	JUNCTION	0.14	2.00	10.46	5	03:11
1.98	Structure_-(503)	JUNCTION	1.90	5.79	10.50	5	02:32
5.77	Structure_-(51)	JUNCTION	2.55	6.55	10.49	5	02:47
6.52	Structure_-(52)	JUNCTION	2.77	6.77	10.49	5	03:08
6.74	Structure_-(53)	JUNCTION	2.77	6.76	10.47	5	03:00
6.74	Structure_-(54)	JUNCTION	2.53	6.53	10.46	5	03:01
6.51	Structure_-(56)	JUNCTION	0.27	1.39	10.47	5	02:39
1.39	Structure_-(57)	JUNCTION	0.16	1.18	10.47	5	02:39
1.18	Structure_-(58)	JUNCTION	0.14	1.09	10.48	5	02:37
1.09	Structure_-(59)	JUNCTION	0.12	0.78	10.48	5	02:37
0.78	Structure_-(6)	JUNCTION	1.11	5.02	10.72	4	18:32
4.78	Structure_-(60)	JUNCTION	0.11	0.66	10.48	5	02:38
0.66	Structure_-(61)	JUNCTION	0.09	0.56	10.48	5	02:41
0.56	Structure_-(62)	JUNCTION	0.08	0.47	10.49	5	02:41
0.47	Structure_-(63)	JUNCTION	0.06	0.31	10.58	4	17:00
0.31	Structure_-(7)	JUNCTION	1.36	5.25	10.60	4	18:25
5.14	Structure_-(70)	JUNCTION	0.25	2.35	11.24	5	04:36
1.65	Structure_-(71)	JUNCTION	0.08	0.47	10.47	5	02:39
0.46	Structure_-(72)	JUNCTION	0.12	0.59	10.65	4	17:01
0.59	Structure_-(73)	JUNCTION	0.11	0.60	10.93	4	17:01
0.60							

Structure_-(74)	JUNCTION	0.10	0.55	11.12	4	17:01
0.55						
Structure_-(75)	JUNCTION	0.09	0.49	11.30	4	17:00
0.49						
Structure_-(76)	JUNCTION	0.08	0.42	11.47	4	17:00
0.42						
Structure_-(77)	JUNCTION	0.07	0.34	11.63	4	17:00
0.34						
Structure_-(78)	JUNCTION	0.05	0.26	11.79	4	17:00
0.26						
Structure_-(79)	JUNCTION	0.20	1.75	10.47	5	02:38
1.75						
Structure_-(8)	JUNCTION	1.56	5.43	10.53	5	02:32
5.39						
Structure_-(80)	JUNCTION	0.16	1.46	10.47	5	02:39
1.46						
Structure_-(81)	JUNCTION	0.13	1.23	10.48	5	02:39
1.22						
Structure_-(82)	JUNCTION	0.11	0.99	10.48	5	02:40
0.99						
Structure_-(83)	JUNCTION	0.09	0.75	10.48	5	02:42
0.74						
Structure_-(84)	JUNCTION	0.06	0.51	10.48	5	02:40
0.51						
Structure_-(85)	JUNCTION	0.04	0.27	10.48	5	02:41
0.27						
Structure_-(86)	JUNCTION	1.22	3.18	10.48	5	02:41
3.17						
Structure_-(87)	JUNCTION	1.14	3.44	10.83	4	18:15
3.11						
Structure_-(88)	JUNCTION	0.96	4.99	12.56	4	18:14
2.94						
Structure_-(89)	JUNCTION	0.87	5.00	12.65	4	18:14
2.85						
Structure_-(9)	JUNCTION	1.81	5.69	10.51	5	02:26
5.66						
Structure_-(90)	JUNCTION	0.74	5.00	12.79	4	16:37
3.36						
Structure_-(92)	JUNCTION	0.15	1.59	10.49	5	02:41
1.59						
Structure_-(93)	JUNCTION	0.16	1.23	10.49	5	02:38
1.23						
Structure_-(94)	JUNCTION	0.14	1.06	10.49	5	02:41
1.06						
Structure_-(95)	JUNCTION	0.16	1.04	10.49	5	02:39
1.04						
Structure_-(96)	JUNCTION	0.13	0.90	10.50	5	02:22
0.90						
Structure_-(97)	JUNCTION	0.10	0.55	10.50	5	02:18
0.55						
Structure_-(98)	JUNCTION	0.09	0.46	10.59	4	17:00
0.46						
Structure_-(99)	JUNCTION	0.06	0.34	10.66	4	17:00

0.34	Structure520	JUNCTION	2.54	6.06	10.43	5	03:04
6.06	Structure521	JUNCTION	1.15	2.57	4.30	4	17:04
2.57	Structure522	JUNCTION	0.79	2.22	4.30	4	17:04
2.22	Structure587	JUNCTION	4.47	8.08	10.45	5	03:12
8.08	Structure593	JUNCTION	4.48	8.10	10.45	5	03:12
8.10	Structure602	JUNCTION	1.93	5.79	10.47	5	02:37
5.79	5_Dummy_Outlet	OUTFALL	0.00	0.00	0.00	0	00:00
0.00	C_Dummy_Outlet	OUTFALL	0.00	0.00	0.00	0	00:00
0.00	D_Dummy_Outlet	OUTFALL	0.00	0.00	0.00	0	00:00
0.00	E_Dummy_Outlet	OUTFALL	0.00	0.00	0.00	0	00:00
0.00	F_Dummy_Outlet	OUTFALL	0.00	0.00	0.00	0	00:00
0.00	G_Dummy_Outlet	OUTFALL	0.00	0.00	0.00	0	00:00
0.00	H_Dummy_Outlet	OUTFALL	0.00	0.00	0.00	0	00:00
0.00	Outfall_002A	OUTFALL	0.34	0.79	-14.08	5	15:00
0.79	Outfall003	OUTFALL	0.39	1.55	-1.45	4	17:11
1.55	Facility77_Inlet	STORAGE	14.03	18.48	10.43	5	03:00
18.48	PSC_Sump	STORAGE	7.37	15.33	15.83	5	05:02
15.33	RetenionPond	STORAGE	7.45	9.50	16.00	5	05:02
9.50							

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Node Inflow Summary  
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Total	Flow		Maximum	Maximum		Lateral
Inflow	Balance		Lateral	Total	Time of Max	Inflow
Volume	Error		Inflow	Inflow	Occurrence	Volume
Node	Type		CFS	CFS	days hr:min	10^6 gal

10<sup>6</sup> gal      Percent

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CB19		JUNCTION	1.55	1.55	4	17:00	0.82
0.82	0.001						
CB22		JUNCTION	0.16	10.54	4	17:00	0.082
5.58	0.001						
CB30		JUNCTION	0.16	1.71	4	17:00	0.082
0.902	0.022						
CB31		JUNCTION	1.55	1.55	4	17:00	0.82
0.82	0.001						
CB33		JUNCTION	1.55	1.55	4	17:00	0.82
0.82	0.001						
Culvert_Ditch11		JUNCTION	0.00	2.92	4	18:44	0
3.62	-0.485						
Culvert_Ditch12		JUNCTION	0.00	8.02	5	03:59	0
4.49	0.267						
Culvert_Ditch12a		JUNCTION	0.00	17.86	10	20:59	0
4.5	0.317						
Culvert_Ditch12b		JUNCTION	0.00	35.68	11	07:20	0
4.24	11.806						
Culvert_Ditch12c		JUNCTION	0.00	18.02	11	07:22	0
3.59	0.977						
Ditch1_2		JUNCTION	0.00	6.96	10	13:13	0
4.39	8.887						
Ditch10_Inlet		JUNCTION	1.09	24.82	5	02:11	1.21
4.07	0.540						
Ditch11_12		JUNCTION	0.55	3.20	4	18:44	0.607
4.13	1.008						
Ditch12_18		JUNCTION	0.55	4.32	11	07:33	0.607
3.49	0.839						
Ditch14_15		JUNCTION	0.93	4.28	4	17:00	0.492
2.3	0.683						
Ditch15_16		JUNCTION	0.93	5.10	4	17:03	0.492
2.77	0.013						
Ditch16_17		JUNCTION	0.93	5.99	4	17:05	0.492
3.26	0.001						
Ditch17_5_6		JUNCTION	0.31	24.27	4	17:06	0.164
12.9	0.064						
Ditch2_3		JUNCTION	4.07	57.84	0	00:03	4.63
14.8	3.615						
Ditch3_Out		JUNCTION	0.00	154.70	0	00:01	0
17.8	0.966						
Ditch4_Berm		JUNCTION	0.00	16.73	4	23:54	0
15.5	0.289						
Ditch4_In		JUNCTION	9.23	10.89	4	16:59	14.1
14.2	0.072						
Ditch4_Out		JUNCTION	0.00	294.51	0	00:00	0
34.1	0.744						
Ditch5_Inlet		JUNCTION	0.31	23.73	4	17:01	0.164
9.5	-0.003						
Ditch6_7		JUNCTION	0.31	24.18	4	17:10	0.164

13.1	0.027							
Ditch7_8		JUNCTION	6.21	29.95	4	17:11		3.28
16.4	0.001							
Ditch9_10_11		JUNCTION	1.09	28.70	11	22:37		1.21
8.28	40.704							
Ditch9_Inlet		JUNCTION	2.19	2.19	4	17:00		2.43
2.43	-0.059							
Facility77_PS		JUNCTION	0.00	37.49	4	16:46		0
59	0.005							
PS004		JUNCTION	0.00	3.66	11	04:42		0
3.17	0.814							
PSC_Outlet		JUNCTION	0.00	13.37	4	04:11		0
46.3	-0.023							
SDCB294		JUNCTION	1.55	1.55	4	17:00		0.82
0.82	0.006							
SDCB541		JUNCTION	0.16	1.86	4	17:00		0.082
0.984	0.005							
SDCB543		JUNCTION	0.16	1.71	4	17:00		0.082
0.902	0.007							
SDCB6003		JUNCTION	0.16	14.72	4	17:00		0.082
7.79	0.001							
SDCB6005		JUNCTION	0.62	0.62	4	17:00		0.328
0.328	0.084							
SDMH297		JUNCTION	0.31	18.61	4	17:06		0.164
9.27	0.003							
SDMH299		JUNCTION	0.31	3.75	4	17:17		0.164
1.32	0.023							
SDMH301		JUNCTION	0.16	19.29	4	17:08		0.082
9.34	0.012							
SDMH538		JUNCTION	1.55	1.55	4	17:00		0.82
0.82	0.012							
SDMH539		JUNCTION	0.16	13.95	4	17:00		0.082
7.38	0.001							
SDMH540		JUNCTION	0.16	1.71	4	17:00		0.082
0.902	0.007							
Structure_-(1)		JUNCTION	0.49	0.49	4	17:00		0.255
0.256	0.030							
Structure_-(10)		JUNCTION	0.20	4.24	7	02:41		0.102
3.22	0.245							
Structure_-(100)		JUNCTION	0.20	0.39	4	17:00		0.102
0.204	0.001							
Structure_-(101)		JUNCTION	0.20	0.20	4	17:00		0.102
0.102	0.001							
Structure_-(102)		JUNCTION	0.29	0.29	4	17:00		0.153
0.153	0.001							
Structure_-(123)		JUNCTION	0.20	4.60	4	16:47		0.102
1.45	-0.004							
Structure_-(124)		JUNCTION	0.20	1.85	4	17:00		0.102
0.979	0.007							
Structure_-(125)		JUNCTION	0.20	1.65	4	17:00		0.102
0.868	-0.004							
Structure_-(126)		JUNCTION	0.20	0.68	4	17:00		0.102
0.358	0.001							

Structure_-(128)	JUNCTION	0.20	0.49	4	17:00	0.102
0.255	0.001					
Structure_-(129)	JUNCTION	0.29	0.29	4	17:00	0.153
0.153	0.001					
Structure_-(130)	JUNCTION	0.20	0.68	4	17:00	0.102
0.358	0.019					
Structure_-(131)	JUNCTION	0.20	0.49	4	17:00	0.102
0.255	0.001					
Structure_-(132)	JUNCTION	0.29	0.29	4	17:00	0.153
0.153	0.001					
Structure_-(133)	JUNCTION	0.20	0.78	4	17:00	0.102
0.409	-0.001					
Structure_-(134)	JUNCTION	0.29	0.29	4	17:00	0.153
0.153	0.016					
Structure_-(136)	JUNCTION	0.29	0.29	4	17:00	0.153
0.153	0.054					
Structure_-(139)	JUNCTION	0.20	1.42	9	18:16	0.102
0.717	0.153					
Structure_-(140)	JUNCTION	0.20	1.04	4	16:52	0.102
0.525	0.028					
Structure_-(141)	JUNCTION	0.20	0.84	4	16:52	0.102
0.42	0.092					
Structure_-(142)	JUNCTION	0.20	0.64	4	16:52	0.102
0.318	-0.031					
Structure_-(143)	JUNCTION	0.20	1.21	4	12:47	0.102
0.232	0.204					
Structure_-(144)	JUNCTION	0.20	1.03	4	12:47	0.102
0.123	-0.222					
Structure_-(161)	JUNCTION	0.20	0.53	5	17:36	0.102
0.12	-0.383					
Structure_-(162)	JUNCTION	0.20	0.66	10	01:26	0.102
0.278	0.439					
Structure_-(163)	JUNCTION	0.20	1.04	11	06:12	0.102
0.459	0.492					
Structure_-(164)	JUNCTION	0.20	1.17	5	17:36	0.102
0.659	0.452					
Structure_-(165)	JUNCTION	0.20	1.16	7	02:21	0.102
0.87	0.326					
Structure_-(166)	JUNCTION	0.20	2.12	4	16:48	0.102
1.09	0.271					
Structure_-(167)	JUNCTION	0.20	2.76	4	16:48	0.102
1.32	0.228					
Structure_-(168)	JUNCTION	0.20	3.07	4	16:48	0.102
1.56	0.339					
Structure_-(169)	JUNCTION	0.20	3.53	4	16:47	0.102
1.8	0.226					
Structure_-(170)	JUNCTION	0.20	9.50	9	07:14	0.102
2.05	0.068					
Structure_-(171)	JUNCTION	0.00	21.04	9	07:14	0
14.3	0.204					
Structure_-(172)	JUNCTION	0.00	174.94	4	06:49	0
17.3	0.077					
Structure_-(173)	JUNCTION	0.00	7.47	4	16:47	0

5.2	0.125							
Structure_-(174)		JUNCTION	0.00	6.88	9	23:05		0
3.33	0.163							
Structure_-(175)		JUNCTION	0.00	1.42	7	02:05		0
1.19	0.184							
Structure_-(176)		JUNCTION	0.20	1.42	7	02:05		0.102
1.13	0.508							
Structure_-(177)		JUNCTION	0.20	1.07	7	02:06		0.102
0.906	0.197							
Structure_-(178)		JUNCTION	0.20	0.78	4	16:59		0.102
0.68	0.428							
Structure_-(179)		JUNCTION	0.20	0.79	11	06:12		0.102
0.474	0.494							
Structure_-(180)		JUNCTION	0.20	0.55	7	02:41		0.102
0.288	0.968							
Structure_-(181)		JUNCTION	0.20	0.31	10	13:04		0.102
0.124	0.069							
Structure_-(19)		JUNCTION	0.00	0.36	4	16:42		0
0.0415	1.633							
Structure_-(2)		JUNCTION	0.49	1.03	4	16:55		0.255
0.512	-0.006							
Structure_-(20)		JUNCTION	0.00	0.91	7	02:43		0
0.229	1.036							
Structure_-(205)		JUNCTION	0.20	5.87	9	23:05		0.102
2.14	-0.115							
Structure_-(206)		JUNCTION	0.20	2.82	4	16:48		0.102
1.79	0.255							
Structure_-(207)		JUNCTION	0.20	2.48	4	16:48		0.102
1.55	0.272							
Structure_-(208)		JUNCTION	0.20	2.30	4	16:49		0.102
1.31	0.227							
Structure_-(209)		JUNCTION	0.20	1.75	4	16:49		0.102
1.08	0.270							
Structure_-(21)		JUNCTION	0.20	0.27	7	02:44		0.102
0.123	0.427							
Structure_-(210)		JUNCTION	0.20	1.44	11	06:12		0.102
0.863	0.339							
Structure_-(211)		JUNCTION	0.20	1.38	11	06:12		0.102
0.652	0.457							
Structure_-(212)		JUNCTION	0.20	1.44	11	06:12		0.102
0.451	0.512							
Structure_-(213)		JUNCTION	0.20	0.57	7	02:50		0.102
0.272	0.377							
Structure_-(214)		JUNCTION	0.20	0.24	4	10:06		0.102
0.118	-0.348							
Structure_-(215)		JUNCTION	0.20	3.40	4	16:47		0.102
2.01	-0.166							
Structure_-(216)		JUNCTION	0.20	3.17	4	16:48		0.102
1.85	0.180							
Structure_-(217)		JUNCTION	0.20	2.86	4	16:48		0.102
1.61	0.315							
Structure_-(218)		JUNCTION	0.20	2.58	4	16:48		0.102
1.35	0.295							



Structure_-(219)	JUNCTION	0.20	1.70	4	16:48	0.102
1.12 0.243						
Structure_-(220)	JUNCTION	0.20	1.67	7	02:49	0.102
0.904 0.299						
Structure_-(221)	JUNCTION	0.20	1.66	7	02:49	0.102
0.693 0.487						
Structure_-(222)	JUNCTION	0.20	1.40	7	02:49	0.102
0.479 0.512						
Structure_-(223)	JUNCTION	0.20	0.66	4	23:06	0.102
0.294 0.404						
Structure_-(23)	JUNCTION	0.00	1.36	1	02:50	0
3.05 0.001						
Structure_-(230)	JUNCTION	0.00	16.12	12	12:52	0
6.59 0.141						
Structure_-(231)	JUNCTION	0.00	14.27	9	18:25	0
4.14 0.162						
Structure_-(232)	JUNCTION	0.00	2.81	7	01:55	0
1.94 0.238						
Structure_-(233)	JUNCTION	0.20	2.46	4	16:48	0.102
1.8 0.276						
Structure_-(234)	JUNCTION	0.20	2.18	4	16:48	0.102
1.54 0.179						
Structure_-(235)	JUNCTION	0.20	1.99	4	16:49	0.102
1.3 0.243						
Structure_-(236)	JUNCTION	0.20	1.48	4	16:49	0.102
1.06 0.265						
Structure_-(237)	JUNCTION	0.20	1.28	7	02:21	0.102
0.844 0.348						
Structure_-(238)	JUNCTION	0.20	1.03	10	19:53	0.102
0.628 0.477						
Structure_-(239)	JUNCTION	0.00	1.01	10	19:53	0
0.414 0.524						
Structure_-(24)	JUNCTION	0.00	0.49	4	19:16	0
3.03 0.002						
Structure_-(240)	JUNCTION	0.20	0.55	7	02:58	0.102
0.312 0.307						
Structure_-(241)	JUNCTION	0.20	0.24	4	10:07	0.102
0.13 -0.410						
Structure_-(242)	JUNCTION	0.62	3.41	4	17:00	0.328
1.98 0.035						
Structure_-(243)	JUNCTION	0.93	2.79	4	17:00	0.492
1.89 -0.082						
Structure_-(244)	JUNCTION	0.93	1.86	4	17:00	0.492
1.23 0.042						
Structure_-(245)	JUNCTION	0.93	0.93	4	17:00	0.492
0.492 0.004						
Structure_-(246)	JUNCTION	0.20	10.25	9	18:25	0.102
2.14 -0.039						
Structure_-(247)	JUNCTION	0.20	2.77	4	16:48	0.102
1.87 0.268						
Structure_-(248)	JUNCTION	0.20	2.45	4	16:48	0.102
1.62 0.230						
Structure_-(249)	JUNCTION	0.20	2.27	4	16:49	0.102

1.37	0.232						
Structure_--(25)		JUNCTION	0.00	0.49	1	03:57	0
3.03	0.005						
Structure_--(250)		JUNCTION	0.20	1.73	4	16:49	0.102
1.14	0.251						
Structure_--(251)		JUNCTION	0.20	1.35	11	01:00	0.102
0.914	0.312						
Structure_--(252)		JUNCTION	0.20	1.29	8	14:27	0.102
0.699	0.418						
Structure_--(253)		JUNCTION	0.20	1.39	8	14:27	0.102
0.494	0.482						
Structure_--(254)		JUNCTION	0.20	0.54	7	02:51	0.102
0.301	0.364						
Structure_--(255)		JUNCTION	0.20	0.34	5	17:36	0.102
0.127	-0.418						
Structure_--(256)		JUNCTION	0.20	10.29	11	16:26	0.102
2.46	-0.016						
Structure_--(257)		JUNCTION	0.20	3.87	4	16:48	0.102
2.22	0.250						
Structure_--(258)		JUNCTION	0.20	3.53	4	16:48	0.102
1.97	0.101						
Structure_--(259)		JUNCTION	0.20	3.19	4	16:48	0.102
1.72	0.233						
Structure_--(26)		JUNCTION	0.00	0.47	4	20:34	0
3.02	0.015						
Structure_--(260)		JUNCTION	0.20	2.68	4	16:49	0.102
1.49	0.196						
Structure_--(261)		JUNCTION	0.20	1.94	4	16:49	0.102
1.29	0.211						
Structure_--(262)		JUNCTION	0.20	1.76	4	16:49	0.102
1.08	0.315						
Structure_--(263)		JUNCTION	0.20	1.57	10	19:54	0.102
0.877	0.280						
Structure_--(264)		JUNCTION	0.20	1.29	4	16:49	0.102
0.708	0.195						
Structure_--(265)		JUNCTION	0.20	1.11	4	16:49	0.102
0.572	0.038						
Structure_--(266)		JUNCTION	0.20	0.90	4	16:49	0.102
0.462	0.030						
Structure_--(267)		JUNCTION	0.00	0.71	4	16:49	0
0.359	-0.012						
Structure_--(268)		JUNCTION	0.29	0.49	4	16:59	0.153
0.256	0.006						
Structure_--(269)		JUNCTION	0.20	0.20	4	17:00	0.102
0.102	-0.014						
Structure_--(27)		JUNCTION	0.00	0.46	4	22:19	0
3.01	0.008						
Structure_--(270)		JUNCTION	0.20	0.20	4	17:00	0.102
0.103	-0.020						
Structure_--(273)		JUNCTION	0.29	0.29	4	17:00	0.153
0.153	0.007						
Structure_--(274)		JUNCTION	0.20	0.49	4	17:00	0.102
0.255	0.001						

Structure_-(275)	JUNCTION	0.20	0.68	4	17:00	0.102
0.358	0.018					
Structure_-(276)	JUNCTION	0.20	1.17	4	17:00	0.102
0.616	0.024					
Structure_-(277)	JUNCTION	0.20	4.55	4	18:21	0.102
1.52	0.009					
Structure_-(278)	JUNCTION	0.20	7.41	4	16:40	0.102
1.64	-0.048					
Structure_-(28)	JUNCTION	0.00	0.46	12	21:04	0
3	0.002					
Structure_-(287)	JUNCTION	0.20	0.97	4	17:00	0.102
0.51	0.240					
Structure_-(288)	JUNCTION	0.29	0.29	4	17:00	0.153
0.153	0.184					
Structure_-(29)	JUNCTION	0.00	0.46	12	21:31	0
3	0.005					
Structure_-(298)	JUNCTION	0.29	0.29	4	17:00	0.153
0.153	0.012					
Structure_-(3)	JUNCTION	0.49	1.56	4	16:55	0.255
0.767	0.006					
Structure_-(30)	JUNCTION	0.00	0.46	12	22:11	0
2.99	0.013					
Structure_-(305)	JUNCTION	0.20	0.49	4	17:00	0.102
0.255	0.286					
Structure_-(306)	JUNCTION	0.29	0.29	4	17:00	0.153
0.153	0.221					
Structure_-(31)	JUNCTION	0.00	0.46	12	23:16	0
2.98	0.013					
Structure_-(319)	JUNCTION	0.16	4.96	4	17:00	0.082
2.62	0.002					
Structure_-(32)	JUNCTION	0.00	0.46	13	00:16	0
2.98	0.007					
Structure_-(320)	JUNCTION	0.16	6.66	4	17:00	0.082
3.53	0.001					
Structure_-(325)	JUNCTION	0.16	1.71	4	17:00	0.082
0.902	0.014					
Structure_-(326)	JUNCTION	1.55	1.55	4	17:00	0.82
0.82	0.000					
Structure_-(33)	JUNCTION	0.00	0.46	5	19:19	0
2.97	0.012					
Structure_-(331)	JUNCTION	1.55	1.55	4	17:00	0.82
0.82	0.010					
Structure_-(332)	JUNCTION	1.55	1.55	4	17:00	0.82
0.82	0.011					
Structure_-(333)	JUNCTION	0.16	1.86	4	17:00	0.082
0.984	0.023					
Structure_-(34)	JUNCTION	0.00	0.46	5	18:53	0
2.97	0.025					
Structure_-(341)	JUNCTION	1.55	1.55	4	17:00	0.82
0.82	0.024					
Structure_-(35)	JUNCTION	0.00	0.47	5	18:18	0
2.97	0.019					
Structure_-(37)	JUNCTION	0.20	5.60	4	17:01	0.102

5.73	0.005						
Structure_-(370)	JUNCTION	0.00	1.29	4	16:49	0	
0.115	0.036						
Structure_-(371)	JUNCTION	0.00	0.86	4	16:56	0	
0.109	0.139						
Structure_-(372)	JUNCTION	0.20	0.20	4	17:00	0.102	
0.102	-0.119						
Structure_-(373)	JUNCTION	0.00	1.00	4	16:51	0	
0.114	-0.001						
Structure_-(374)	JUNCTION	0.20	0.20	4	17:00	0.102	
0.103	0.005						
Structure_-(375)	JUNCTION	0.20	0.40	4	17:41	0.102	
0.205	-0.000						
Structure_-(376)	JUNCTION	0.20	0.62	4	16:59	0.102	
0.307	0.001						
Structure_-(377)	JUNCTION	0.20	0.92	4	16:47	0.102	
0.409	0.002						
Structure_-(378)	JUNCTION	0.20	1.30	4	16:47	0.102	
0.511	0.006						
Structure_-(379)	JUNCTION	0.00	22.19	4	16:45	0	
43.7	0.020						
Structure_-(38)	JUNCTION	0.20	7.87	4	16:48	0.102	
6.85	0.005						
Structure_-(380)	JUNCTION	0.00	21.02	4	16:46	0	
43.5	0.015						
Structure_-(381)	JUNCTION	0.00	135.24	5	15:56	0	
43.5	-0.252						
Structure_-(389)	JUNCTION	0.00	0.00	0	00:00	0	
0	0.000 gal						
Structure_-(39)	JUNCTION	0.49	8.72	4	16:49	0.255	
7.12	0.006						
Structure_-(390)	JUNCTION	0.00	0.00	0	00:00	0	
0	0.000 gal						
Structure_-(391)	JUNCTION	0.20	0.39	4	17:00	0.102	
0.204	-0.003						
Structure_-(392)	JUNCTION	0.00	0.39	4	17:00	0	
0.212	0.006						
Structure_-(393)	JUNCTION	0.00	1.75	4	17:00	0	
0.945	0.078						
Structure_-(394)	JUNCTION	0.00	1.97	4	16:48	0	
1.05	0.149						
Structure_-(395)	JUNCTION	3.81	27.22	4	16:47	2.32	
44.4	0.009						
Structure_-(396)	JUNCTION	0.20	0.20	4	17:00	0.102	
0.102	0.001						
Structure_-(397)	JUNCTION	0.20	0.75	4	18:32	0.102	
0.105	-0.019						
Structure_-(398)	JUNCTION	0.20	0.39	4	16:59	0.102	
0.206	0.090						
Structure_-(399)	JUNCTION	0.20	0.20	4	17:00	0.102	
0.102	-0.123						
Structure_-(4)	JUNCTION	0.49	2.04	4	16:55	0.255	
1.02	0.020						

Structure_-(40)	JUNCTION	0.49	12.60	4	18:22	0.255
7.55 0.014						
Structure_-(400)	JUNCTION	0.20	0.78	4	17:00	0.102
0.409 -0.008						
Structure_-(401)	JUNCTION	0.20	0.58	4	17:00	0.102
0.306 0.011						
Structure_-(404)	JUNCTION	0.20	0.39	4	17:00	0.102
0.204 0.006						
Structure_-(405)	JUNCTION	0.20	0.20	4	17:00	0.102
0.102 0.001						
Structure_-(407)	JUNCTION	0.20	0.33	4	18:36	0.102
0.103 -0.003						
Structure_-(408)	JUNCTION	0.00	2.14	4	17:00	0
1.12 0.001						
Structure_-(41)	JUNCTION	0.49	17.57	4	16:36	0.255
7.84 -0.008						
Structure_-(42)	JUNCTION	0.20	22.05	4	16:32	0.102
11.3 0.008						
Structure_-(426)	JUNCTION	0.20	0.49	11	09:51	0.102
0.215 0.027						
Structure_-(427)	JUNCTION	0.20	0.20	4	17:00	0.102
0.103 0.168						
Structure_-(43)	JUNCTION	0.49	18.25	4	16:48	0.255
11.4 0.023						
Structure_-(431)	JUNCTION	0.00	13.37	5	15:00	0
46.3 0.001						
Structure_-(432)	JUNCTION	0.00	13.37	5	15:00	0
46.3 -0.002						
Structure_-(433)	JUNCTION	0.00	13.37	5	15:01	0
46.3 0.008						
Structure_-(434)	JUNCTION	0.00	13.37	5	15:01	0
46.3 -0.009						
Structure_-(435)	JUNCTION	0.00	13.37	5	15:01	0
46.3 0.036						
Structure_-(44)	JUNCTION	0.49	18.43	4	16:48	0.255
11.7 0.015						
Structure_-(446)	JUNCTION	0.00	21.41	5	02:34	0
59.2 0.001						
Structure_-(447)	JUNCTION	0.00	21.41	5	02:37	0
59.2 0.002						
Structure_-(448)	JUNCTION	0.00	21.40	5	02:40	0
59.2 0.005						
Structure_-(449)	JUNCTION	0.00	22.69	0	00:00	0
59.2 0.006						
Structure_-(45)	JUNCTION	0.20	18.57	4	16:48	0.102
11.8 0.011						
Structure_-(450)	JUNCTION	0.00	47.92	0	00:00	0
59.2 0.002						
Structure_-(451)	JUNCTION	0.00	303.74	0	00:00	0
59.2 0.000						
Structure_-(453)	JUNCTION	0.00	1.49	4	10:07	0
0.162 6.685						
Structure_-(454)	JUNCTION	0.00	1.49	4	10:02	0

0.179	-1.361						
Structure_--(455)		JUNCTION	0.00	1.55	4	10:02	0
0.186	1.431						
Structure_--(456)		JUNCTION	0.00	1.94	4	16:48	0
0.183	-0.033						
Structure_--(457)		JUNCTION	0.00	1.85	4	16:48	0
0.187	1.356						
Structure_--(458)		JUNCTION	0.00	9.28	5	15:56	0
0.282	21.189						
Structure_--(459)		JUNCTION	0.00	22.61	4	16:52	0
59	0.005						
Structure_--(46)		JUNCTION	0.20	18.77	4	16:48	0.102
11.9	0.025						
Structure_--(460)		JUNCTION	0.00	21.87	4	16:55	0
59.1	0.002						
Structure_--(461)		JUNCTION	0.00	21.52	4	17:00	0
59.1	0.002						
Structure_--(462)		JUNCTION	0.00	21.43	5	02:20	0
59.1	0.005						
Structure_--(463)		JUNCTION	0.00	21.42	5	02:28	0
59.1	0.005						
Structure_--(469)		JUNCTION	0.20	33.16	10	12:08	0.102
1.62	0.921						
Structure_--(47)		JUNCTION	0.49	26.66	4	16:47	0.255
17	0.062						
Structure_--(470)		JUNCTION	0.20	2.82	4	16:48	0.102
0.433	0.026						
Structure_--(471)		JUNCTION	0.20	1.88	4	16:48	0.102
0.325	0.082						
Structure_--(472)		JUNCTION	0.20	1.05	4	16:48	0.102
0.213	-0.574						
Structure_--(473)		JUNCTION	0.20	0.51	5	21:45	0.102
0.105	0.919						
Structure_--(475)		JUNCTION	0.20	0.49	0	00:14	0.102
0.104	-0.040						
Structure_--(476)		JUNCTION	0.20	0.60	0	00:08	0.102
0.207	0.682						
Structure_--(477)		JUNCTION	0.20	0.98	0	00:08	0.102
0.41	-0.033						
Structure_--(478)		JUNCTION	0.00	22.94	4	16:45	0
43.5	0.015						
Structure_--(481)		JUNCTION	0.00	1.32	4	11:01	0
0.133	7.584						
Structure_--(482)		JUNCTION	0.00	1.66	4	11:01	0
0.119	0.778						
Structure_--(483)		JUNCTION	0.00	1.18	4	11:01	0
0.122	4.093						
Structure_--(484)		JUNCTION	0.00	1.13	4	11:01	0
0.12	-1.948						
Structure_--(485)		JUNCTION	0.00	0.88	4	11:02	0
0.117	-0.223						
Structure_--(487)		JUNCTION	0.20	0.20	4	17:00	0.102
0.102	-0.085						

Structure_-(489)	JUNCTION	0.20	37.05	0	00:06	0.102
43 0.187						
Structure_-(490)	JUNCTION	0.49	0.49	4	17:00	0.255
0.255 0.127						
Structure_-(495)	JUNCTION	0.00	1.17	4	17:00	0
0.613 0.001						
Structure_-(5)	JUNCTION	0.49	2.66	4	16:55	0.255
1.3 0.061						
Structure_-(50)	JUNCTION	0.49	27.12	4	16:47	0.255
17 0.040						
Structure_-(502)	JUNCTION	0.20	0.41	4	16:41	0.102
0.102 0.033						
Structure_-(503)	JUNCTION	0.20	5.03	7	02:53	0.102
3.6 -0.009						
Structure_-(51)	JUNCTION	0.49	27.61	4	16:47	0.255
17.4 0.051						
Structure_-(52)	JUNCTION	0.20	31.13	4	16:47	0.102
19.2 0.076						
Structure_-(53)	JUNCTION	0.00	32.31	4	16:47	0
20.3 0.080						
Structure_-(54)	JUNCTION	0.00	32.33	4	16:47	0
20.7 0.060						
Structure_-(56)	JUNCTION	0.20	2.79	4	17:00	0.102
4.24 0.006						
Structure_-(57)	JUNCTION	0.29	2.24	4	17:00	0.153
1.17 -0.000						
Structure_-(58)	JUNCTION	0.29	1.95	4	17:00	0.153
1.02 0.003						
Structure_-(59)	JUNCTION	0.29	1.65	4	17:00	0.153
0.868 -0.000						
Structure_-(6)	JUNCTION	0.20	2.87	4	16:42	0.102
1.48 0.172						
Structure_-(60)	JUNCTION	0.29	1.36	4	17:00	0.153
0.715 0.001						
Structure_-(61)	JUNCTION	0.29	1.07	4	17:00	0.153
0.562 0.001						
Structure_-(62)	JUNCTION	0.29	0.78	4	17:00	0.153
0.409 0.002						
Structure_-(63)	JUNCTION	0.49	0.49	4	17:00	0.255
0.255 -0.001						
Structure_-(7)	JUNCTION	0.20	3.05	4	16:42	0.102
1.7 0.150						
Structure_-(70)	JUNCTION	0.29	2.74	4	17:00	0.153
1.38 -0.015						
Structure_-(71)	JUNCTION	0.29	2.63	4	17:00	0.153
1.23 -0.001						
Structure_-(72)	JUNCTION	0.29	2.04	4	17:00	0.153
1.07 0.005						
Structure_-(73)	JUNCTION	0.29	1.75	4	17:00	0.153
0.919 0.001						
Structure_-(74)	JUNCTION	0.29	1.46	4	17:00	0.153
0.766 0.001						
Structure_-(75)	JUNCTION	0.29	1.17	4	17:00	0.153

0.613	0.002						
Structure_-(76)		JUNCTION	0.29	0.88	4	17:00	0.153
0.46	0.002						
Structure_-(77)		JUNCTION	0.29	0.58	4	17:00	0.153
0.306	0.002						
Structure_-(78)		JUNCTION	0.29	0.29	4	17:00	0.153
0.153	0.001						
Structure_-(79)		JUNCTION	0.29	1.98	4	16:49	0.153
1.02	0.002						
Structure_-(8)		JUNCTION	0.20	3.48	4	16:55	0.102
2.31	0.244						
Structure_-(80)		JUNCTION	0.29	1.65	4	16:59	0.153
0.869	0.001						
Structure_-(81)		JUNCTION	0.29	1.36	4	17:00	0.153
0.716	0.001						
Structure_-(82)		JUNCTION	0.29	1.07	4	17:00	0.153
0.562	0.002						
Structure_-(83)		JUNCTION	0.29	0.78	4	17:00	0.153
0.409	0.001						
Structure_-(84)		JUNCTION	0.29	0.49	4	17:00	0.153
0.255	0.001						
Structure_-(85)		JUNCTION	0.20	0.20	4	17:00	0.102
0.102	-0.003						
Structure_-(86)		JUNCTION	0.49	10.39	4	16:36	0.255
3.54	0.006						
Structure_-(87)		JUNCTION	0.49	8.10	4	16:40	0.255
3.26	0.012						
Structure_-(88)		JUNCTION	0.49	7.44	4	16:34	0.255
2.97	-0.048						
Structure_-(89)		JUNCTION	0.49	8.96	4	18:17	0.255
2.72	0.083						
Structure_-(9)		JUNCTION	0.20	3.69	4	16:55	0.102
2.68	0.188						
Structure_-(90)		JUNCTION	0.49	6.54	4	16:43	0.255
2.48	-0.138						
Structure_-(92)		JUNCTION	0.49	4.09	4	17:00	0.255
2.18	0.013						
Structure_-(93)		JUNCTION	0.49	3.60	4	17:00	0.255
1.89	0.000						
Structure_-(94)		JUNCTION	0.49	3.11	4	17:00	0.255
1.63	0.000						
Structure_-(95)		JUNCTION	0.49	2.63	4	17:00	0.255
1.38	0.000						
Structure_-(96)		JUNCTION	0.49	2.14	4	17:00	0.255
1.12	0.002						
Structure_-(97)		JUNCTION	0.49	1.65	4	17:00	0.255
0.868	-0.000						
Structure_-(98)		JUNCTION	0.49	1.17	4	17:00	0.255
0.613	0.001						
Structure_-(99)		JUNCTION	0.00	0.68	4	17:00	0
0.358	0.001						
Structure520		JUNCTION	0.20	0.58	5	17:53	0.102
0.131	0.224						



Structure521	JUNCTION	0.31	1.86	4	17:00	0.164
0.985	0.587					
Structure522	JUNCTION	0.31	2.95	4	16:56	0.164
1.16	0.477					
Structure587	JUNCTION	0.20	23.68	0	00:08	0.102
43.2	0.163					
Structure593	JUNCTION	0.20	23.51	4	16:45	0.102
43.4	0.166					
Structure602	JUNCTION	0.00	9.96	4	16:42	0
5.31	0.221					
5_Dummy_Outlet	OUTFALL	0.00	0.00	0	00:00	0
0	0.000 gal					
C_Dummy_Outlet	OUTFALL	0.00	0.00	0	00:00	0
0	0.000 gal					
D_Dummy_Outlet	OUTFALL	0.00	0.00	0	00:00	0
0	0.000 gal					
E_Dummy_Outlet	OUTFALL	0.00	0.00	0	00:00	0
0	0.000 gal					
F_Dummy_Outlet	OUTFALL	0.00	0.00	0	00:00	0
0	0.000 gal					
G_Dummy_Outlet	OUTFALL	0.00	0.00	0	00:00	0
0	0.000 gal					
H_Dummy_Outlet	OUTFALL	0.00	0.00	0	00:00	0
0	0.000 gal					
Outfall_002A	OUTFALL	0.00	13.37	5	15:00	0
46.3	0.000					
Outfall003	OUTFALL	0.00	29.95	4	17:11	0
16.4	0.000					
Facility77_Inlet	STORAGE	0.00	198.04	5	15:56	0
73.4	0.057					
PSC_Sump	STORAGE	0.00	21.40	7	02:32	0
57.9	0.001					
RetenionPond	STORAGE	0.00	82.49	0	00:00	0
61	0.000					

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#### Node Surcharge Summary

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Surcharging occurs when water rises above the top of the highest conduit.

Node	Type	Hours Surcharged	Max. Height Above Crown Feet	Min. Depth Below Rim Feet
Culvert_Ditch11	JUNCTION	211.21	2.539	0.561
Culvert_Ditch12a	JUNCTION	65.09	0.167	0.833
Culvert_Ditch12b	JUNCTION	206.76	2.111	0.000
Culvert_Ditch12c	JUNCTION	223.78	3.046	0.000
Ditch1_2	JUNCTION	250.46	4.048	0.000
Ditch10_Inlet	JUNCTION	77.11	0.270	2.130
Ditch11_12	JUNCTION	222.17	2.842	0.258

DIitch12_18	JUNCTION	223.47	2.846	0.000
Ditch9_10_11	JUNCTION	155.03	2.403	0.000
Facility77_PS	JUNCTION	334.77	58.821	0.000
PS004	JUNCTION	225.32	3.987	0.000
PSC_Outlet	JUNCTION	140.16	48.250	0.000
SDCB294	JUNCTION	14.06	0.916	4.084
Structure_-_ (1)	JUNCTION	31.78	3.501	0.000
Structure_-_ (10)	JUNCTION	46.11	3.140	3.300
Structure_-_ (124)	JUNCTION	21.03	1.105	5.805
Structure_-_ (139)	JUNCTION	264.20	5.358	1.042
Structure_-_ (140)	JUNCTION	260.94	5.254	0.796
Structure_-_ (141)	JUNCTION	258.24	5.148	0.000
Structure_-_ (142)	JUNCTION	216.46	4.008	0.000
Structure_-_ (143)	JUNCTION	50.61	3.092	1.968
Structure_-_ (144)	JUNCTION	45.80	2.734	1.676
Structure_-_ (161)	JUNCTION	48.13	3.606	0.000
Structure_-_ (162)	JUNCTION	69.07	3.525	0.000
Structure_-_ (163)	JUNCTION	217.06	4.000	0.000
Structure_-_ (164)	JUNCTION	235.77	4.491	0.000
Structure_-_ (165)	JUNCTION	247.68	4.816	0.000
Structure_-_ (166)	JUNCTION	259.50	5.167	0.000
Structure_-_ (167)	JUNCTION	272.00	5.576	0.000
Structure_-_ (168)	JUNCTION	288.02	6.268	0.000
Structure_-_ (169)	JUNCTION	293.79	6.638	0.000
Structure_-_ (170)	JUNCTION	283.09	6.064	1.426
Structure_-_ (171)	JUNCTION	299.48	7.101	1.669
Structure_-_ (172)	JUNCTION	317.04	9.433	0.000
Structure_-_ (173)	JUNCTION	265.37	5.384	0.216
Structure_-_ (174)	JUNCTION	299.72	7.104	0.216
Structure_-_ (175)	JUNCTION	306.13	7.595	5.685
Structure_-_ (176)	JUNCTION	291.35	6.519	4.811
Structure_-_ (177)	JUNCTION	269.04	5.516	3.824
Structure_-_ (178)	JUNCTION	235.41	4.478	0.000
Structure_-_ (179)	JUNCTION	153.03	3.829	0.000
Structure_-_ (180)	JUNCTION	85.98	3.623	3.667
Structure_-_ (181)	JUNCTION	53.36	3.216	4.684
Structure_-_ (19)	JUNCTION	95.33	4.946	2.334
Structure_-_ (2)	JUNCTION	34.41	3.657	0.273
Structure_-_ (20)	JUNCTION	53.18	3.500	0.000
Structure_-_ (205)	JUNCTION	295.44	6.758	0.000
Structure_-_ (206)	JUNCTION	296.53	6.837	0.000
Structure_-_ (207)	JUNCTION	284.36	6.067	0.000
Structure_-_ (208)	JUNCTION	272.04	5.575	0.000
Structure_-_ (209)	JUNCTION	259.50	5.168	0.000
Structure_-_ (21)	JUNCTION	46.96	3.500	0.000
Structure_-_ (210)	JUNCTION	249.44	4.867	0.000
Structure_-_ (211)	JUNCTION	235.74	4.489	0.000
Structure_-_ (212)	JUNCTION	217.10	3.998	0.000
Structure_-_ (213)	JUNCTION	68.94	3.527	0.000
Structure_-_ (214)	JUNCTION	48.18	3.600	0.000
Structure_-_ (215)	JUNCTION	300.69	7.146	0.000
Structure_-_ (216)	JUNCTION	302.88	7.311	0.000
Structure_-_ (217)	JUNCTION	287.86	6.256	0.000

Structure_-(218)	JUNCTION	279.74	5.863	0.000
Structure_-(219)	JUNCTION	253.91	4.996	0.000
Structure_-(220)	JUNCTION	240.22	4.610	0.000
Structure_-(221)	JUNCTION	221.27	4.098	0.000
Structure_-(222)	JUNCTION	67.35	3.510	0.000
Structure_-(223)	JUNCTION	54.67	3.335	0.015
Structure_-(23)	JUNCTION	281.47	18.441	0.000
Structure_-(230)	JUNCTION	294.37	6.724	0.496
Structure_-(231)	JUNCTION	297.07	6.863	0.000
Structure_-(232)	JUNCTION	292.65	6.555	0.000
Structure_-(233)	JUNCTION	290.35	6.407	0.000
Structure_-(234)	JUNCTION	284.36	6.063	0.000
Structure_-(235)	JUNCTION	272.02	5.575	0.000
Structure_-(236)	JUNCTION	259.47	5.166	0.000
Structure_-(237)	JUNCTION	247.58	4.818	0.000
Structure_-(238)	JUNCTION	235.59	4.484	0.000
Structure_-(239)	JUNCTION	217.09	3.996	0.000
Structure_-(24)	JUNCTION	238.64	9.583	0.000
Structure_-(240)	JUNCTION	56.74	3.434	0.000
Structure_-(241)	JUNCTION	47.98	3.531	0.069
Structure_-(243)	JUNCTION	2.50	1.308	3.912
Structure_-(246)	JUNCTION	287.38	6.223	0.000
Structure_-(247)	JUNCTION	296.61	6.834	0.000
Structure_-(248)	JUNCTION	284.35	6.060	0.000
Structure_-(249)	JUNCTION	272.02	5.571	0.000
Structure_-(25)	JUNCTION	238.60	9.400	0.000
Structure_-(250)	JUNCTION	259.55	5.162	0.000
Structure_-(251)	JUNCTION	247.72	4.813	0.000
Structure_-(252)	JUNCTION	235.61	4.483	0.000
Structure_-(253)	JUNCTION	218.13	4.025	0.000
Structure_-(254)	JUNCTION	69.05	3.517	0.000
Structure_-(255)	JUNCTION	48.15	3.602	0.000
Structure_-(256)	JUNCTION	289.14	6.387	0.093
Structure_-(257)	JUNCTION	302.96	7.305	0.000
Structure_-(258)	JUNCTION	287.90	6.256	0.000
Structure_-(259)	JUNCTION	279.74	5.867	0.000
Structure_-(26)	JUNCTION	238.49	8.786	0.000
Structure_-(260)	JUNCTION	253.94	4.997	0.000
Structure_-(261)	JUNCTION	240.20	4.605	0.000
Structure_-(262)	JUNCTION	221.33	4.100	0.000
Structure_-(263)	JUNCTION	67.76	3.514	0.000
Structure_-(264)	JUNCTION	54.71	3.343	0.007
Structure_-(265)	JUNCTION	47.12	2.839	0.661
Structure_-(266)	JUNCTION	45.48	2.706	2.284
Structure_-(267)	JUNCTION	45.39	2.690	1.300
Structure_-(268)	JUNCTION	40.31	2.209	1.791
Structure_-(269)	JUNCTION	43.29	2.486	2.004
Structure_-(27)	JUNCTION	238.45	7.226	0.000
Structure_-(270)	JUNCTION	38.91	2.063	1.937
Structure_-(278)	JUNCTION	11.27	0.534	3.666
Structure_-(28)	JUNCTION	238.35	7.028	0.000
Structure_-(29)	JUNCTION	238.25	6.902	0.000
Structure_-(3)	JUNCTION	38.83	3.570	0.000

Structure_-(30)	JUNCTION	238.00	6.407	0.000
Structure_-(31)	JUNCTION	237.29	5.074	0.000
Structure_-(32)	JUNCTION	236.69	4.411	0.000
Structure_-(325)	JUNCTION	0.26	0.035	2.815
Structure_-(33)	JUNCTION	236.29	4.082	0.000
Structure_-(331)	JUNCTION	1.67	1.881	1.799
Structure_-(332)	JUNCTION	0.58	1.701	1.829
Structure_-(34)	JUNCTION	234.57	2.806	0.000
Structure_-(35)	JUNCTION	226.38	1.134	0.000
Structure_-(370)	JUNCTION	15.33	0.735	2.765
Structure_-(371)	JUNCTION	11.09	0.561	2.939
Structure_-(373)	JUNCTION	17.42	0.805	2.695
Structure_-(374)	JUNCTION	19.09	0.884	4.849
Structure_-(375)	JUNCTION	23.96	1.179	4.554
Structure_-(376)	JUNCTION	29.17	1.417	4.316
Structure_-(377)	JUNCTION	27.57	1.378	4.442
Structure_-(378)	JUNCTION	35.84	1.735	3.665
Structure_-(379)	JUNCTION	270.10	4.612	2.538
Structure_-(380)	JUNCTION	216.65	3.820	1.380
Structure_-(381)	JUNCTION	19.19	0.894	2.506
Structure_-(392)	JUNCTION	43.90	2.302	4.588
Structure_-(393)	JUNCTION	34.19	1.541	4.331
Structure_-(394)	JUNCTION	193.15	3.871	4.494
Structure_-(395)	JUNCTION	289.28	5.153	2.467
Structure_-(397)	JUNCTION	7.28	0.216	3.284
Structure_-(398)	JUNCTION	54.21	3.183	1.150
Structure_-(399)	JUNCTION	46.02	2.493	1.840
Structure_-(4)	JUNCTION	36.13	3.171	0.999
Structure_-(400)	JUNCTION	33.05	1.472	2.362
Structure_-(407)	JUNCTION	24.92	1.069	3.265
Structure_-(41)	JUNCTION	20.87	3.489	1.471
Structure_-(42)	JUNCTION	21.46	3.337	1.493
Structure_-(426)	JUNCTION	49.63	2.927	0.873
Structure_-(427)	JUNCTION	46.90	2.655	0.745
Structure_-(43)	JUNCTION	31.48	2.819	0.406
Structure_-(44)	JUNCTION	35.52	1.777	4.015
Structure_-(446)	JUNCTION	334.72	21.679	0.000
Structure_-(447)	JUNCTION	334.79	20.120	0.000
Structure_-(448)	JUNCTION	334.95	18.522	0.000
Structure_-(449)	JUNCTION	334.99	11.785	0.000
Structure_-(45)	JUNCTION	36.01	1.787	0.000
Structure_-(450)	JUNCTION	335.00	8.564	0.000
Structure_-(451)	JUNCTION	335.00	8.031	0.000
Structure_-(453)	JUNCTION	227.99	4.964	0.000
Structure_-(454)	JUNCTION	227.99	4.969	0.000
Structure_-(455)	JUNCTION	228.00	4.982	0.000
Structure_-(456)	JUNCTION	228.01	5.029	0.000
Structure_-(457)	JUNCTION	228.14	5.133	0.000
Structure_-(458)	JUNCTION	228.98	5.374	0.000
Structure_-(459)	JUNCTION	334.86	33.550	0.000
Structure_-(46)	JUNCTION	36.79	1.856	0.000
Structure_-(460)	JUNCTION	334.86	32.971	0.000
Structure_-(461)	JUNCTION	334.89	31.844	0.000

Structure_-(462)	JUNCTION	334.90	31.100	0.000
Structure_-(463)	JUNCTION	334.94	28.122	0.000
Structure_-(469)	JUNCTION	251.39	4.936	0.000
Structure_-(47)	JUNCTION	43.57	2.516	2.600
Structure_-(470)	JUNCTION	26.83	1.410	1.590
Structure_-(471)	JUNCTION	23.93	1.243	1.757
Structure_-(472)	JUNCTION	21.64	1.126	1.874
Structure_-(473)	JUNCTION	20.12	1.040	1.960
Structure_-(475)	JUNCTION	334.74	6.156	4.174
Structure_-(476)	JUNCTION	334.76	6.270	4.220
Structure_-(477)	JUNCTION	334.81	6.586	3.904
Structure_-(478)	JUNCTION	294.54	5.148	2.702
Structure_-(481)	JUNCTION	227.97	4.918	0.000
Structure_-(482)	JUNCTION	227.97	4.868	0.000
Structure_-(483)	JUNCTION	227.97	4.820	0.000
Structure_-(484)	JUNCTION	227.96	4.701	0.000
Structure_-(485)	JUNCTION	227.95	4.670	0.000
Structure_-(487)	JUNCTION	334.86	7.203	3.917
Structure_-(5)	JUNCTION	39.65	3.229	2.421
Structure_-(50)	JUNCTION	48.34	2.962	1.905
Structure_-(502)	JUNCTION	26.87	1.337	2.996
Structure_-(503)	JUNCTION	46.43	2.787	3.593
Structure_-(51)	JUNCTION	53.07	3.217	1.729
Structure_-(52)	JUNCTION	55.52	3.435	0.331
Structure_-(53)	JUNCTION	52.77	3.174	1.693
Structure_-(54)	JUNCTION	53.03	3.195	1.672
Structure_-(6)	JUNCTION	46.55	3.021	0.000
Structure_-(7)	JUNCTION	44.98	2.747	0.533
Structure_-(70)	JUNCTION	2.08	0.855	2.645
Structure_-(79)	JUNCTION	4.45	0.252	3.248
Structure_-(8)	JUNCTION	47.68	2.930	2.600
Structure_-(86)	JUNCTION	3.20	0.181	1.819
Structure_-(87)	JUNCTION	23.55	1.444	1.556
Structure_-(88)	JUNCTION	20.67	2.993	0.007
Structure_-(89)	JUNCTION	18.39	3.003	0.000
Structure_-(9)	JUNCTION	52.66	3.191	3.239
Structure_-(90)	JUNCTION	21.09	3.250	0.000
Structure520	JUNCTION	48.25	2.911	0.000
Structure587	JUNCTION	289.27	5.082	0.000
Structure593	JUNCTION	291.44	5.098	0.000
Structure602	JUNCTION	46.75	2.787	0.000

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#### Node Flooding Summary

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Flooding refers to all water that overflows a node, whether it ponds or not.

Node	Hours Flooded	Maximum Rate CFS	Time of Max Occurrence days hr:min	Total Flood Volume 10^6 gal	Maximum Ponded Depth Feet
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Culvert_Ditch12b	0.48	33.43	10	20:59	0.094	0.011
Culvert_Ditch12c	200.03	17.96	10	20:59	0.729	1.046
Ditch1_2	250.46	6.96	10	13:13	3.517	4.048
DIitch12_18	200.12	2.39	11	01:44	0.360	1.046
Ditch9_10_11	0.76	26.18	5	04:29	0.105	0.003
Facility77_PS	334.77	22.28	9	16:38	1.507	58.821
PS004	223.17	3.22	11	04:42	0.358	2.547
PSC_Outlet	140.16	7.36	4	04:11	3.030	48.250
Structure_-(1)	0.01	0.08	4	18:57	0.000	0.001
Structure_-(141)	9.80	0.14	5	00:36	0.003	0.448
Structure_-(142)	0.09	0.05	5	03:01	0.000	0.008
Structure_-(161)	0.01	0.49	5	17:36	0.000	0.006
Structure_-(162)	3.10	0.52	5	17:35	0.001	0.175
Structure_-(163)	18.85	0.87	5	17:35	0.012	0.800
Structure_-(164)	29.76	1.17	5	17:36	0.025	1.391
Structure_-(165)	35.78	0.80	5	17:42	0.025	1.716
Structure_-(166)	39.66	0.92	4	16:50	0.032	2.067
Structure_-(167)	45.45	0.94	4	22:59	0.045	2.626
Structure_-(168)	54.31	1.11	5	17:43	0.045	3.268
Structure_-(169)	168.63	2.36	11	06:12	0.112	3.838
Structure_-(172)	313.60	31.94	9	18:01	1.444	8.433
Structure_-(178)	22.93	0.18	5	17:14	0.006	1.078
Structure_-(179)	3.34	0.04	5	02:50	0.000	0.179
Structure_-(20)	0.01	0.05	4	16:42	0.000	0.000
Structure_-(205)	25.92	0.36	5	17:30	0.015	1.268
Structure_-(206)	169.46	1.78	11	06:12	0.081	3.837
Structure_-(207)	54.31	0.69	7	08:43	0.027	3.267
Structure_-(208)	45.49	0.60	11	06:12	0.027	2.625
Structure_-(209)	39.71	0.55	5	17:33	0.021	2.068
Structure_-(21)	0.01	0.03	4	16:45	0.000	0.000
Structure_-(210)	36.40	0.41	5	17:41	0.016	1.767
Structure_-(211)	29.99	0.48	5	17:32	0.016	1.389
Structure_-(212)	18.73	0.32	5	16:01	0.009	0.798
Structure_-(213)	3.12	0.11	5	03:04	0.001	0.177
Structure_-(214)	0.01	0.05	5	17:33	0.000	0.000
Structure_-(215)	6.98	0.22	5	02:15	0.004	0.368
Structure_-(216)	229.67	2.64	11	06:13	0.129	4.311
Structure_-(217)	69.13	0.84	5	17:43	0.037	3.506
Structure_-(218)	49.91	0.85	5	17:42	0.035	3.013
Structure_-(219)	38.92	0.53	4	16:49	0.024	1.996
Structure_-(220)	32.72	0.52	5	17:52	0.018	1.510
Structure_-(221)	21.51	0.90	5	17:49	0.018	0.998
Structure_-(222)	10.47	0.35	5	00:33	0.006	0.460
Structure_-(23)	281.43	1.34	1	02:50	0.026	18.441
Structure_-(231)	1.12	0.16	5	03:24	0.000	0.033
Structure_-(232)	0.94	0.11	5	03:04	0.000	0.023
Structure_-(233)	39.57	0.48	6	05:48	0.033	2.057
Structure_-(234)	39.94	0.52	6	06:55	0.027	2.083
Structure_-(235)	35.90	0.43	5	17:15	0.024	1.715
Structure_-(236)	37.12	0.44	5	17:52	0.023	1.816
Structure_-(237)	35.86	0.32	5	17:06	0.018	1.718
Structure_-(238)	29.81	0.41	5	17:20	0.018	1.384

Structure_-(239)	18.72	0.33	4	23:11	0.010	0.796
Structure_-(24)	226.70	0.01	4	14:10	0.005	5.083
Structure_-(240)	1.75	0.11	5	03:04	0.001	0.084
Structure_-(246)	1.81	0.15	5	03:24	0.001	0.073
Structure_-(247)	169.15	1.93	11	01:00	0.088	3.834
Structure_-(248)	54.32	0.55	5	17:38	0.032	3.260
Structure_-(249)	45.47	0.68	10	06:10	0.032	2.621
Structure_-(25)	238.60	0.07	1	03:02	0.012	9.400
Structure_-(250)	39.70	0.51	5	17:37	0.028	2.062
Structure_-(251)	35.83	0.51	5	17:37	0.019	1.713
Structure_-(252)	29.95	0.46	5	17:36	0.019	1.383
Structure_-(253)	18.99	0.79	5	17:36	0.010	0.825
Structure_-(254)	3.10	0.13	5	17:36	0.001	0.167
Structure_-(255)	0.01	0.31	5	17:36	0.000	0.002
Structure_-(257)	229.68	2.89	8	14:27	0.133	4.305
Structure_-(258)	69.22	0.68	5	17:35	0.039	3.506
Structure_-(259)	49.95	0.76	5	17:20	0.037	3.017
Structure_-(26)	238.48	0.07	1	03:14	0.014	8.786
Structure_-(260)	39.00	0.60	5	17:59	0.024	1.997
Structure_-(261)	32.79	0.39	5	17:36	0.015	1.505
Structure_-(262)	21.58	0.63	5	17:21	0.016	1.000
Structure_-(263)	10.58	0.23	5	00:34	0.004	0.464
Structure_-(27)	238.38	0.03	1	04:00	0.010	7.226
Structure_-(28)	238.35	0.02	1	04:15	0.007	7.028
Structure_-(29)	238.24	0.02	1	04:16	0.008	6.902
Structure_-(3)	0.01	0.05	4	18:32	0.000	0.000
Structure_-(30)	237.99	0.02	1	04:25	0.009	6.407
Structure_-(31)	237.28	0.02	1	05:13	0.007	5.074
Structure_-(32)	236.68	0.01	1	05:10	0.005	4.411
Structure_-(33)	236.28	0.01	1	05:09	0.005	4.082
Structure_-(34)	234.56	0.02	5	00:04	0.005	2.806
Structure_-(35)	226.38	0.03	4	23:43	0.002	1.134
Structure_-(446)	334.72	0.83	10	01:25	0.301	21.679
Structure_-(447)	334.79	1.24	0	00:03	0.302	20.120
Structure_-(448)	334.95	4.95	0	00:02	0.446	18.522
Structure_-(449)	334.99	22.69	0	00:00	0.186	11.785
Structure_-(45)	4.95	0.45	4	18:33	0.002	0.287
Structure_-(450)	335.00	44.56	0	00:00	0.036	8.564
Structure_-(451)	335.00	289.37	0	00:00	0.021	8.031
Structure_-(453)	32.13	1.10	5	17:27	0.024	1.464
Structure_-(454)	32.28	0.40	4	16:47	0.005	1.469
Structure_-(455)	32.51	0.26	5	17:40	0.009	1.482
Structure_-(456)	35.39	1.92	4	16:48	0.027	1.695
Structure_-(457)	36.61	1.85	4	16:48	0.027	1.800
Structure_-(458)	38.96	8.52	5	16:23	0.111	2.040
Structure_-(459)	334.86	3.04	10	01:23	0.757	33.550
Structure_-(46)	6.27	0.70	4	16:41	0.004	0.356
Structure_-(460)	334.86	1.83	10	01:23	0.479	32.971
Structure_-(461)	334.89	1.89	10	01:23	0.472	31.844
Structure_-(462)	334.90	2.85	10	01:23	0.715	31.100
Structure_-(463)	334.94	8.68	0	00:03	0.554	28.122
Structure_-(469)	37.92	12.48	5	17:03	0.138	1.936
Structure_-(481)	31.47	0.27	4	17:03	0.013	1.418

Structure_-(482)	28.82	0.28	4	11:02	0.004	1.368
Structure_-(483)	27.32	0.20	4	17:36	0.006	1.320
Structure_-(484)	24.62	0.12	5	00:41	0.005	1.201
Structure_-(485)	24.19	0.10	5	00:24	0.005	1.170
Structure_-(6)	0.01	0.15	4	18:32	0.000	0.001
Structure_-(89)	0.01	5.83	4	18:14	0.000	0.003
Structure_-(90)	0.01	1.12	4	16:37	0.000	0.000
Structure520	22.33	0.58	5	17:53	0.012	1.061
Structure587	52.82	2.29	4	23:35	0.103	3.082
Structure593	53.11	2.09	4	23:36	0.101	3.098
Structure602	18.35	2.77	4	16:42	0.014	0.787
RetenionPond	34.81	1.83	5	05:17	1.007	0.000

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Storage Volume Summary  
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Time of Max Occurrence	Maximum Outflow Storage Unit	Average Volume	Avg Pcnt Full	Evap Loss	Exfil Loss	Maximum Volume	Max Pcnt Full
days hr:min	CFS	1000 ft3				1000 ft3	

Facility77_Inlet	5 03:00	185.07	6.901	68	0	0	9.180	90
PSC_Sump	5 05:02	21.58	2.436	36	0	0	5.784	87
RetenionPond	5 05:02	303.74	289.608	71	0	0	407.834	100

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Outfall Loading Summary  
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Outfall Node	Flow Freq Pcnt	Avg Flow CFS	Max Flow CFS	Total Volume 10^6 gal
5_Dummy_Outlet	0.00	0.00	0.00	0.000
C_Dummy_Outlet	0.00	0.00	0.00	0.000
D_Dummy_Outlet	0.00	0.00	0.00	0.000
E_Dummy_Outlet	0.00	0.00	0.00	0.000
F_Dummy_Outlet	0.00	0.00	0.00	0.000
G_Dummy_Outlet	0.00	0.00	0.00	0.000



H_Dummy_Outlet	0.00	0.00	0.00	0.000
Outfall_002A	55.26	9.63	13.37	46.313
Outfall003	99.99	1.87	29.95	16.361
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System	17.25	11.49	43.32	62.673

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Link Flow Summary  
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		Maximum	Time of Max	Maximum	Max/
		Flow	Occurrence	Veloc	Full
Link	Type	CFS	days hr:min	ft/sec	Flow
Depth	-----				
172_to_Inlet	CONDUIT	172.87	4 06:49	20.97	0.05
1.00					
278_to_PS_B	CONDUIT	6.49	4 16:42	1.75	0.08
1.00					
381_to_PS77	CONDUIT	196.25	5 15:56	3.78	0.82
1.00					
458_to_Inlet	CONDUIT	9.23	5 16:23	5.59	0.04
1.00					
469_to_Inlet	CONDUIT	32.90	10 12:03	18.02	0.06
1.00					
Culvert11	CONDUIT	2.92	4 18:44	3.72	30.25
1.00					
Culvert12	CONDUIT	3.23	4 18:44	4.86	29.00
1.00					
Culvert12a	CONDUIT	14.27	10 20:59	4.04	21.72
1.00					
Culvert12c	CONDUIT	4.62	10 11:35	2.66	2.21
1.00					
Ditch_77	CONDUIT	22.58	4 16:46	1.02	1.02
1.00					
Ditch10	CONDUIT	26.75	11 22:37	0.99	0.28
1.00					
Ditch11	CONDUIT	2.95	4 18:44	0.18	0.02
1.00					
Ditch12	CONDUIT	23.00	11 07:20	1.33	0.09
1.00					
Ditch12a	CONDUIT	7.36	4 23:20	0.44	0.02
0.95					
Ditch13	CONDUIT	2.64	4 16:56	0.07	0.23
0.83					
Ditch14	CONDUIT	3.36	4 17:01	0.18	0.03
0.61					

Ditch15	CONDUIT	4.20	4	17:07	1.47	0.21
0.52						
Ditch16	CONDUIT	5.09	4	17:08	1.48	0.04
0.29						
Ditch17	CONDUIT	5.99	4	17:07	0.71	0.02
0.27						
Ditch18	CONDUIT	3.66	11	04:42	1.04	0.01
1.00						
Ditch2	CONDUIT	57.82	0	00:03	0.32	1.25
1.00						
Ditch3	CONDUIT	77.33	0	00:03	2.21	0.05
0.90						
Ditch3_4	CONDUIT	294.51	0	00:00	4.28	0.14
1.00						
Ditch4	CONDUIT	6.15	5	06:22	0.03	0.00
0.60						
Ditch4_489	CONDUIT	37.05	0	00:06	1.76	0.42
0.69						
Ditch5	CONDUIT	18.02	4	17:06	1.15	0.04
0.23						
Ditch6	CONDUIT	23.89	4	17:10	1.73	0.43
0.19						
Ditch7	CONDUIT	24.13	4	17:15	2.42	0.03
0.15						
Ditch8	CONDUIT	29.95	4	17:11	4.02	0.03
0.25						
Ditch9	CONDUIT	2.15	4	17:02	0.19	0.01
0.52						
Facility73_to_Pond	CONDUIT	303.74	0	00:00	>50.00	87.74
1.00						
Pipe_-(1)	CONDUIT	0.56	4	16:42	1.15	0.11
1.00						
Pipe_-(10)	CONDUIT	5.02	7	02:53	1.32	0.94
1.00						
Pipe_-(10)_-(1)	CONDUIT	5.55	7	02:53	1.26	0.41
1.00						
Pipe_-(117)	CONDUIT	3.65	4	16:47	1.75	0.16
1.00						
Pipe_-(118)	CONDUIT	3.75	4	16:47	3.27	0.37
1.00						
Pipe_-(119)	CONDUIT	1.65	4	17:01	3.16	0.10
0.68						
Pipe_-(120)	CONDUIT	0.68	4	17:01	2.14	0.21
0.38						
Pipe_-(122)	CONDUIT	0.49	4	17:00	1.91	0.10
0.26						
Pipe_-(123)	CONDUIT	0.29	4	17:00	2.13	0.09
0.23						
Pipe_-(124)	CONDUIT	0.68	4	17:00	2.74	0.28
0.35						
Pipe_-(125)	CONDUIT	0.49	4	17:00	2.53	0.11
0.29						
Pipe_-(126)	CONDUIT	0.29	4	17:00	2.73	0.06

0.19							
Pipe_-(127)	CONDUIT	0.78	4	17:00	2.69	0.16	
0.33							
Pipe_-(128)	CONDUIT	0.29	4	17:00	1.72	0.09	
0.27							
Pipe_-(130)	CONDUIT	0.29	4	17:00	1.95	0.05	
0.25							
Pipe_-(133)	CONDUIT	1.34	9	18:16	2.47	0.27	
1.00							
Pipe_-(134)	CONDUIT	1.05	4	16:52	1.33	0.60	
1.00							
Pipe_-(135)	CONDUIT	0.85	4	16:52	1.08	0.49	
1.00							
Pipe_-(136)	CONDUIT	0.65	4	16:52	1.24	0.09	
1.00							
Pipe_-(137)	CONDUIT	0.50	10	10:43	3.18	0.08	
1.00							
Pipe_-(138)	CONDUIT	1.10	4	12:47	2.36	0.17	
1.00							
Pipe_-(153)	CONDUIT	0.52	5	17:36	0.91	0.15	
1.00							
Pipe_-(154)	CONDUIT	1.04	11	06:12	0.85	0.16	
1.00							
Pipe_-(155)	CONDUIT	0.97	11	06:12	0.73	0.12	
1.00							
Pipe_-(156)	CONDUIT	1.00	11	06:12	0.78	0.10	
1.00							
Pipe_-(157)	CONDUIT	1.93	4	16:48	0.86	0.18	
1.00							
Pipe_-(158)	CONDUIT	2.57	4	16:48	1.07	0.25	
1.00							
Pipe_-(159)	CONDUIT	2.88	4	16:48	1.20	0.19	
1.00							
Pipe_-(160)	CONDUIT	3.34	4	16:47	1.50	0.31	
1.00							
Pipe_-(161)	CONDUIT	4.11	7	00:48	1.76	0.38	
1.00							
Pipe_-(162)	CONDUIT	11.98	9	07:14	5.54	0.17	
1.00							
Pipe_-(163)	CONDUIT	20.11	4	16:47	2.68	0.14	
1.00							
Pipe_-(164)	CONDUIT	7.46	4	16:47	3.47	0.07	
1.00							
Pipe_-(165)	CONDUIT	4.11	4	16:47	1.31	0.21	
1.00							
Pipe_-(166)	CONDUIT	1.42	7	02:05	0.80	0.25	
1.00							
Pipe_-(167)	CONDUIT	1.42	7	02:05	0.82	0.14	
1.00							
Pipe_-(168)	CONDUIT	1.06	7	02:06	1.65	0.15	
1.00							
Pipe_-(169)	CONDUIT	0.78	4	16:59	0.95	0.10	
1.00							

1.00	Pipe_-(170)	CONDUIT	0.76	11	06:12	0.97	0.16
1.00	Pipe_-(171)	CONDUIT	0.78	11	06:12	1.11	0.35
1.00	Pipe_-(172)	CONDUIT	0.42	7	02:49	0.63	0.14
1.00	Pipe_-(18)	CONDUIT	0.36	4	16:42	0.41	0.04
1.00	Pipe_-(19)	CONDUIT	1.38	7	02:51	0.84	0.27
1.00	Pipe_-(196)	CONDUIT	6.27	9	23:05	3.84	0.13
1.00	Pipe_-(197)	CONDUIT	2.79	4	16:47	1.06	0.26
1.00	Pipe_-(198)	CONDUIT	2.63	4	16:48	0.94	0.17
1.00	Pipe_-(199)	CONDUIT	2.30	4	16:48	0.95	0.16
1.00	Pipe_-(2)	CONDUIT	1.08	4	16:55	1.60	0.21
1.00	Pipe_-(20)	CONDUIT	0.57	7	02:51	1.09	0.11
1.00	Pipe_-(200)	CONDUIT	2.11	4	16:49	0.88	0.21
1.00	Pipe_-(201)	CONDUIT	1.56	4	16:49	0.85	0.15
1.00	Pipe_-(202)	CONDUIT	1.43	11	06:12	0.77	0.14
1.00	Pipe_-(203)	CONDUIT	1.38	11	06:12	0.78	0.17
1.00	Pipe_-(204)	CONDUIT	1.43	11	06:12	1.18	0.23
1.00	Pipe_-(205)	CONDUIT	0.50	11	06:12	0.96	0.14
1.00	Pipe_-(206)	CONDUIT	3.41	4	16:47	1.08	0.06
1.00	Pipe_-(207)	CONDUIT	3.21	4	16:47	1.02	0.30
1.00	Pipe_-(208)	CONDUIT	2.98	4	16:48	0.95	0.16
1.00	Pipe_-(209)	CONDUIT	2.67	4	16:48	0.99	0.15
1.00	Pipe_-(210)	CONDUIT	2.39	4	16:48	1.00	0.18
1.00	Pipe_-(211)	CONDUIT	1.67	7	02:49	0.72	0.14
1.00	Pipe_-(212)	CONDUIT	1.66	7	02:49	0.85	0.14
1.00	Pipe_-(213)	CONDUIT	1.66	7	02:49	0.73	0.15
1.00	Pipe_-(214)	CONDUIT	1.40	7	02:49	0.85	0.17
1.00	Pipe_-(215)	CONDUIT	0.65	7	02:49	0.77	0.13

1.00	Pipe_-(22)	CONDUIT	0.49	4	19:16	10.03	9.49
1.00	Pipe_-(221)	CONDUIT	9.30	7	01:54	2.91	0.09
1.00	Pipe_-(222)	CONDUIT	5.90	7	01:54	2.11	0.11
1.00	Pipe_-(223)	CONDUIT	3.04	7	00:56	1.53	0.12
1.00	Pipe_-(224)	CONDUIT	2.47	4	16:48	1.78	0.13
1.00	Pipe_-(225)	CONDUIT	2.27	4	16:48	0.87	0.11
1.00	Pipe_-(226)	CONDUIT	1.99	4	16:48	0.85	0.14
1.00	Pipe_-(227)	CONDUIT	1.80	4	16:49	0.79	0.18
1.00	Pipe_-(228)	CONDUIT	1.29	4	16:49	0.76	0.12
1.00	Pipe_-(229)	CONDUIT	1.03	10	19:53	0.77	0.11
1.00	Pipe_-(23)	CONDUIT	0.49	1	03:57	2.47	1.65
1.00	Pipe_-(230)	CONDUIT	1.00	10	19:53	0.57	0.12
1.00	Pipe_-(231)	CONDUIT	1.01	10	19:53	0.87	0.15
1.00	Pipe_-(232)	CONDUIT	0.48	10	06:10	0.92	0.14
1.00	Pipe_-(234)	CONDUIT	2.79	4	17:00	1.58	0.36
1.00	Pipe_-(235)	CONDUIT	1.86	4	17:00	1.55	0.16
0.69	Pipe_-(236)	CONDUIT	0.93	4	17:00	1.86	0.16
0.35	Pipe_-(237)	CONDUIT	13.12	9	18:25	5.80	0.15
1.00	Pipe_-(238)	CONDUIT	3.67	9	18:25	1.55	0.32
1.00	Pipe_-(239)	CONDUIT	2.58	4	16:48	1.31	0.16
1.00	Pipe_-(24)	CONDUIT	0.47	4	20:34	2.41	1.62
1.00	Pipe_-(240)	CONDUIT	2.26	4	16:48	0.94	0.15
1.00	Pipe_-(241)	CONDUIT	2.08	4	16:49	0.87	0.21
1.00	Pipe_-(242)	CONDUIT	1.54	4	16:49	0.86	0.14
1.00	Pipe_-(243)	CONDUIT	1.34	11	01:00	0.78	0.13
1.00	Pipe_-(244)	CONDUIT	1.29	8	14:27	0.73	0.16
1.00							

1.00	Pipe_-(245)	CONDUIT	1.39	8	14:27	1.15	0.22
1.00	Pipe_-(246)	CONDUIT	0.49	11	15:19	0.94	0.14
1.00	Pipe_-(247)	CONDUIT	13.03	11	16:26	5.84	0.12
1.00	Pipe_-(248)	CONDUIT	4.64	7	00:51	1.61	0.43
1.00	Pipe_-(249)	CONDUIT	3.68	4	16:48	1.42	0.20
1.00	Pipe_-(25)	CONDUIT	0.46	4	22:19	2.36	1.59
1.00	Pipe_-(250)	CONDUIT	3.34	4	16:48	1.17	0.19
1.00	Pipe_-(251)	CONDUIT	3.00	4	16:48	1.33	0.22
1.00	Pipe_-(252)	CONDUIT	2.49	4	16:49	1.10	0.20
1.00	Pipe_-(253)	CONDUIT	1.75	4	16:49	1.31	0.15
1.00	Pipe_-(254)	CONDUIT	1.71	10	19:53	1.46	0.15
1.00	Pipe_-(255)	CONDUIT	1.55	10	19:54	1.55	0.19
1.00	Pipe_-(256)	CONDUIT	1.10	4	16:49	1.81	0.21
1.00	Pipe_-(257)	CONDUIT	0.92	4	16:49	1.53	0.34
1.00	Pipe_-(258)	CONDUIT	0.71	4	16:49	1.74	2.89
1.00	Pipe_-(259)	CONDUIT	0.49	4	16:59	1.51	0.18
1.00	Pipe_-(26)	CONDUIT	0.46	12	21:04	2.35	1.56
1.00	Pipe_-(260)	CONDUIT	0.20	4	16:49	1.69	0.37
1.00	Pipe_-(261)	CONDUIT	0.22	4	16:49	0.72	0.08
0.20	Pipe_-(264)	CONDUIT	0.29	4	17:00	1.64	0.11
0.21	Pipe_-(265)	CONDUIT	0.49	4	17:00	1.77	0.10
0.23	Pipe_-(266)	CONDUIT	0.68	4	17:00	2.59	0.10
0.75	Pipe_-(267)	CONDUIT	1.17	4	17:01	2.82	0.08
0.96	Pipe_-(268)	CONDUIT	7.23	4	16:40	3.80	0.29
1.00	Pipe_-(27)	CONDUIT	0.46	12	21:31	2.35	1.60
0.59	Pipe_-(277)	CONDUIT	0.97	4	17:00	3.01	0.08
	Pipe_-(278)	CONDUIT	0.29	4	17:00	0.38	0.08

0.94							
Pipe_-(28)	CONDUIT	0.46	12	22:11	2.35	1.58	
1.00							
Pipe_-(285)	CONDUIT	0.49	4	17:00	0.63	0.15	
0.95							
Pipe_-(288)	CONDUIT	0.29	4	17:00	1.22	0.02	
0.37							
Pipe_-(29)	CONDUIT	0.46	12	23:16	2.35	1.59	
1.00							
Pipe_-(295)	CONDUIT	0.49	4	17:00	2.10	0.05	
0.57							
Pipe_-(296)	CONDUIT	0.29	4	17:00	0.39	0.09	
0.91							
Pipe_-(3)	CONDUIT	1.56	4	16:55	1.99	0.31	
1.00							
Pipe_-(30)	CONDUIT	0.46	13	00:16	2.35	1.60	
1.00							
Pipe_-(307)	CONDUIT	1.55	4	17:01	1.09	0.33	
0.75							
Pipe_-(308)	CONDUIT	4.96	4	17:00	3.15	1.07	
0.83							
Pipe_-(309)	CONDUIT	6.66	4	17:00	4.78	1.47	
0.74							
Pipe_-(31)	CONDUIT	0.46	5	19:19	2.35	1.58	
1.00							
Pipe_-(310)	CONDUIT	10.54	4	17:00	7.28	0.59	
0.58							
Pipe_-(311)	CONDUIT	13.95	4	17:00	5.17	0.41	
0.54							
Pipe_-(312)	CONDUIT	14.87	4	16:56	4.28	0.67	
0.68							
Pipe_-(313)	CONDUIT	1.71	4	17:00	1.39	1.17	
1.00							
Pipe_-(314)	CONDUIT	1.55	4	17:00	2.57	0.39	
0.72							
Pipe_-(319)	CONDUIT	1.55	4	16:59	7.91	1.11	
1.00							
Pipe_-(32)	CONDUIT	0.46	5	18:53	2.36	1.59	
1.00							
Pipe_-(320)	CONDUIT	1.55	4	17:00	7.91	0.98	
1.00							
Pipe_-(321)	CONDUIT	1.86	4	17:00	2.91	0.15	
0.52							
Pipe_-(322)	CONDUIT	1.71	4	17:00	2.04	0.34	
0.64							
Pipe_-(323)	CONDUIT	1.55	4	17:00	2.61	1.14	
0.71							
Pipe_-(327)	CONDUIT	1.86	4	17:00	1.61	0.34	
0.62							
Pipe_-(328)	CONDUIT	1.71	4	17:00	3.10	0.30	
0.47							
Pipe_-(329)	CONDUIT	1.55	4	17:00	3.84	0.34	
0.51							

1.00	Pipe_-(33)	CONDUIT	0.47	5	18:18	2.37	1.60
0.38	Pipe_-(331)	CONDUIT	1.55	4	17:00	5.97	0.27
1.00	Pipe_-(333)	CONDUIT	1.71	4	17:00	2.17	1.23
0.58	Pipe_-(334)	CONDUIT	1.55	4	17:00	4.44	0.19
0.45	Pipe_-(337)	CONDUIT	3.80	4	17:22	0.74	0.18
0.43	Pipe_-(338)	CONDUIT	3.47	4	17:17	0.71	0.15
1.00	Pipe_-(34)	CONDUIT	0.49	5	17:54	2.94	1.66
0.44	Pipe_-(340)	CONDUIT	0.62	4	17:00	0.48	0.01
0.44	Pipe_-(35)	CONDUIT	2.78	4	17:01	1.96	0.06
1.00	Pipe_-(358)	CONDUIT	1.29	4	16:49	2.56	0.14
0.54	Pipe_-(359)	CONDUIT	0.19	4	17:01	1.88	0.03
0.52	Pipe_-(36)	CONDUIT	5.63	4	16:58	2.91	0.12
1.00	Pipe_-(360)	CONDUIT	1.00	4	16:51	3.16	0.15
1.00	Pipe_-(361)	CONDUIT	0.24	4	17:41	2.15	0.18
1.00	Pipe_-(362)	CONDUIT	0.43	4	16:59	2.77	0.29
1.00	Pipe_-(363)	CONDUIT	0.73	4	16:47	3.38	0.58
1.00	Pipe_-(364)	CONDUIT	1.11	4	16:47	4.48	0.33
1.00	Pipe_-(365)	CONDUIT	1.32	4	16:47	2.00	0.11
1.00	Pipe_-(366)	CONDUIT	21.01	4	16:46	2.18	0.24
1.00	Pipe_-(367)	CONDUIT	21.02	4	16:46	2.18	0.40
1.00	Pipe_-(369)	CONDUIT	0.54	4	16:41	3.78	0.09
0.57	Pipe_-(37)	CONDUIT	8.25	4	16:49	3.94	0.17
1.00	Pipe_-(370)	CONDUIT	22.19	4	16:45	3.14	3.54
0.00	Pipe_-(374)	CONDUIT	0.00	0	00:00	0.00	0.00
0.09	Pipe_-(375)	CONDUIT	0.00	0	00:00	0.00	0.00
0.14	Pipe_-(376)	CONDUIT	0.19	4	17:00	1.62	0.04
	Pipe_-(377)	CONDUIT	0.39	4	17:00	0.39	0.04



1.00							
Pipe_-(378)	CONDUIT	1.78	4	16:48	1.01	0.11	
1.00							
Pipe_-(379)	CONDUIT	1.97	4	16:48	1.12	0.12	
1.00							
Pipe_-(38)	CONDUIT	10.26	4	16:37	5.86	0.21	
0.61							
Pipe_-(380)	CONDUIT	0.39	4	17:00	3.02	0.07	
0.59							
Pipe_-(381)	CONDUIT	0.80	4	18:17	4.98	0.02	
1.00							
Pipe_-(382)	CONDUIT	0.39	4	17:00	1.12	0.19	
1.00							
Pipe_-(383)	CONDUIT	0.20	4	17:00	2.31	0.10	
1.00							
Pipe_-(384)	CONDUIT	0.78	4	16:48	3.94	0.16	
1.00							
Pipe_-(385)	CONDUIT	0.58	4	17:00	4.45	0.34	
1.00							
Pipe_-(386)	CONDUIT	0.39	4	17:00	4.50	0.19	
0.52							
Pipe_-(387)	CONDUIT	0.19	4	17:00	2.88	0.09	
0.25							
Pipe_-(389)	CONDUIT	0.44	4	18:28	3.83	0.07	
1.00							
Pipe_-(39)	CONDUIT	17.11	4	16:36	3.77	0.11	
0.82							
Pipe_-(390)	CONDUIT	2.14	4	17:00	2.68	0.35	
0.64							
Pipe_-(4)	CONDUIT	2.19	4	16:42	1.99	0.20	
1.00							
Pipe_-(40)	CONDUIT	14.17	4	16:26	2.53	0.41	
1.00							
Pipe_-(404)	CONDUIT	0.63	11	09:50	1.07	0.08	
1.00							
Pipe_-(405)	CONDUIT	0.20	4	17:00	1.22	0.08	
1.00							
Pipe_-(408)	CONDUIT	13.37	5	15:00	6.79	0.22	
0.42							
Pipe_-(409)	CONDUIT	13.37	5	15:00	7.12	0.32	
0.51							
Pipe_-(41)	CONDUIT	17.78	4	16:48	3.83	0.31	
1.00							
Pipe_-(410)	CONDUIT	13.37	5	15:00	5.49	0.32	
0.50							
Pipe_-(411)	CONDUIT	13.37	5	15:01	6.32	0.32	
0.45							
Pipe_-(412)	CONDUIT	13.37	5	15:01	6.96	0.38	
0.41							
Pipe_-(42)	CONDUIT	17.95	4	16:48	3.83	0.37	
1.00							
Pipe_-(423)	CONDUIT	21.41	5	02:37	12.12	1.91	
1.00							

1.00	Pipe_-(424)	CONDUIT	21.40	5	02:40	12.11	1.93
1.00	Pipe_-(425)	CONDUIT	21.40	5	02:44	12.11	1.91
1.00	Pipe_-(426)	CONDUIT	22.69	0	00:00	13.00	2.03
1.00	Pipe_-(427)	CONDUIT	47.92	0	00:00	27.12	4.35
1.00	Pipe_-(429)	CONDUIT	1.47	4	10:02	1.31	0.52
1.00	Pipe_-(43)	CONDUIT	18.38	4	16:48	4.32	0.37
1.00	Pipe_-(430)	CONDUIT	1.49	4	10:02	1.30	0.50
1.00	Pipe_-(431)	CONDUIT	1.55	4	10:02	1.16	0.32
1.00	Pipe_-(432)	CONDUIT	1.75	4	16:50	0.93	0.27
1.00	Pipe_-(433)	CONDUIT	2.44	4	16:47	1.12	0.51
1.00	Pipe_-(434)	CONDUIT	22.61	4	16:52	10.36	1.64
1.00	Pipe_-(435)	CONDUIT	21.87	4	16:55	10.02	1.62
1.00	Pipe_-(436)	CONDUIT	21.52	4	17:00	9.86	1.42
1.00	Pipe_-(437)	CONDUIT	21.43	5	02:20	9.82	1.59
1.00	Pipe_-(438)	CONDUIT	21.42	5	02:28	9.82	1.56
1.00	Pipe_-(439)	CONDUIT	21.41	5	02:34	24.89	0.07
1.00	Pipe_-(44)	CONDUIT	18.58	4	16:48	5.17	0.38
1.00	Pipe_-(443)	CONDUIT	3.29	4	16:48	4.94	0.07
1.00	Pipe_-(444)	CONDUIT	2.40	4	16:48	2.66	0.15
1.00	Pipe_-(445)	CONDUIT	1.41	4	16:48	1.63	0.08
1.00	Pipe_-(446)	CONDUIT	0.50	5	21:45	1.20	0.03
1.00	Pipe_-(447)	CONDUIT	0.49	0	00:14	1.08	0.08
1.00	Pipe_-(448)	CONDUIT	0.58	0	00:08	1.02	0.10
1.00	Pipe_-(449)	CONDUIT	0.93	0	00:08	1.12	0.16
1.00	Pipe_-(45)	CONDUIT	18.83	4	16:48	2.42	0.32
1.00	Pipe_-(450)	CONDUIT	22.95	4	16:45	3.25	1.51
1.00	Pipe_-(452)	CONDUIT	1.32	4	11:01	0.85	1.62

1.00	Pipe_-(453)	CONDUIT	1.66	4	11:01	0.94	0.52
1.00	Pipe_-(454)	CONDUIT	1.18	4	11:01	0.67	0.40
1.00	Pipe_-(455)	CONDUIT	1.13	4	11:01	0.64	0.12
1.00	Pipe_-(456)	CONDUIT	0.88	4	11:02	0.78	0.17
1.00	Pipe_-(460)	CONDUIT	0.20	4	17:00	1.23	0.39
1.00	Pipe_-(461)	CONDUIT	23.68	0	00:08	7.76	15.31
1.00	Pipe_-(462)	CONDUIT	27.22	4	16:47	5.23	0.79
1.00	Pipe_-(467)	CONDUIT	19.14	4	17:08	3.58	0.46
0.46	Pipe_-(47)	CONDUIT	26.65	4	16:47	2.28	0.36
1.00	Pipe_-(474)	CONDUIT	1.17	4	17:00	2.49	0.19
0.31	Pipe_-(49)	CONDUIT	27.14	4	16:47	1.91	0.51
1.00	Pipe_-(5)	CONDUIT	2.68	4	16:42	2.20	0.25
1.00	Pipe_-(50)	CONDUIT	27.63	4	16:47	1.94	0.62
1.00	Pipe_-(51)	CONDUIT	31.15	4	16:47	2.19	3.89
1.00	Pipe_-(52)	CONDUIT	32.33	4	16:47	2.27	1.61
1.00	Pipe_-(53)	CONDUIT	32.33	4	16:47	2.75	0.60
1.00	Pipe_-(54)	CONDUIT	2.23	4	17:00	3.03	0.44
0.86	Pipe_-(55)	CONDUIT	1.94	4	17:00	2.53	0.39
0.76	Pipe_-(56)	CONDUIT	1.65	4	17:00	2.36	0.32
0.62	Pipe_-(57)	CONDUIT	1.36	4	17:00	2.22	0.27
0.48	Pipe_-(58)	CONDUIT	1.07	4	17:00	1.94	0.21
0.41	Pipe_-(59)	CONDUIT	0.78	4	17:00	1.66	0.15
0.34	Pipe_-(6)	CONDUIT	2.86	4	16:42	2.09	0.26
1.00	Pipe_-(60)	CONDUIT	0.49	4	17:00	1.41	0.10
0.25	Pipe_-(65)	CONDUIT	2.64	4	17:00	2.62	0.52
1.00	Pipe_-(66)	CONDUIT	2.44	4	17:01	3.64	0.15
0.66							

Pipe_-(67)	CONDUIT	2.34	4	17:01	4.74	0.46
0.32						
Pipe_-(68)	CONDUIT	1.75	4	17:01	2.70	0.34
0.40						
Pipe_-(69)	CONDUIT	1.46	4	17:01	2.32	0.29
0.39						
Pipe_-(7)	CONDUIT	3.09	4	16:42	1.46	0.18
1.00						
Pipe_-(70)	CONDUIT	1.17	4	17:00	2.14	0.23
0.35						
Pipe_-(71)	CONDUIT	0.88	4	17:00	1.93	0.17
0.30						
Pipe_-(72)	CONDUIT	0.58	4	17:00	1.65	0.11
0.25						
Pipe_-(73)	CONDUIT	0.29	4	17:00	1.29	0.09
0.24						
Pipe_-(74)	CONDUIT	2.12	4	16:48	1.84	0.43
1.00						
Pipe_-(75)	CONDUIT	1.70	4	16:49	2.03	0.33
0.99						
Pipe_-(76)	CONDUIT	1.36	4	16:59	2.18	0.27
0.90						
Pipe_-(77)	CONDUIT	1.07	4	17:00	2.05	0.21
0.74						
Pipe_-(78)	CONDUIT	0.78	4	17:00	1.85	0.15
0.58						
Pipe_-(79)	CONDUIT	0.49	4	17:00	1.52	0.10
0.42						
Pipe_-(8)	CONDUIT	3.55	7	02:52	1.06	0.21
1.00						
Pipe_-(80)	CONDUIT	0.19	4	17:00	1.04	0.06
0.31						
Pipe_-(81)	CONDUIT	9.93	4	16:39	4.21	0.23
1.00						
Pipe_-(82)	CONDUIT	9.93	4	16:36	3.47	0.68
1.00						
Pipe_-(83)	CONDUIT	7.64	4	16:40	2.98	0.50
1.00						
Pipe_-(84)	CONDUIT	6.98	4	16:34	3.19	0.50
1.00						
Pipe_-(85)	CONDUIT	6.85	4	16:34	3.41	1.09
1.00						
Pipe_-(87)	CONDUIT	6.07	4	16:43	4.13	0.24
0.95						
Pipe_-(88)	CONDUIT	3.60	4	17:00	5.33	0.30
0.81						
Pipe_-(89)	CONDUIT	3.11	4	17:00	3.79	0.29
0.65						
Pipe_-(9)	CONDUIT	4.05	7	02:54	1.12	0.61
1.00						
Pipe_-(90)	CONDUIT	2.63	4	17:00	3.13	0.47
0.60						
Pipe_-(91)	CONDUIT	2.14	4	17:00	2.64	0.69

0.69	Pipe_-_ (92)	CONDUIT	1.65	4	17:00	2.53	0.27
0.48	Pipe_-_ (93)	CONDUIT	1.17	4	17:00	2.24	0.19
0.34	Pipe_-_ (94)	CONDUIT	0.68	4	17:00	1.83	0.11
0.26	Pipe_-_ (95)	CONDUIT	0.39	4	17:00	1.59	0.06
0.20	Pipe_-_ (96)	CONDUIT	0.19	4	17:00	1.12	0.03
0.15	Pipe_-_ (97)	CONDUIT	0.29	4	17:00	1.30	0.05
0.19	Pipe_PS_A	CONDUIT	0.90	4	11:02	1.31	0.01
1.00	Pipe_PS_B	CONDUIT	9.39	4	16:42	1.91	2.38
1.00	Pipe468	CONDUIT	23.42	4	17:01	10.94	3.75
0.67	Pipe483	CONDUIT	1.55	4	16:59	1.98	0.40
1.00	PSC_Overflow	CONDUIT	8.21	7	02:32	7.81	1.01
1.00	PSC_to_Outfall	CONDUIT	13.37	5	15:01	6.97	0.52
0.82	004Pump1	PUMP	1.36	1	02:50		0.85
	77Pump1	PUMP	22.28	4	03:30		1.00
	77Pump2	PUMP	18.75	4	16:46		0.84
	CPump1	PUMP	6.68	4	04:07		1.00
	CPump2	PUMP	6.68	4	04:11		1.00
	Ditch4_Connection	WEIR	19.91	5	09:43		
0.51	PondOutlet	DUMMY	21.40	7	02:32		

\*\*\*\*\*  
Flow Classification Summary  
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		Adjusted	----- Fraction of Time in Flow Class							
		/Actual	Up	Down	Sub	Sup	Up	Down		
Norm	Inlet	Length	Dry	Dry	Dry	Crit	Crit	Crit	Crit	Ltd
		Ctrl								
172_to_Inlet	0.00	0.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00	





Pipe_-(155)	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00
0.19 0.00								
Pipe_-(156)	1.00	0.00	0.01	0.00	0.98	0.00	0.00	0.00
0.13 0.00								
Pipe_-(157)	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00
0.12 0.00								
Pipe_-(158)	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00
0.10 0.00								
Pipe_-(159)	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00
0.08 0.00								
Pipe_-(160)	1.00	0.00	0.00	0.00	0.98	0.00	0.00	0.02
0.00 0.00								
Pipe_-(161)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.01 0.00								
Pipe_-(162)	1.00	0.02	0.00	0.00	0.94	0.00	0.00	0.03
0.02 0.00								
Pipe_-(163)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00
0.00 0.00								
Pipe_-(164)	1.00	0.02	0.01	0.00	0.97	0.00	0.00	0.00
0.04 0.00								
Pipe_-(165)	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00
0.00 0.00								
Pipe_-(166)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.02 0.00								
Pipe_-(167)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.07 0.00								
Pipe_-(168)	1.00	0.00	0.01	0.00	0.98	0.00	0.00	0.00
0.05 0.00								
Pipe_-(169)	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00
0.15 0.00								
Pipe_-(170)	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00
0.24 0.00								
Pipe_-(171)	1.00	0.01	0.02	0.00	0.97	0.00	0.00	0.00
0.03 0.00								
Pipe_-(172)	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00
0.33 0.00								
Pipe_-(18)	1.00	0.00	0.07	0.00	0.93	0.00	0.00	0.00
0.10 0.00								
Pipe_-(19)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.28 0.00								
Pipe_-(196)	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00
0.01 0.00								
Pipe_-(197)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.01 0.00								
Pipe_-(198)	1.00	0.00	0.01	0.00	0.98	0.00	0.00	0.00
0.06 0.00								
Pipe_-(199)	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00
0.08 0.00								
Pipe_-(2)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.85 0.00								
Pipe_-(20)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.27 0.00								
Pipe_-(200)	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00





Pipe_-(230)	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00
0.18 0.00								
Pipe_-(231)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00
0.27 0.00								
Pipe_-(232)	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00
0.36 0.00								
Pipe_-(234)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.01 0.00								
Pipe_-(235)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.03 0.00								
Pipe_-(236)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.87 0.00								
Pipe_-(237)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00
0.05 0.00								
Pipe_-(238)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.01 0.00								
Pipe_-(239)	1.00	0.00	0.01	0.00	0.98	0.00	0.00	0.00
0.06 0.00								
Pipe_-(24)	1.00	0.07	0.00	0.00	0.93	0.00	0.00	0.00
0.00 0.00								
Pipe_-(240)	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00
0.08 0.00								
Pipe_-(241)	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00
0.10 0.00								
Pipe_-(242)	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00
0.12 0.00								
Pipe_-(243)	1.00	0.00	0.01	0.00	0.98	0.00	0.00	0.00
0.13 0.00								
Pipe_-(244)	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00
0.18 0.00								
Pipe_-(245)	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00
0.26 0.00								
Pipe_-(246)	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00
0.36 0.00								
Pipe_-(247)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00
0.05 0.00								
Pipe_-(248)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.01 0.00								
Pipe_-(249)	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00
0.05 0.00								
Pipe_-(25)	1.00	0.07	0.00	0.00	0.93	0.00	0.00	0.00
0.00 0.00								
Pipe_-(250)	1.00	0.00	0.01	0.00	0.98	0.00	0.00	0.00
0.06 0.00								
Pipe_-(251)	1.00	0.00	0.01	0.00	0.98	0.00	0.00	0.00
0.11 0.00								
Pipe_-(252)	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00
0.13 0.00								
Pipe_-(253)	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00
0.16 0.00								
Pipe_-(254)	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00
0.21 0.00								
Pipe_-(255)	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00



Pipe_-(31)	1.00	0.07	0.00	0.00	0.93	0.00	0.00	0.00
0.20 0.00								
Pipe_-(310)	1.00	0.00	0.00	0.00	0.00	0.19	0.00	0.81
0.17 0.00								
Pipe_-(311)	1.00	0.00	0.01	0.00	0.98	0.01	0.00	0.00
0.99 0.00								
Pipe_-(312)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.95 0.00								
Pipe_-(313)	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00
0.52 0.00								
Pipe_-(314)	1.00	0.00	0.00	0.00	0.99	0.00	0.00	0.01
0.99 0.00								
Pipe_-(319)	1.00	0.00	0.01	0.00	0.95	0.04	0.00	0.00
0.99 0.00								
Pipe_-(32)	1.00	0.07	0.00	0.00	0.93	0.00	0.00	0.00
0.00 0.00								
Pipe_-(320)	1.00	0.00	0.01	0.00	0.94	0.05	0.00	0.00
0.99 0.00								
Pipe_-(321)	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00
0.99 0.00								
Pipe_-(322)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.01 0.00								
Pipe_-(323)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.87 0.00								
Pipe_-(327)	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00
0.71 0.00								
Pipe_-(328)	1.00	0.01	0.00	0.00	0.01	0.03	0.00	0.95
0.04 0.00								
Pipe_-(329)	1.00	0.00	0.01	0.00	0.98	0.01	0.00	0.00
0.99 0.00								
Pipe_-(33)	1.00	0.07	0.00	0.00	0.93	0.00	0.00	0.00
0.19 0.00								
Pipe_-(331)	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99
0.00 0.00								
Pipe_-(333)	1.00	0.00	0.00	0.00	0.80	0.00	0.00	0.19
0.03 0.00								
Pipe_-(334)	1.00	0.00	0.00	0.00	0.01	0.11	0.00	0.89
0.11 0.00								
Pipe_-(337)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.01 0.00								
Pipe_-(338)	1.00	0.00	0.02	0.00	0.97	0.00	0.01	0.00
0.60 0.00								
Pipe_-(34)	1.00	0.00	0.07	0.00	0.93	0.00	0.00	0.00
0.01 0.00								
Pipe_-(340)	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00
0.98 0.00								
Pipe_-(35)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.92 0.00								
Pipe_-(358)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.88 0.00								
Pipe_-(359)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.12 0.00								
Pipe_-(36)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00



Pipe_-(389)	1.00	0.00	0.00	0.00	0.82	0.00	0.00	0.18
0.69 0.00								
Pipe_-(39)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.88 0.00								
Pipe_-(390)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.88 0.00								
Pipe_-(4)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.70 0.00								
Pipe_-(40)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(404)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.23 0.00								
Pipe_-(405)	1.00	0.02	0.00	0.00	0.75	0.00	0.00	0.23
0.46 0.00								
Pipe_-(408)	1.00	0.27	0.00	0.00	0.16	0.56	0.00	0.00
0.00 0.00								
Pipe_-(409)	1.00	0.27	0.17	0.00	0.42	0.14	0.00	0.00
0.25 0.00								
Pipe_-(41)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.34 0.00								
Pipe_-(410)	1.00	0.27	0.00	0.00	0.48	0.25	0.00	0.00
0.24 0.00								
Pipe_-(411)	1.00	0.27	0.00	0.00	0.23	0.49	0.00	0.00
0.29 0.00								
Pipe_-(412)	1.00	0.27	0.00	0.00	0.25	0.48	0.00	0.00
0.65 0.00								
Pipe_-(42)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.04 0.00								
Pipe_-(423)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(424)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(425)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(426)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(427)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(429)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.01 0.00								
Pipe_-(43)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.02 0.00								
Pipe_-(430)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(431)	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00
0.01 0.00								
Pipe_-(432)	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00
0.03 0.00								
Pipe_-(433)	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00
0.02 0.00								
Pipe_-(434)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(435)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00



Pipe_-(5)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.35 0.00								
Pipe_-(50)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.01 0.00								
Pipe_-(51)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(52)	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00
0.00 0.00								
Pipe_-(53)	1.00	0.01	0.00	0.00	0.88	0.00	0.00	0.11
0.01 0.00								
Pipe_-(54)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.81 0.00								
Pipe_-(55)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.84 0.00								
Pipe_-(56)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.96 0.00								
Pipe_-(57)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.92 0.00								
Pipe_-(58)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.92 0.00								
Pipe_-(59)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.94 0.00								
Pipe_-(6)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.27 0.00								
Pipe_-(60)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.99 0.00								
Pipe_-(65)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.26 0.00								
Pipe_-(66)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.98 0.00								
Pipe_-(67)	1.00	0.00	0.00	0.00	0.65	0.35	0.00	0.00
0.00 0.00								
Pipe_-(68)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.78 0.00								
Pipe_-(69)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.99 0.00								
Pipe_-(7)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.23 0.00								
Pipe_-(70)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
1.00 0.00								
Pipe_-(71)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
1.00 0.00								
Pipe_-(72)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
1.00 0.00								
Pipe_-(73)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
1.00 0.00								
Pipe_-(74)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.69 0.00								
Pipe_-(75)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.91 0.00								
Pipe_-(76)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.93 0.00								
Pipe_-(77)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00





PSC\_to\_Outfall            1.00   0.27   0.16   0.00   0.33   0.23   0.00   0.00  
0.24   0.00

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Conduit Surcharge Summary  
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Conduit	----- Both Ends	Hours Full Upstream	----- Dnstream	Hours Above Full Normal Flow	Hours Capacity Limited
172_to_Inlet	317.04	317.04	328.66	0.01	0.01
278_to_PS_B	11.54	11.54	65.16	0.01	0.01
381_to_PS77	18.98	19.04	19.24	0.01	7.45
458_to_Inlet	37.77	37.77	228.35	0.01	0.01
469_to_Inlet	251.38	251.38	318.80	0.01	0.01
Culvert11	222.89	223.14	222.89	235.12	190.84
Culvert12	223.19	223.32	223.19	234.68	189.83
Culvert12a	223.27	223.28	223.27	66.71	76.90
Culvert12c	223.78	223.78	223.78	1.06	31.62
Ditch_77	334.84	334.84	334.84	0.07	26.51
Ditch10	77.02	77.08	154.95	0.01	0.07
Ditch11	211.20	211.20	222.17	0.01	0.01
Ditch12	206.84	206.84	224.02	0.01	0.01
Ditch12a	0.01	0.01	65.09	0.01	0.01
Ditch18	223.47	223.47	225.32	0.01	0.01
Ditch2	250.43	250.46	250.45	0.02	49.65
Ditch3_4	237.97	237.97	323.26	0.01	0.01
Ditch9	0.01	0.01	174.15	0.01	0.01
Facility73_to_Pond	335.00	335.00	335.00	123.84	123.75
Pipe_-_ (1)	31.78	31.78	34.41	0.01	0.02
Pipe_-_ (10)	46.10	46.10	46.43	0.01	2.42
Pipe_-_ (10)_ (1)	46.43	46.43	46.75	0.01	2.33
Pipe_-_ (117)	26.09	26.09	239.53	0.01	0.01
Pipe_-_ (118)	21.02	21.02	26.09	0.01	0.01
Pipe_-_ (119)	0.01	0.01	21.02	0.01	0.01
Pipe_-_ (133)	264.20	264.20	269.51	0.01	0.01
Pipe_-_ (134)	260.93	260.93	264.20	0.01	0.07
Pipe_-_ (135)	258.23	258.23	260.93	0.01	0.17
Pipe_-_ (136)	216.44	216.44	258.23	0.01	0.01
Pipe_-_ (137)	50.60	50.60	216.45	0.01	0.01
Pipe_-_ (138)	45.80	45.80	50.60	0.01	0.01
Pipe_-_ (153)	48.13	48.13	224.26	0.01	0.01
Pipe_-_ (154)	69.01	69.01	238.28	0.01	0.01
Pipe_-_ (155)	217.05	217.05	250.35	0.01	0.01
Pipe_-_ (156)	235.76	235.76	253.10	0.01	0.01
Pipe_-_ (157)	247.67	247.67	264.27	0.01	0.01
Pipe_-_ (158)	259.50	259.50	280.02	0.01	0.01
Pipe_-_ (159)	272.00	272.00	292.00	0.01	0.01
Pipe_-_ (160)	288.02	288.02	293.79	0.01	0.02
Pipe_-_ (161)	296.57	296.57	298.97	0.01	0.02

Pipe_-(162)	283.09	283.09	299.48	0.01	0.01
Pipe_-(163)	311.50	311.50	317.04	0.01	0.01
Pipe_-(164)	265.37	265.37	316.45	0.01	0.01
Pipe_-(165)	299.72	299.72	310.19	0.01	0.01
Pipe_-(166)	306.13	306.13	309.54	0.01	0.01
Pipe_-(167)	291.35	291.35	306.13	0.01	0.01
Pipe_-(168)	269.04	269.04	291.35	0.01	0.01
Pipe_-(169)	235.40	235.40	272.10	0.01	0.01
Pipe_-(170)	152.87	152.87	248.11	0.01	0.01
Pipe_-(171)	85.91	85.91	152.87	0.01	0.01
Pipe_-(172)	53.36	53.36	324.56	0.01	0.01
Pipe_-(18)	95.29	95.29	215.61	0.01	0.01
Pipe_-(19)	53.18	53.18	142.25	0.01	0.01
Pipe_-(196)	295.44	295.44	303.02	0.01	0.01
Pipe_-(197)	296.52	296.52	298.90	0.01	0.01
Pipe_-(198)	284.35	284.35	296.52	0.01	0.01
Pipe_-(199)	272.04	272.04	291.99	0.01	0.01
Pipe_-(2)	34.41	34.41	38.83	0.01	0.02
Pipe_-(20)	46.96	46.96	53.18	0.01	0.01
Pipe_-(200)	259.49	259.49	280.09	0.01	0.01
Pipe_-(201)	249.43	249.43	264.35	0.01	0.01
Pipe_-(202)	235.73	235.73	254.73	0.01	0.01
Pipe_-(203)	217.08	217.08	250.36	0.01	0.01
Pipe_-(204)	68.88	68.88	238.24	0.01	0.01
Pipe_-(205)	48.18	48.18	224.31	0.01	0.01
Pipe_-(206)	300.69	300.69	310.19	0.01	0.01
Pipe_-(207)	302.88	302.88	305.19	0.01	0.04
Pipe_-(208)	287.86	287.86	302.88	0.01	0.01
Pipe_-(209)	279.74	279.74	291.86	0.01	0.01
Pipe_-(210)	253.90	253.90	288.04	0.01	0.01
Pipe_-(211)	240.21	240.21	262.07	0.01	0.01
Pipe_-(212)	221.26	221.26	245.73	0.01	0.01
Pipe_-(213)	67.28	67.28	227.15	0.01	0.01
Pipe_-(214)	54.67	54.67	216.28	0.01	0.01
Pipe_-(215)	48.25	48.25	113.81	0.01	0.01
Pipe_-(22)	240.20	281.45	240.20	268.89	240.20
Pipe_-(221)	294.37	294.37	315.68	0.01	0.01
Pipe_-(222)	297.06	297.06	312.62	0.01	0.01
Pipe_-(223)	292.64	292.64	310.35	0.01	0.01
Pipe_-(224)	290.35	290.35	299.51	0.01	0.01
Pipe_-(225)	284.36	284.36	303.68	0.01	0.01
Pipe_-(226)	272.01	272.01	292.05	0.01	0.01
Pipe_-(227)	259.46	259.46	280.09	0.01	0.01
Pipe_-(228)	247.57	247.57	264.24	0.01	0.01
Pipe_-(229)	235.59	235.59	253.08	0.01	0.01
Pipe_-(23)	238.55	238.64	238.60	236.99	237.16
Pipe_-(230)	217.08	217.08	250.33	0.01	0.01
Pipe_-(231)	56.72	56.72	237.99	0.01	0.01
Pipe_-(232)	47.98	47.98	220.43	0.01	0.01
Pipe_-(234)	2.49	2.49	329.69	0.01	0.01
Pipe_-(235)	0.01	0.01	2.49	0.01	0.01
Pipe_-(237)	287.38	287.38	310.35	0.01	0.01
Pipe_-(238)	296.60	296.60	299.25	0.01	0.01

Pipe_-(239)	284.35	284.35	296.60	0.01	0.01
Pipe_-(24)	238.30	238.60	238.49	237.23	237.03
Pipe_-(240)	272.02	272.02	292.02	0.01	0.01
Pipe_-(241)	259.54	259.54	280.09	0.01	0.01
Pipe_-(242)	247.70	247.70	264.31	0.01	0.01
Pipe_-(243)	235.60	235.60	253.12	0.01	0.01
Pipe_-(244)	218.12	218.12	250.29	0.01	0.01
Pipe_-(245)	68.98	68.98	239.35	0.01	0.01
Pipe_-(246)	48.15	48.15	224.46	0.01	0.01
Pipe_-(247)	289.14	289.14	314.56	0.01	0.01
Pipe_-(248)	302.96	302.96	305.56	0.01	0.04
Pipe_-(249)	287.89	287.89	302.96	0.01	0.01
Pipe_-(25)	237.98	238.49	238.45	237.47	236.89
Pipe_-(250)	279.73	279.73	291.86	0.01	0.01
Pipe_-(251)	253.93	253.93	288.09	0.01	0.01
Pipe_-(252)	240.20	240.20	262.15	0.01	0.01
Pipe_-(253)	221.32	221.32	245.84	0.01	0.01
Pipe_-(254)	67.69	67.69	227.16	0.01	0.01
Pipe_-(255)	54.71	54.71	216.02	0.01	0.01
Pipe_-(256)	47.12	47.12	113.98	0.01	0.01
Pipe_-(257)	45.48	45.48	54.51	0.01	0.01
Pipe_-(258)	45.48	45.48	45.48	13.15	21.30
Pipe_-(259)	40.31	40.31	45.39	0.01	0.01
Pipe_-(26)	238.28	238.45	238.35	236.70	236.89
Pipe_-(260)	43.29	43.29	45.61	0.01	0.01
Pipe_-(261)	38.91	38.91	45.48	0.01	0.01
Pipe_-(268)	0.01	0.01	11.27	0.01	0.01
Pipe_-(27)	238.22	238.35	238.24	237.73	237.05
Pipe_-(277)	0.01	0.01	18.64	0.01	0.01
Pipe_-(278)	0.01	0.01	328.92	0.01	0.01
Pipe_-(28)	237.90	238.24	237.99	236.72	236.95
Pipe_-(285)	0.01	0.01	328.92	0.01	0.01
Pipe_-(29)	237.14	237.99	237.29	236.58	236.62
Pipe_-(295)	0.01	0.01	23.30	0.01	0.01
Pipe_-(296)	0.01	0.01	328.72	0.01	0.01
Pipe_-(3)	38.83	38.83	41.49	0.01	0.02
Pipe_-(30)	236.59	237.29	236.69	236.50	236.25
Pipe_-(308)	0.01	0.01	0.01	0.64	0.01
Pipe_-(309)	0.01	0.01	0.01	2.36	0.01
Pipe_-(31)	236.25	236.69	236.29	235.56	236.05
Pipe_-(313)	0.11	0.26	0.11	1.43	0.11
Pipe_-(314)	0.01	0.01	2.52	0.01	0.01
Pipe_-(319)	1.67	1.67	21.85	0.99	0.99
Pipe_-(32)	234.52	236.29	234.56	235.69	234.50
Pipe_-(320)	0.58	0.58	24.02	0.01	0.01
Pipe_-(323)	0.01	0.01	0.01	1.21	0.01
Pipe_-(33)	226.38	234.56	226.38	235.73	226.38
Pipe_-(333)	0.97	1.08	0.97	1.68	0.97
Pipe_-(34)	22.36	226.38	22.36	235.10	22.36
Pipe_-(358)	11.09	11.09	15.32	0.01	0.01
Pipe_-(359)	0.01	0.01	11.09	0.01	0.01
Pipe_-(360)	15.32	15.32	17.41	0.01	0.01
Pipe_-(361)	19.08	19.08	23.95	0.01	0.01

Pipe_-(362)	23.95	23.95	29.16	0.01	0.01
Pipe_-(363)	29.16	29.16	35.48	0.01	0.01
Pipe_-(364)	27.56	27.56	35.83	0.01	0.01
Pipe_-(365)	35.83	35.83	322.77	0.01	0.01
Pipe_-(366)	216.58	216.58	270.09	0.01	0.01
Pipe_-(367)	216.58	216.58	254.13	0.01	0.04
Pipe_-(369)	26.86	26.86	298.51	0.01	0.01
Pipe_-(370)	294.54	294.54	295.49	87.61	99.37
Pipe_-(377)	43.90	43.90	55.37	0.01	0.01
Pipe_-(378)	51.78	51.78	276.97	0.01	0.01
Pipe_-(379)	276.97	276.97	334.90	0.01	0.01
Pipe_-(380)	0.01	0.01	49.18	0.01	0.01
Pipe_-(381)	7.28	7.28	34.19	0.01	0.01
Pipe_-(382)	54.20	54.20	253.04	0.01	0.01
Pipe_-(383)	46.02	46.02	54.20	0.01	0.01
Pipe_-(384)	36.10	36.10	46.48	0.01	0.01
Pipe_-(385)	5.32	5.32	33.05	0.01	0.01
Pipe_-(389)	24.92	24.92	193.08	0.01	0.01
Pipe_-(39)	0.01	0.01	20.86	0.01	0.01
Pipe_-(4)	36.12	36.12	39.64	0.01	0.01
Pipe_-(40)	20.85	20.86	21.45	0.01	0.30
Pipe_-(404)	52.84	52.84	334.87	0.01	0.01
Pipe_-(405)	46.90	46.90	49.63	0.01	0.01
Pipe_-(41)	21.45	21.45	31.48	0.01	0.01
Pipe_-(42)	31.48	31.48	35.52	0.01	0.04
Pipe_-(423)	334.73	334.73	334.79	109.48	114.56
Pipe_-(424)	334.79	334.79	334.95	110.04	115.48
Pipe_-(425)	334.95	334.95	334.98	109.96	112.98
Pipe_-(426)	334.99	334.99	335.00	110.02	115.93
Pipe_-(427)	335.00	335.00	335.00	110.44	111.26
Pipe_-(429)	227.99	227.99	227.99	0.01	62.28
Pipe_-(43)	35.52	35.52	36.01	0.01	2.21
Pipe_-(430)	227.99	227.99	228.00	0.01	38.68
Pipe_-(431)	228.00	228.00	228.43	0.01	0.18
Pipe_-(432)	228.01	228.01	228.14	0.01	1.23
Pipe_-(433)	228.14	228.14	228.98	0.01	0.01
Pipe_-(434)	334.77	334.77	334.86	107.94	111.37
Pipe_-(435)	334.86	334.86	334.86	107.49	112.50
Pipe_-(436)	334.86	334.86	334.89	105.11	108.20
Pipe_-(437)	334.89	334.89	334.90	106.52	111.48
Pipe_-(438)	334.90	334.90	334.93	105.16	107.09
Pipe_-(439)	334.72	334.72	334.94	0.01	0.01
Pipe_-(44)	36.01	36.01	36.79	0.01	0.10
Pipe_-(443)	26.82	26.82	251.38	0.01	0.01
Pipe_-(444)	23.93	23.93	26.82	0.01	0.01
Pipe_-(445)	21.64	21.64	23.93	0.01	0.01
Pipe_-(446)	20.12	20.12	21.64	0.01	0.01
Pipe_-(447)	334.74	334.74	334.76	0.01	0.01
Pipe_-(448)	334.76	334.76	334.81	0.01	0.01
Pipe_-(449)	334.81	334.81	334.84	0.01	0.01
Pipe_-(45)	38.85	38.85	43.57	0.01	0.01
Pipe_-(450)	291.44	291.44	294.54	44.92	48.03
Pipe_-(452)	227.97	227.97	227.99	0.02	15.06

Pipe_-(453)	227.97	227.97	227.97	0.01	3.60
Pipe_-(454)	227.97	227.97	227.97	0.01	3.34
Pipe_-(455)	227.96	227.96	227.97	0.01	0.01
Pipe_-(456)	227.95	227.95	227.96	0.01	23.80
Pipe_-(460)	334.86	334.86	334.87	0.01	0.01
Pipe_-(461)	289.27	289.27	289.27	177.02	166.75
Pipe_-(462)	271.78	271.78	297.32	0.01	0.01
Pipe_-(47)	43.57	43.57	48.34	0.01	0.01
Pipe_-(49)	48.34	48.34	53.06	0.01	0.01
Pipe_-(5)	39.64	39.64	46.54	0.01	0.01
Pipe_-(50)	53.06	53.06	55.52	0.01	0.01
Pipe_-(51)	55.50	55.52	55.58	21.90	22.91
Pipe_-(52)	52.77	52.77	53.03	2.36	7.11
Pipe_-(53)	53.03	53.03	74.46	0.01	0.01
Pipe_-(6)	46.54	46.54	52.31	0.01	0.01
Pipe_-(65)	2.01	2.08	3.03	0.01	0.06
Pipe_-(66)	0.01	0.01	2.08	0.01	0.01
Pipe_-(7)	44.98	44.98	47.68	0.01	0.01
Pipe_-(74)	4.45	4.45	8.79	0.01	0.01
Pipe_-(75)	0.01	0.01	4.45	0.01	0.01
Pipe_-(8)	47.68	47.68	52.65	0.01	0.01
Pipe_-(81)	3.20	3.20	43.43	0.01	0.01
Pipe_-(82)	23.53	23.54	24.77	0.01	0.08
Pipe_-(83)	20.65	20.67	23.54	0.01	0.04
Pipe_-(84)	18.36	18.38	20.67	0.01	0.03
Pipe_-(85)	21.03	21.08	23.54	0.02	0.07
Pipe_-(87)	0.01	0.01	21.08	0.01	0.01
Pipe_-(9)	52.65	52.65	53.52	0.01	0.33
Pipe_PS_A	17.41	17.41	227.95	0.01	0.01
Pipe_PS_B	54.16	54.16	54.47	5.08	11.60
Pipe468	0.01	0.01	0.01	12.11	0.01
Pipe483	14.06	14.06	287.61	0.01	0.01
PSC_Overflow	51.38	51.38	232.87	0.08	0.01
PSC_to_Outfall	0.01	140.16	0.01	0.01	0.01

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Pumping Summary  
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-----				Min	Avg	Max
Total	Power	% Time Off		Flow	Flow	Flow
Volume	Usage	Percent		CFS	CFS	CFS
Pump	Kw-hr	Pump Curve				
10^6 gal		Low	High			
-----						
004Pump1		91.99	1	0.00	0.37	1.36

3.048	250.87	0.0	0.0				
	77Pump1		32.50	25	0.00	14.65	22.28
42.947	6630.26	0.0	4.1				
	77Pump2		16.87	1	0.00	10.55	18.75
16.051	2951.37	0.0	0.0				
	CPump1		39.84	133	0.00	6.68	6.68
24.024	2894.93	0.0	0.0				
	CPump2		36.97	24	0.00	6.68	6.68
22.293	2808.08	0.0	0.0				

Analysis begun on: Tue Aug 16 10:59:16 2022

Analysis ended on: Tue Aug 16 11:14:03 2022

Total elapsed time: 00:14:47

EPA STORM WATER MANAGEMENT MODEL - VERSION 5.1 (Build 5.1.015)

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WARNING 09: time series interval greater than recording interval for Rain Gage Null

- WARNING 08: elevation drop exceeds length for Conduit 172\_to\_Inlet
- WARNING 04: minimum elevation drop used for Conduit 381\_to\_PS77
- WARNING 08: elevation drop exceeds length for Conduit 458\_to\_Inlet
- WARNING 08: elevation drop exceeds length for Conduit 469\_to\_Inlet
- WARNING 04: minimum elevation drop used for Conduit Culvert11
- WARNING 04: minimum elevation drop used for Conduit Culvert12
- WARNING 04: minimum elevation drop used for Conduit Culvert12a
- WARNING 04: minimum elevation drop used for Conduit Culvert12c
- WARNING 04: minimum elevation drop used for Conduit Ditch13
- WARNING 04: minimum elevation drop used for Conduit Ditch2
- WARNING 04: minimum elevation drop used for Conduit Ditch4\_489
- WARNING 04: minimum elevation drop used for Conduit Ditch6
- WARNING 04: minimum elevation drop used for Conduit Facility73\_to\_Pond
- WARNING 04: minimum elevation drop used for Conduit Pipe\_-(258)
- WARNING 04: minimum elevation drop used for Conduit Pipe\_-(374)
- WARNING 04: minimum elevation drop used for Conduit Pipe\_-(461)
- WARNING 02: maximum depth increased for Node Ditch1\_2
- WARNING 02: maximum depth increased for Node Ditch17\_5\_6
- WARNING 02: maximum depth increased for Node Ditch2\_3
- WARNING 02: maximum depth increased for Node Ditch3\_Out
- WARNING 02: maximum depth increased for Node Ditch4\_In
- WARNING 02: maximum depth increased for Node Ditch6\_7
- WARNING 02: maximum depth increased for Node Ditch7\_8
- WARNING 02: maximum depth increased for Node Structure\_-(489)

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Element Count

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Number of rain gages ..... 1  
 Number of subcatchments ... 14  
 Number of nodes ..... 333  
 Number of links ..... 327  
 Number of pollutants ..... 0  
 Number of land uses ..... 0

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Raingage Summary

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Name	Data Source	Data Type	Recording Interval
Null	Null	INTENSITY	60 min.

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Subcatchment Summary



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Name	Area	Width	%Imperv	%Slope	Rain Gage
Outlet					
-----					
2.1 Structure602	88.70	1950.00	70.12	0.5000	Null
2.2 Ditch9_Inlet	52.40	1400.00	4.01	0.5000	Null
2.3 Structure_-(395)	9.40	450.00	2.13	0.5000	Null
2.4 Ditch4_In	33.10	1560.00	5.14	0.5000	Null
3 SDCB294	17.20	800.00	39.65	0.5000	Null
5 5_Dummy_Outlet	17.20	850.00	2.91	0.5000	Null
A Ditch4_In	40.50	1950.00	6.42	0.5000	Null
B Ditch2_3	21.40	850.00	1.87	0.5000	Null
C C_Dummy_Outlet	17.30	1200.00	6.94	0.5000	Null
D D_Dummy_Outlet	14.10	1350.00	49.65	0.5000	Null
E E_Dummy_Outlet	10.70	750.00	11.21	0.5000	Null
F F_Dummy_Outlet	12.90	1400.00	6.20	0.5000	Null
G G_Dummy_Outlet	5.60	680.00	3.57	0.5000	Null
H H_Dummy_Outlet	12.70	840.00	3.15	0.5000	Null

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Node Summary

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External Name	Type	Invert Elev.	Max. Depth	Ponded Area	
Inflow					
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CB19	JUNCTION	6.61	5.52	100.0	Yes
CB22	JUNCTION	6.02	5.00	100.0	Yes
CB30	JUNCTION	7.17	5.00	100.0	Yes
CB31	JUNCTION	7.40	5.00	100.0	Yes
CB33	JUNCTION	7.17	5.00	100.0	Yes
Culvert_Ditch11	JUNCTION	3.34	5.00	100.0	
Culvert_Ditch12	JUNCTION	2.98	5.00	100.0	

Culvert_Ditch12a	JUNCTION	2.39	5.00	100.0	
Culvert_Ditch12b	JUNCTION	2.39	5.00	100.0	
Culvert_Ditch12c	JUNCTION	0.50	5.00	100.0	
Ditch1_2	JUNCTION	1.00	5.50	100.0	
Ditch10_Inlet	JUNCTION	3.80	5.00	100.0	Yes
Ditch11_12	JUNCTION	2.98	5.00	100.0	Yes
Ditch12_18	JUNCTION	0.50	5.00	100.0	Yes
Ditch14_15	JUNCTION	4.12	5.00	100.0	Yes
Ditch15_16	JUNCTION	3.12	5.00	100.0	Yes
Ditch16_17	JUNCTION	2.18	5.00	100.0	Yes
Ditch17_5_6	JUNCTION	1.24	7.00	100.0	Yes
Ditch2_3	JUNCTION	1.00	11.00	100.0	Yes
Ditch3_Out	JUNCTION	1.00	10.00	100.0	
Ditch4_Berm	JUNCTION	4.00	10.00	100.0	
Ditch4_In	JUNCTION	5.00	10.00	100.0	Yes
Ditch4_Out	JUNCTION	3.00	14.00	100.0	
Ditch5_Inlet	JUNCTION	2.25	5.00	100.0	Yes
Ditch6_7	JUNCTION	1.24	7.00	100.0	Yes
Ditch7_8	JUNCTION	-2.32	8.78	100.0	Yes
Ditch9_10_11	JUNCTION	3.34	5.00	100.0	Yes
Ditch9_Inlet	JUNCTION	8.46	5.00	100.0	Yes
Facility77_PS	JUNCTION	8.30	1.67	100.0	
PS004	JUNCTION	-2.00	6.00	100.0	
PSC_Outlet	JUNCTION	11.50	1.67	100.0	
SDCB294	JUNCTION	2.53	6.00	100.0	Yes
SDCB541	JUNCTION	5.31	5.00	100.0	Yes
SDCB543	JUNCTION	7.11	5.75	100.0	Yes
SDCB6003	JUNCTION	2.93	7.65	100.0	Yes
SDCB6005	JUNCTION	5.75	5.00	100.0	Yes
SDMH297	JUNCTION	2.48	6.22	100.0	Yes
SDMH299	JUNCTION	2.50	6.35	100.0	Yes
SDMH301	JUNCTION	2.30	5.00	100.0	Yes
SDMH538	JUNCTION	4.88	5.00	100.0	Yes
SDMH539	JUNCTION	3.53	6.35	100.0	Yes
SDMH540	JUNCTION	3.78	5.75	100.0	Yes
Structure_-_ (1)	JUNCTION	7.42	5.00	100.0	Yes
Structure_-_ (10)	JUNCTION	4.74	9.44	100.0	Yes
Structure_-_ (100)	JUNCTION	10.62	5.00	100.0	Yes
Structure_-_ (101)	JUNCTION	10.67	5.00	100.0	Yes
Structure_-_ (102)	JUNCTION	10.50	5.00	100.0	Yes
Structure_-_ (123)	JUNCTION	7.46	8.18	100.0	Yes
Structure_-_ (124)	JUNCTION	7.70	8.66	100.0	Yes
Structure_-_ (125)	JUNCTION	9.82	5.00	100.0	Yes
Structure_-_ (126)	JUNCTION	10.12	5.00	100.0	Yes
Structure_-_ (128)	JUNCTION	11.13	5.00	100.0	Yes
Structure_-_ (129)	JUNCTION	12.81	5.00	100.0	Yes
Structure_-_ (130)	JUNCTION	10.61	5.00	100.0	Yes
Structure_-_ (131)	JUNCTION	11.13	5.00	100.0	Yes
Structure_-_ (132)	JUNCTION	11.93	5.00	100.0	Yes
Structure_-_ (133)	JUNCTION	10.62	5.00	100.0	Yes
Structure_-_ (134)	JUNCTION	11.30	5.00	100.0	Yes
Structure_-_ (136)	JUNCTION	11.83	5.00	100.0	Yes
Structure_-_ (139)	JUNCTION	4.12	7.40	100.0	Yes

Structure_-(140)	JUNCTION	4.22	7.05	100.0	Yes
Structure_-(141)	JUNCTION	3.60	6.40	100.0	Yes
Structure_-(142)	JUNCTION	5.44	5.00	100.0	Yes
Structure_-(143)	JUNCTION	6.40	6.06	100.0	Yes
Structure_-(144)	JUNCTION	6.76	5.41	100.0	Yes
Structure_-(161)	JUNCTION	6.13	5.00	100.0	Yes
Structure_-(162)	JUNCTION	5.25	5.00	100.0	Yes
Structure_-(163)	JUNCTION	4.62	5.00	100.0	Yes
Structure_-(164)	JUNCTION	4.03	5.00	100.0	Yes
Structure_-(165)	JUNCTION	3.70	5.00	100.0	Yes
Structure_-(166)	JUNCTION	3.35	5.00	100.0	Yes
Structure_-(167)	JUNCTION	2.79	5.00	100.0	Yes
Structure_-(168)	JUNCTION	2.15	5.00	100.0	Yes
Structure_-(169)	JUNCTION	1.58	5.00	100.0	Yes
Structure_-(170)	JUNCTION	1.40	10.49	100.0	Yes
Structure_-(171)	JUNCTION	-1.58	13.71	100.0	Yes
Structure_-(172)	JUNCTION	-3.00	5.00	100.0	Yes
Structure_-(173)	JUNCTION	0.55	10.11	100.0	Yes
Structure_-(174)	JUNCTION	1.10	9.56	100.0	Yes
Structure_-(175)	JUNCTION	1.36	14.78	100.0	Yes
Structure_-(176)	JUNCTION	2.44	12.83	100.0	Yes
Structure_-(177)	JUNCTION	3.34	10.94	100.0	Yes
Structure_-(178)	JUNCTION	4.34	5.00	100.0	Yes
Structure_-(179)	JUNCTION	5.24	5.00	100.0	Yes
Structure_-(180)	JUNCTION	4.59	9.53	100.0	Yes
Structure_-(181)	JUNCTION	6.13	9.00	100.0	Yes
Structure_-(19)	JUNCTION	5.05	9.03	100.0	Yes
Structure_-(2)	JUNCTION	7.31	5.43	100.0	Yes
Structure_-(20)	JUNCTION	5.77	5.00	100.0	Yes
Structure_-(205)	JUNCTION	1.40	7.75	100.0	Yes
Structure_-(206)	JUNCTION	1.58	5.00	100.0	Yes
Structure_-(207)	JUNCTION	2.15	5.00	100.0	Yes
Structure_-(208)	JUNCTION	2.79	5.00	100.0	Yes
Structure_-(209)	JUNCTION	3.35	5.00	100.0	Yes
Structure_-(21)	JUNCTION	6.16	5.00	100.0	Yes
Structure_-(210)	JUNCTION	3.65	5.00	100.0	Yes
Structure_-(211)	JUNCTION	4.03	5.00	100.0	Yes
Structure_-(212)	JUNCTION	4.62	5.00	100.0	Yes
Structure_-(213)	JUNCTION	5.25	5.00	100.0	Yes
Structure_-(214)	JUNCTION	6.13	5.00	100.0	Yes
Structure_-(215)	JUNCTION	0.93	9.12	100.0	Yes
Structure_-(216)	JUNCTION	1.11	5.00	100.0	Yes
Structure_-(217)	JUNCTION	1.91	5.00	100.0	Yes
Structure_-(218)	JUNCTION	2.40	5.00	100.0	Yes
Structure_-(219)	JUNCTION	3.42	5.00	100.0	Yes
Structure_-(220)	JUNCTION	3.91	5.00	100.0	Yes
Structure_-(221)	JUNCTION	4.42	5.00	100.0	Yes
Structure_-(222)	JUNCTION	4.96	5.00	100.0	Yes
Structure_-(223)	JUNCTION	5.46	5.00	100.0	Yes
Structure_-(23)	JUNCTION	14.48	0.25	100.0	
Structure_-(230)	JUNCTION	-0.26	11.22	100.0	Yes
Structure_-(231)	JUNCTION	0.55	9.83	100.0	Yes
Structure_-(232)	JUNCTION	1.36	9.03	100.0	Yes

Structure_-(233)	JUNCTION	1.06	7.30	100.0	Yes
Structure_-(234)	JUNCTION	2.15	6.18	100.0	Yes
Structure_-(235)	JUNCTION	2.79	5.91	100.0	Yes
Structure_-(236)	JUNCTION	3.35	5.25	100.0	Yes
Structure_-(237)	JUNCTION	3.70	5.00	100.0	Yes
Structure_-(238)	JUNCTION	4.03	5.00	100.0	Yes
Structure_-(239)	JUNCTION	4.62	5.00	100.0	
Structure_-(24)	JUNCTION	14.47	5.00	100.0	
Structure_-(240)	JUNCTION	5.34	5.00	100.0	Yes
Structure_-(241)	JUNCTION	6.13	5.00	100.0	Yes
Structure_-(242)	JUNCTION	3.20	5.00	100.0	Yes
Structure_-(243)	JUNCTION	3.76	6.82	100.0	Yes
Structure_-(244)	JUNCTION	4.68	6.60	100.0	Yes
Structure_-(245)	JUNCTION	4.95	6.00	100.0	Yes
Structure_-(246)	JUNCTION	1.38	8.96	100.0	Yes
Structure_-(247)	JUNCTION	1.58	5.00	100.0	Yes
Structure_-(248)	JUNCTION	2.15	5.00	100.0	Yes
Structure_-(249)	JUNCTION	2.79	5.00	100.0	Yes
Structure_-(25)	JUNCTION	14.40	0.50	100.0	
Structure_-(250)	JUNCTION	3.35	5.00	100.0	Yes
Structure_-(251)	JUNCTION	3.70	5.00	100.0	Yes
Structure_-(252)	JUNCTION	4.03	5.00	100.0	Yes
Structure_-(253)	JUNCTION	4.59	5.00	100.0	Yes
Structure_-(254)	JUNCTION	5.25	5.00	100.0	Yes
Structure_-(255)	JUNCTION	6.13	5.00	100.0	Yes
Structure_-(256)	JUNCTION	0.93	9.63	100.0	Yes
Structure_-(257)	JUNCTION	1.11	5.00	100.0	Yes
Structure_-(258)	JUNCTION	1.91	5.00	100.0	Yes
Structure_-(259)	JUNCTION	2.40	5.00	100.0	Yes
Structure_-(26)	JUNCTION	14.08	0.50	100.0	
Structure_-(260)	JUNCTION	3.42	5.00	100.0	Yes
Structure_-(261)	JUNCTION	3.91	5.00	100.0	Yes
Structure_-(262)	JUNCTION	4.42	5.00	100.0	Yes
Structure_-(263)	JUNCTION	4.96	5.00	100.0	Yes
Structure_-(264)	JUNCTION	5.46	5.00	100.0	Yes
Structure_-(265)	JUNCTION	6.13	5.00	100.0	Yes
Structure_-(266)	JUNCTION	6.79	5.99	100.0	Yes
Structure_-(267)	JUNCTION	6.79	5.00	100.0	
Structure_-(268)	JUNCTION	7.28	5.00	100.0	Yes
Structure_-(269)	JUNCTION	7.49	5.00	100.0	Yes
Structure_-(27)	JUNCTION	13.18	0.50	100.0	
Structure_-(270)	JUNCTION	7.42	5.00	100.0	Yes
Structure_-(273)	JUNCTION	11.13	5.00	100.0	Yes
Structure_-(274)	JUNCTION	10.63	5.00	100.0	Yes
Structure_-(275)	JUNCTION	10.45	5.00	100.0	Yes
Structure_-(276)	JUNCTION	9.27	5.00	100.0	Yes
Structure_-(277)	JUNCTION	8.39	5.85	100.0	Yes
Structure_-(278)	JUNCTION	7.66	6.47	100.0	Yes
Structure_-(28)	JUNCTION	13.06	0.50	100.0	
Structure_-(287)	JUNCTION	10.45	5.00	100.0	Yes
Structure_-(288)	JUNCTION	11.23	5.00	100.0	Yes
Structure_-(29)	JUNCTION	12.99	0.50	100.0	
Structure_-(298)	JUNCTION	10.43	5.00	100.0	Yes

Structure_-(3)	JUNCTION	6.95	5.07	100.0	Yes
Structure_-(30)	JUNCTION	12.70	0.50	100.0	
Structure_-(305)	JUNCTION	10.68	5.00	100.0	Yes
Structure_-(306)	JUNCTION	11.73	5.00	100.0	Yes
Structure_-(31)	JUNCTION	11.93	0.50	100.0	
Structure_-(319)	JUNCTION	6.31	5.00	100.0	Yes
Structure_-(32)	JUNCTION	11.54	0.50	100.0	
Structure_-(320)	JUNCTION	6.16	5.00	100.0	Yes
Structure_-(325)	JUNCTION	5.48	5.00	100.0	Yes
Structure_-(326)	JUNCTION	7.45	5.00	100.0	Yes
Structure_-(33)	JUNCTION	11.34	0.50	100.0	
Structure_-(331)	JUNCTION	8.05	5.00	100.0	Yes
Structure_-(332)	JUNCTION	8.05	5.00	100.0	Yes
Structure_-(333)	JUNCTION	6.72	5.00	100.0	Yes
Structure_-(34)	JUNCTION	10.58	0.50	100.0	
Structure_-(341)	JUNCTION	6.44	7.90	100.0	Yes
Structure_-(35)	JUNCTION	9.28	0.50	100.0	
Structure_-(37)	JUNCTION	8.81	6.29	100.0	Yes
Structure_-(370)	JUNCTION	8.23	5.00	100.0	Yes
Structure_-(371)	JUNCTION	8.41	5.00	100.0	Yes
Structure_-(372)	JUNCTION	10.48	5.00	100.0	Yes
Structure_-(373)	JUNCTION	8.15	5.00	100.0	Yes
Structure_-(374)	JUNCTION	8.94	6.40	100.0	Yes
Structure_-(375)	JUNCTION	8.64	6.40	100.0	Yes
Structure_-(376)	JUNCTION	8.40	6.40	100.0	Yes
Structure_-(377)	JUNCTION	8.10	6.82	100.0	Yes
Structure_-(378)	JUNCTION	7.73	6.40	100.0	Yes
Structure_-(379)	JUNCTION	2.31	10.70	100.0	Yes
Structure_-(38)	JUNCTION	8.52	5.00	100.0	Yes
Structure_-(380)	JUNCTION	3.13	8.70	100.0	Yes
Structure_-(381)	JUNCTION	2.95	10.00	100.0	
Structure_-(389)	JUNCTION	11.23	5.00	100.0	Yes
Structure_-(39)	JUNCTION	8.41	7.14	100.0	Yes
Structure_-(390)	JUNCTION	11.23	5.00	100.0	Yes
Structure_-(391)	JUNCTION	10.75	5.00	100.0	Yes
Structure_-(392)	JUNCTION	6.74	8.39	100.0	Yes
Structure_-(393)	JUNCTION	5.80	9.07	100.0	Yes
Structure_-(394)	JUNCTION	4.05	10.98	100.0	Yes
Structure_-(395)	JUNCTION	2.29	10.70	100.0	Yes
Structure_-(396)	JUNCTION	11.62	5.00	100.0	Yes
Structure_-(397)	JUNCTION	8.80	5.00	100.0	Yes
Structure_-(398)	JUNCTION	6.70	5.00	100.0	Yes
Structure_-(399)	JUNCTION	7.38	5.00	100.0	Yes
Structure_-(4)	JUNCTION	6.69	6.17	100.0	Yes
Structure_-(40)	JUNCTION	8.23	6.49	100.0	Yes
Structure_-(400)	JUNCTION	7.90	5.00	100.0	Yes
Structure_-(401)	JUNCTION	9.70	5.00	100.0	Yes
Structure_-(404)	JUNCTION	11.04	5.00	100.0	Yes
Structure_-(405)	JUNCTION	11.84	5.00	100.0	Yes
Structure_-(407)	JUNCTION	8.80	5.00	100.0	Yes
Structure_-(408)	JUNCTION	9.47	5.00	100.0	Yes
Structure_-(41)	JUNCTION	6.04	8.46	100.0	Yes
Structure_-(42)	JUNCTION	6.00	8.33	100.0	Yes

Structure_-(426)	JUNCTION	6.36	5.00	100.0	Yes
Structure_-(427)	JUNCTION	5.22	6.00	100.0	Yes
Structure_-(43)	JUNCTION	5.46	6.72	100.0	Yes
Structure_-(431)	JUNCTION	-5.37	2.50	100.0	
Structure_-(432)	JUNCTION	-5.03	2.50	100.0	
Structure_-(433)	JUNCTION	-4.71	2.50	100.0	
Structure_-(434)	JUNCTION	-3.55	2.50	100.0	
Structure_-(435)	JUNCTION	-3.54	2.50	100.0	
Structure_-(44)	JUNCTION	5.22	9.29	100.0	Yes
Structure_-(446)	JUNCTION	9.97	1.67	100.0	
Structure_-(447)	JUNCTION	9.60	1.50	100.0	
Structure_-(448)	JUNCTION	9.29	1.50	100.0	
Structure_-(449)	JUNCTION	7.30	1.50	100.0	
Structure_-(45)	JUNCTION	5.18	5.00	100.0	Yes
Structure_-(450)	JUNCTION	6.70	1.50	100.0	
Structure_-(451)	JUNCTION	6.50	1.50	100.0	
Structure_-(453)	JUNCTION	3.95	5.00	100.0	
Structure_-(454)	JUNCTION	3.94	5.00	100.0	
Structure_-(455)	JUNCTION	3.93	5.00	100.0	
Structure_-(456)	JUNCTION	3.73	5.00	100.0	
Structure_-(457)	JUNCTION	3.63	5.00	100.0	
Structure_-(458)	JUNCTION	3.40	5.00	100.0	
Structure_-(459)	JUNCTION	6.67	1.67	100.0	
Structure_-(46)	JUNCTION	5.11	5.00	100.0	Yes
Structure_-(460)	JUNCTION	6.63	1.67	100.0	
Structure_-(461)	JUNCTION	6.03	1.67	100.0	
Structure_-(462)	JUNCTION	5.88	1.67	100.0	
Structure_-(463)	JUNCTION	4.13	1.67	100.0	
Structure_-(469)	JUNCTION	3.50	5.00	100.0	Yes
Structure_-(47)	JUNCTION	4.65	8.45	100.0	Yes
Structure_-(470)	JUNCTION	7.10	5.00	100.0	Yes
Structure_-(471)	JUNCTION	7.27	5.00	100.0	Yes
Structure_-(472)	JUNCTION	7.40	5.00	100.0	Yes
Structure_-(473)	JUNCTION	7.49	5.00	100.0	Yes
Structure_-(475)	JUNCTION	3.08	11.58	100.0	Yes
Structure_-(476)	JUNCTION	2.97	11.74	100.0	Yes
Structure_-(477)	JUNCTION	2.65	11.74	100.0	Yes
Structure_-(478)	JUNCTION	2.32	10.85	100.0	
Structure_-(481)	JUNCTION	4.00	5.00	100.0	
Structure_-(482)	JUNCTION	4.05	5.00	100.0	
Structure_-(483)	JUNCTION	4.10	5.00	100.0	
Structure_-(484)	JUNCTION	4.22	5.00	100.0	
Structure_-(485)	JUNCTION	4.25	5.00	100.0	
Structure_-(487)	JUNCTION	2.78	11.62	100.0	Yes
Structure_-(489)	JUNCTION	2.74	11.26	100.0	Yes
Structure_-(490)	JUNCTION	11.23	5.00	100.0	Yes
Structure_-(495)	JUNCTION	10.04	5.00	100.0	
Structure_-(5)	JUNCTION	6.37	7.65	100.0	Yes
Structure_-(50)	JUNCTION	4.20	8.20	100.0	Yes
Structure_-(502)	JUNCTION	8.46	5.00	100.0	Yes
Structure_-(503)	JUNCTION	4.71	9.38	100.0	Yes
Structure_-(51)	JUNCTION	3.94	8.28	100.0	Yes
Structure_-(52)	JUNCTION	3.72	7.10	100.0	Yes

Structure_-(53)	JUNCTION	3.71	8.45	100.0	
Structure_-(54)	JUNCTION	3.93	8.20	100.0	
Structure_-(56)	JUNCTION	9.08	5.00	100.0	Yes
Structure_-(57)	JUNCTION	9.29	5.00	100.0	Yes
Structure_-(58)	JUNCTION	9.39	5.00	100.0	Yes
Structure_-(59)	JUNCTION	9.70	5.00	100.0	Yes
Structure_-(6)	JUNCTION	5.70	5.02	100.0	Yes
Structure_-(60)	JUNCTION	9.82	5.00	100.0	Yes
Structure_-(61)	JUNCTION	9.92	5.00	100.0	Yes
Structure_-(62)	JUNCTION	10.02	5.00	100.0	Yes
Structure_-(63)	JUNCTION	10.27	5.00	100.0	Yes
Structure_-(7)	JUNCTION	5.35	5.78	100.0	Yes
Structure_-(70)	JUNCTION	8.89	5.00	100.0	Yes
Structure_-(71)	JUNCTION	10.00	5.00	100.0	Yes
Structure_-(72)	JUNCTION	10.06	5.00	100.0	Yes
Structure_-(73)	JUNCTION	10.33	5.00	100.0	Yes
Structure_-(74)	JUNCTION	10.57	5.00	100.0	Yes
Structure_-(75)	JUNCTION	10.81	5.00	100.0	Yes
Structure_-(76)	JUNCTION	11.05	5.00	100.0	Yes
Structure_-(77)	JUNCTION	11.29	5.00	100.0	Yes
Structure_-(78)	JUNCTION	11.53	5.00	100.0	Yes
Structure_-(79)	JUNCTION	8.72	5.00	100.0	Yes
Structure_-(8)	JUNCTION	5.10	8.03	100.0	Yes
Structure_-(80)	JUNCTION	9.01	5.00	100.0	Yes
Structure_-(81)	JUNCTION	9.25	5.00	100.0	Yes
Structure_-(82)	JUNCTION	9.49	5.00	100.0	Yes
Structure_-(83)	JUNCTION	9.73	5.37	100.0	Yes
Structure_-(84)	JUNCTION	9.97	5.00	100.0	Yes
Structure_-(85)	JUNCTION	10.21	5.00	100.0	Yes
Structure_-(86)	JUNCTION	7.30	5.00	100.0	Yes
Structure_-(87)	JUNCTION	7.38	5.00	100.0	Yes
Structure_-(88)	JUNCTION	7.56	5.00	100.0	Yes
Structure_-(89)	JUNCTION	7.65	5.00	100.0	Yes
Structure_-(9)	JUNCTION	4.82	8.93	100.0	Yes
Structure_-(90)	JUNCTION	7.79	5.00	100.0	Yes
Structure_-(92)	JUNCTION	8.90	5.00	100.0	Yes
Structure_-(93)	JUNCTION	9.26	5.00	100.0	Yes
Structure_-(94)	JUNCTION	9.43	5.00	100.0	Yes
Structure_-(95)	JUNCTION	9.45	5.00	100.0	Yes
Structure_-(96)	JUNCTION	9.60	5.00	100.0	Yes
Structure_-(97)	JUNCTION	9.95	5.00	100.0	Yes
Structure_-(98)	JUNCTION	10.13	5.00	100.0	Yes
Structure_-(99)	JUNCTION	10.32	5.00	100.0	
Structure520	JUNCTION	4.37	5.00	100.0	Yes
Structure521	JUNCTION	1.73	5.00	100.0	Yes
Structure522	JUNCTION	2.08	5.00	100.0	Yes
Structure587	JUNCTION	2.37	5.00	100.0	Yes
Structure593	JUNCTION	2.35	5.00	100.0	Yes
Structure602	JUNCTION	4.68	5.00	100.0	
5_Dummy_Outlet	OUTFALL	0.00	0.00	0.0	
C_Dummy_Outlet	OUTFALL	0.00	0.00	0.0	
D_Dummy_Outlet	OUTFALL	0.00	0.00	0.0	
E_Dummy_Outlet	OUTFALL	0.00	0.00	0.0	

F_Dummy_Outlet	OUTFALL	0.00	0.00	0.0
G_Dummy_Outlet	OUTFALL	0.00	0.00	0.0
H_Dummy_Outlet	OUTFALL	0.00	0.00	0.0
Outfall_002A	OUTFALL	-14.87	2.50	0.0
Outfall003	OUTFALL	-3.00	6.85	0.0
Facility77_Inlet	STORAGE	-8.05	20.47	0.0
PSC_Sump	STORAGE	0.50	17.13	0.0
RetenionPond	STORAGE	6.50	9.50	0.0

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Link Summary

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Name	From Node	To Node	Type	Length
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%Slope	Roughness				
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172_to_Inlet	Structure_-(172)	Facility77_Inlet	CONDUIT	1.0	
505.0000	0.0120				
278_to_PS_B	Structure_-(278)	Structure602	CONDUIT	45.0	
6.6422	0.0120				
381_to_PS77	Structure_-(381)	Facility77_Inlet	CONDUIT	1.0	
0.1000	0.0120				
458_to_Inlet	Structure_-(458)	Facility77_Inlet	CONDUIT	1.0	
-344.9600	0.0140				
469_to_Inlet	Structure_-(469)	Facility77_Inlet	CONDUIT	1.0	
505.0000	0.0120				
Culvert11	Ditch9_10_11	Culvert_Ditch11	CONDUIT	40.0	
0.0025	0.0240				
Culvert12	Ditch11_12	Culvert_Ditch12	CONDUIT	30.0	
0.0033	0.0240				
Culvert12a	Culvert_Ditch12a	Culvert_Ditch12b	CONDUIT	30.0	
0.0033	0.0240				
Culvert12c	Culvert_Ditch12c	Ditch12_18	CONDUIT	30.0	
0.0033	0.0240				
Ditch_77	Structure587	Structure593	CONDUIT	173.0	
0.0116	0.0250				
Ditch10	Ditch10_Inlet	Ditch9_10_11	CONDUIT	250.0	
0.1840	0.0250				
Ditch11	Culvert_Ditch11	Ditch11_12	CONDUIT	90.0	
0.4000	0.0250				
Ditch12	Culvert_Ditch12b	Culvert_Ditch12c	CONDUIT	260.0	
0.7269	0.0250				
Ditch12a	Culvert_Ditch12	Culvert_Ditch12a	CONDUIT	110.0	
0.5364	0.0250				
Ditch13	Structure521	Structure522	CONDUIT	170.0	
0.0006	0.0250				
Ditch14	Structure_-(242)	Ditch14_15	CONDUIT	330.0	
0.3030	0.0250				
Ditch15	Ditch14_15	Ditch15_16	CONDUIT	318.0	
0.1761	0.0250				
Ditch16	Ditch15_16	Ditch16_17	CONDUIT	350.0	



0.2800	0.0250				
Ditch17		Ditch16_17	Ditch17_5_6	CONDUIT	155.0
0.6065	0.0250				
Ditch18		Ditch12_18	PS004	CONDUIT	180.0
0.6333	0.0250				
Ditch2		Ditch1_2	Ditch2_3	CONDUIT	844.0
0.0001	0.0250				
Ditch3		Ditch2_3	Ditch3_Out	CONDUIT	905.0
0.1105	0.0250				
Ditch3_4		Ditch3_Out	Ditch4_Out	CONDUIT	127.0
-1.5750	0.0250				
Ditch4		Ditch4_In	Ditch4_Berm	CONDUIT	1975.0
0.0506	0.0250				
Ditch4_489		Ditch4_Out	Structure_-(489)	CONDUIT	715.0
0.0001	0.0250				
Ditch5		Ditch5_Inlet	Ditch17_5_6	CONDUIT	1015.0
0.0995	0.0250				
Ditch6		Ditch17_5_6	Ditch6_7	CONDUIT	165.0
0.0006	0.0250				
Ditch7		Ditch6_7	Ditch7_8	CONDUIT	525.0
0.1562	0.0250				
Ditch8		Ditch7_8	Outfall003	CONDUIT	183.0
0.3716	0.0250				
Ditch9		Ditch9_Inlet	Ditch9_10_11	CONDUIT	795.0
0.6440	0.0250				
Facility73_to_Pond		Structure_-(451)	RetenionPond	CONDUIT	1.0
0.1000	0.0100				
Pipe_-(1)		Structure_-(1)	Structure_-(2)	CONDUIT	56.5
0.1947	0.0120				
Pipe_-(10)		Structure_-(10)	Structure_-(503)	CONDUIT	163.2
0.0184	0.0220				
Pipe_-(10)_-(1)		Structure_-(503)	Structure602	CONDUIT	25.9
0.1159	0.0220				
Pipe_-(117)		Structure_-(123)	Structure_-(52)	CONDUIT	196.2
1.7190	0.0120				
Pipe_-(118)		Structure_-(124)	Structure_-(123)	CONDUIT	70.2
0.3420	0.0120				
Pipe_-(119)		Structure_-(125)	Structure_-(124)	CONDUIT	234.0
0.9060	0.0120				
Pipe_-(120)		Structure_-(126)	Structure_-(125)	CONDUIT	136.0
0.2206	0.0120				
Pipe_-(122)		Structure_-(128)	Structure_-(126)	CONDUIT	203.0
0.4975	0.0120				
Pipe_-(123)		Structure_-(129)	Structure_-(128)	CONDUIT	212.0
0.7925	0.0120				
Pipe_-(124)		Structure_-(130)	Structure_-(123)	CONDUIT	151.3
0.3965	0.0120				
Pipe_-(125)		Structure_-(131)	Structure_-(130)	CONDUIT	40.0
1.3001	0.0120				
Pipe_-(126)		Structure_-(132)	Structure_-(131)	CONDUIT	46.5
1.7207	0.0120				
Pipe_-(127)		Structure_-(133)	Structure_-(125)	CONDUIT	166.0
0.4819	0.0120				

Pipe_-(128)	Structure_-(134)	Structure_-(133)	CONDUIT	119.0
0.7815	0.0120			
Pipe_-(130)	Structure_-(136)	Structure_-(133)	CONDUIT	94.3
2.2159	0.0120			
Pipe_-(133)	Structure_-(139)	Structure_-(53)	CONDUIT	9.5
1.6802	0.0120			
Pipe_-(134)	Structure_-(140)	Structure_-(139)	CONDUIT	48.5
0.2062	0.0120			
Pipe_-(135)	Structure_-(141)	Structure_-(140)	CONDUIT	38.7
0.2069	0.0120			
Pipe_-(136)	Structure_-(142)	Structure_-(141)	CONDUIT	33.0
3.4645	0.0120			
Pipe_-(137)	Structure_-(143)	Structure_-(142)	CONDUIT	32.0
2.9942	0.0120			
Pipe_-(138)	Structure_-(144)	Structure_-(143)	CONDUIT	12.0
3.0005	0.0120			
Pipe_-(153)	Structure_-(161)	Structure_-(162)	CONDUIT	160.0
0.8000	0.0120			
Pipe_-(154)	Structure_-(162)	Structure_-(163)	CONDUIT	125.0
0.8240	0.0120			
Pipe_-(155)	Structure_-(163)	Structure_-(164)	CONDUIT	177.0
0.5028	0.0120			
Pipe_-(156)	Structure_-(164)	Structure_-(165)	CONDUIT	144.0
0.3333	0.0120			
Pipe_-(157)	Structure_-(165)	Structure_-(166)	CONDUIT	126.0
0.3968	0.0120			
Pipe_-(158)	Structure_-(166)	Structure_-(167)	CONDUIT	203.0
0.3498	0.0120			
Pipe_-(159)	Structure_-(167)	Structure_-(168)	CONDUIT	127.0
0.7402	0.0120			
Pipe_-(160)	Structure_-(168)	Structure_-(169)	CONDUIT	186.0
0.1989	0.0120			
Pipe_-(161)	Structure_-(169)	Structure_-(170)	CONDUIT	94.0
0.1915	0.0120			
Pipe_-(162)	Structure_-(170)	Structure_-(171)	CONDUIT	13.1
7.9514	0.0120			
Pipe_-(163)	Structure_-(171)	Structure_-(172)	CONDUIT	174.5
0.8151	0.0120			
Pipe_-(164)	Structure_-(173)	Structure_-(171)	CONDUIT	120.9
3.2200	0.0120			
Pipe_-(165)	Structure_-(174)	Structure_-(173)	CONDUIT	122.7
0.6440	0.0120			
Pipe_-(166)	Structure_-(175)	Structure_-(174)	CONDUIT	101.0
0.2575	0.0120			
Pipe_-(167)	Structure_-(176)	Structure_-(175)	CONDUIT	132.0
0.8182	0.0120			
Pipe_-(168)	Structure_-(177)	Structure_-(176)	CONDUIT	250.0
0.4000	0.0120			
Pipe_-(169)	Structure_-(178)	Structure_-(177)	CONDUIT	248.0
0.4426	0.0120			
Pipe_-(170)	Structure_-(179)	Structure_-(178)	CONDUIT	225.0
0.4444	0.0120			
Pipe_-(171)	Structure_-(180)	Structure_-(179)	CONDUIT	240.0

0.1010	0.0120				
Pipe_-(172)		Structure_-(181)	Structure_-(180)	CONDUIT	260.0
0.6308	0.0120				
Pipe_-(18)		Structure_-(19)	Structure_-(10)	CONDUIT	139.0
0.2248	0.0120				
Pipe_-(19)		Structure_-(20)	Structure_-(8)	CONDUIT	335.3
0.1998	0.0120				
Pipe_-(196)		Structure_-(205)	Structure_-(174)	CONDUIT	15.0
3.7359	0.0120				
Pipe_-(197)		Structure_-(206)	Structure_-(205)	CONDUIT	92.0
0.1957	0.0120				
Pipe_-(198)		Structure_-(207)	Structure_-(206)	CONDUIT	186.0
0.4140	0.0120				
Pipe_-(199)		Structure_-(208)	Structure_-(207)	CONDUIT	127.0
0.7402	0.0120				
Pipe_-(2)		Structure_-(2)	Structure_-(3)	CONDUIT	179.1
0.2011	0.0120				
Pipe_-(20)		Structure_-(21)	Structure_-(20)	CONDUIT	196.6
0.1984	0.0120				
Pipe_-(200)		Structure_-(209)	Structure_-(208)	CONDUIT	203.0
0.3498	0.0120				
Pipe_-(201)		Structure_-(210)	Structure_-(209)	CONDUIT	126.0
0.3571	0.0120				
Pipe_-(202)		Structure_-(211)	Structure_-(210)	CONDUIT	144.0
0.3681	0.0120				
Pipe_-(203)		Structure_-(212)	Structure_-(211)	CONDUIT	177.0
0.5028	0.0120				
Pipe_-(204)		Structure_-(213)	Structure_-(212)	CONDUIT	125.0
0.8240	0.0120				
Pipe_-(205)		Structure_-(214)	Structure_-(213)	CONDUIT	160.0
0.8000	0.0120				
Pipe_-(206)		Structure_-(215)	Structure_-(173)	CONDUIT	13.0
5.5484	0.0120				
Pipe_-(207)		Structure_-(216)	Structure_-(215)	CONDUIT	94.0
0.1915	0.0120				
Pipe_-(208)		Structure_-(217)	Structure_-(216)	CONDUIT	186.0
0.5645	0.0120				
Pipe_-(209)		Structure_-(218)	Structure_-(217)	CONDUIT	127.0
0.5039	0.0120				
Pipe_-(210)		Structure_-(219)	Structure_-(218)	CONDUIT	203.0
0.6256	0.0120				
Pipe_-(211)		Structure_-(220)	Structure_-(219)	CONDUIT	126.0
0.5079	0.0120				
Pipe_-(212)		Structure_-(221)	Structure_-(220)	CONDUIT	144.0
0.4583	0.0120				
Pipe_-(213)		Structure_-(222)	Structure_-(221)	CONDUIT	177.0
0.4181	0.0120				
Pipe_-(214)		Structure_-(223)	Structure_-(222)	CONDUIT	125.0
0.5200	0.0120				
Pipe_-(215)		Structure520	Structure_-(223)	CONDUIT	161.7
0.4994	0.0120				
Pipe_-(22)		Structure_-(23)	Structure_-(24)	CONDUIT	4.4
0.2279	0.0100				

Pipe_-(221)	Structure_-(230)	Structure_-(171)	CONDUIT	124.5
1.8642	0.0120			
Pipe_-(222)	Structure_-(231)	Structure_-(230)	CONDUIT	122.7
1.0661	0.0100			
Pipe_-(223)	Structure_-(232)	Structure_-(231)	CONDUIT	124.1
1.0558	0.0120			
Pipe_-(224)	Structure_-(233)	Structure_-(232)	CONDUIT	108.3
0.6002	0.0120			
Pipe_-(225)	Structure_-(234)	Structure_-(233)	CONDUIT	184.8
0.6995	0.0120			
Pipe_-(226)	Structure_-(235)	Structure_-(234)	CONDUIT	127.0
0.7402	0.0120			
Pipe_-(227)	Structure_-(236)	Structure_-(235)	CONDUIT	203.0
0.3498	0.0120			
Pipe_-(228)	Structure_-(237)	Structure_-(236)	CONDUIT	120.0
0.4167	0.0120			
Pipe_-(229)	Structure_-(238)	Structure_-(237)	CONDUIT	150.0
0.3200	0.0120			
Pipe_-(23)	Structure_-(24)	Structure_-(25)	CONDUIT	34.4
0.2036	0.0100			
Pipe_-(230)	Structure_-(239)	Structure_-(238)	CONDUIT	177.0
0.5028	0.0120			
Pipe_-(231)	Structure_-(240)	Structure_-(239)	CONDUIT	125.0
0.8960	0.0120			
Pipe_-(232)	Structure_-(241)	Structure_-(240)	CONDUIT	160.0
0.7438	0.0120			
Pipe_-(234)	Structure_-(243)	Structure_-(242)	CONDUIT	124.0
0.4759	0.0120			
Pipe_-(235)	Structure_-(244)	Structure_-(243)	CONDUIT	98.1
1.0605	0.0120			
Pipe_-(236)	Structure_-(245)	Structure_-(244)	CONDUIT	97.7
0.2763	0.0120			
Pipe_-(237)	Structure_-(246)	Structure_-(231)	CONDUIT	13.0
12.7170	0.0120			
Pipe_-(238)	Structure_-(247)	Structure_-(246)	CONDUIT	94.0
0.2153	0.0120			
Pipe_-(239)	Structure_-(248)	Structure_-(247)	CONDUIT	186.0
0.4140	0.0120			
Pipe_-(24)	Structure_-(25)	Structure_-(26)	CONDUIT	158.8
0.2016	0.0100			
Pipe_-(240)	Structure_-(249)	Structure_-(248)	CONDUIT	127.0
0.7402	0.0120			
Pipe_-(241)	Structure_-(250)	Structure_-(249)	CONDUIT	203.0
0.3498	0.0120			
Pipe_-(242)	Structure_-(251)	Structure_-(250)	CONDUIT	126.0
0.3968	0.0120			
Pipe_-(243)	Structure_-(252)	Structure_-(251)	CONDUIT	144.0
0.3333	0.0120			
Pipe_-(244)	Structure_-(253)	Structure_-(252)	CONDUIT	177.0
0.4859	0.0120			
Pipe_-(245)	Structure_-(254)	Structure_-(253)	CONDUIT	125.0
0.8480	0.0120			
Pipe_-(246)	Structure_-(255)	Structure_-(254)	CONDUIT	160.0

0.8000	0.0120				
Pipe_-(247)		Structure_-(256)	Structure_-(230)	CONDUIT	13.0
18.2989	0.0120				
Pipe_-(248)		Structure_-(257)	Structure_-(256)	CONDUIT	94.0
0.1915	0.0120				
Pipe_-(249)		Structure_-(258)	Structure_-(257)	CONDUIT	186.0
0.5645	0.0120				
Pipe_-(25)		Structure_-(26)	Structure_-(27)	CONDUIT	449.4
0.2003	0.0100				
Pipe_-(250)		Structure_-(259)	Structure_-(258)	CONDUIT	127.0
0.5039	0.0120				
Pipe_-(251)		Structure_-(260)	Structure_-(259)	CONDUIT	203.0
0.6256	0.0120				
Pipe_-(252)		Structure_-(261)	Structure_-(260)	CONDUIT	126.0
0.5079	0.0120				
Pipe_-(253)		Structure_-(262)	Structure_-(261)	CONDUIT	144.0
0.4583	0.0120				
Pipe_-(254)		Structure_-(263)	Structure_-(262)	CONDUIT	177.0
0.4181	0.0120				
Pipe_-(255)		Structure_-(264)	Structure_-(263)	CONDUIT	125.0
0.5200	0.0120				
Pipe_-(256)		Structure_-(265)	Structure_-(264)	CONDUIT	160.0
0.5750	0.0120				
Pipe_-(257)		Structure_-(266)	Structure_-(265)	CONDUIT	130.4
0.5062	0.0120				
Pipe_-(258)		Structure_-(267)	Structure_-(266)	CONDUIT	24.6
0.0041	0.0120				
Pipe_-(259)		Structure_-(268)	Structure_-(267)	CONDUIT	101.0
0.4754	0.0120				
Pipe_-(26)		Structure_-(27)	Structure_-(28)	CONDUIT	58.2
0.2061	0.0100				
Pipe_-(260)		Structure_-(269)	Structure_-(268)	CONDUIT	41.9
0.5256	0.0100				
Pipe_-(261)		Structure_-(270)	Structure_-(267)	CONDUIT	135.0
0.4666	0.0120				
Pipe_-(264)		Structure_-(273)	Structure_-(274)	CONDUIT	172.7
0.1450	0.0120				
Pipe_-(265)		Structure_-(274)	Structure_-(275)	CONDUIT	102.1
0.1759	0.0120				
Pipe_-(266)		Structure_-(275)	Structure_-(276)	CONDUIT	121.8
0.3940	0.0120				
Pipe_-(267)		Structure_-(276)	Structure_-(277)	CONDUIT	159.0
0.3962	0.0120				
Pipe_-(268)		Structure_-(277)	Structure_-(278)	CONDUIT	127.9
0.5550	0.0120				
Pipe_-(27)		Structure_-(28)	Structure_-(29)	CONDUIT	35.7
0.1958	0.0100				
Pipe_-(277)		Structure_-(287)	Structure_-(277)	CONDUIT	134.5
2.7665	0.0120				
Pipe_-(278)		Structure_-(288)	Structure_-(287)	CONDUIT	122.3
0.8424	0.0120				
Pipe_-(28)		Structure_-(29)	Structure_-(30)	CONDUIT	143.4
0.2022	0.0100				

Pipe_-(285)	Structure_-(490)	Structure_-(287)	CONDUIT	143.8
0.7163	0.0120			
Pipe_-(288)	Structure_-(298)	Structure_-(276)	CONDUIT	241.1
0.6884	0.0120			
Pipe_-(29)	Structure_-(30)	Structure_-(31)	CONDUIT	387.2
0.1988	0.0100			
Pipe_-(295)	Structure_-(305)	Structure_-(277)	CONDUIT	54.0
7.4465	0.0120			
Pipe_-(296)	Structure_-(306)	Structure_-(305)	CONDUIT	153.1
0.6861	0.0120			
Pipe_-(3)	Structure_-(3)	Structure_-(4)	CONDUIT	130.0
0.2000	0.0120			
Pipe_-(30)	Structure_-(31)	Structure_-(32)	CONDUIT	197.5
0.1975	0.0100			
Pipe_-(307)	CB19	Structure_-(319)	CONDUIT	171.0
0.1755	0.0120			
Pipe_-(308)	Structure_-(319)	Structure_-(320)	CONDUIT	90.0
0.1667	0.0120			
Pipe_-(309)	Structure_-(320)	CB22	CONDUIT	88.1
0.1590	0.0120			
Pipe_-(31)	Structure_-(32)	Structure_-(33)	CONDUIT	99.5
0.2010	0.0100			
Pipe_-(310)	CB22	SDMH539	CONDUIT	153.2
1.0722	0.0120			
Pipe_-(311)	SDMH539	SDCB6003	CONDUIT	236.8
0.5913	0.0120			
Pipe_-(312)	SDCB6003	SDMH297	CONDUIT	178.1
0.2527	0.0120			
Pipe_-(313)	Structure_-(325)	Structure_-(319)	CONDUIT	155.6
0.0434	0.0120			
Pipe_-(314)	Structure_-(326)	Structure_-(325)	CONDUIT	112.8
1.0397	0.0120			
Pipe_-(319)	Structure_-(331)	Structure_-(319)	CONDUIT	70.0
3.6596	0.0100			
Pipe_-(32)	Structure_-(33)	Structure_-(34)	CONDUIT	379.9
0.2001	0.0100			
Pipe_-(320)	Structure_-(332)	Structure_-(320)	CONDUIT	60.0
4.7721	0.0100			
Pipe_-(321)	Structure_-(333)	CB22	CONDUIT	42.0
3.3352	0.0120			
Pipe_-(322)	CB30	Structure_-(333)	CONDUIT	89.0
0.5056	0.0120			
Pipe_-(323)	CB31	CB30	CONDUIT	185.0
0.1243	0.0120			
Pipe_-(327)	SDCB541	CB22	CONDUIT	38.0
0.2306	0.0120			
Pipe_-(328)	SDCB543	SDCB541	CONDUIT	143.6
0.6615	0.0120			
Pipe_-(329)	Structure_-(341)	SDCB543	CONDUIT	100.2
1.3780	0.0120			
Pipe_-(33)	Structure_-(34)	Structure_-(35)	CONDUIT	649.8
0.2001	0.0100			
Pipe_-(331)	SDMH538	SDMH539	CONDUIT	41.1

2.1925	0.0120				
Pipe_-(333)		SDMH540	SDMH539	CONDUIT	44.2
0.0906	0.0100				
Pipe_-(334)		CB33	SDMH540	CONDUIT	83.8
3.0348	0.0100				
Pipe_-(337)		SDMH299	SDMH297	CONDUIT	30.6
0.0654	0.0220				
Pipe_-(338)		Structure522	SDMH299	CONDUIT	222.9
0.0774	0.0220				
Pipe_-(34)		Structure_-(35)	Structure_-(56)	CONDUIT	98.9
0.2023	0.0100				
Pipe_-(340)		SDCB6005	SDCB6003	CONDUIT	185.6
3.1111	0.0100				
Pipe_-(35)		Structure_-(56)	Structure_-(37)	CONDUIT	137.2
0.1967	0.0120				
Pipe_-(358)		Structure_-(371)	Structure_-(370)	CONDUIT	36.6
0.4855	0.0100				
Pipe_-(359)		Structure_-(372)	Structure_-(371)	CONDUIT	689.8
0.3001	0.0100				
Pipe_-(36)		Structure_-(37)	Structure_-(38)	CONDUIT	146.8
0.1976	0.0120				
Pipe_-(360)		Structure_-(370)	Structure_-(373)	CONDUIT	34.4
0.2395	0.0100				
Pipe_-(361)		Structure_-(374)	Structure_-(375)	CONDUIT	42.5
0.6940	0.0100				
Pipe_-(362)		Structure_-(375)	Structure_-(376)	CONDUIT	27.3
0.8805	0.0100				
Pipe_-(363)		Structure_-(376)	Structure_-(377)	CONDUIT	46.1
0.6508	0.0100				
Pipe_-(364)		Structure_-(377)	Structure_-(378)	CONDUIT	69.7
0.5312	0.0100				
Pipe_-(365)		Structure_-(378)	Structure_-(379)	CONDUIT	62.4
6.6209	0.0100				
Pipe_-(366)		Structure_-(379)	Structure_-(380)	CONDUIT	115.7
-0.6657	0.0120				
Pipe_-(367)		Structure_-(380)	Structure_-(381)	CONDUIT	75.7
0.2377	0.0120				
Pipe_-(369)		Structure_-(502)	Structure_-(379)	CONDUIT	25.0
15.5846	0.0100				
Pipe_-(37)		Structure_-(38)	Structure_-(39)	CONDUIT	56.8
0.1937	0.0120				
Pipe_-(370)		Structure_-(478)	Structure_-(379)	CONDUIT	133.0
0.0075	0.0120				
Pipe_-(374)		Structure_-(389)	Structure_-(390)	CONDUIT	139.2
0.0007	0.0220				
Pipe_-(375)		Structure_-(390)	Structure_-(391)	CONDUIT	166.0
0.2892	0.0220				
Pipe_-(376)		Structure_-(396)	Structure_-(391)	CONDUIT	90.0
0.9667	0.0220				
Pipe_-(377)		Structure_-(392)	Structure_-(393)	CONDUIT	116.8
0.8052	0.0120				
Pipe_-(378)		Structure_-(393)	Structure_-(394)	CONDUIT	88.4
2.2076	0.0120				

Pipe_-(379)	Structure_-(394)	Structure_-(395)	CONDUIT	79.8
2.2051	0.0120			
Pipe_-(38)	Structure_-(39)	Structure_-(40)	CONDUIT	89.7
0.1981	0.0120			
Pipe_-(380)	Structure_-(391)	Structure_-(392)	CONDUIT	63.5
6.3263	0.0220			
Pipe_-(381)	Structure_-(397)	Structure_-(393)	CONDUIT	15.5
8.4382	0.0100			
Pipe_-(382)	Structure_-(398)	Structure_-(393)	CONDUIT	53.2
1.6905	0.0100			
Pipe_-(383)	Structure_-(399)	Structure_-(398)	CONDUIT	40.0
1.7002	0.0100			
Pipe_-(384)	Structure_-(400)	Structure_-(393)	CONDUIT	79.0
1.1395	0.0100			
Pipe_-(385)	Structure_-(401)	Structure_-(400)	CONDUIT	109.0
1.1923	0.0100			
Pipe_-(386)	Structure_-(404)	Structure_-(401)	CONDUIT	67.7
1.6840	0.0100			
Pipe_-(387)	Structure_-(405)	Structure_-(404)	CONDUIT	40.0
2.0004	0.0100			
Pipe_-(389)	Structure_-(407)	Structure_-(394)	CONDUIT	17.5
16.2439	0.0100			
Pipe_-(39)	Structure_-(40)	Structure_-(41)	CONDUIT	115.8
1.8909	0.0120			
Pipe_-(390)	Structure_-(96)	Structure_-(408)	CONDUIT	43.9
0.2909	0.0120			
Pipe_-(4)	Structure_-(4)	Structure_-(5)	CONDUIT	160.9
0.1989	0.0120			
Pipe_-(40)	Structure_-(41)	Structure_-(42)	CONDUIT	40.0
0.0999	0.0120			
Pipe_-(404)	Structure_-(426)	Structure593	CONDUIT	104.4
3.8451	0.0120			
Pipe_-(405)	Structure_-(427)	Structure_-(426)	CONDUIT	62.6
0.4152	0.0120			
Pipe_-(408)	Structure_-(431)	Outfall_002A	CONDUIT	950.0
1.0001	0.0100			
Pipe_-(409)	Structure_-(432)	Structure_-(431)	CONDUIT	68.3
0.4978	0.0100			
Pipe_-(41)	Structure_-(42)	Structure_-(43)	CONDUIT	199.0
0.2726	0.0120			
Pipe_-(410)	Structure_-(433)	Structure_-(432)	CONDUIT	62.9
0.5084	0.0100			
Pipe_-(411)	Structure_-(434)	Structure_-(433)	CONDUIT	230.9
0.5024	0.0100			
Pipe_-(412)	Structure_-(435)	Structure_-(434)	CONDUIT	2.7
0.3663	0.0100			
Pipe_-(42)	Structure_-(43)	Structure_-(44)	CONDUIT	122.0
0.1967	0.0120			
Pipe_-(423)	Structure_-(446)	Structure_-(447)	CONDUIT	73.6
0.5030	0.0100			
Pipe_-(424)	Structure_-(447)	Structure_-(448)	CONDUIT	63.1
0.4916	0.0100			
Pipe_-(425)	Structure_-(448)	Structure_-(449)	CONDUIT	396.9



0.5014	0.0100				
Pipe_-(426)		Structure_-(449)	Structure_-(450)	CONDUIT	119.9
0.5003	0.0100				
Pipe_-(427)		Structure_-(450)	Structure_-(451)	CONDUIT	41.3
0.4839	0.0100				
Pipe_-(429)		Structure_-(453)	Structure_-(454)	CONDUIT	11.8
0.0424	0.0100				
Pipe_-(43)		Structure_-(44)	Structure_-(45)	CONDUIT	19.0
0.2105	0.0120				
Pipe_-(430)		Structure_-(454)	Structure_-(455)	CONDUIT	27.1
0.0479	0.0100				
Pipe_-(431)		Structure_-(455)	Structure_-(456)	CONDUIT	161.9
0.1236	0.0100				
Pipe_-(432)		Structure_-(456)	Structure_-(457)	CONDUIT	40.0
0.2548	0.0140				
Pipe_-(433)		Structure_-(457)	Structure_-(458)	CONDUIT	167.8
0.1375	0.0140				
Pipe_-(434)		Facility77_PS	Structure_-(459)	CONDUIT	325.4
0.5010	0.0140				
Pipe_-(435)		Structure_-(459)	Structure_-(460)	CONDUIT	8.3
0.4844	0.0140				
Pipe_-(436)		Structure_-(460)	Structure_-(461)	CONDUIT	100.1
0.5992	0.0140				
Pipe_-(437)		Structure_-(461)	Structure_-(462)	CONDUIT	31.1
0.4828	0.0140				
Pipe_-(438)		Structure_-(462)	Structure_-(463)	CONDUIT	349.4
0.5009	0.0140				
Pipe_-(439)		Structure_-(463)	Structure_-(446)	CONDUIT	7.0
-154.9749	0.0140				
Pipe_-(44)		Structure_-(45)	Structure_-(46)	CONDUIT	34.0
0.2059	0.0120				
Pipe_-(443)		Structure_-(470)	Structure_-(469)	CONDUIT	101.0
3.5720	0.0120				
Pipe_-(444)		Structure_-(471)	Structure_-(470)	CONDUIT	38.1
0.4466	0.0120				
Pipe_-(445)		Structure_-(472)	Structure_-(471)	CONDUIT	26.9
0.4826	0.0120				
Pipe_-(446)		Structure_-(473)	Structure_-(472)	CONDUIT	17.0
0.5153	0.0120				
Pipe_-(447)		Structure_-(475)	Structure_-(476)	CONDUIT	23.2
0.4732	0.0100				
Pipe_-(448)		Structure_-(476)	Structure_-(477)	CONDUIT	64.1
0.4993	0.0100				
Pipe_-(449)		Structure_-(477)	Structure_-(478)	CONDUIT	65.6
0.5027	0.0100				
Pipe_-(45)		Structure_-(46)	Structure_-(47)	CONDUIT	102.3
0.4498	0.0240				
Pipe_-(450)		Structure593	Structure_-(478)	CONDUIT	68.2
0.0440	0.0120				
Pipe_-(452)		Structure_-(481)	Structure_-(453)	CONDUIT	1398.0
0.0036	0.0100				
Pipe_-(453)		Structure_-(482)	Structure_-(481)	CONDUIT	89.7
0.0558	0.0100				

Pipe_-(454)	Structure_-(483)	Structure_-(482)	CONDUIT	107.6
0.0465	0.0100			
Pipe_-(455)	Structure_-(484)	Structure_-(483)	CONDUIT	26.5
0.4524	0.0100			
Pipe_-(456)	Structure_-(485)	Structure_-(484)	CONDUIT	20.4
0.1473	0.0100			
Pipe_-(460)	Structure_-(487)	Structure_-(477)	CONDUIT	26.7
0.4866	0.0100			
Pipe_-(461)	Structure_-(395)	Structure587	CONDUIT	54.5
0.0018	0.0240			
Pipe_-(462)	Structure_-(489)	Structure_-(395)	CONDUIT	49.0
0.9193	0.0240			
Pipe_-(467)	SDMH297	SDMH301	CONDUIT	257.0
0.0700	0.0120			
Pipe_-(47)	Structure_-(47)	Structure_-(50)	CONDUIT	73.5
0.6123	0.0220			
Pipe_-(474)	Structure_-(98)	Structure_-(495)	CONDUIT	29.9
0.3010	0.0120			
Pipe_-(49)	Structure_-(50)	Structure_-(51)	CONDUIT	84.8
0.3065	0.0220			
Pipe_-(5)	Structure_-(5)	Structure_-(6)	CONDUIT	336.7
0.1990	0.0120			
Pipe_-(50)	Structure_-(51)	Structure_-(52)	CONDUIT	103.2
0.2132	0.0220			
Pipe_-(51)	Structure_-(52)	Structure_-(53)	CONDUIT	143.4
0.0070	0.0220			
Pipe_-(52)	Structure_-(53)	Structure_-(54)	CONDUIT	210.5
0.0131	0.0120			
Pipe_-(53)	Structure_-(54)	Facility77_Inlet	CONDUIT	122.3
0.3126	0.0220			
Pipe_-(54)	Structure_-(57)	Structure_-(56)	CONDUIT	105.3
0.1995	0.0120			
Pipe_-(55)	Structure_-(58)	Structure_-(57)	CONDUIT	51.9
0.1927	0.0120			
Pipe_-(56)	Structure_-(59)	Structure_-(58)	CONDUIT	154.5
0.2006	0.0120			
Pipe_-(57)	Structure_-(60)	Structure_-(59)	CONDUIT	60.0
0.2000	0.0120			
Pipe_-(58)	Structure_-(61)	Structure_-(60)	CONDUIT	48.0
0.2083	0.0120			
Pipe_-(59)	Structure_-(62)	Structure_-(61)	CONDUIT	50.4
0.1983	0.0120			
Pipe_-(6)	Structure_-(6)	Structure_-(7)	CONDUIT	172.8
0.2012	0.0120			
Pipe_-(60)	Structure_-(63)	Structure_-(62)	CONDUIT	125.3
0.1995	0.0120			
Pipe_-(65)	Structure_-(70)	Structure_-(37)	CONDUIT	40.0
0.1999	0.0120			
Pipe_-(66)	Structure_-(71)	Structure_-(70)	CONDUIT	54.1
2.0504	0.0120			
Pipe_-(67)	Structure_-(72)	Structure_-(71)	CONDUIT	30.2
0.1988	0.0120			
Pipe_-(68)	Structure_-(73)	Structure_-(72)	CONDUIT	134.3

0.2011	0.0120	Pipe_-(69)	Structure_-(74)	Structure_-(73)	CONDUIT	120.0
0.2000	0.0120	Pipe_-(7)	Structure_-(7)	Structure_-(8)	CONDUIT	122.8
0.2056	0.0140	Pipe_-(70)	Structure_-(75)	Structure_-(74)	CONDUIT	120.0
0.2000	0.0120	Pipe_-(71)	Structure_-(76)	Structure_-(75)	CONDUIT	120.0
0.2000	0.0120	Pipe_-(72)	Structure_-(77)	Structure_-(76)	CONDUIT	120.0
0.2000	0.0120	Pipe_-(73)	Structure_-(78)	Structure_-(77)	CONDUIT	120.0
0.2000	0.0120	Pipe_-(74)	Structure_-(79)	Structure_-(38)	CONDUIT	104.5
0.1913	0.0120	Pipe_-(75)	Structure_-(80)	Structure_-(79)	CONDUIT	143.3
0.2024	0.0120	Pipe_-(76)	Structure_-(81)	Structure_-(80)	CONDUIT	120.0
0.2000	0.0120	Pipe_-(77)	Structure_-(82)	Structure_-(81)	CONDUIT	120.0
0.2000	0.0120	Pipe_-(78)	Structure_-(83)	Structure_-(82)	CONDUIT	120.0
0.2000	0.0120	Pipe_-(79)	Structure_-(84)	Structure_-(83)	CONDUIT	120.0
0.2000	0.0120	Pipe_-(8)	Structure_-(8)	Structure_-(9)	CONDUIT	138.0
0.2029	0.0140	Pipe_-(80)	Structure_-(85)	Structure_-(84)	CONDUIT	120.0
0.2000	0.0120	Pipe_-(81)	Structure_-(86)	Structure_-(42)	CONDUIT	73.5
3.1325	0.0120	Pipe_-(82)	Structure_-(87)	Structure_-(86)	CONDUIT	22.4
0.3571	0.0120	Pipe_-(83)	Structure_-(88)	Structure_-(87)	CONDUIT	47.0
0.3830	0.0120	Pipe_-(84)	Structure_-(89)	Structure_-(88)	CONDUIT	27.4
0.3283	0.0120	Pipe_-(85)	Structure_-(90)	Structure_-(89)	CONDUIT	102.0
0.1349	0.0120	Pipe_-(87)	Structure_-(92)	Structure_-(90)	CONDUIT	49.7
2.2385	0.0120	Pipe_-(88)	Structure_-(93)	Structure_-(92)	CONDUIT	74.6
0.4824	0.0120	Pipe_-(89)	Structure_-(94)	Structure_-(93)	CONDUIT	42.4
0.4011	0.0120	Pipe_-(9)	Structure_-(9)	Structure_-(10)	CONDUIT	265.4
0.0301	0.0140	Pipe_-(90)	Structure_-(95)	Structure_-(94)	CONDUIT	16.9
0.1040	0.0120	Pipe_-(91)	Structure_-(408)	Structure_-(95)	CONDUIT	30.5
0.0735	0.0120	Pipe_-(92)	Structure_-(97)	Structure_-(96)	CONDUIT	118.4
0.2957	0.0120					

Pipe_-(93)	Structure_-(495)	Structure_-(97)	CONDUIT	29.5
0.3049	0.0120			
Pipe_-(94)	Structure_-(99)	Structure_-(98)	CONDUIT	63.1
0.3013	0.0120			
Pipe_-(95)	Structure_-(100)	Structure_-(99)	CONDUIT	98.8
0.3036	0.0120			
Pipe_-(96)	Structure_-(101)	Structure_-(100)	CONDUIT	16.8
0.2977	0.0120			
Pipe_-(97)	Structure_-(102)	Structure_-(99)	CONDUIT	59.7
0.3017	0.0120			
Pipe_PS_A	Structure_-(373)	Structure_-(485)	CONDUIT	10.0
42.3538	0.0100			
Pipe_PS_B	Structure602	Structure_-(47)	CONDUIT	280.0
0.0107	0.0140			
Pipe468	SDMH301	Ditch5_Inlet	CONDUIT	77.0
0.0649	0.0120			
Pipe483	SDCB294	Structure521	CONDUIT	80.1
0.9983	0.0120			
PSC_Overflow	PSC_Sump	Structure_-(489)	CONDUIT	142.0
6.5350	0.0220			
PSC_to_Outfall	PSC_Outlet	Structure_-(435)	CONDUIT	600.0
2.5075	0.0100			
004Pump1	PS004	Structure_-(23)	TYPE3 PUMP	
77Pump1	Facility77_Inlet	Facility77_PS	TYPE3 PUMP	
77Pump2	Facility77_Inlet	Facility77_PS	TYPE3 PUMP	
CPump1	PSC_Sump	PSC_Outlet	TYPE4 PUMP	
CPump2	PSC_Sump	PSC_Outlet	TYPE4 PUMP	
Ditch4_Connection	Ditch4_Berm	Ditch4_Out	WEIR	
PondOutlet	RetenionPond	PSC_Sump	OUTLET	

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Cross Section Summary

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of	Full		Full	Full	Hyd.	Max.	No.
Barrels	Conduit	Shape	Depth	Area	Rad.	Width	
	Flow						
1	172_to_Inlet	CIRCULAR	4.00	12.57	1.00	4.00	
	3496.98						
1	278_to_PS_B	CIRCULAR	2.25	3.98	0.56	2.25	
	86.47						
1	381_to_PS77	RECT_CLOSED	3.00	51.90	1.28	17.30	
	239.39						
1	458_to_Inlet	CIRCULAR	1.67	2.18	0.42	1.67	
	239.93						
1	469_to_Inlet	CIRCULAR	2.00	3.14	0.50	2.00	
	550.74						
1	Culvert11	CIRCULAR	1.00	0.79	0.25	1.00	
	0.10						

1	Culvert12 0.11	CIRCULAR	1.00	0.79	0.25	1.00
2	Culvert12a 0.33	CIRCULAR	1.50	1.77	0.38	1.50
1	Culvert12c 2.09	CIRCULAR	3.00	7.07	0.75	3.00
1	Ditch_77 22.12	TRAPEZOIDAL	1.30	36.54	0.92	39.42
1	Ditch10 97.22	TRAPEZOIDAL	2.60	28.99	1.51	18.30
1	Ditch11 155.02	TRAPEZOIDAL	1.90	32.40	1.44	21.80
1	Ditch12 258.40	TRAPEZOIDAL	2.90	40.37	1.42	27.84
1	Ditch12a 335.14	TRAPEZOIDAL	4.00	43.20	2.38	11.60
1	Ditch13 11.33	TRAPEZOIDAL	2.60	52.78	1.82	28.10
1	Ditch14 113.27	TRAPEZOIDAL	1.30	36.54	0.92	39.42
1	Ditch15 19.92	TRAPEZOIDAL	1.30	10.73	0.64	16.51
1	Ditch16 120.37	TRAPEZOIDAL	1.90	39.71	0.95	41.80
1	Ditch17 340.31	TRAPEZOIDAL	3.40	43.86	2.17	18.00
1	Ditch18 281.37	TRAPEZOIDAL	3.20	39.04	1.88	19.40
1	Ditch2 46.09	TRAPEZOIDAL	5.50	303.88	3.59	83.30
1	Ditch3 1449.75	TRAPEZOIDAL	10.00	250.00	5.03	45.00
1	Ditch3_4 2070.62	TRAPEZOIDAL	3.60	144.00	2.68	52.60
1	Ditch4 3353.86	TRAPEZOIDAL	10.00	700.00	6.78	100.00
1	Ditch4_489 87.88	TRAPEZOIDAL	11.00	374.00	6.11	56.00
1	Ditch5 420.61	TRAPEZOIDAL	4.90	104.86	3.13	31.20
1	Ditch6 55.49	TRAPEZOIDAL	7.00	152.95	3.90	35.85
1	Ditch7 713.90	TRAPEZOIDAL	6.00	130.80	3.54	34.10
1	Ditch8 917.65	TRAPEZOIDAL	6.85	117.31	3.17	34.25
1	Ditch9 373.61	TRAPEZOIDAL	2.50	59.06	1.53	38.25
	Facility73_to_Pond	FORCE_MAIN	1.33	1.40	0.33	1.33
1	Pipe_-(1) 5.02	CIRCULAR	1.50	1.77	0.38	1.50
1	Pipe_-(10)	CIRCULAR	3.00	7.07	0.75	3.00

1	5.34					
	Pipe_-(10)-(1)	CIRCULAR	3.00	7.07	0.75	3.00
1	13.42					
	Pipe_-(117)	CIRCULAR	1.75	2.41	0.44	1.75
1	22.51					
	Pipe_-(118)	CIRCULAR	1.75	2.41	0.44	1.75
1	10.04					
	Pipe_-(119)	CIRCULAR	1.75	2.41	0.44	1.75
1	16.34					
	Pipe_-(120)	CIRCULAR	1.25	1.23	0.31	1.25
1	3.29					
	Pipe_-(122)	CIRCULAR	1.25	1.23	0.31	1.25
1	4.94					
	Pipe_-(123)	CIRCULAR	1.00	0.79	0.25	1.00
1	3.44					
	Pipe_-(124)	CIRCULAR	1.00	0.79	0.25	1.00
1	2.43					
	Pipe_-(125)	CIRCULAR	1.00	0.79	0.25	1.00
1	4.40					
	Pipe_-(126)	CIRCULAR	1.00	0.79	0.25	1.00
1	5.06					
	Pipe_-(127)	CIRCULAR	1.25	1.23	0.31	1.25
1	4.86					
	Pipe_-(128)	CIRCULAR	1.00	0.79	0.25	1.00
1	3.41					
	Pipe_-(130)	CIRCULAR	1.00	0.79	0.25	1.00
1	5.75					
	Pipe_-(133)	CIRCULAR	1.00	0.79	0.25	1.00
1	5.00					
	Pipe_-(134)	CIRCULAR	1.00	0.79	0.25	1.00
1	1.75					
	Pipe_-(135)	CIRCULAR	1.00	0.79	0.25	1.00
1	1.76					
	Pipe_-(136)	CIRCULAR	1.00	0.79	0.25	1.00
1	7.18					
	Pipe_-(137)	CIRCULAR	1.00	0.79	0.25	1.00
1	6.68					
	Pipe_-(138)	CIRCULAR	1.00	0.79	0.25	1.00
1	6.69					
	Pipe_-(153)	CIRCULAR	1.00	0.79	0.25	1.00
1	3.45					
	Pipe_-(154)	CIRCULAR	1.25	1.23	0.31	1.25
1	6.35					
	Pipe_-(155)	CIRCULAR	1.50	1.77	0.38	1.50
1	8.07					
	Pipe_-(156)	CIRCULAR	1.75	2.41	0.44	1.75
1	9.91					
	Pipe_-(157)	CIRCULAR	1.75	2.41	0.44	1.75
1	10.81					
	Pipe_-(158)	CIRCULAR	1.75	2.41	0.44	1.75
1	10.15					
	Pipe_-(159)	CIRCULAR	1.75	2.41	0.44	1.75
1	14.77					

1	Pipe_-(160)	CIRCULAR	2.00	3.14	0.50	2.00
	10.93					
1	Pipe_-(161)	CIRCULAR	2.00	3.14	0.50	2.00
	10.72					
1	Pipe_-(162)	CIRCULAR	2.00	3.14	0.50	2.00
	69.11					
1	Pipe_-(163)	CIRCULAR	4.00	12.57	1.00	4.00
	140.50					
1	Pipe_-(164)	CIRCULAR	2.75	5.94	0.69	2.75
	102.81					
1	Pipe_-(165)	CIRCULAR	2.00	3.14	0.50	2.00
	19.67					
1	Pipe_-(166)	CIRCULAR	1.50	1.77	0.38	1.50
	5.77					
1	Pipe_-(167)	CIRCULAR	1.50	1.77	0.38	1.50
	10.29					
1	Pipe_-(168)	CIRCULAR	1.50	1.77	0.38	1.50
	7.20					
1	Pipe_-(169)	CIRCULAR	1.50	1.77	0.38	1.50
	7.57					
1	Pipe_-(170)	CIRCULAR	1.25	1.23	0.31	1.25
	4.67					
1	Pipe_-(171)	CIRCULAR	1.25	1.23	0.31	1.25
	2.22					
1	Pipe_-(172)	CIRCULAR	1.00	0.79	0.25	1.00
	3.07					
1	Pipe_-(18)	CIRCULAR	1.75	2.41	0.44	1.75
	8.14					
1	Pipe_-(19)	CIRCULAR	1.50	1.77	0.38	1.50
	5.09					
1	Pipe_-(196)	CIRCULAR	2.00	3.14	0.50	2.00
	47.37					
1	Pipe_-(197)	CIRCULAR	2.00	3.14	0.50	2.00
	10.84					
1	Pipe_-(198)	CIRCULAR	2.00	3.14	0.50	2.00
	15.77					
1	Pipe_-(199)	CIRCULAR	1.75	2.41	0.44	1.75
	14.77					
1	Pipe_-(2)	CIRCULAR	1.50	1.77	0.38	1.50
	5.10					
1	Pipe_-(20)	CIRCULAR	1.50	1.77	0.38	1.50
	5.07					
1	Pipe_-(200)	CIRCULAR	1.75	2.41	0.44	1.75
	10.15					
1	Pipe_-(201)	CIRCULAR	1.75	2.41	0.44	1.75
	10.26					
1	Pipe_-(202)	CIRCULAR	1.75	2.41	0.44	1.75
	10.41					
1	Pipe_-(203)	CIRCULAR	1.50	1.77	0.38	1.50
	8.07					
1	Pipe_-(204)	CIRCULAR	1.25	1.23	0.31	1.25
	6.35					
1	Pipe_-(205)	CIRCULAR	1.00	0.79	0.25	1.00

1	3.45					
	Pipe_-(206)	CIRCULAR	2.00	3.14	0.50	2.00
1	57.73					
	Pipe_-(207)	CIRCULAR	2.00	3.14	0.50	2.00
1	10.72					
	Pipe_-(208)	CIRCULAR	2.00	3.14	0.50	2.00
1	18.41					
	Pipe_-(209)	CIRCULAR	2.00	3.14	0.50	2.00
1	17.40					
	Pipe_-(210)	CIRCULAR	1.75	2.41	0.44	1.75
1	13.58					
	Pipe_-(211)	CIRCULAR	1.75	2.41	0.44	1.75
1	12.23					
	Pipe_-(212)	CIRCULAR	1.75	2.41	0.44	1.75
1	11.62					
	Pipe_-(213)	CIRCULAR	1.75	2.41	0.44	1.75
1	11.10					
	Pipe_-(214)	CIRCULAR	1.50	1.77	0.38	1.50
1	8.21					
	Pipe_-(215)	CIRCULAR	1.25	1.23	0.31	1.25
1	4.95					
	Pipe_-(22)	FORCE_MAIN	0.25	0.05	0.06	0.25
1	0.05					
	Pipe_-(221)	CIRCULAR	3.00	7.07	0.75	3.00
1	98.66					
	Pipe_-(222)	CIRCULAR	2.50	4.91	0.63	2.50
1	55.06					
	Pipe_-(223)	CIRCULAR	2.00	3.14	0.50	2.00
1	25.18					
	Pipe_-(224)	CIRCULAR	2.00	3.14	0.50	2.00
1	18.99					
	Pipe_-(225)	CIRCULAR	2.00	3.14	0.50	2.00
1	20.50					
	Pipe_-(226)	CIRCULAR	1.75	2.41	0.44	1.75
1	14.77					
	Pipe_-(227)	CIRCULAR	1.75	2.41	0.44	1.75
1	10.15					
	Pipe_-(228)	CIRCULAR	1.75	2.41	0.44	1.75
1	11.08					
	Pipe_-(229)	CIRCULAR	1.75	2.41	0.44	1.75
1	9.71					
	Pipe_-(23)	FORCE_MAIN	0.50	0.20	0.13	0.50
1	0.29					
	Pipe_-(230)	CIRCULAR	1.50	1.77	0.38	1.50
1	8.07					
	Pipe_-(231)	CIRCULAR	1.25	1.23	0.31	1.25
1	6.62					
	Pipe_-(232)	CIRCULAR	1.00	0.79	0.25	1.00
1	3.33					
	Pipe_-(234)	CIRCULAR	1.50	1.77	0.38	1.50
1	7.85					
	Pipe_-(235)	CIRCULAR	1.50	1.77	0.38	1.50
1	11.72					



1	Pipe_-(236)	CIRCULAR	1.50	1.77	0.38	1.50
	5.98					
1	Pipe_-(237)	CIRCULAR	2.00	3.14	0.50	2.00
	87.40					
1	Pipe_-(238)	CIRCULAR	2.00	3.14	0.50	2.00
	11.37					
1	Pipe_-(239)	CIRCULAR	2.00	3.14	0.50	2.00
	15.77					
1	Pipe_-(24)	FORCE_MAIN	0.50	0.20	0.13	0.50
	0.29					
1	Pipe_-(240)	CIRCULAR	1.75	2.41	0.44	1.75
	14.77					
1	Pipe_-(241)	CIRCULAR	1.75	2.41	0.44	1.75
	10.15					
1	Pipe_-(242)	CIRCULAR	1.75	2.41	0.44	1.75
	10.81					
1	Pipe_-(243)	CIRCULAR	1.75	2.41	0.44	1.75
	9.91					
1	Pipe_-(244)	CIRCULAR	1.50	1.77	0.38	1.50
	7.93					
1	Pipe_-(245)	CIRCULAR	1.25	1.23	0.31	1.25
	6.44					
1	Pipe_-(246)	CIRCULAR	1.00	0.79	0.25	1.00
	3.45					
1	Pipe_-(247)	CIRCULAR	2.00	3.14	0.50	2.00
	104.84					
1	Pipe_-(248)	CIRCULAR	2.00	3.14	0.50	2.00
	10.72					
1	Pipe_-(249)	CIRCULAR	2.00	3.14	0.50	2.00
	18.41					
1	Pipe_-(25)	FORCE_MAIN	0.50	0.20	0.13	0.50
	0.29					
1	Pipe_-(250)	CIRCULAR	2.00	3.14	0.50	2.00
	17.40					
1	Pipe_-(251)	CIRCULAR	1.75	2.41	0.44	1.75
	13.58					
1	Pipe_-(252)	CIRCULAR	1.75	2.41	0.44	1.75
	12.23					
1	Pipe_-(253)	CIRCULAR	1.75	2.41	0.44	1.75
	11.62					
1	Pipe_-(254)	CIRCULAR	1.75	2.41	0.44	1.75
	11.10					
1	Pipe_-(255)	CIRCULAR	1.50	1.77	0.38	1.50
	8.21					
1	Pipe_-(256)	CIRCULAR	1.25	1.23	0.31	1.25
	5.31					
1	Pipe_-(257)	CIRCULAR	1.00	0.79	0.25	1.00
	2.75					
1	Pipe_-(258)	CIRCULAR	1.00	0.79	0.25	1.00
	0.25					
1	Pipe_-(259)	CIRCULAR	1.00	0.79	0.25	1.00
	2.66					
1	Pipe_-(26)	FORCE_MAIN	0.50	0.20	0.13	0.50

1	0.30					
	Pipe_-(260)	CIRCULAR	0.50	0.20	0.13	0.50
1	0.53					
	Pipe_-(261)	CIRCULAR	1.00	0.79	0.25	1.00
1	2.64					
	Pipe_-(264)	CIRCULAR	1.25	1.23	0.31	1.25
1	2.66					
	Pipe_-(265)	CIRCULAR	1.50	1.77	0.38	1.50
1	4.77					
	Pipe_-(266)	CIRCULAR	1.50	1.77	0.38	1.50
1	7.14					
	Pipe_-(267)	CIRCULAR	2.00	3.14	0.50	2.00
1	15.43					
	Pipe_-(268)	CIRCULAR	2.25	3.98	0.56	2.25
1	25.00					
	Pipe_-(27)	FORCE_MAIN	0.50	0.20	0.13	0.50
1	0.29					
	Pipe_-(277)	CIRCULAR	1.25	1.23	0.31	1.25
1	11.64					
	Pipe_-(278)	CIRCULAR	1.00	0.79	0.25	1.00
1	3.54					
	Pipe_-(28)	FORCE_MAIN	0.50	0.20	0.13	0.50
1	0.29					
	Pipe_-(285)	CIRCULAR	1.00	0.79	0.25	1.00
1	3.27					
	Pipe_-(288)	CIRCULAR	1.75	2.41	0.44	1.75
1	14.24					
	Pipe_-(29)	FORCE_MAIN	0.50	0.20	0.13	0.50
1	0.29					
	Pipe_-(295)	CIRCULAR	1.00	0.79	0.25	1.00
1	10.53					
	Pipe_-(296)	CIRCULAR	1.00	0.79	0.25	1.00
1	3.20					
	Pipe_-(3)	CIRCULAR	1.50	1.77	0.38	1.50
1	5.09					
	Pipe_-(30)	FORCE_MAIN	0.50	0.20	0.13	0.50
1	0.29					
	Pipe_-(307)	CIRCULAR	1.50	1.77	0.38	1.50
1	4.77					
	Pipe_-(308)	CIRCULAR	1.50	1.77	0.38	1.50
1	4.65					
	Pipe_-(309)	CIRCULAR	1.50	1.77	0.38	1.50
1	4.54					
	Pipe_-(31)	FORCE_MAIN	0.50	0.20	0.13	0.50
1	0.29					
	Pipe_-(310)	CIRCULAR	1.75	2.41	0.44	1.75
1	17.77					
	Pipe_-(311)	CIRCULAR	2.50	4.91	0.63	2.50
1	34.17					
	Pipe_-(312)	CIRCULAR	2.50	4.91	0.63	2.50
1	22.34					
	Pipe_-(313)	CIRCULAR	1.25	1.23	0.31	1.25
1	1.46					

1	Pipe_-(314)	CIRCULAR	1.00	0.79	0.25	1.00
	3.94					
1	Pipe_-(319)	CIRCULAR	0.50	0.20	0.13	0.50
	1.40					
1	Pipe_-(32)	FORCE_MAIN	0.50	0.20	0.13	0.50
	0.29					
1	Pipe_-(320)	CIRCULAR	0.50	0.20	0.13	0.50
	1.59					
1	Pipe_-(321)	CIRCULAR	1.25	1.23	0.31	1.25
	12.78					
1	Pipe_-(322)	CIRCULAR	1.25	1.23	0.31	1.25
	4.98					
1	Pipe_-(323)	CIRCULAR	1.00	0.79	0.25	1.00
	1.36					
1	Pipe_-(327)	CIRCULAR	1.50	1.77	0.38	1.50
	5.46					
1	Pipe_-(328)	CIRCULAR	1.25	1.23	0.31	1.25
	5.69					
1	Pipe_-(329)	CIRCULAR	1.00	0.79	0.25	1.00
	4.53					
1	Pipe_-(33)	FORCE_MAIN	0.50	0.20	0.13	0.50
	0.29					
1	Pipe_-(331)	CIRCULAR	1.00	0.79	0.25	1.00
	5.72					
1	Pipe_-(333)	CIRCULAR	1.00	0.79	0.25	1.00
	1.39					
1	Pipe_-(334)	CIRCULAR	1.00	0.79	0.25	1.00
	8.07					
1	Pipe_-(337)	CIRCULAR	4.00	12.57	1.00	4.00
	21.70					
1	Pipe_-(338)	CIRCULAR	4.00	12.57	1.00	4.00
	23.61					
1	Pipe_-(34)	FORCE_MAIN	0.50	0.20	0.13	0.50
	0.29					
1	Pipe_-(340)	CIRCULAR	2.00	3.14	0.50	2.00
	51.87					
1	Pipe_-(35)	CIRCULAR	3.50	9.62	0.88	3.50
	48.34					
1	Pipe_-(358)	CIRCULAR	1.50	1.77	0.38	1.50
	9.52					
1	Pipe_-(359)	CIRCULAR	1.50	1.77	0.38	1.50
	7.48					
1	Pipe_-(36)	CIRCULAR	3.50	9.62	0.88	3.50
	48.45					
1	Pipe_-(360)	CIRCULAR	1.50	1.77	0.38	1.50
	6.68					
1	Pipe_-(361)	CIRCULAR	0.67	0.35	0.17	0.67
	1.31					
1	Pipe_-(362)	CIRCULAR	0.67	0.35	0.17	0.67
	1.47					
1	Pipe_-(363)	CIRCULAR	0.67	0.35	0.17	0.67
	1.27					
1	Pipe_-(364)	CIRCULAR	1.00	0.79	0.25	1.00

1	3.38					
	Pipe_-(365)	CIRCULAR	1.00	0.79	0.25	1.00
1	11.92					
	Pipe_-(366)	CIRCULAR	3.50	9.62	0.88	3.50
1	88.93					
	Pipe_-(367)	CIRCULAR	3.50	9.62	0.88	3.50
1	53.14					
	Pipe_-(369)	CIRCULAR	0.67	0.35	0.17	0.67
1	6.20					
	Pipe_-(37)	CIRCULAR	3.50	9.62	0.88	3.50
1	47.97					
	Pipe_-(370)	CIRCULAR	3.00	7.07	0.75	3.00
1	6.27					
	Pipe_-(374)	CIRCULAR	1.00	0.79	0.25	1.00
1	0.06					
	Pipe_-(375)	CIRCULAR	1.00	0.79	0.25	1.00
1	1.13					
	Pipe_-(376)	CIRCULAR	1.33	1.40	0.33	1.33
1	4.46					
	Pipe_-(377)	CIRCULAR	1.50	1.77	0.38	1.50
1	10.21					
	Pipe_-(378)	CIRCULAR	1.50	1.77	0.38	1.50
1	16.91					
	Pipe_-(379)	CIRCULAR	1.50	1.77	0.38	1.50
1	16.90					
	Pipe_-(38)	CIRCULAR	3.50	9.62	0.88	3.50
1	48.51					
	Pipe_-(380)	CIRCULAR	1.00	0.79	0.25	1.00
1	5.30					
	Pipe_-(381)	CIRCULAR	1.50	1.77	0.38	1.50
1	39.67					
	Pipe_-(382)	CIRCULAR	0.67	0.35	0.17	0.67
1	2.04					
	Pipe_-(383)	CIRCULAR	0.67	0.35	0.17	0.67
1	2.05					
	Pipe_-(384)	CIRCULAR	1.00	0.79	0.25	1.00
1	4.94					
	Pipe_-(385)	CIRCULAR	0.67	0.35	0.17	0.67
1	1.72					
	Pipe_-(386)	CIRCULAR	0.67	0.35	0.17	0.67
1	2.04					
	Pipe_-(387)	CIRCULAR	0.67	0.35	0.17	0.67
1	2.22					
	Pipe_-(389)	CIRCULAR	0.67	0.35	0.17	0.67
1	6.33					
	Pipe_-(39)	CIRCULAR	3.50	9.62	0.88	3.50
1	149.88					
	Pipe_-(390)	CIRCULAR	1.50	1.77	0.38	1.50
1	6.14					
	Pipe_-(4)	CIRCULAR	2.00	3.14	0.50	2.00
1	10.93					
	Pipe_-(40)	CIRCULAR	3.50	9.62	0.88	3.50
1	34.45					

1	Pipe_-(404)	CIRCULAR	1.00	0.79	0.25	1.00
	7.57					
1	Pipe_-(405)	CIRCULAR	1.00	0.79	0.25	1.00
	2.49					
1	Pipe_-(408)	FORCE_MAIN	2.50	4.91	0.63	2.50
	61.15					
1	Pipe_-(409)	FORCE_MAIN	2.50	4.91	0.63	2.50
	41.96					
1	Pipe_-(41)	CIRCULAR	3.50	9.62	0.88	3.50
	56.91					
1	Pipe_-(410)	FORCE_MAIN	2.50	4.91	0.63	2.50
	42.44					
1	Pipe_-(411)	FORCE_MAIN	2.50	4.91	0.63	2.50
	42.16					
1	Pipe_-(412)	FORCE_MAIN	2.50	4.91	0.63	2.50
	35.55					
1	Pipe_-(42)	CIRCULAR	3.50	9.62	0.88	3.50
	48.34					
1	Pipe_-(423)	FORCE_MAIN	1.50	1.77	0.38	1.50
	11.24					
1	Pipe_-(424)	FORCE_MAIN	1.50	1.77	0.38	1.50
	11.10					
1	Pipe_-(425)	FORCE_MAIN	1.50	1.77	0.38	1.50
	11.22					
1	Pipe_-(426)	FORCE_MAIN	1.50	1.77	0.38	1.50
	11.20					
1	Pipe_-(427)	FORCE_MAIN	1.50	1.77	0.38	1.50
	11.00					
1	Pipe_-(429)	CIRCULAR	1.50	1.77	0.38	1.50
	2.81					
1	Pipe_-(43)	CIRCULAR	3.50	9.62	0.88	3.50
	50.01					
1	Pipe_-(430)	CIRCULAR	1.50	1.77	0.38	1.50
	2.99					
1	Pipe_-(431)	CIRCULAR	1.50	1.77	0.38	1.50
	4.80					
1	Pipe_-(432)	CIRCULAR	1.67	2.18	0.42	1.67
	6.52					
1	Pipe_-(433)	CIRCULAR	1.67	2.18	0.42	1.67
	4.79					
1	Pipe_-(434)	FORCE_MAIN	1.67	2.18	0.42	1.67
	13.75					
1	Pipe_-(435)	FORCE_MAIN	1.67	2.18	0.42	1.67
	13.50					
1	Pipe_-(436)	FORCE_MAIN	1.67	2.18	0.42	1.67
	15.14					
1	Pipe_-(437)	FORCE_MAIN	1.67	2.18	0.42	1.67
	13.48					
1	Pipe_-(438)	FORCE_MAIN	1.67	2.18	0.42	1.67
	13.75					
1	Pipe_-(439)	FORCE_MAIN	1.67	2.18	0.42	1.67
	304.16					
	Pipe_-(44)	CIRCULAR	3.50	9.62	0.88	3.50

1	49.46					
	Pipe_-(443)	CIRCULAR	2.00	3.14	0.50	2.00
1	46.32					
	Pipe_-(444)	CIRCULAR	2.00	3.14	0.50	2.00
1	16.38					
	Pipe_-(445)	CIRCULAR	2.00	3.14	0.50	2.00
1	17.03					
	Pipe_-(446)	CIRCULAR	2.00	3.14	0.50	2.00
1	17.59					
	Pipe_-(447)	CIRCULAR	1.25	1.23	0.31	1.25
1	5.78					
	Pipe_-(448)	CIRCULAR	1.25	1.23	0.31	1.25
1	5.93					
	Pipe_-(449)	CIRCULAR	1.25	1.23	0.31	1.25
1	5.95					
	Pipe_-(45)	ARCH	3.33	14.23	1.00	5.42
1	58.96					
	Pipe_-(450)	CIRCULAR	3.00	7.07	0.75	3.00
1	15.15					
	Pipe_-(452)	CIRCULAR	1.50	1.77	0.38	1.50
1	0.82					
	Pipe_-(453)	CIRCULAR	1.50	1.77	0.38	1.50
1	3.22					
	Pipe_-(454)	CIRCULAR	1.50	1.77	0.38	1.50
1	2.94					
	Pipe_-(455)	CIRCULAR	1.50	1.77	0.38	1.50
1	9.18					
	Pipe_-(456)	CIRCULAR	1.50	1.77	0.38	1.50
1	5.24					
	Pipe_-(460)	CIRCULAR	0.50	0.20	0.13	0.50
1	0.51					
	Pipe_-(461)	CIRCULAR	3.00	7.07	0.75	3.00
1	1.55					
	Pipe_-(462)	CIRCULAR	3.00	7.07	0.75	3.00
1	34.64					
	Pipe_-(467)	CIRCULAR	4.00	12.57	1.00	4.00
1	41.18					
	Pipe_-(47)	ARCH	3.33	14.23	1.00	5.42
1	75.04					
	Pipe_-(474)	CIRCULAR	1.50	1.77	0.38	1.50
1	6.24					
	Pipe_-(49)	ARCH	3.33	14.23	1.00	5.42
1	53.10					
	Pipe_-(5)	CIRCULAR	2.00	3.14	0.50	2.00
1	10.93					
	Pipe_-(50)	ARCH	3.33	14.23	1.00	5.42
1	44.28					
	Pipe_-(51)	ARCH	3.33	14.23	1.00	5.42
1	8.01					
	Pipe_-(52)	ARCH	3.33	14.23	1.00	5.42
1	20.13					
	Pipe_-(53)	ARCH	3.33	14.23	1.00	5.42
1	53.62					

1	Pipe_-(54)	CIRCULAR	1.50	1.77	0.38	1.50
	5.08					
1	Pipe_-(55)	CIRCULAR	1.50	1.77	0.38	1.50
	4.99					
1	Pipe_-(56)	CIRCULAR	1.50	1.77	0.38	1.50
	5.10					
1	Pipe_-(57)	CIRCULAR	1.50	1.77	0.38	1.50
	5.09					
1	Pipe_-(58)	CIRCULAR	1.50	1.77	0.38	1.50
	5.19					
1	Pipe_-(59)	CIRCULAR	1.50	1.77	0.38	1.50
	5.07					
1	Pipe_-(6)	CIRCULAR	2.00	3.14	0.50	2.00
	10.99					
1	Pipe_-(60)	CIRCULAR	1.50	1.77	0.38	1.50
	5.08					
1	Pipe_-(65)	CIRCULAR	1.50	1.77	0.38	1.50
	5.09					
1	Pipe_-(66)	CIRCULAR	1.50	1.77	0.38	1.50
	16.29					
1	Pipe_-(67)	CIRCULAR	1.50	1.77	0.38	1.50
	5.07					
1	Pipe_-(68)	CIRCULAR	1.50	1.77	0.38	1.50
	5.10					
1	Pipe_-(69)	CIRCULAR	1.50	1.77	0.38	1.50
	5.09					
1	Pipe_-(7)	CIRCULAR	2.50	4.91	0.63	2.50
	17.27					
1	Pipe_-(70)	CIRCULAR	1.50	1.77	0.38	1.50
	5.09					
1	Pipe_-(71)	CIRCULAR	1.50	1.77	0.38	1.50
	5.09					
1	Pipe_-(72)	CIRCULAR	1.50	1.77	0.38	1.50
	5.09					
1	Pipe_-(73)	CIRCULAR	1.25	1.23	0.31	1.25
	3.13					
1	Pipe_-(74)	CIRCULAR	1.50	1.77	0.38	1.50
	4.98					
1	Pipe_-(75)	CIRCULAR	1.50	1.77	0.38	1.50
	5.12					
1	Pipe_-(76)	CIRCULAR	1.50	1.77	0.38	1.50
	5.09					
1	Pipe_-(77)	CIRCULAR	1.50	1.77	0.38	1.50
	5.09					
1	Pipe_-(78)	CIRCULAR	1.50	1.77	0.38	1.50
	5.09					
1	Pipe_-(79)	CIRCULAR	1.50	1.77	0.38	1.50
	5.09					
1	Pipe_-(8)	CIRCULAR	2.50	4.91	0.63	2.50
	17.15					
1	Pipe_-(80)	CIRCULAR	1.25	1.23	0.31	1.25
	3.13					
	Pipe_-(81)	CIRCULAR	2.00	3.14	0.50	2.00

1	43.38					
	Pipe_-(82)	CIRCULAR	2.00	3.14	0.50	2.00
1	14.65					
	Pipe_-(83)	CIRCULAR	2.00	3.14	0.50	2.00
1	15.17					
	Pipe_-(84)	CIRCULAR	2.00	3.14	0.50	2.00
1	14.04					
	Pipe_-(85)	CIRCULAR	1.75	2.41	0.44	1.75
1	6.30					
	Pipe_-(87)	CIRCULAR	1.75	2.41	0.44	1.75
1	25.68					
	Pipe_-(88)	CIRCULAR	1.75	2.41	0.44	1.75
1	11.92					
	Pipe_-(89)	CIRCULAR	1.75	2.41	0.44	1.75
1	10.87					
	Pipe_-(9)	CIRCULAR	2.50	4.91	0.63	2.50
1	6.61					
	Pipe_-(90)	CIRCULAR	1.75	2.41	0.44	1.75
1	5.54					
	Pipe_-(91)	CIRCULAR	1.50	1.77	0.38	1.50
1	3.09					
	Pipe_-(92)	CIRCULAR	1.50	1.77	0.38	1.50
1	6.19					
	Pipe_-(93)	CIRCULAR	1.50	1.77	0.38	1.50
1	6.28					
	Pipe_-(94)	CIRCULAR	1.50	1.77	0.38	1.50
1	6.25					
	Pipe_-(95)	CIRCULAR	1.50	1.77	0.38	1.50
1	6.27					
	Pipe_-(96)	CIRCULAR	1.50	1.77	0.38	1.50
1	6.21					
	Pipe_-(97)	CIRCULAR	1.50	1.77	0.38	1.50
1	6.25					
	Pipe_PS_A	CIRCULAR	1.50	1.77	0.38	1.50
1	88.87					
	Pipe_PS_B	CIRCULAR	2.50	4.91	0.63	2.50
1	3.94					
	Pipe468	CIRCULAR	2.00	3.14	0.50	2.00
1	6.25					
	Pipe483	CIRCULAR	1.00	0.79	0.25	1.00
1	3.86					
	PSC_Overflow	CIRCULAR	1.17	1.07	0.29	1.17
1	8.12					
	PSC_to_Outfall	FORCE_MAIN	1.67	2.18	0.42	1.67
1	25.78					

\*\*\*\*\*  
NOTE: The summary statistics displayed in this report are based on results found at every computational time step, not just on results from each reporting time step.  
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Analysis Options

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Flow Units ..... CFS  
Process Models:  
  Rainfall/Runoff ..... YES  
  RDII ..... NO  
  Snowmelt ..... NO  
  Groundwater ..... NO  
  Flow Routing ..... YES  
  Ponding Allowed ..... YES  
  Water Quality ..... NO  
Infiltration Method ..... HORTON  
Flow Routing Method ..... DYNWAVE  
Surcharge Method ..... EXTRAN  
Starting Date ..... 01/05/2002 12:00:00  
Ending Date ..... 01/07/2002 12:00:00  
Antecedent Dry Days ..... 0.0  
Report Time Step ..... 00:01:00  
Wet Time Step ..... 00:05:00  
Dry Time Step ..... 00:05:00  
Routing Time Step ..... 1.00 sec  
Variable Time Step ..... YES  
Maximum Trials ..... 8  
Number of Threads ..... 2  
Head Tolerance ..... 0.005000 ft

*****	Volume	Depth
Runoff Quantity Continuity	acre-feet	inches
*****	-----	-----
Total Precipitation .....	0.000	0.000
Evaporation Loss .....	0.000	0.000
Infiltration Loss .....	0.000	0.000
Surface Runoff .....	0.000	0.000
Final Storage .....	0.000	0.000
Continuity Error (%) .....	0.000	

*****	Volume	Volume
Flow Routing Continuity	acre-feet	10^6 gal
*****	-----	-----
Dry Weather Inflow .....	0.000	0.000
Wet Weather Inflow .....	0.000	0.000
Groundwater Inflow .....	0.000	0.000
RDII Inflow .....	0.000	0.000
External Inflow .....	29.435	9.592
External Outflow .....	19.695	6.418
Flooding Loss .....	0.000	0.000
Evaporation Loss .....	0.000	0.000
Exfiltration Loss .....	0.000	0.000
Initial Stored Volume ....	16.175	5.271

Final Stored Volume ..... 24.569 8.006  
Continuity Error (%) ..... 2.951

\*\*\*\*\*

Highest Continuity Errors

\*\*\*\*\*

Node Structure\_-(481) (36.98%)  
Node Ditch9\_10\_11 (31.32%)  
Node Structure\_-(453) (29.84%)  
Node Culvert\_Ditch12b (20.85%)  
Node Ditch2\_3 (18.64%)

\*\*\*\*\*

Time-Step Critical Elements

\*\*\*\*\*

Link 381\_to\_PS77 (38.05%)  
Link Pipe\_-(412) (13.28%)  
Link 469\_to\_Inlet (10.43%)  
Link 172\_to\_Inlet (2.08%)  
Link 458\_to\_Inlet (1.00%)

\*\*\*\*\*

Highest Flow Instability Indexes

\*\*\*\*\*

Link 469\_to\_Inlet (44)  
Link Ditch\_77 (36)  
Link Pipe\_-(206) (34)  
Link Pipe\_-(196) (33)  
Link Pipe\_-(247) (32)

\*\*\*\*\*

Routing Time Step Summary

\*\*\*\*\*

Minimum Time Step : 0.38 sec  
Average Time Step : 0.67 sec  
Maximum Time Step : 1.00 sec  
Percent in Steady State : 0.00  
Average Iterations per Step : 3.96  
Percent Not Converging : 17.31  
Time Step Frequencies :  
    1.000 - 0.871 sec : 34.50 %  
    0.871 - 0.758 sec : 0.02 %  
    0.758 - 0.660 sec : 0.02 %  
    0.660 - 0.574 sec : 0.03 %  
    0.574 - 0.500 sec : 65.42 %

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Subcatchment Runoff Summary

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Perv Runoff Subcatchment in	Total Runoff in	Total Total Precip Runoff in 10^6 gal	Total Peak Runon Runoff in CFS	Runoff Coeff	Total Evap in	Total Infil in	Imperv Runoff in
2.1	0.00	0.00	0.00	0.000	0.00	0.00	0.00
2.2	0.00	0.00	0.00	0.000	0.00	0.00	0.00
2.3	0.00	0.00	0.00	0.000	0.00	0.00	0.00
2.4	0.00	0.00	0.00	0.000	0.00	0.00	0.00
3	0.00	0.00	0.00	0.000	0.00	0.00	0.00
5	0.00	0.00	0.00	0.000	0.00	0.00	0.00
A	0.00	0.00	0.00	0.000	0.00	0.00	0.00
B	0.00	0.00	0.00	0.000	0.00	0.00	0.00
C	0.00	0.00	0.00	0.000	0.00	0.00	0.00
D	0.00	0.00	0.00	0.000	0.00	0.00	0.00
E	0.00	0.00	0.00	0.000	0.00	0.00	0.00
F	0.00	0.00	0.00	0.000	0.00	0.00	0.00
G	0.00	0.00	0.00	0.000	0.00	0.00	0.00
H	0.00	0.00	0.00	0.000	0.00	0.00	0.00

\*\*\*\*\*  
Node Depth Summary  
\*\*\*\*\*

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Average Maximum Maximum Time of Max  
Reported

Depth Node Feet	Type	Depth Feet	Depth Feet	HGL Feet	Occurrence days hr:min	Max
---						
CB19 1.50	JUNCTION	0.14	1.51	8.12	1 04:00	
CB22 1.16	JUNCTION	0.19	1.17	7.19	1 04:00	
CB30 0.66	JUNCTION	0.29	0.66	7.83	1 04:00	
CB31 1.03	JUNCTION	0.15	1.03	8.43	1 04:00	
CB33 0.34	JUNCTION	0.06	0.34	7.52	1 04:00	
Culvert_Ditch11 3.44	JUNCTION	1.42	4.34	7.68	1 04:17	
Culvert_Ditch12 3.05	JUNCTION	1.53	3.05	6.03	1 14:31	
Culvert_Ditch12a 3.67	JUNCTION	1.92	3.67	6.06	1 13:03	
Culvert_Ditch12b 5.01	JUNCTION	1.90	5.01	7.40	1 14:32	
Culvert_Ditch12c 5.52	JUNCTION	3.12	5.52	6.02	1 13:02	
Ditch1_2 6.18	JUNCTION	4.82	6.18	7.18	1 05:34	
Ditch10_Inlet 2.74	JUNCTION	1.25	5.01	8.81	1 04:17	
Ditch11_12 3.78	JUNCTION	1.71	4.69	7.67	1 04:17	
Ditch12_18 5.52	JUNCTION	3.09	5.52	6.02	1 13:02	
Ditch14_15 1.33	JUNCTION	0.60	1.33	5.45	1 04:15	
Ditch15_16 1.13	JUNCTION	0.56	1.13	4.25	1 04:16	
Ditch16_17 0.59	JUNCTION	0.06	0.59	2.77	1 04:16	
Ditch17_5_6 1.52	JUNCTION	0.30	1.52	2.76	1 04:16	
Ditch2_3 6.18	JUNCTION	4.82	6.18	7.18	1 05:36	
Ditch3_Out 6.18	JUNCTION	4.82	6.18	7.18	1 05:37	
Ditch4_Berm 3.23	JUNCTION	3.04	3.23	7.23	1 04:19	
Ditch4_In 2.24	JUNCTION	2.05	2.24	7.24	1 04:21	
Ditch4_Out 4.18	JUNCTION	2.82	4.18	7.18	1 05:37	

Ditch5_Inlet	JUNCTION	0.14	1.01	3.26	1	04:09
1.01						
Ditch6_7	JUNCTION	0.26	1.36	2.60	1	04:18
1.36						
Ditch7_8	JUNCTION	0.60	2.02	-0.30	1	04:17
2.02						
Ditch9_10_11	JUNCTION	1.58	5.01	8.35	1	04:25
5.00						
Ditch9_Inlet	JUNCTION	0.04	0.30	8.76	1	04:03
0.30						
Facility77_PS	JUNCTION	14.22	45.73	54.03	1	05:54
45.73						
PS004	JUNCTION	5.11	8.02	6.02	1	13:02
8.02						
PSC_Outlet	JUNCTION	12.72	49.83	61.33	1	10:17
49.83						
SDCB294	JUNCTION	0.35	2.12	4.65	1	04:02
2.11						
SDCB541	JUNCTION	0.85	1.89	7.20	1	04:00
1.89						
SDCB543	JUNCTION	0.23	0.70	7.81	1	04:00
0.69						
SDCB6003	JUNCTION	0.29	1.85	4.78	1	04:01
1.85						
SDCB6005	JUNCTION	2.63	3.12	8.87	1	04:00
3.12						
SDMH297	JUNCTION	0.36	1.93	4.41	1	04:01
1.93						
SDMH299	JUNCTION	0.34	1.92	4.42	1	04:01
1.92						
SDMH301	JUNCTION	0.34	1.88	4.18	1	03:55
1.83						
SDMH538	JUNCTION	1.02	1.46	6.34	1	04:00
1.46						
SDMH539	JUNCTION	0.94	2.10	5.63	1	04:00
2.10						
SDMH540	JUNCTION	0.76	1.96	5.74	1	04:00
1.95						
Structure_-(1)	JUNCTION	0.08	1.23	8.65	1	04:12
1.22						
Structure_-(10)	JUNCTION	0.95	3.77	8.51	1	04:13
3.74						
Structure_-(100)	JUNCTION	0.05	0.29	10.91	1	04:00
0.29						
Structure_-(101)	JUNCTION	0.04	0.25	10.92	1	04:00
0.25						
Structure_-(102)	JUNCTION	0.05	0.25	10.75	1	04:00
0.25						
Structure_-(123)	JUNCTION	0.09	0.65	8.11	1	04:14
0.65						
Structure_-(124)	JUNCTION	0.11	0.57	8.28	1	04:02
0.57						
Structure_-(125)	JUNCTION	0.08	0.43	10.25	1	04:01

0.43	Structure_-(126)	JUNCTION	0.08	0.45	10.57	1	04:01
0.45	Structure_-(128)	JUNCTION	0.06	0.30	11.44	1	04:01
0.30	Structure_-(129)	JUNCTION	0.04	0.23	13.04	1	04:00
0.23	Structure_-(130)	JUNCTION	0.08	0.42	11.04	1	04:00
0.42	Structure_-(131)	JUNCTION	0.05	0.26	11.39	1	04:00
0.26	Structure_-(132)	JUNCTION	0.04	0.19	12.12	1	04:00
0.19	Structure_-(133)	JUNCTION	0.07	0.39	11.01	1	04:00
0.39	Structure_-(134)	JUNCTION	0.27	0.48	11.78	1	04:00
0.48	Structure_-(136)	JUNCTION	0.81	1.06	12.89	1	04:00
1.06	Structure_-(139)	JUNCTION	1.20	6.38	10.50	1	04:00
5.47	Structure_-(140)	JUNCTION	1.13	5.42	9.64	1	04:01
5.39	Structure_-(141)	JUNCTION	1.71	5.50	9.10	1	04:01
5.48	Structure_-(142)	JUNCTION	0.50	3.18	8.62	1	04:01
3.16	Structure_-(143)	JUNCTION	0.16	2.08	8.48	1	03:51
1.64	Structure_-(144)	JUNCTION	0.07	1.33	8.09	1	04:13
1.28	Structure_-(161)	JUNCTION	0.47	3.83	9.97	1	04:05
1.67	Structure_-(162)	JUNCTION	0.76	3.74	8.99	1	04:05
2.55	Structure_-(163)	JUNCTION	1.00	4.09	8.71	1	04:05
3.18	Structure_-(164)	JUNCTION	1.26	4.41	8.44	1	04:05
3.76	Structure_-(165)	JUNCTION	1.44	4.61	8.31	1	04:05
4.09	Structure_-(166)	JUNCTION	1.65	4.79	8.14	1	04:05
4.43	Structure_-(167)	JUNCTION	2.06	5.00	7.79	1	04:15
4.97	Structure_-(168)	JUNCTION	2.52	5.60	7.75	1	04:15
5.60	Structure_-(169)	JUNCTION	3.01	6.16	7.74	1	04:15
6.16	Structure_-(170)	JUNCTION	3.17	6.39	7.79	1	04:16
6.34	Structure_-(171)	JUNCTION	5.53	9.35	7.78	1	04:15
9.35							

Structure_-(172)	JUNCTION	6.73	10.72	7.72	1	04:16
10.72						
Structure_-(173)	JUNCTION	3.88	7.26	7.81	1	04:17
7.21						
Structure_-(174)	JUNCTION	3.41	6.72	7.82	1	04:15
6.70						
Structure_-(175)	JUNCTION	3.18	6.48	7.84	1	04:14
6.44						
Structure_-(176)	JUNCTION	2.28	5.40	7.84	1	04:16
5.38						
Structure_-(177)	JUNCTION	1.65	4.54	7.88	1	04:17
4.52						
Structure_-(178)	JUNCTION	1.08	4.04	8.38	1	19:25
3.53						
Structure_-(179)	JUNCTION	0.64	3.01	8.25	1	12:08
2.64						
Structure_-(180)	JUNCTION	1.30	3.35	7.95	1	04:17
3.31						
Structure_-(181)	JUNCTION	0.30	1.82	7.96	1	04:15
1.78						
Structure_-(19)	JUNCTION	0.70	3.46	8.51	1	04:13
3.43						
Structure_-(2)	JUNCTION	0.11	1.34	8.65	1	04:12
1.33						
Structure_-(20)	JUNCTION	0.39	2.81	8.58	1	04:13
2.79						
Structure_-(205)	JUNCTION	3.15	6.43	7.84	1	04:18
6.38						
Structure_-(206)	JUNCTION	2.99	6.19	7.78	1	04:16
6.19						
Structure_-(207)	JUNCTION	2.53	5.63	7.79	1	04:17
5.63						
Structure_-(208)	JUNCTION	2.06	5.00	7.79	1	04:17
5.00						
Structure_-(209)	JUNCTION	1.65	5.00	8.35	1	19:25
4.46						
Structure_-(21)	JUNCTION	0.26	2.41	8.57	1	04:13
2.39						
Structure_-(210)	JUNCTION	1.48	4.60	8.25	1	04:06
4.16						
Structure_-(211)	JUNCTION	1.26	4.32	8.35	1	04:06
3.81						
Structure_-(212)	JUNCTION	1.00	4.25	8.88	1	19:25
3.21						
Structure_-(213)	JUNCTION	0.76	3.47	8.72	1	04:06
2.60						
Structure_-(214)	JUNCTION	0.47	3.69	9.82	1	04:06
1.73						
Structure_-(215)	JUNCTION	3.56	6.89	7.82	1	04:18
6.84						
Structure_-(216)	JUNCTION	3.40	6.65	7.76	1	04:16
6.64						
Structure_-(217)	JUNCTION	2.73	5.85	7.76	1	04:16

5.85	Structure_-(218)	JUNCTION	2.33	5.37	7.77	1	04:17
5.37	Structure_-(219)	JUNCTION	1.64	4.47	7.89	1	04:07
4.39	Structure_-(220)	JUNCTION	1.32	4.15	8.06	1	04:07
3.89	Structure_-(221)	JUNCTION	1.05	3.78	8.21	1	04:07
3.42	Structure_-(222)	JUNCTION	0.80	3.38	8.34	1	04:07
2.87	Structure_-(223)	JUNCTION	0.56	3.06	8.52	1	04:07
2.42	Structure_-(23)	JUNCTION	10.57	17.93	32.41	2	00:00
17.93	Structure_-(230)	JUNCTION	4.47	8.06	7.81	1	04:15
8.04	Structure_-(231)	JUNCTION	3.80	7.26	7.81	1	04:16
7.23	Structure_-(232)	JUNCTION	3.15	6.45	7.81	1	04:17
6.41	Structure_-(233)	JUNCTION	3.44	6.75	7.81	1	04:16
6.71	Structure_-(234)	JUNCTION	2.53	5.67	7.82	1	04:07
5.62	Structure_-(235)	JUNCTION	2.06	5.10	7.89	1	04:07
5.00	Structure_-(236)	JUNCTION	1.65	4.63	7.98	1	04:07
4.44	Structure_-(237)	JUNCTION	1.44	4.32	8.03	1	04:07
4.09	Structure_-(238)	JUNCTION	1.26	4.03	8.06	1	04:07
3.76	Structure_-(239)	JUNCTION	0.99	3.54	8.16	1	04:06
3.18	Structure_-(24)	JUNCTION	4.54	9.27	23.74	2	00:00
9.27	Structure_-(240)	JUNCTION	0.73	2.94	8.29	1	04:06
2.45	Structure_-(241)	JUNCTION	0.47	2.71	8.84	1	04:06
1.68	Structure_-(242)	JUNCTION	1.72	2.26	5.46	1	04:15
2.26	Structure_-(243)	JUNCTION	1.23	1.89	5.65	1	03:44
1.80	Structure_-(244)	JUNCTION	0.43	0.86	5.54	1	04:09
0.86	Structure_-(245)	JUNCTION	0.22	0.63	5.58	1	04:06
0.63	Structure_-(246)	JUNCTION	3.18	6.44	7.82	1	04:16
6.43	Structure_-(247)	JUNCTION	3.00	6.18	7.76	1	04:17
6.18							



Structure_-(248)	JUNCTION	2.53	5.61	7.77	1	04:17
5.61						
Structure_-(249)	JUNCTION	2.06	5.00	7.79	1	04:14
5.00						
Structure_-(25)	JUNCTION	4.42	9.08	23.48	2	00:00
9.08						
Structure_-(250)	JUNCTION	1.65	4.66	8.01	1	04:06
4.46						
Structure_-(251)	JUNCTION	1.45	4.44	8.14	1	04:06
4.12						
Structure_-(252)	JUNCTION	1.26	4.19	8.22	1	04:06
3.80						
Structure_-(253)	JUNCTION	1.02	3.87	8.46	1	19:25
3.23						
Structure_-(254)	JUNCTION	0.76	3.31	8.56	1	04:06
2.57						
Structure_-(255)	JUNCTION	0.47	3.33	9.47	1	04:06
1.69						
Structure_-(256)	JUNCTION	3.55	6.87	7.80	1	04:16
6.82						
Structure_-(257)	JUNCTION	3.39	6.65	7.76	1	04:16
6.65						
Structure_-(258)	JUNCTION	2.72	5.87	7.78	1	04:15
5.87						
Structure_-(259)	JUNCTION	2.33	5.40	7.80	1	04:16
5.39						
Structure_-(26)	JUNCTION	4.03	8.47	22.55	2	00:00
8.47						
Structure_-(260)	JUNCTION	1.64	4.45	7.87	1	04:16
4.42						
Structure_-(261)	JUNCTION	1.33	3.99	7.90	1	04:16
3.97						
Structure_-(262)	JUNCTION	1.06	3.48	7.91	1	04:17
3.44						
Structure_-(263)	JUNCTION	0.82	2.97	7.93	1	04:16
2.92						
Structure_-(264)	JUNCTION	0.58	2.48	7.94	1	04:08
2.47						
Structure_-(265)	JUNCTION	0.41	1.97	8.10	1	04:09
1.83						
Structure_-(266)	JUNCTION	0.10	1.27	8.06	1	04:08
1.23						
Structure_-(267)	JUNCTION	0.13	1.25	8.04	1	04:08
1.24						
Structure_-(268)	JUNCTION	0.07	0.77	8.05	1	04:16
0.76						
Structure_-(269)	JUNCTION	0.06	0.60	8.09	1	04:10
0.59						
Structure_-(27)	JUNCTION	3.14	6.95	20.13	2	00:00
6.95						
Structure_-(270)	JUNCTION	0.04	0.62	8.04	1	04:16
0.61						
Structure_-(273)	JUNCTION	0.08	0.34	11.47	1	04:01

0.34	Structure_-(274)	JUNCTION	0.07	0.37	11.00	1	04:00
0.37	Structure_-(275)	JUNCTION	0.07	0.36	10.81	1	04:01
0.36	Structure_-(276)	JUNCTION	0.08	0.43	9.70	1	04:01
0.43	Structure_-(277)	JUNCTION	0.11	0.59	8.98	1	04:01
0.59	Structure_-(278)	JUNCTION	0.06	0.75	8.42	1	04:13
0.75	Structure_-(28)	JUNCTION	3.03	6.76	19.82	2	00:00
6.76	Structure_-(287)	JUNCTION	1.48	1.94	12.39	1	04:00
1.94	Structure_-(288)	JUNCTION	0.81	1.17	12.40	1	04:00
1.17	Structure_-(29)	JUNCTION	2.97	6.65	19.64	2	00:00
6.65	Structure_-(298)	JUNCTION	0.48	0.70	11.13	1	04:00
0.70	Structure_-(3)	JUNCTION	0.13	1.70	8.65	1	04:11
1.70	Structure_-(30)	JUNCTION	2.74	6.18	18.88	2	00:00
6.18	Structure_-(305)	JUNCTION	1.51	1.89	12.57	1	04:00
1.89	Structure_-(306)	JUNCTION	0.59	0.85	12.58	1	04:00
0.85	Structure_-(31)	JUNCTION	2.15	4.95	16.88	2	00:00
4.95	Structure_-(319)	JUNCTION	0.22	1.75	8.06	1	04:00
1.74	Structure_-(32)	JUNCTION	1.87	4.32	15.86	2	00:00
4.32	Structure_-(320)	JUNCTION	0.25	1.61	7.77	1	04:00
1.60	Structure_-(325)	JUNCTION	1.02	2.77	8.25	1	03:59
2.75	Structure_-(326)	JUNCTION	0.09	1.09	8.55	1	03:58
1.08	Structure_-(33)	JUNCTION	1.73	4.01	15.35	2	00:00
4.01	Structure_-(331)	JUNCTION	0.87	5.14	13.19	1	04:03
5.14	Structure_-(332)	JUNCTION	0.98	4.46	12.51	1	03:59
4.46	Structure_-(333)	JUNCTION	0.70	1.07	7.79	1	04:00
1.07	Structure_-(34)	JUNCTION	1.22	2.79	13.37	2	00:00
2.79	Structure_-(341)	JUNCTION	1.91	2.52	8.96	1	04:00
2.52							

Structure_-(35)	JUNCTION	0.43	0.80	10.08	2	00:00
0.80						
Structure_-(37)	JUNCTION	0.23	0.94	9.75	1	04:02
0.94						
Structure_-(370)	JUNCTION	0.04	1.11	9.34	1	04:04
0.69						
Structure_-(371)	JUNCTION	0.03	0.51	8.92	1	04:05
0.50						
Structure_-(372)	JUNCTION	0.04	0.19	10.67	1	04:01
0.19						
Structure_-(373)	JUNCTION	0.01	1.21	9.36	1	04:04
1.10						
Structure_-(374)	JUNCTION	0.04	0.20	9.14	1	04:00
0.20						
Structure_-(375)	JUNCTION	0.05	0.29	8.93	1	04:00
0.29						
Structure_-(376)	JUNCTION	0.06	0.38	8.78	1	04:00
0.38						
Structure_-(377)	JUNCTION	0.07	0.38	8.48	1	04:00
0.38						
Structure_-(378)	JUNCTION	0.04	0.22	7.95	1	04:00
0.22						
Structure_-(379)	JUNCTION	3.52	5.31	7.62	1	04:18
5.29						
Structure_-(38)	JUNCTION	0.26	1.06	9.58	1	04:03
1.05						
Structure_-(380)	JUNCTION	2.71	4.56	7.69	1	04:18
4.53						
Structure_-(381)	JUNCTION	2.89	4.77	7.72	1	04:16
4.77						
Structure_-(389)	JUNCTION	0.00	0.00	11.23	0	00:00
0.00						
Structure_-(39)	JUNCTION	0.25	1.05	9.46	1	04:03
1.04						
Structure_-(390)	JUNCTION	0.00	0.00	11.23	0	00:00
0.00						
Structure_-(391)	JUNCTION	0.04	0.21	10.96	1	04:00
0.21						
Structure_-(392)	JUNCTION	0.07	0.44	7.18	1	05:31
0.44						
Structure_-(393)	JUNCTION	0.64	1.38	7.18	1	05:31
1.38						
Structure_-(394)	JUNCTION	1.78	3.13	7.18	1	05:28
3.13						
Structure_-(395)	JUNCTION	3.54	4.92	7.21	1	05:34
4.91						
Structure_-(396)	JUNCTION	0.04	0.22	11.84	1	04:00
0.22						
Structure_-(397)	JUNCTION	0.02	0.09	8.89	1	04:00
0.09						
Structure_-(398)	JUNCTION	0.08	0.48	7.18	1	05:31
0.48						
Structure_-(399)	JUNCTION	0.03	0.16	7.54	1	04:00

0.16	Structure_-(4)	JUNCTION	0.16	1.92	8.61	1	04:11
1.91	Structure_-(40)	JUNCTION	0.15	0.66	8.89	1	04:03
0.65	Structure_-(400)	JUNCTION	0.06	0.31	8.21	1	04:00
0.31	Structure_-(401)	JUNCTION	0.05	0.31	10.01	1	04:00
0.31	Structure_-(404)	JUNCTION	0.04	0.23	11.27	1	04:00
0.23	Structure_-(405)	JUNCTION	0.03	0.15	11.99	1	04:00
0.15	Structure_-(407)	JUNCTION	0.02	0.09	8.89	1	04:00
0.09	Structure_-(408)	JUNCTION	0.16	0.84	10.31	1	04:00
0.84	Structure_-(41)	JUNCTION	0.43	2.42	8.46	1	04:14
2.41	Structure_-(42)	JUNCTION	0.43	2.45	8.45	1	04:14
2.45	Structure_-(426)	JUNCTION	0.25	0.88	7.24	1	04:23
0.88	Structure_-(427)	JUNCTION	1.45	2.03	7.25	1	04:23
2.02	Structure_-(43)	JUNCTION	0.63	2.97	8.43	1	04:14
2.97	Structure_-(431)	JUNCTION	0.43	1.31	-4.06	1	10:17
1.31	Structure_-(432)	JUNCTION	0.42	1.25	-3.78	1	10:17
1.25	Structure_-(433)	JUNCTION	0.41	1.23	-3.48	1	10:17
1.23	Structure_-(434)	JUNCTION	0.34	1.00	-2.55	1	10:17
1.00	Structure_-(435)	JUNCTION	0.37	1.07	-2.47	1	10:17
1.07	Structure_-(44)	JUNCTION	0.71	3.21	8.43	1	04:13
3.19	Structure_-(446)	JUNCTION	6.41	17.49	27.46	1	07:13
17.49	Structure_-(447)	JUNCTION	6.44	16.30	25.90	1	07:19
16.30	Structure_-(448)	JUNCTION	6.44	15.18	24.47	1	07:25
15.18	Structure_-(449)	JUNCTION	7.00	10.68	17.98	1	08:03
10.68	Structure_-(45)	JUNCTION	0.73	3.23	8.41	1	04:13
3.22	Structure_-(450)	JUNCTION	6.98	8.52	15.22	1	08:31
8.52	Structure_-(451)	JUNCTION	7.06	9.25	15.75	0	00:00
8.20							

Structure_-(453)	JUNCTION	1.67	5.02	8.97	1	04:01
5.02						
Structure_-(454)	JUNCTION	1.67	5.05	9.00	1	04:00
5.01						
Structure_-(455)	JUNCTION	1.68	5.01	8.94	1	04:00
4.88						
Structure_-(456)	JUNCTION	1.82	4.83	8.56	1	04:01
4.37						
Structure_-(457)	JUNCTION	1.91	4.77	8.40	1	04:01
4.36						
Structure_-(458)	JUNCTION	2.10	4.35	7.75	1	04:16
4.32						
Structure_-(459)	JUNCTION	11.15	27.25	33.92	1	06:53
27.25						
Structure_-(46)	JUNCTION	0.73	3.31	8.42	1	04:13
3.29						
Structure_-(460)	JUNCTION	11.08	26.82	33.45	1	06:55
26.82						
Structure_-(461)	JUNCTION	11.38	26.12	32.15	1	06:58
26.12						
Structure_-(462)	JUNCTION	11.38	25.60	31.48	1	07:00
25.60						
Structure_-(463)	JUNCTION	12.34	23.78	27.91	1	07:12
23.78						
Structure_-(469)	JUNCTION	1.50	4.25	7.75	1	04:17
4.22						
Structure_-(47)	JUNCTION	0.95	3.72	8.37	1	04:13
3.70						
Structure_-(470)	JUNCTION	0.05	0.62	7.72	1	04:16
0.62						
Structure_-(471)	JUNCTION	0.06	0.44	7.72	1	04:16
0.44						
Structure_-(472)	JUNCTION	0.05	0.31	7.71	1	04:16
0.31						
Structure_-(473)	JUNCTION	0.03	0.22	7.71	1	04:15
0.22						
Structure_-(475)	JUNCTION	2.75	4.33	7.41	1	04:18
4.30						
Structure_-(476)	JUNCTION	2.86	4.44	7.41	1	04:20
4.40						
Structure_-(477)	JUNCTION	3.18	4.74	7.39	1	04:21
4.71						
Structure_-(478)	JUNCTION	3.51	5.08	7.40	1	04:19
5.05						
Structure_-(481)	JUNCTION	1.64	5.01	9.01	1	04:03
5.01						
Structure_-(482)	JUNCTION	1.61	5.03	9.08	1	04:04
5.02						
Structure_-(483)	JUNCTION	1.58	5.07	9.17	1	04:04
5.02						
Structure_-(484)	JUNCTION	1.50	5.00	9.22	1	04:03
4.97						
Structure_-(485)	JUNCTION	1.49	5.05	9.30	1	04:04

5.02							
Structure_-(487)	JUNCTION	3.05	4.63	7.41	1	04:18	
4.62							
Structure_-(489)	JUNCTION	3.08	4.44	7.18	1	05:35	
4.44							
Structure_-(490)	JUNCTION	0.81	1.20	12.43	1	04:00	
1.20							
Structure_-(495)	JUNCTION	0.09	0.56	10.60	1	04:00	
0.56							
Structure_-(5)	JUNCTION	0.24	2.26	8.63	1	04:11	
2.23							
Structure_-(50)	JUNCTION	1.19	4.50	8.70	1	04:01	
4.09							
Structure_-(502)	JUNCTION	0.02	0.09	8.55	1	04:00	
0.09							
Structure_-(503)	JUNCTION	0.96	3.79	8.50	1	04:13	
3.77							
Structure_-(51)	JUNCTION	1.38	5.01	8.95	1	04:00	
4.97							
Structure_-(52)	JUNCTION	1.57	6.27	9.99	1	04:01	
6.23							
Structure_-(53)	JUNCTION	1.57	6.80	10.51	1	04:00	
5.15							
Structure_-(54)	JUNCTION	1.33	3.94	7.88	1	04:16	
3.94							
Structure_-(56)	JUNCTION	0.20	0.71	9.79	1	04:02	
0.71							
Structure_-(57)	JUNCTION	0.14	0.79	10.08	1	04:01	
0.79							
Structure_-(58)	JUNCTION	0.13	0.78	10.17	1	04:01	
0.78							
Structure_-(59)	JUNCTION	0.12	0.69	10.39	1	04:01	
0.69							
Structure_-(6)	JUNCTION	0.46	2.90	8.60	1	04:11	
2.87							
Structure_-(60)	JUNCTION	0.11	0.65	10.47	1	04:01	
0.65							
Structure_-(61)	JUNCTION	0.10	0.59	10.51	1	04:01	
0.59							
Structure_-(62)	JUNCTION	0.09	0.52	10.54	1	04:00	
0.52							
Structure_-(63)	JUNCTION	0.07	0.36	10.63	1	04:00	
0.36							
Structure_-(7)	JUNCTION	0.60	3.22	8.57	1	04:12	
3.19							
Structure_-(70)	JUNCTION	0.19	0.93	9.82	1	04:02	
0.93							
Structure_-(71)	JUNCTION	0.08	0.45	10.45	1	04:02	
0.44							
Structure_-(72)	JUNCTION	0.13	0.68	10.74	1	04:02	
0.68							
Structure_-(73)	JUNCTION	0.12	0.70	11.03	1	04:02	
0.70							

Structure_-(74)	JUNCTION	0.11	0.65	11.22	1	04:01
0.65						
Structure_-(75)	JUNCTION	0.10	0.57	11.38	1	04:01
0.57						
Structure_-(76)	JUNCTION	0.09	0.49	11.54	1	04:01
0.49						
Structure_-(77)	JUNCTION	0.07	0.39	11.68	1	04:00
0.39						
Structure_-(78)	JUNCTION	0.05	0.30	11.83	1	04:00
0.30						
Structure_-(79)	JUNCTION	0.14	0.92	9.64	1	04:04
0.92						
Structure_-(8)	JUNCTION	0.72	3.46	8.56	1	04:13
3.41						
Structure_-(80)	JUNCTION	0.12	0.74	9.75	1	04:02
0.74						
Structure_-(81)	JUNCTION	0.11	0.63	9.88	1	04:02
0.63						
Structure_-(82)	JUNCTION	0.10	0.54	10.03	1	04:01
0.54						
Structure_-(83)	JUNCTION	0.08	0.46	10.19	1	04:01
0.46						
Structure_-(84)	JUNCTION	0.07	0.36	10.33	1	04:00
0.36						
Structure_-(85)	JUNCTION	0.05	0.24	10.45	1	04:00
0.24						
Structure_-(86)	JUNCTION	1.01	1.60	8.91	1	04:01
1.60						
Structure_-(87)	JUNCTION	0.93	1.54	8.92	1	04:00
1.54						
Structure_-(88)	JUNCTION	0.77	1.38	8.94	1	04:00
1.38						
Structure_-(89)	JUNCTION	0.69	1.31	8.96	1	04:00
1.31						
Structure_-(9)	JUNCTION	0.89	3.73	8.55	1	04:13
3.71						
Structure_-(90)	JUNCTION	0.57	1.32	9.11	1	04:00
1.32						
Structure_-(92)	JUNCTION	0.10	0.54	9.45	1	04:01
0.54						
Structure_-(93)	JUNCTION	0.14	0.77	10.03	1	04:01
0.77						
Structure_-(94)	JUNCTION	0.13	0.76	10.19	1	04:01
0.76						
Structure_-(95)	JUNCTION	0.15	0.79	10.24	1	04:01
0.79						
Structure_-(96)	JUNCTION	0.13	0.78	10.38	1	04:00
0.78						
Structure_-(97)	JUNCTION	0.11	0.62	10.57	1	04:00
0.62						
Structure_-(98)	JUNCTION	0.09	0.53	10.66	1	04:00
0.53						
Structure_-(99)	JUNCTION	0.07	0.40	10.72	1	04:00

0.40	Structure520	JUNCTION	1.85	4.64	9.01	1	04:07
3.56	Structure521	JUNCTION	1.05	2.69	4.42	1	04:03
2.69	Structure522	JUNCTION	0.72	2.34	4.42	1	04:04
2.34	Structure587	JUNCTION	3.46	4.88	7.25	1	04:21
4.85	Structure593	JUNCTION	3.48	4.93	7.28	1	04:25
4.90	Structure602	JUNCTION	0.98	3.83	8.51	1	04:13
3.79	5_Dummy_Outlet	OUTFALL	0.00	0.00	0.00	0	00:00
0.00	C_Dummy_Outlet	OUTFALL	0.00	0.00	0.00	0	00:00
0.00	D_Dummy_Outlet	OUTFALL	0.00	0.00	0.00	0	00:00
0.00	E_Dummy_Outlet	OUTFALL	0.00	0.00	0.00	0	00:00
0.00	F_Dummy_Outlet	OUTFALL	0.00	0.00	0.00	0	00:00
0.00	G_Dummy_Outlet	OUTFALL	0.00	0.00	0.00	0	00:00
0.00	H_Dummy_Outlet	OUTFALL	0.00	0.00	0.00	0	00:00
0.00	Outfall_002A	OUTFALL	0.28	0.79	-14.08	1	10:17
0.79	Outfall003	OUTFALL	0.40	1.66	-1.34	1	04:17
1.66	Facility77_Inlet	STORAGE	11.07	15.77	7.72	1	04:16
15.77	PSC_Sump	STORAGE	5.49	14.02	14.52	1	08:38
14.02	RetenionPond	STORAGE	7.06	8.18	14.68	1	08:38
8.18							

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Node Inflow Summary  
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Total Inflow Volume Node	Flow Balance Error	Type	Maximum Lateral Inflow CFS	Maximum Total Inflow CFS	Time of Max Occurrence days hr:min	Lateral Inflow Volume 10^6 gal
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10^6 gal      Percent

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CB19		JUNCTION	2.05	2.05	1	04:00	0.123
0.123	0.013						
CB22		JUNCTION	0.20	13.82	1	04:00	0.0123
0.838	0.011						
CB30		JUNCTION	0.20	2.26	1	04:00	0.0123
0.136	0.164						
CB31		JUNCTION	2.05	2.05	1	04:00	0.123
0.123	0.019						
CB33		JUNCTION	2.05	2.05	1	04:00	0.123
0.123	0.010						
Culvert_Ditch11		JUNCTION	0.00	5.27	1	04:31	0
0.541	1.573						
Culvert_Ditch12		JUNCTION	0.00	7.31	1	14:38	0
0.661	1.953						
Culvert_Ditch12a		JUNCTION	0.00	21.06	1	14:38	0
0.68	2.376						
Culvert_Ditch12b		JUNCTION	0.00	36.61	1	13:03	0
0.751	26.342						
Culvert_Ditch12c		JUNCTION	0.00	17.97	1	14:33	0
0.596	6.620						
Ditch1_2		JUNCTION	0.00	19.10	1	04:12	0
1.19	42.894						
Ditch10_Inlet		JUNCTION	3.90	40.10	1	04:25	0.252
0.378	6.395						
Ditch11_12		JUNCTION	1.95	5.89	1	04:17	0.126
0.659	2.178						
Ditch12_18		JUNCTION	0.36	5.11	1	13:17	0.0257
0.488	6.554						
Ditch14_15		JUNCTION	1.23	5.20	1	04:01	0.0741
0.343	5.758						
Ditch15_16		JUNCTION	1.23	5.85	1	04:12	0.0741
0.399	0.229						
Ditch16_17		JUNCTION	1.23	6.83	1	04:14	0.0741
0.472	0.029						
Ditch17_5_6		JUNCTION	0.41	29.98	1	04:09	0.0247
1.91	0.756						
Ditch2_3		JUNCTION	5.18	57.83	0	00:03	0.374
2.85	22.906						
Ditch3_Out		JUNCTION	0.00	154.71	0	00:01	0
3.31	5.578						
Ditch4_Berm		JUNCTION	0.00	16.21	1	04:03	0
1.56	1.088						
Ditch4_In		JUNCTION	19.17	19.17	1	04:00	1.58
1.58	1.019						
Ditch4_Out		JUNCTION	0.00	294.51	0	00:00	0
4.44	6.994						
Ditch5_Inlet		JUNCTION	0.41	24.91	1	04:04	0.0247
1.42	0.184						
Ditch6_7		JUNCTION	0.41	29.28	1	04:15	0.0247

1.92	0.395						
Ditch7_8		JUNCTION	8.20	35.69	1	04:16	0.494
2.41	0.018						
Ditch9_10_11		JUNCTION	3.21	41.43	1	04:17	0.204
0.972	45.609						
Ditch9_Inlet		JUNCTION	6.43	6.43	1	04:00	0.409
0.409	-0.765						
Facility77_PS		JUNCTION	0.00	22.28	1	12:07	0
4.29	0.062						
PS004		JUNCTION	0.00	3.96	1	14:43	0
0.42	6.181						
PSC_Outlet		JUNCTION	0.00	13.37	1	04:11	0
4.01	-0.032						
SDCB294		JUNCTION	2.05	2.05	1	04:00	0.123
0.123	0.055						
SDCB541		JUNCTION	0.20	2.45	1	04:00	0.0123
0.148	0.047						
SDCB543		JUNCTION	0.20	2.25	1	04:00	0.0123
0.136	0.057						
SDCB6003		JUNCTION	0.20	19.32	1	04:00	0.0123
1.17	0.027						
SDCB6005		JUNCTION	0.82	0.82	1	04:00	0.0494
0.0494	0.571						
SDMH297		JUNCTION	0.41	23.35	1	04:01	0.0247
1.4	0.038						
SDMH299		JUNCTION	0.41	4.06	1	04:06	0.0247
0.222	0.071						
SDMH301		JUNCTION	0.20	23.29	1	04:05	0.0123
1.39	0.032						
SDMH538		JUNCTION	2.05	2.05	1	04:00	0.123
0.123	0.086						
SDMH539		JUNCTION	0.20	18.30	1	04:00	0.0123
1.11	0.016						
SDMH540		JUNCTION	0.20	2.25	1	04:00	0.0123
0.136	0.047						
Structure_--(1)		JUNCTION	0.65	0.65	1	04:00	0.0391
0.0391	0.009						
Structure_--(10)		JUNCTION	0.26	4.57	1	04:04	0.0157
0.454	1.866						
Structure_--(100)		JUNCTION	0.26	0.52	1	04:00	0.0157
0.0313	0.014						
Structure_--(101)		JUNCTION	0.26	0.26	1	04:00	0.0157
0.0157	0.015						
Structure_--(102)		JUNCTION	0.39	0.39	1	04:00	0.0235
0.0235	0.011						
Structure_--(123)		JUNCTION	0.26	3.65	1	04:01	0.0157
0.219	0.024						
Structure_--(124)		JUNCTION	0.26	2.43	1	04:01	0.0157
0.149	0.025						
Structure_--(125)		JUNCTION	0.26	2.18	1	04:01	0.0157
0.133	0.028						
Structure_--(126)		JUNCTION	0.26	0.90	1	04:00	0.0157
0.0548	0.039						

Structure_-(128)	JUNCTION	0.26	0.64	1	04:00	0.0157
0.0391		0.037				
Structure_-(129)	JUNCTION	0.39	0.39	1	04:00	0.0235
0.0235		0.016				
Structure_-(130)	JUNCTION	0.26	0.90	1	04:00	0.0157
0.0548		0.031				
Structure_-(131)	JUNCTION	0.26	0.65	1	04:00	0.0157
0.0391		0.007				
Structure_-(132)	JUNCTION	0.39	0.39	1	04:00	0.0235
0.0235		0.009				
Structure_-(133)	JUNCTION	0.26	1.03	1	04:00	0.0157
0.0625		0.027				
Structure_-(134)	JUNCTION	0.39	0.39	1	04:00	0.0235
0.0235		0.111				
Structure_-(136)	JUNCTION	0.39	0.39	1	04:00	0.0235
0.0235		0.361				
Structure_-(139)	JUNCTION	0.26	1.79	1	04:01	0.0157
0.112		0.373				
Structure_-(140)	JUNCTION	0.26	1.54	1	04:01	0.0157
0.079		0.318				
Structure_-(141)	JUNCTION	0.26	1.28	1	04:01	0.0157
0.0634		0.500				
Structure_-(142)	JUNCTION	0.26	1.03	1	04:01	0.0157
0.0481		0.419				
Structure_-(143)	JUNCTION	0.26	1.71	1	03:51	0.0157
0.0395		-0.509				
Structure_-(144)	JUNCTION	0.26	1.26	1	03:50	0.0157
0.0233		0.047				
Structure_-(161)	JUNCTION	0.26	0.26	1	04:00	0.0157
0.0173		0.272				
Structure_-(162)	JUNCTION	0.26	0.66	1	12:10	0.0157
0.0388		3.174				
Structure_-(163)	JUNCTION	0.26	0.86	1	12:08	0.0157
0.0625		3.363				
Structure_-(164)	JUNCTION	0.26	1.05	1	04:06	0.0157
0.0889		3.310				
Structure_-(165)	JUNCTION	0.26	1.29	1	04:06	0.0157
0.117		2.307				
Structure_-(166)	JUNCTION	0.26	1.53	1	04:06	0.0157
0.147		2.185				
Structure_-(167)	JUNCTION	0.26	1.79	1	04:05	0.0157
0.178		1.895				
Structure_-(168)	JUNCTION	0.26	2.04	1	04:00	0.0157
0.209		1.777				
Structure_-(169)	JUNCTION	0.26	2.30	1	04:00	0.0157
0.239		1.489				
Structure_-(170)	JUNCTION	0.26	7.91	1	20:26	0.0157
0.27		0.592				
Structure_-(171)	JUNCTION	0.00	17.69	1	20:27	0
1.92		1.075				
Structure_-(172)	JUNCTION	0.00	166.70	1	08:27	0
2.27		0.455				
Structure_-(173)	JUNCTION	0.00	6.48	1	04:00	0

0.7	0.817						
Structure_-(174)		JUNCTION	0.00	5.92	1	14:05	0
0.453	0.633						
Structure_-(175)		JUNCTION	0.00	1.56	1	04:00	0
0.162	1.023						
Structure_-(176)		JUNCTION	0.26	1.56	1	04:00	0.0157
0.155	1.852						
Structure_-(177)		JUNCTION	0.26	1.30	1	04:00	0.0157
0.126	2.766						
Structure_-(178)		JUNCTION	0.26	1.05	1	04:00	0.0157
0.096	3.250						
Structure_-(179)		JUNCTION	0.26	0.79	1	04:00	0.0157
0.0675	3.345						
Structure_-(180)		JUNCTION	0.26	0.53	1	04:00	0.0157
0.0416	6.600						
Structure_-(181)		JUNCTION	0.26	0.26	1	04:00	0.0157
0.018	1.927						
Structure_-(19)		JUNCTION	0.00	0.19	1	19:29	0
0.00561	27.895						
Structure_-(2)		JUNCTION	0.65	1.24	1	04:00	0.0391
0.0783	0.019						
Structure_-(20)		JUNCTION	0.00	0.55	1	03:14	0
0.0322	7.481						
Structure_-(205)		JUNCTION	0.26	5.39	1	14:05	0.0157
0.291	0.382						
Structure_-(206)		JUNCTION	0.26	2.31	1	04:01	0.0157
0.241	1.453						
Structure_-(207)		JUNCTION	0.26	2.04	1	04:01	0.0157
0.209	1.805						
Structure_-(208)		JUNCTION	0.26	1.78	1	04:01	0.0157
0.177	1.903						
Structure_-(209)		JUNCTION	0.26	1.53	1	04:01	0.0157
0.146	2.201						
Structure_-(21)		JUNCTION	0.26	0.26	1	04:00	0.0157
0.0181	2.507						
Structure_-(210)		JUNCTION	0.26	1.35	1	19:25	0.0157
0.116	2.332						
Structure_-(211)		JUNCTION	0.26	1.30	1	19:25	0.0157
0.0878	3.360						
Structure_-(212)		JUNCTION	0.26	1.34	1	19:25	0.0157
0.0615	3.451						
Structure_-(213)		JUNCTION	0.26	0.55	1	04:06	0.0157
0.0382	3.149						
Structure_-(214)		JUNCTION	0.26	0.26	1	04:00	0.0157
0.0173	0.381						
Structure_-(215)		JUNCTION	0.26	2.76	1	12:08	0.0157
0.269	0.406						
Structure_-(216)		JUNCTION	0.26	2.39	1	12:09	0.0157
0.25	1.361						
Structure_-(217)		JUNCTION	0.26	2.12	1	04:08	0.0157
0.219	1.853						
Structure_-(218)		JUNCTION	0.26	1.85	1	04:06	0.0157
0.185	2.111						

Structure_-(219)	JUNCTION	0.26	1.61	1	04:06	0.0157
0.154 2.115						
Structure_-(220)	JUNCTION	0.26	1.56	1	12:09	0.0157
0.124 2.154						
Structure_-(221)	JUNCTION	0.26	1.54	1	12:09	0.0157
0.0957 3.418						
Structure_-(222)	JUNCTION	0.26	1.24	1	12:09	0.0157
0.0657 3.805						
Structure_-(223)	JUNCTION	0.26	0.65	1	04:06	0.0157
0.0396 3.586						
Structure_-(23)	JUNCTION	0.00	1.36	0	19:20	0
0.356 0.007						
Structure_-(230)	JUNCTION	0.00	15.51	1	20:30	0
0.887 0.803						
Structure_-(231)	JUNCTION	0.00	13.86	1	13:49	0
0.544 0.900						
Structure_-(232)	JUNCTION	0.00	2.05	1	04:00	0
0.25 1.314						
Structure_-(233)	JUNCTION	0.26	2.05	1	04:00	0.0157
0.234 1.904						
Structure_-(234)	JUNCTION	0.26	1.79	1	04:00	0.0157
0.201 1.762						
Structure_-(235)	JUNCTION	0.26	1.53	1	04:00	0.0157
0.169 2.017						
Structure_-(236)	JUNCTION	0.26	1.28	1	04:00	0.0157
0.138 2.272						
Structure_-(237)	JUNCTION	0.26	1.02	1	04:06	0.0157
0.108 2.521						
Structure_-(238)	JUNCTION	0.26	0.89	1	12:09	0.0157
0.0799 3.768						
Structure_-(239)	JUNCTION	0.00	0.89	1	19:25	0
0.0517 4.057						
Structure_-(24)	JUNCTION	0.00	0.52	1	06:24	0
0.343 0.014						
Structure_-(240)	JUNCTION	0.26	0.54	1	04:06	0.0157
0.041 2.735						
Structure_-(241)	JUNCTION	0.26	0.26	1	04:00	0.0157
0.0179 0.293						
Structure_-(242)	JUNCTION	0.82	4.48	1	04:00	0.0494
0.293 0.375						
Structure_-(243)	JUNCTION	1.23	3.67	1	04:00	0.0741
0.276 0.410						
Structure_-(244)	JUNCTION	1.23	2.45	1	04:00	0.0741
0.179 0.116						
Structure_-(245)	JUNCTION	1.23	1.23	1	04:00	0.0741
0.0741 0.027						
Structure_-(246)	JUNCTION	0.26	9.56	1	13:49	0.0157
0.276 0.465						
Structure_-(247)	JUNCTION	0.26	2.30	1	04:01	0.0157
0.243 1.444						
Structure_-(248)	JUNCTION	0.26	2.04	1	04:01	0.0157
0.212 1.719						
Structure_-(249)	JUNCTION	0.26	1.78	1	04:01	0.0157

0.18	1.899						
Structure_-(25)		JUNCTION	0.00	0.52	1	05:51	0
0.339	0.042						
Structure_-(250)		JUNCTION	0.26	1.53	1	04:01	0.0157
0.149	2.152						
Structure_-(251)		JUNCTION	0.26	1.27	1	04:01	0.0157
0.119	2.282						
Structure_-(252)		JUNCTION	0.26	1.10	1	12:08	0.0157
0.0907	3.243						
Structure_-(253)		JUNCTION	0.26	1.16	1	12:08	0.0157
0.0644	3.280						
Structure_-(254)		JUNCTION	0.26	0.55	1	04:06	0.0157
0.0402	3.010						
Structure_-(255)		JUNCTION	0.26	0.26	1	04:00	0.0157
0.0179	0.335						
Structure_-(256)		JUNCTION	0.26	9.92	1	20:30	0.0157
0.331	0.443						
Structure_-(257)		JUNCTION	0.26	3.32	1	04:01	0.0157
0.302	1.174						
Structure_-(258)		JUNCTION	0.26	3.11	1	04:00	0.0157
0.27	1.371						
Structure_-(259)		JUNCTION	0.26	2.85	1	04:00	0.0157
0.239	1.648						
Structure_-(26)		JUNCTION	0.00	0.49	1	05:53	0
0.331	0.136						
Structure_-(260)		JUNCTION	0.26	2.59	1	04:01	0.0157
0.209	1.573						
Structure_-(261)		JUNCTION	0.26	2.34	1	04:01	0.0157
0.182	1.474						
Structure_-(262)		JUNCTION	0.26	2.08	1	04:01	0.0157
0.155	2.084						
Structure_-(263)		JUNCTION	0.26	1.83	1	04:01	0.0157
0.128	1.934						
Structure_-(264)		JUNCTION	0.26	1.57	1	04:01	0.0157
0.105	1.336						
Structure_-(265)		JUNCTION	0.26	1.35	1	04:01	0.0157
0.0867	0.429						
Structure_-(266)		JUNCTION	0.26	1.12	1	04:00	0.0157
0.0704	0.018						
Structure_-(267)		JUNCTION	0.00	0.90	1	04:00	0
0.0548	0.055						
Structure_-(268)		JUNCTION	0.39	0.65	1	04:00	0.0235
0.0391	0.006						
Structure_-(269)		JUNCTION	0.26	0.26	1	04:00	0.0157
0.0157	0.022						
Structure_-(27)		JUNCTION	0.00	0.46	1	10:16	0
0.321	0.117						
Structure_-(270)		JUNCTION	0.26	0.26	1	04:00	0.0157
0.0157	0.003						
Structure_-(273)		JUNCTION	0.39	0.39	1	04:00	0.0235
0.0235	0.101						
Structure_-(274)		JUNCTION	0.26	0.64	1	04:00	0.0157
0.0391	0.014						

Structure_-(275) 0.0548 0.035	JUNCTION	0.26	0.90	1	04:00	0.0157
Structure_-(276) 0.0939 0.046	JUNCTION	0.26	1.54	1	04:01	0.0157
Structure_-(277) 0.224 0.046	JUNCTION	0.26	3.71	1	04:00	0.0157
Structure_-(278) 0.24 -0.020	JUNCTION	0.26	3.96	1	04:01	0.0157
Structure_-(28) 0.314 0.023	JUNCTION	0.00	0.45	2	00:00	0
Structure_-(287) 0.0778 1.638	JUNCTION	0.26	1.29	1	04:00	0.0157
Structure_-(288) 0.0236 1.228	JUNCTION	0.39	0.39	1	04:00	0.0235
Structure_-(29) 0.309 0.042	JUNCTION	0.00	0.45	2	00:00	0
Structure_-(298) 0.0235 0.218	JUNCTION	0.39	0.39	1	04:00	0.0235
Structure_-(3) 0.117 0.028	JUNCTION	0.65	1.87	1	04:04	0.0391
Structure_-(30) 0.303 0.129	JUNCTION	0.00	0.45	2	00:00	0
Structure_-(305) 0.0389 1.927	JUNCTION	0.26	0.65	1	04:00	0.0157
Structure_-(306) 0.0236 1.465	JUNCTION	0.39	0.39	1	04:00	0.0235
Structure_-(31) 0.296 0.146	JUNCTION	0.00	0.45	2	00:00	0
Structure_-(319) 0.395 0.035	JUNCTION	0.20	6.47	1	04:00	0.0123
Structure_-(32) 0.291 0.076	JUNCTION	0.00	0.45	2	00:00	0
Structure_-(320) 0.53 0.016	JUNCTION	0.20	8.72	1	04:00	0.0123
Structure_-(325) 0.136 0.122	JUNCTION	0.20	2.25	1	03:59	0.0123
Structure_-(326) 0.123 0.009	JUNCTION	2.05	2.05	1	04:00	0.123
Structure_-(33) 0.287 0.124	JUNCTION	0.00	0.44	2	00:00	0
Structure_-(331) 0.123 0.065	JUNCTION	2.05	2.05	1	04:00	0.123
Structure_-(332) 0.123 0.078	JUNCTION	2.05	2.05	1	04:00	0.123
Structure_-(333) 0.148 0.162	JUNCTION	0.20	2.46	1	04:00	0.0123
Structure_-(34) 0.283 0.268	JUNCTION	0.00	0.44	2	00:00	0
Structure_-(341) 0.123 0.162	JUNCTION	2.05	2.05	1	04:00	0.123
Structure_-(35) 0.278 0.202	JUNCTION	0.00	0.44	2	00:00	0
Structure_-(37)	JUNCTION	0.26	7.14	1	04:02	0.0157

0.7	0.051						
Structure_-(370)		JUNCTION	0.00	4.04	1	04:04	0
0.0176	0.065						
Structure_-(371)		JUNCTION	0.00	4.20	1	04:04	0
0.0166	0.155						
Structure_-(372)		JUNCTION	0.26	0.26	1	04:00	0.0157
0.0157	0.020						
Structure_-(373)		JUNCTION	0.00	4.92	1	04:03	0
0.0177	-0.031						
Structure_-(374)		JUNCTION	0.26	0.26	1	04:00	0.0157
0.0157	0.014						
Structure_-(375)		JUNCTION	0.26	0.52	1	04:00	0.0157
0.0313	0.009						
Structure_-(376)		JUNCTION	0.26	0.78	1	04:00	0.0157
0.047	0.008						
Structure_-(377)		JUNCTION	0.26	1.03	1	04:00	0.0157
0.0626	0.009						
Structure_-(378)		JUNCTION	0.26	1.29	1	04:00	0.0157
0.0783	0.006						
Structure_-(379)		JUNCTION	0.00	31.78	1	04:10	0
3.45	0.251						
Structure_-(38)		JUNCTION	0.26	9.97	1	04:03	0.0157
0.871	0.038						
Structure_-(380)		JUNCTION	0.00	30.40	1	04:10	0
3.39	0.203						
Structure_-(381)		JUNCTION	0.00	30.50	1	04:12	0
3.37	0.083						
Structure_-(389)		JUNCTION	0.00	0.00	0	00:00	0
0	0.000 gal						
Structure_-(39)		JUNCTION	0.65	10.72	1	04:02	0.0391
0.91	0.019						
Structure_-(390)		JUNCTION	0.00	0.00	0	00:00	0
0	0.000 gal						
Structure_-(391)		JUNCTION	0.26	0.52	1	04:00	0.0157
0.0313	0.009						
Structure_-(392)		JUNCTION	0.00	0.51	1	04:00	0
0.0321	-0.006						
Structure_-(393)		JUNCTION	0.00	2.32	1	04:00	0
0.143	0.581						
Structure_-(394)		JUNCTION	0.00	2.57	1	04:00	0
0.162	1.055						
Structure_-(395)		JUNCTION	4.44	39.70	1	04:08	0.239
3.86	0.098						
Structure_-(396)		JUNCTION	0.26	0.26	1	04:00	0.0157
0.0157	0.016						
Structure_-(397)		JUNCTION	0.26	0.26	1	04:00	0.0157
0.0157	0.006						
Structure_-(398)		JUNCTION	0.26	0.52	1	04:00	0.0157
0.0315	0.012						
Structure_-(399)		JUNCTION	0.26	0.26	1	04:00	0.0157
0.0157	0.011						
Structure_-(4)		JUNCTION	0.65	2.50	1	04:04	0.0391
0.157	0.028						



Structure_-(40) 0.949 0.010	JUNCTION	0.65	12.25	1	04:03	0.0391
Structure_-(400) 0.0626 0.032	JUNCTION	0.26	1.03	1	04:00	0.0157
Structure_-(401) 0.047 0.012	JUNCTION	0.26	0.77	1	04:00	0.0157
Structure_-(404) 0.0313 0.011	JUNCTION	0.26	0.52	1	04:00	0.0157
Structure_-(405) 0.0157 0.011	JUNCTION	0.26	0.26	1	04:00	0.0157
Structure_-(407) 0.0157 0.007	JUNCTION	0.26	0.26	1	04:00	0.0157
Structure_-(408) 0.172 0.010	JUNCTION	0.00	2.82	1	04:01	0
Structure_-(41) 0.988 0.069	JUNCTION	0.65	12.09	1	04:02	0.0391
Structure_-(42) 1.53 0.100	JUNCTION	0.26	21.47	1	04:03	0.0157
Structure_-(426) 0.0319 0.296	JUNCTION	0.26	0.52	1	04:00	0.0157
Structure_-(427) 0.0157 1.147	JUNCTION	0.26	0.26	1	04:00	0.0157
Structure_-(43) 1.56 0.224	JUNCTION	0.65	22.49	1	04:03	0.0391
Structure_-(431) 4.01 0.001	JUNCTION	0.00	13.36	1	10:17	0
Structure_-(432) 4.01 -0.003	JUNCTION	0.00	13.36	1	10:17	0
Structure_-(433) 4.01 0.012	JUNCTION	0.00	13.36	1	10:17	0
Structure_-(434) 4.01 -0.013	JUNCTION	0.00	13.36	1	10:17	0
Structure_-(435) 4.01 0.050	JUNCTION	0.00	13.36	1	10:17	0
Structure_-(44) 1.6 0.121	JUNCTION	0.65	23.23	1	04:03	0.0391
Structure_-(446) 4.36 0.013	JUNCTION	0.00	18.47	1	05:51	0
Structure_-(447) 4.37 0.021	JUNCTION	0.00	18.46	1	05:54	0
Structure_-(448) 4.38 0.070	JUNCTION	0.00	18.44	1	05:57	0
Structure_-(449) 4.39 0.077	JUNCTION	0.00	22.69	0	00:00	0
Structure_-(45) 1.61 0.052	JUNCTION	0.26	23.71	1	04:02	0.0157
Structure_-(450) 4.4 0.024	JUNCTION	0.00	47.92	0	00:00	0
Structure_-(451) 4.4 0.005	JUNCTION	0.00	303.74	0	00:00	0
Structure_-(453) 0.0336 42.537	JUNCTION	0.00	6.83	1	04:00	0
Structure_-(454)	JUNCTION	0.00	6.71	1	04:00	0

0.0337	0.058						
Structure_--(455)		JUNCTION	0.00	6.61	1	04:00	0
0.0352	3.788						
Structure_--(456)		JUNCTION	0.00	6.61	1	04:00	0
0.0365	3.741						
Structure_--(457)		JUNCTION	0.00	6.60	1	04:00	0
0.0381	5.083						
Structure_--(458)		JUNCTION	0.00	7.77	1	04:01	0
0.0392	18.089						
Structure_--(459)		JUNCTION	0.00	19.35	1	03:54	0
4.31	0.063						
Structure_--(46)		JUNCTION	0.26	24.30	1	04:02	0.0157
1.63	0.208						
Structure_--(460)		JUNCTION	0.00	18.68	1	04:30	0
4.32	0.021						
Structure_--(461)		JUNCTION	0.00	18.56	1	04:50	0
4.33	0.025						
Structure_--(462)		JUNCTION	0.00	18.53	1	05:33	0
4.34	0.072						
Structure_--(463)		JUNCTION	0.00	18.50	1	05:44	0
4.36	0.067						
Structure_--(469)		JUNCTION	0.26	31.25	1	13:20	0.0157
0.185	3.325						
Structure_--(47)		JUNCTION	0.65	32.34	1	04:02	0.0391
2.36	0.463						
Structure_--(470)		JUNCTION	0.26	1.04	1	04:08	0.0157
0.0626	0.016						
Structure_--(471)		JUNCTION	0.26	0.78	1	04:00	0.0157
0.047	0.007						
Structure_--(472)		JUNCTION	0.26	0.52	1	04:00	0.0157
0.0313	0.008						
Structure_--(473)		JUNCTION	0.26	0.26	1	04:00	0.0157
0.0157	0.011						
Structure_--(475)		JUNCTION	0.26	0.46	0	00:14	0.0157
0.0161	0.533						
Structure_--(476)		JUNCTION	0.26	0.63	0	00:08	0.0157
0.0325	1.642						
Structure_--(477)		JUNCTION	0.26	1.04	0	00:08	0.0157
0.0644	0.875						
Structure_--(478)		JUNCTION	0.00	32.70	1	04:10	0
3.46	0.171						
Structure_--(481)		JUNCTION	0.00	5.22	1	04:03	0
0.0256	58.668						
Structure_--(482)		JUNCTION	0.00	4.57	1	04:03	0
0.0185	7.736						
Structure_--(483)		JUNCTION	0.00	4.88	1	04:03	0
0.0183	6.910						
Structure_--(484)		JUNCTION	0.00	4.47	1	04:03	0
0.0176	-0.825						
Structure_--(485)		JUNCTION	0.00	4.74	1	04:03	0
0.0178	2.198						
Structure_--(487)		JUNCTION	0.26	0.26	1	04:00	0.0157
0.0157	0.294						

Structure_-(489)	JUNCTION	0.26	39.93	1	04:08	0.0157
3.75 5.051						
Structure_-(490)	JUNCTION	0.65	0.65	1	04:00	0.0391
0.0392 0.849						
Structure_-(495)	JUNCTION	0.00	1.54	1	04:00	0
0.0939 0.007						
Structure_-(5)	JUNCTION	0.65	3.06	1	04:05	0.0391
0.197 0.330						
Structure_-(50)	JUNCTION	0.65	32.30	1	04:03	0.0391
2.34 0.299						
Structure_-(502)	JUNCTION	0.26	0.26	1	04:00	0.0157
0.0157 0.006						
Structure_-(503)	JUNCTION	0.26	4.87	1	04:04	0.0157
0.505 0.689						
Structure_-(51)	JUNCTION	0.65	32.93	1	04:03	0.0391
2.4 0.376						
Structure_-(52)	JUNCTION	0.26	36.70	1	04:03	0.0157
2.65 0.565						
Structure_-(53)	JUNCTION	0.00	38.16	1	04:03	0
2.8 0.614						
Structure_-(54)	JUNCTION	0.00	38.37	1	04:02	0
2.84 0.547						
Structure_-(56)	JUNCTION	0.26	3.46	1	04:01	0.0157
0.473 0.054						
Structure_-(57)	JUNCTION	0.39	2.94	1	04:01	0.0235
0.18 0.014						
Structure_-(58)	JUNCTION	0.39	2.56	1	04:01	0.0235
0.157 0.020						
Structure_-(59)	JUNCTION	0.39	2.18	1	04:00	0.0235
0.133 0.020						
Structure_-(6)	JUNCTION	0.26	3.34	1	04:04	0.0157
0.221 1.257						
Structure_-(60)	JUNCTION	0.39	1.80	1	04:00	0.0235
0.11 0.011						
Structure_-(61)	JUNCTION	0.39	1.41	1	04:00	0.0235
0.0861 0.011						
Structure_-(62)	JUNCTION	0.39	1.03	1	04:00	0.0235
0.0626 0.021						
Structure_-(63)	JUNCTION	0.65	0.65	1	04:00	0.0391
0.0391 0.016						
Structure_-(7)	JUNCTION	0.26	3.58	1	04:04	0.0157
0.249 1.052						
Structure_-(70)	JUNCTION	0.39	3.53	1	04:02	0.0235
0.211 0.019						
Structure_-(71)	JUNCTION	0.39	3.52	1	04:02	0.0235
0.188 0.003						
Structure_-(72)	JUNCTION	0.39	2.68	1	04:02	0.0235
0.164 0.018						
Structure_-(73)	JUNCTION	0.39	2.30	1	04:01	0.0235
0.141 0.024						
Structure_-(74)	JUNCTION	0.39	1.92	1	04:01	0.0235
0.117 0.023						
Structure_-(75)	JUNCTION	0.39	1.54	1	04:01	0.0235

0.0939	0.025						
Structure_-(76)		JUNCTION	0.39	1.16	1	04:00	0.0235
0.0704	0.027						
Structure_-(77)		JUNCTION	0.39	0.77	1	04:00	0.0235
0.047	0.029						
Structure_-(78)		JUNCTION	0.39	0.39	1	04:00	0.0235
0.0235	0.018						
Structure_-(79)		JUNCTION	0.39	2.54	1	04:02	0.0235
0.156	0.024						
Structure_-(8)		JUNCTION	0.26	4.08	1	04:04	0.0157
0.332	1.671						
Structure_-(80)		JUNCTION	0.39	2.16	1	04:01	0.0235
0.133	0.025						
Structure_-(81)		JUNCTION	0.39	1.79	1	04:01	0.0235
0.11	0.024						
Structure_-(82)		JUNCTION	0.39	1.41	1	04:00	0.0235
0.0861	0.026						
Structure_-(83)		JUNCTION	0.39	1.03	1	04:00	0.0235
0.0626	0.028						
Structure_-(84)		JUNCTION	0.39	0.64	1	04:00	0.0235
0.0391	0.030						
Structure_-(85)		JUNCTION	0.26	0.26	1	04:00	0.0157
0.0157	0.021						
Structure_-(86)		JUNCTION	0.65	8.59	1	04:00	0.0391
0.523	0.029						
Structure_-(87)		JUNCTION	0.65	7.95	1	04:00	0.0391
0.484	0.082						
Structure_-(88)		JUNCTION	0.65	7.31	1	04:00	0.0391
0.445	0.077						
Structure_-(89)		JUNCTION	0.65	6.67	1	04:01	0.0391
0.407	0.112						
Structure_-(9)		JUNCTION	0.26	4.33	1	04:04	0.0157
0.382	1.549						
Structure_-(90)		JUNCTION	0.65	6.02	1	04:00	0.0391
0.368	0.108						
Structure_-(92)		JUNCTION	0.65	5.38	1	04:00	0.0391
0.329	0.004						
Structure_-(93)		JUNCTION	0.65	4.74	1	04:01	0.0391
0.29	0.007						
Structure_-(94)		JUNCTION	0.65	4.10	1	04:01	0.0391
0.25	0.004						
Structure_-(95)		JUNCTION	0.65	3.46	1	04:01	0.0391
0.211	0.005						
Structure_-(96)		JUNCTION	0.65	2.82	1	04:00	0.0391
0.172	0.013						
Structure_-(97)		JUNCTION	0.65	2.18	1	04:00	0.0391
0.133	0.012						
Structure_-(98)		JUNCTION	0.65	1.54	1	04:00	0.0391
0.0939	0.008						
Structure_-(99)		JUNCTION	0.00	0.90	1	04:00	0
0.0548	0.025						
Structure520		JUNCTION	0.26	0.35	1	12:13	0.0157
0.0179	2.478						

Structure521	JUNCTION	0.41	2.46	1	04:00	0.0247
0.15	4.487					
Structure522	JUNCTION	0.41	3.41	1	04:06	0.0247
0.186	3.407					
Structure587	JUNCTION	0.26	33.53	1	04:11	0.0157
3.59	2.004					
Structure593	JUNCTION	0.26	33.30	1	04:11	0.0157
3.54	2.088					
Structure602	JUNCTION	0.00	8.86	1	04:05	0
0.753	0.745					
5_Dummy_Outlet	OUTFALL	0.00	0.00	0	00:00	0
0	0.000 gal					
C_Dummy_Outlet	OUTFALL	0.00	0.00	0	00:00	0
0	0.000 gal					
D_Dummy_Outlet	OUTFALL	0.00	0.00	0	00:00	0
0	0.000 gal					
E_Dummy_Outlet	OUTFALL	0.00	0.00	0	00:00	0
0	0.000 gal					
F_Dummy_Outlet	OUTFALL	0.00	0.00	0	00:00	0
0	0.000 gal					
G_Dummy_Outlet	OUTFALL	0.00	0.00	0	00:00	0
0	0.000 gal					
H_Dummy_Outlet	OUTFALL	0.00	0.00	0	00:00	0
0	0.000 gal					
Outfall_002A	OUTFALL	0.00	13.36	1	10:17	0
4.01	0.000					
Outfall003	OUTFALL	0.00	35.68	1	04:17	0
2.41	0.000					
Facility77_Inlet	STORAGE	0.00	131.15	1	08:27	0
6.72	0.099					
PSC_Sump	STORAGE	0.00	16.79	1	04:27	0
4.18	0.001					
RetenionPond	STORAGE	0.00	82.49	0	00:00	0
6.26	0.000					

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Node Surcharge Summary

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Surcharging occurs when water rises above the top of the highest conduit.

Node	Type	Hours Surcharged	Max. Height Above Crown Feet	Min. Depth Below Rim Feet
CB19	JUNCTION	0.01	0.012	4.008
CB31	JUNCTION	0.05	0.032	3.968
Culvert_Ditch11	JUNCTION	19.41	2.440	0.660
Culvert_Ditch12b	JUNCTION	18.04	2.110	0.000
Culvert_Ditch12c	JUNCTION	19.37	2.519	0.000
Ditch1_2	JUNCTION	19.50	0.682	0.000
Ditch10_Inlet	JUNCTION	0.12	2.408	0.000

Ditch11_12	JUNCTION	19.92	2.790	0.310
DIitch12_18	JUNCTION	19.29	2.320	0.000
Ditch9_10_11	JUNCTION	8.37	2.405	0.000
Facility77_PS	JUNCTION	47.77	44.068	0.000
PS004	JUNCTION	19.74	3.461	0.000
PSC_Outlet	JUNCTION	12.63	48.161	0.000
SDCB294	JUNCTION	2.10	1.122	3.878
SDMH540	JUNCTION	0.29	0.105	3.795
Structure_-_ (10)	JUNCTION	0.77	0.768	5.672
Structure_-_ (139)	JUNCTION	18.83	5.384	1.016
Structure_-_ (140)	JUNCTION	18.26	4.423	1.627
Structure_-_ (141)	JUNCTION	17.77	3.804	0.896
Structure_-_ (142)	JUNCTION	10.19	2.181	1.819
Structure_-_ (143)	JUNCTION	0.84	1.085	3.975
Structure_-_ (144)	JUNCTION	0.39	0.325	4.085
Structure_-_ (161)	JUNCTION	0.44	2.433	1.167
Structure_-_ (162)	JUNCTION	3.08	2.091	1.259
Structure_-_ (163)	JUNCTION	10.26	2.286	0.914
Structure_-_ (164)	JUNCTION	13.32	2.510	0.590
Structure_-_ (165)	JUNCTION	15.74	2.711	0.389
Structure_-_ (166)	JUNCTION	18.04	2.886	0.214
Structure_-_ (167)	JUNCTION	20.15	2.949	0.001
Structure_-_ (168)	JUNCTION	22.98	3.600	0.000
Structure_-_ (169)	JUNCTION	24.25	3.961	0.000
Structure_-_ (170)	JUNCTION	22.05	3.387	4.103
Structure_-_ (171)	JUNCTION	30.09	4.414	4.356
Structure_-_ (172)	JUNCTION	37.40	6.720	0.000
Structure_-_ (173)	JUNCTION	19.08	2.745	2.855
Structure_-_ (174)	JUNCTION	30.38	4.481	2.839
Structure_-_ (175)	JUNCTION	34.35	4.976	8.304
Structure_-_ (176)	JUNCTION	23.68	3.900	7.430
Structure_-_ (177)	JUNCTION	19.69	2.939	6.401
Structure_-_ (178)	JUNCTION	13.26	2.436	0.964
Structure_-_ (179)	JUNCTION	9.51	1.656	1.994
Structure_-_ (180)	JUNCTION	4.83	1.115	6.175
Structure_-_ (181)	JUNCTION	0.85	0.724	7.176
Structure_-_ (19)	JUNCTION	5.74	1.710	5.570
Structure_-_ (20)	JUNCTION	1.27	1.306	2.194
Structure_-_ (205)	JUNCTION	24.72	4.173	1.317
Structure_-_ (206)	JUNCTION	25.47	4.194	0.000
Structure_-_ (207)	JUNCTION	22.27	3.433	0.000
Structure_-_ (208)	JUNCTION	20.16	2.952	0.000
Structure_-_ (209)	JUNCTION	18.04	3.100	0.000
Structure_-_ (21)	JUNCTION	0.85	0.906	2.594
Structure_-_ (210)	JUNCTION	16.10	2.702	0.398
Structure_-_ (211)	JUNCTION	13.33	2.417	0.683
Structure_-_ (212)	JUNCTION	10.25	2.453	0.747
Structure_-_ (213)	JUNCTION	3.11	1.817	1.533
Structure_-_ (214)	JUNCTION	0.47	2.291	1.309
Structure_-_ (215)	JUNCTION	31.29	4.547	2.230
Structure_-_ (216)	JUNCTION	32.85	4.645	0.000
Structure_-_ (217)	JUNCTION	22.96	3.601	0.000
Structure_-_ (218)	JUNCTION	21.46	3.217	0.000

Structure_-(219)	JUNCTION	16.97	2.471	0.529
Structure_-(220)	JUNCTION	14.20	2.249	0.851
Structure_-(221)	JUNCTION	10.75	1.885	1.215
Structure_-(222)	JUNCTION	3.01	1.432	1.618
Structure_-(223)	JUNCTION	1.50	1.408	1.942
Structure_-(23)	JUNCTION	28.66	17.679	0.000
Structure_-(230)	JUNCTION	24.40	4.063	3.157
Structure_-(231)	JUNCTION	26.27	4.260	2.570
Structure_-(232)	JUNCTION	23.96	3.946	2.587
Structure_-(233)	JUNCTION	23.45	3.800	0.550
Structure_-(234)	JUNCTION	22.28	3.471	0.509
Structure_-(235)	JUNCTION	20.15	3.049	0.811
Structure_-(236)	JUNCTION	18.03	2.727	0.623
Structure_-(237)	JUNCTION	15.76	2.424	0.676
Structure_-(238)	JUNCTION	13.29	2.127	0.973
Structure_-(239)	JUNCTION	10.25	1.739	1.461
Structure_-(24)	JUNCTION	28.55	8.765	0.000
Structure_-(240)	JUNCTION	2.14	1.294	2.056
Structure_-(241)	JUNCTION	0.45	1.312	2.288
Structure_-(243)	JUNCTION	1.21	0.295	4.925
Structure_-(246)	JUNCTION	22.86	3.630	2.520
Structure_-(247)	JUNCTION	25.49	4.176	0.000
Structure_-(248)	JUNCTION	22.27	3.415	0.000
Structure_-(249)	JUNCTION	20.15	2.950	0.000
Structure_-(25)	JUNCTION	28.53	8.582	0.000
Structure_-(250)	JUNCTION	18.03	2.759	0.341
Structure_-(251)	JUNCTION	15.75	2.536	0.564
Structure_-(252)	JUNCTION	13.32	2.292	0.808
Structure_-(253)	JUNCTION	10.37	2.069	1.131
Structure_-(254)	JUNCTION	3.15	1.662	1.688
Structure_-(255)	JUNCTION	0.46	1.934	1.666
Structure_-(256)	JUNCTION	23.21	3.720	2.760
Structure_-(257)	JUNCTION	32.85	4.651	0.000
Structure_-(258)	JUNCTION	22.96	3.622	0.000
Structure_-(259)	JUNCTION	21.45	3.245	0.000
Structure_-(26)	JUNCTION	28.44	7.974	0.000
Structure_-(260)	JUNCTION	16.98	2.450	0.550
Structure_-(261)	JUNCTION	14.22	2.087	1.013
Structure_-(262)	JUNCTION	10.78	1.583	1.517
Structure_-(263)	JUNCTION	3.15	1.021	2.029
Structure_-(264)	JUNCTION	1.84	0.827	2.523
Structure_-(265)	JUNCTION	0.46	0.469	3.031
Structure_-(266)	JUNCTION	0.36	0.266	4.724
Structure_-(267)	JUNCTION	0.36	0.240	3.750
Structure_-(269)	JUNCTION	0.22	0.087	4.403
Structure_-(27)	JUNCTION	28.25	6.455	0.000
Structure_-(28)	JUNCTION	28.19	6.265	0.000
Structure_-(29)	JUNCTION	28.13	6.146	0.000
Structure_-(3)	JUNCTION	0.25	0.204	3.366
Structure_-(30)	JUNCTION	28.00	5.684	0.000
Structure_-(31)	JUNCTION	27.64	4.445	0.000
Structure_-(319)	JUNCTION	0.28	0.252	3.248
Structure_-(32)	JUNCTION	27.33	3.821	0.000

Structure_-(320)	JUNCTION	0.20	0.109	3.391
Structure_-(325)	JUNCTION	0.67	0.618	2.232
Structure_-(326)	JUNCTION	0.08	0.094	3.906
Structure_-(33)	JUNCTION	27.13	3.514	0.000
Structure_-(331)	JUNCTION	0.98	3.818	0.000
Structure_-(332)	JUNCTION	0.77	2.988	0.542
Structure_-(34)	JUNCTION	26.34	2.292	0.000
Structure_-(35)	JUNCTION	18.38	0.299	0.000
Structure_-(379)	JUNCTION	20.24	1.759	5.391
Structure_-(380)	JUNCTION	20.10	1.061	4.139
Structure_-(394)	JUNCTION	17.02	0.515	7.850
Structure_-(395)	JUNCTION	20.29	1.843	5.777
Structure_-(446)	JUNCTION	47.72	15.826	0.000
Structure_-(447)	JUNCTION	47.79	14.796	0.000
Structure_-(448)	JUNCTION	47.96	13.682	0.000
Structure_-(449)	JUNCTION	47.99	9.182	0.000
Structure_-(450)	JUNCTION	48.00	7.020	0.000
Structure_-(451)	JUNCTION	48.00	7.745	0.000
Structure_-(453)	JUNCTION	19.98	3.517	0.000
Structure_-(454)	JUNCTION	19.99	3.553	0.000
Structure_-(455)	JUNCTION	19.99	3.512	0.000
Structure_-(456)	JUNCTION	20.00	3.160	0.174
Structure_-(457)	JUNCTION	20.02	3.103	0.231
Structure_-(458)	JUNCTION	20.04	2.682	0.651
Structure_-(459)	JUNCTION	47.86	25.579	0.000
Structure_-(460)	JUNCTION	47.86	25.157	0.000
Structure_-(461)	JUNCTION	47.89	24.454	0.000
Structure_-(462)	JUNCTION	47.90	23.935	0.000
Structure_-(463)	JUNCTION	47.94	22.113	0.000
Structure_-(469)	JUNCTION	16.47	2.251	0.749
Structure_-(47)	JUNCTION	0.46	0.384	4.733
Structure_-(475)	JUNCTION	47.75	3.075	7.255
Structure_-(476)	JUNCTION	47.76	3.191	7.299
Structure_-(477)	JUNCTION	47.81	3.491	6.999
Structure_-(478)	JUNCTION	20.50	2.076	5.774
Structure_-(481)	JUNCTION	19.94	3.514	0.000
Structure_-(482)	JUNCTION	19.94	3.526	0.000
Structure_-(483)	JUNCTION	19.93	3.570	0.000
Structure_-(484)	JUNCTION	19.92	3.505	0.000
Structure_-(485)	JUNCTION	19.92	3.547	0.000
Structure_-(487)	JUNCTION	47.86	4.135	6.985
Structure_-(5)	JUNCTION	0.31	0.262	5.388
Structure_-(50)	JUNCTION	0.85	1.169	3.697
Structure_-(503)	JUNCTION	0.79	0.788	5.592
Structure_-(51)	JUNCTION	1.12	1.681	3.265
Structure_-(52)	JUNCTION	2.14	2.938	0.829
Structure_-(53)	JUNCTION	0.86	3.216	1.651
Structure_-(54)	JUNCTION	0.80	0.610	4.257
Structure_-(6)	JUNCTION	0.84	0.904	2.116
Structure_-(7)	JUNCTION	0.70	0.721	2.559
Structure_-(8)	JUNCTION	0.91	0.960	4.570
Structure_-(9)	JUNCTION	1.20	1.225	5.205
Structure520	JUNCTION	0.44	1.494	0.356



Structure587	JUNCTION	20.36	1.876	0.124
Structure593	JUNCTION	20.39	1.935	0.065
Structure602	JUNCTION	0.81	0.831	1.169

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Node Flooding Summary

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Flooding refers to all water that overflows a node, whether it ponds or not.

Node	Hours Flooded	Maximum Rate CFS	Time of Max Occurrence days hr:min	Total Flood Volume 10 <sup>6</sup> gal	Maximum Ponded Depth Feet
Culvert_Ditch12b	0.12	30.84	1 10:08	0.024	0.010
Culvert_Ditch12c	18.25	17.90	1 14:33	0.100	0.519
Ditch1_2	19.50	15.68	1 04:29	0.379	0.682
Ditch10_Inlet	0.01	22.09	1 04:17	0.001	0.008
DIitch12_18	18.25	2.73	1 14:44	0.033	0.520
Ditch9_10_11	0.07	35.90	1 04:25	0.013	0.005
Facility77_PS	47.77	22.28	1 12:07	0.187	44.068
PS004	19.22	3.49	1 14:43	0.052	2.021
PSC_Outlet	12.63	7.36	1 04:11	0.412	48.161
Structure_-(168)	1.12	0.69	1 04:04	0.001	0.600
Structure_-(169)	9.62	1.43	1 19:27	0.008	1.161
Structure_-(172)	36.60	32.29	1 13:28	0.125	5.720
Structure_-(206)	9.65	1.31	1 12:08	0.007	1.194
Structure_-(207)	1.18	0.50	1 04:06	0.001	0.633
Structure_-(208)	0.04	0.59	1 19:25	0.000	0.002
Structure_-(209)	0.01	0.27	1 19:25	0.000	0.000
Structure_-(216)	12.11	2.39	1 12:09	0.012	1.645
Structure_-(217)	3.17	0.62	1 04:05	0.002	0.851
Structure_-(218)	0.57	0.67	1 04:07	0.001	0.367
Structure_-(23)	28.66	1.34	0 19:20	0.020	17.679
Structure_-(24)	18.12	0.02	1 06:14	0.003	4.265
Structure_-(247)	9.64	1.05	1 19:25	0.007	1.176
Structure_-(248)	1.16	0.57	1 04:05	0.001	0.615
Structure_-(249)	0.01	0.32	1 19:25	0.000	0.000
Structure_-(25)	28.53	0.07	0 19:33	0.010	8.582
Structure_-(257)	12.12	2.59	1 19:26	0.013	1.651
Structure_-(258)	3.19	0.70	1 04:05	0.002	0.872
Structure_-(259)	0.59	0.62	1 04:05	0.001	0.395
Structure_-(26)	28.44	0.07	0 19:44	0.012	7.974
Structure_-(27)	28.25	0.03	0 20:31	0.008	6.455
Structure_-(28)	28.18	0.02	0 20:45	0.006	6.265
Structure_-(29)	28.13	0.02	0 20:46	0.006	6.146
Structure_-(30)	27.99	0.02	0 20:55	0.007	5.684
Structure_-(31)	27.64	0.02	0 21:43	0.006	4.445
Structure_-(32)	27.33	0.01	1 07:07	0.004	3.821
Structure_-(33)	27.13	0.01	1 07:05	0.004	3.514
Structure_-(331)	0.18	0.09	1 04:00	0.000	0.138

Structure_-(34)	26.34	0.02	1	07:05	0.004	2.292
Structure_-(35)	18.37	0.03	1	03:35	0.001	0.299
Structure_-(446)	47.72	0.83	1	12:10	0.039	15.826
Structure_-(447)	47.79	1.26	0	00:03	0.040	14.796
Structure_-(448)	47.96	4.97	0	00:02	0.060	13.682
Structure_-(449)	47.99	22.69	0	00:00	0.034	9.182
Structure_-(450)	48.00	44.56	0	00:00	0.012	7.020
Structure_-(451)	48.00	289.37	0	00:00	0.011	7.745
Structure_-(453)	0.01	3.05	1	04:00	0.000	0.017
Structure_-(454)	0.01	1.42	1	04:00	0.000	0.053
Structure_-(455)	0.01	0.93	1	04:00	0.000	0.012
Structure_-(459)	47.86	3.03	1	12:07	0.101	25.579
Structure_-(460)	47.86	1.83	1	12:08	0.063	25.157
Structure_-(461)	47.89	1.89	1	12:08	0.063	24.454
Structure_-(462)	47.90	2.84	1	12:08	0.097	23.935
Structure_-(463)	47.94	8.66	0	00:03	0.080	22.113
Structure_-(481)	0.01	4.06	1	04:03	0.000	0.014
Structure_-(482)	0.01	2.93	1	04:03	0.000	0.026
Structure_-(483)	0.01	1.30	1	04:04	0.000	0.070
Structure_-(484)	0.01	0.59	1	04:03	0.000	0.005
Structure_-(485)	0.01	3.56	1	04:03	0.000	0.047

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Storage Volume Summary  
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Time of Max Occurrence	Maximum Outflow Storage Unit	Average Volume	Avg Pcnt Full	Evap Loss	Exfil Loss	Maximum Volume	Max Pcnt Full
days hr:min	CFS	1000 ft3	Full	Loss	Loss	1000 ft3	Full

Facility77_Inlet		5.419	53	0	0	7.788	76
1 04:16	180.34						
PSC_Sump		1.774	27	0	0	5.128	77
1 08:38	16.66						
RetenionPond		266.885	65	0	0	329.236	81
1 08:38	303.74						

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Outfall Loading Summary  
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Flow Avg Max Total

Outfall Node	Freq Pcnt	Flow CFS	Flow CFS	Volume 10 <sup>6</sup> gal
5_Dummy_Outlet	0.00	0.00	0.00	0.000
C_Dummy_Outlet	0.00	0.00	0.00	0.000
D_Dummy_Outlet	0.00	0.00	0.00	0.000
E_Dummy_Outlet	0.00	0.00	0.00	0.000
F_Dummy_Outlet	0.00	0.00	0.00	0.000
G_Dummy_Outlet	0.00	0.00	0.00	0.000
H_Dummy_Outlet	0.00	0.00	0.00	0.000
Outfall_002A	48.63	8.59	13.36	4.012
Outfall003	89.84	2.69	35.68	2.405
System	15.39	11.28	42.55	6.417

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Link Flow Summary  
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Max/ Full Link Depth	Type	Maximum  Flow  CFS	Time of Max Occurrence days hr:min	Maximum  Veloc  ft/sec	Max/ Full Flow
172_to_Inlet 1.00	CONDUIT	163.88	1 08:27	18.94	0.05
278_to_PS_B 0.67	CONDUIT	4.33	1 04:05	1.81	0.05
381_to_PS77 0.39	CONDUIT	30.50	1 04:12	3.70	0.13
458_to_Inlet 0.76	CONDUIT	7.77	1 04:01	5.88	0.03
469_to_Inlet 1.00	CONDUIT	31.11	1 13:20	15.16	0.06
Culvert11 1.00	CONDUIT	5.27	1 04:31	6.72	54.67
Culvert12 1.00	CONDUIT	5.69	1 04:19	10.72	51.04
Culvert12a 1.00	CONDUIT	13.93	1 14:33	3.94	21.20
Culvert12c 1.00	CONDUIT	5.89	1 13:03	3.52	2.82
Ditch_77 1.00	CONDUIT	33.31	1 04:11	1.02	1.51
Ditch10 1.00	CONDUIT	37.28	1 04:25	1.34	0.38
Ditch11	CONDUIT	4.46	1 04:26	0.15	0.03

1.00	Ditch12	CONDUIT	24.59	1	13:03	1.41	0.10
1.00	Ditch12a	CONDUIT	9.16	1	14:41	0.77	0.03
0.84	Ditch13	CONDUIT	3.03	1	04:06	0.08	0.27
0.88	Ditch14	CONDUIT	3.99	1	04:01	0.21	0.04
0.63	Ditch15	CONDUIT	4.80	1	04:15	1.53	0.24
0.54	Ditch16	CONDUIT	5.81	1	04:17	1.53	0.05
0.31	Ditch17	CONDUIT	6.83	1	04:17	0.78	0.02
0.31	Ditch18	CONDUIT	4.43	1	13:03	1.34	0.02
1.00	Ditch2	CONDUIT	57.83	0	00:03	0.32	1.25
1.00	Ditch3	CONDUIT	77.32	0	00:03	2.21	0.05
0.57	Ditch3_4	CONDUIT	294.51	0	00:00	4.28	0.14
1.00	Ditch4	CONDUIT	16.21	1	04:03	0.12	0.00
0.27	Ditch4_489	CONDUIT	36.98	0	00:06	1.75	0.42
0.38	Ditch5	CONDUIT	23.01	1	04:09	1.33	0.05
0.26	Ditch6	CONDUIT	28.93	1	04:15	1.90	0.52
0.21	Ditch7	CONDUIT	29.02	1	04:18	2.59	0.04
0.16	Ditch8	CONDUIT	35.68	1	04:17	4.21	0.04
0.27	Ditch9	CONDUIT	6.22	1	04:03	0.44	0.02
0.56	Facility73_to_Pond	CONDUIT	303.74	0	00:00	>50.00	87.74
1.00	Pipe_-(1)	CONDUIT	0.62	1	04:04	1.33	0.12
0.85	Pipe_-(10)	CONDUIT	4.63	1	19:30	0.98	0.87
1.00	Pipe_-(10)_-(1)	CONDUIT	5.00	1	19:30	1.07	0.37
1.00	Pipe_-(117)	CONDUIT	3.67	1	04:01	2.27	0.16
0.69	Pipe_-(118)	CONDUIT	2.50	1	04:01	4.14	0.25
0.35	Pipe_-(119)	CONDUIT	2.17	1	04:01	3.82	0.13
0.29	Pipe_-(120)	CONDUIT	0.89	1	04:01	2.33	0.27
0.35							

0.30	Pipe_-(122)	CONDUIT	0.64	1	04:01	2.07	0.13
0.27	Pipe_-(123)	CONDUIT	0.39	1	04:00	2.32	0.11
0.41	Pipe_-(124)	CONDUIT	0.90	1	04:00	2.97	0.37
0.34	Pipe_-(125)	CONDUIT	0.65	1	04:00	2.74	0.15
0.22	Pipe_-(126)	CONDUIT	0.39	1	04:00	2.97	0.08
0.33	Pipe_-(127)	CONDUIT	1.03	1	04:00	2.93	0.21
0.31	Pipe_-(128)	CONDUIT	0.39	1	04:00	1.88	0.11
0.28	Pipe_-(130)	CONDUIT	0.39	1	04:00	2.12	0.07
1.00	Pipe_-(133)	CONDUIT	1.80	1	04:01	2.29	0.36
1.00	Pipe_-(134)	CONDUIT	1.54	1	04:01	1.96	0.88
1.00	Pipe_-(135)	CONDUIT	1.28	1	04:01	1.64	0.73
1.00	Pipe_-(136)	CONDUIT	1.03	1	04:01	1.52	0.14
1.00	Pipe_-(137)	CONDUIT	0.78	1	04:01	2.37	0.12
1.00	Pipe_-(138)	CONDUIT	1.48	1	03:51	2.72	0.22
1.00	Pipe_-(153)	CONDUIT	0.45	1	12:08	0.88	0.13
1.00	Pipe_-(154)	CONDUIT	0.84	1	12:08	0.69	0.13
1.00	Pipe_-(155)	CONDUIT	0.83	1	12:08	0.57	0.10
1.00	Pipe_-(156)	CONDUIT	1.05	1	04:06	0.61	0.11
1.00	Pipe_-(157)	CONDUIT	1.29	1	04:06	0.67	0.12
1.00	Pipe_-(158)	CONDUIT	1.54	1	04:05	0.64	0.15
1.00	Pipe_-(159)	CONDUIT	1.79	1	04:05	1.08	0.12
1.00	Pipe_-(160)	CONDUIT	2.04	1	04:00	0.88	0.19
1.00	Pipe_-(161)	CONDUIT	3.47	1	08:06	1.29	0.32
1.00	Pipe_-(162)	CONDUIT	10.49	1	08:06	5.27	0.15
1.00	Pipe_-(163)	CONDUIT	17.06	1	04:00	1.77	0.12
1.00	Pipe_-(164)	CONDUIT	6.47	1	04:00	3.03	0.06
1.00	Pipe_-(165)	CONDUIT	4.06	1	04:00	1.29	0.21

1.00	Pipe_-(166)	CONDUIT	1.56	1	04:00	0.88	0.27
1.00	Pipe_-(167)	CONDUIT	1.56	1	04:00	1.00	0.15
1.00	Pipe_-(168)	CONDUIT	1.30	1	04:00	1.45	0.18
1.00	Pipe_-(169)	CONDUIT	1.05	1	04:00	0.76	0.14
1.00	Pipe_-(170)	CONDUIT	0.79	1	04:00	0.78	0.17
1.00	Pipe_-(171)	CONDUIT	0.74	1	12:08	0.82	0.33
1.00	Pipe_-(172)	CONDUIT	0.36	1	03:32	0.56	0.12
1.00	Pipe_-(18)	CONDUIT	0.27	1	19:30	0.25	0.03
1.00	Pipe_-(19)	CONDUIT	1.13	1	19:28	0.72	0.22
1.00	Pipe_-(196)	CONDUIT	5.46	1	14:05	3.44	0.12
1.00	Pipe_-(197)	CONDUIT	2.26	1	19:25	0.79	0.21
1.00	Pipe_-(198)	CONDUIT	2.05	1	04:01	0.80	0.13
1.00	Pipe_-(199)	CONDUIT	1.78	1	04:01	0.74	0.12
1.00	Pipe_-(2)	CONDUIT	1.25	1	04:04	1.91	0.24
0.95	Pipe_-(20)	CONDUIT	0.43	1	19:29	0.80	0.09
1.00	Pipe_-(200)	CONDUIT	1.53	1	04:01	0.64	0.15
1.00	Pipe_-(201)	CONDUIT	1.35	1	19:25	0.71	0.13
1.00	Pipe_-(202)	CONDUIT	1.35	1	19:25	0.60	0.13
1.00	Pipe_-(203)	CONDUIT	1.30	1	19:25	0.73	0.16
1.00	Pipe_-(204)	CONDUIT	1.34	1	19:25	1.10	0.21
1.00	Pipe_-(205)	CONDUIT	0.48	1	12:09	0.94	0.14
1.00	Pipe_-(206)	CONDUIT	2.65	1	19:25	0.84	0.05
1.00	Pipe_-(207)	CONDUIT	2.74	1	12:08	0.87	0.26
1.00	Pipe_-(208)	CONDUIT	1.96	1	04:01	0.62	0.11
1.00	Pipe_-(209)	CONDUIT	1.89	1	04:08	0.77	0.11
1.00	Pipe_-(210)	CONDUIT	1.61	1	04:06	0.76	0.12
1.00							

1.00	Pipe_-(211)	CONDUIT	1.56	1	12:09	0.65	0.13
1.00	Pipe_-(212)	CONDUIT	1.54	1	12:09	0.66	0.13
1.00	Pipe_-(213)	CONDUIT	1.53	1	12:09	0.65	0.14
1.00	Pipe_-(214)	CONDUIT	1.23	1	12:09	0.76	0.15
1.00	Pipe_-(215)	CONDUIT	0.59	1	19:26	0.72	0.12
1.00	Pipe_-(22)	CONDUIT	0.52	1	06:24	10.62	10.05
1.00	Pipe_-(221)	CONDUIT	8.09	1	04:00	2.24	0.08
1.00	Pipe_-(222)	CONDUIT	4.57	1	04:00	1.33	0.08
1.00	Pipe_-(223)	CONDUIT	2.40	1	20:32	1.10	0.10
1.00	Pipe_-(224)	CONDUIT	2.05	1	04:00	1.69	0.11
1.00	Pipe_-(225)	CONDUIT	1.79	1	04:00	0.66	0.09
1.00	Pipe_-(226)	CONDUIT	1.53	1	04:00	0.66	0.10
1.00	Pipe_-(227)	CONDUIT	1.28	1	04:00	0.56	0.13
1.00	Pipe_-(228)	CONDUIT	1.02	1	04:06	0.59	0.09
1.00	Pipe_-(229)	CONDUIT	0.90	1	12:08	0.52	0.09
1.00	Pipe_-(23)	CONDUIT	0.52	1	05:51	2.67	1.78
1.00	Pipe_-(230)	CONDUIT	0.88	1	19:25	0.50	0.11
1.00	Pipe_-(231)	CONDUIT	0.89	1	19:25	0.85	0.13
1.00	Pipe_-(232)	CONDUIT	0.46	1	12:09	0.89	0.14
1.00	Pipe_-(234)	CONDUIT	3.67	1	04:00	2.08	0.47
0.71	Pipe_-(235)	CONDUIT	2.45	1	04:00	1.83	0.21
0.40	Pipe_-(236)	CONDUIT	1.22	1	04:00	2.09	0.20
1.00	Pipe_-(237)	CONDUIT	12.75	1	13:49	5.74	0.15
1.00	Pipe_-(238)	CONDUIT	3.57	1	13:49	1.48	0.31
1.00	Pipe_-(239)	CONDUIT	2.04	1	04:01	1.30	0.13
1.00	Pipe_-(24)	CONDUIT	0.49	1	05:53	2.48	1.66
1.00	Pipe_-(240)	CONDUIT	1.79	1	04:01	0.74	0.12

1.00	Pipe_-(241)	CONDUIT	1.53	1	04:01	0.64	0.15
1.00	Pipe_-(242)	CONDUIT	1.27	1	04:01	0.68	0.12
1.00	Pipe_-(243)	CONDUIT	1.13	1	12:08	0.61	0.11
1.00	Pipe_-(244)	CONDUIT	1.09	1	12:08	0.61	0.14
1.00	Pipe_-(245)	CONDUIT	1.15	1	12:08	0.95	0.18
1.00	Pipe_-(246)	CONDUIT	0.45	1	19:26	0.87	0.13
1.00	Pipe_-(247)	CONDUIT	12.84	1	20:30	5.81	0.12
1.00	Pipe_-(248)	CONDUIT	4.57	1	20:30	1.55	0.43
1.00	Pipe_-(249)	CONDUIT	3.06	1	04:01	1.38	0.17
1.00	Pipe_-(25)	CONDUIT	0.46	1	10:16	2.36	1.59
1.00	Pipe_-(250)	CONDUIT	2.85	1	04:00	0.91	0.16
1.00	Pipe_-(251)	CONDUIT	2.59	1	04:00	1.08	0.19
1.00	Pipe_-(252)	CONDUIT	2.34	1	04:01	0.97	0.19
1.00	Pipe_-(253)	CONDUIT	2.08	1	04:01	1.05	0.18
1.00	Pipe_-(254)	CONDUIT	1.83	1	04:01	1.01	0.16
1.00	Pipe_-(255)	CONDUIT	1.57	1	04:01	0.94	0.19
1.00	Pipe_-(256)	CONDUIT	1.32	1	04:01	1.20	0.25
1.00	Pipe_-(257)	CONDUIT	1.09	1	04:01	1.65	0.40
1.00	Pipe_-(258)	CONDUIT	0.86	1	04:02	2.23	3.50
1.00	Pipe_-(259)	CONDUIT	0.65	1	04:00	1.93	0.24
0.88	Pipe_-(26)	CONDUIT	0.45	2	00:00	2.32	1.54
1.00	Pipe_-(260)	CONDUIT	0.26	1	04:00	2.18	0.49
1.00	Pipe_-(261)	CONDUIT	0.26	1	04:00	0.93	0.10
0.81	Pipe_-(264)	CONDUIT	0.38	1	04:01	1.79	0.14
0.23	Pipe_-(265)	CONDUIT	0.64	1	04:00	1.93	0.13
0.24	Pipe_-(266)	CONDUIT	0.90	1	04:01	2.80	0.13
0.24							



Pipe_-(267)	CONDUIT	1.53	1	04:02	3.13	0.10
0.21						
Pipe_-(268)	CONDUIT	3.71	1	04:01	4.51	0.15
0.29						
Pipe_-(27)	CONDUIT	0.45	2	00:00	2.31	1.57
1.00						
Pipe_-(277)	CONDUIT	1.29	1	04:00	3.42	0.11
0.35						
Pipe_-(278)	CONDUIT	0.39	1	04:00	0.50	0.11
0.96						
Pipe_-(28)	CONDUIT	0.45	2	00:00	2.30	1.54
1.00						
Pipe_-(285)	CONDUIT	0.65	1	04:00	0.83	0.20
0.97						
Pipe_-(288)	CONDUIT	0.39	1	04:00	1.34	0.03
0.18						
Pipe_-(29)	CONDUIT	0.45	2	00:00	2.28	1.55
1.00						
Pipe_-(295)	CONDUIT	0.65	1	04:00	2.39	0.06
0.38						
Pipe_-(296)	CONDUIT	0.39	1	04:00	0.51	0.12
0.93						
Pipe_-(3)	CONDUIT	1.88	1	04:04	2.29	0.37
1.00						
Pipe_-(30)	CONDUIT	0.45	2	00:00	2.27	1.54
1.00						
Pipe_-(307)	CONDUIT	2.06	1	04:00	1.16	0.43
1.00						
Pipe_-(308)	CONDUIT	6.47	1	04:00	3.66	1.39
1.00						
Pipe_-(309)	CONDUIT	8.72	1	04:00	5.26	1.92
0.89						
Pipe_-(31)	CONDUIT	0.44	2	00:00	2.26	1.52
1.00						
Pipe_-(310)	CONDUIT	13.82	1	04:00	7.80	0.78
0.69						
Pipe_-(311)	CONDUIT	18.30	1	04:00	5.61	0.54
0.63						
Pipe_-(312)	CONDUIT	19.36	1	04:01	4.87	0.87
0.76						
Pipe_-(313)	CONDUIT	2.25	1	03:59	1.84	1.54
1.00						
Pipe_-(314)	CONDUIT	2.05	1	03:59	2.73	0.52
1.00						
Pipe_-(319)	CONDUIT	1.98	1	04:03	10.11	1.42
1.00						
Pipe_-(32)	CONDUIT	0.44	2	00:00	2.25	1.52
1.00						
Pipe_-(320)	CONDUIT	2.05	1	04:00	10.44	1.29
1.00						
Pipe_-(321)	CONDUIT	2.46	1	04:00	3.10	0.19
0.62						
Pipe_-(322)	CONDUIT	2.25	1	04:00	2.49	0.45

0.69	Pipe_-(323)	CONDUIT	2.05	1	04:00	2.94	1.51
0.83	Pipe_-(327)	CONDUIT	2.46	1	04:00	1.73	0.45
0.75	Pipe_-(328)	CONDUIT	2.25	1	04:00	3.16	0.39
0.58	Pipe_-(329)	CONDUIT	2.05	1	04:00	4.30	0.45
0.58	Pipe_-(33)	CONDUIT	0.44	2	00:00	2.24	1.51
1.00	Pipe_-(331)	CONDUIT	2.05	1	04:00	6.02	0.36
0.51	Pipe_-(333)	CONDUIT	2.25	1	04:00	2.87	1.62
1.00	Pipe_-(334)	CONDUIT	2.05	1	04:00	4.88	0.25
0.67	Pipe_-(337)	CONDUIT	4.25	1	04:07	0.80	0.20
0.48	Pipe_-(338)	CONDUIT	3.68	1	04:06	1.00	0.16
0.46	Pipe_-(34)	CONDUIT	0.44	2	00:00	2.80	1.50
1.00	Pipe_-(340)	CONDUIT	0.82	1	04:00	0.52	0.02
0.51	Pipe_-(35)	CONDUIT	3.45	1	04:02	1.99	0.07
0.24	Pipe_-(358)	CONDUIT	3.94	1	04:04	7.17	0.41
0.44	Pipe_-(359)	CONDUIT	0.26	1	04:04	2.11	0.04
0.23	Pipe_-(36)	CONDUIT	7.16	1	04:03	3.18	0.15
0.29	Pipe_-(360)	CONDUIT	4.00	1	04:04	5.43	0.60
0.67	Pipe_-(361)	CONDUIT	0.26	1	04:00	2.20	0.20
0.37	Pipe_-(362)	CONDUIT	0.52	1	04:00	2.94	0.35
0.50	Pipe_-(363)	CONDUIT	0.78	1	04:00	3.79	0.61
0.57	Pipe_-(364)	CONDUIT	1.03	1	04:00	5.19	0.31
0.30	Pipe_-(365)	CONDUIT	1.29	1	04:00	2.57	0.11
0.61	Pipe_-(366)	CONDUIT	30.40	1	04:10	3.16	0.34
1.00	Pipe_-(367)	CONDUIT	30.40	1	04:10	3.16	0.57
1.00	Pipe_-(369)	CONDUIT	0.26	1	04:00	3.02	0.04
0.57	Pipe_-(37)	CONDUIT	10.09	1	04:02	4.24	0.21
0.30							

Pipe_-(370)	CONDUIT	31.78	1	04:10	4.50	5.07
1.00						
Pipe_-(374)	CONDUIT	0.00	0	00:00	0.00	0.00
0.00						
Pipe_-(375)	CONDUIT	0.00	0	00:00	0.00	0.00
0.11						
Pipe_-(376)	CONDUIT	0.26	1	04:00	1.77	0.06
0.16						
Pipe_-(377)	CONDUIT	0.51	1	04:01	1.35	0.05
0.60						
Pipe_-(378)	CONDUIT	2.32	1	04:00	1.99	0.14
0.89						
Pipe_-(379)	CONDUIT	2.55	1	04:00	1.44	0.15
1.00						
Pipe_-(38)	CONDUIT	11.63	1	04:03	6.52	0.24
0.24						
Pipe_-(380)	CONDUIT	0.51	1	04:00	4.03	0.10
0.27						
Pipe_-(381)	CONDUIT	0.26	1	04:00	6.32	0.01
0.06						
Pipe_-(382)	CONDUIT	0.52	1	04:00	2.35	0.25
0.86						
Pipe_-(383)	CONDUIT	0.26	1	04:00	3.06	0.13
0.42						
Pipe_-(384)	CONDUIT	1.03	1	04:00	4.97	0.21
0.31						
Pipe_-(385)	CONDUIT	0.77	1	04:00	4.79	0.45
0.47						
Pipe_-(386)	CONDUIT	0.52	1	04:00	4.87	0.25
0.34						
Pipe_-(387)	CONDUIT	0.26	1	04:00	3.13	0.12
0.29						
Pipe_-(389)	CONDUIT	0.26	1	04:00	8.72	0.04
0.56						
Pipe_-(39)	CONDUIT	11.47	1	04:03	3.91	0.08
0.43						
Pipe_-(390)	CONDUIT	2.82	1	04:01	2.91	0.46
0.54						
Pipe_-(4)	CONDUIT	2.45	1	04:05	1.84	0.22
0.98						
Pipe_-(40)	CONDUIT	12.76	1	04:03	2.51	0.37
0.70						
Pipe_-(404)	CONDUIT	0.51	1	04:00	1.04	0.07
0.94						
Pipe_-(405)	CONDUIT	0.26	1	04:09	2.11	0.10
0.55						
Pipe_-(408)	CONDUIT	13.36	1	10:17	6.79	0.22
0.42						
Pipe_-(409)	CONDUIT	13.36	1	10:17	7.10	0.32
0.51						
Pipe_-(41)	CONDUIT	21.87	1	04:03	3.48	0.38
0.77						
Pipe_-(410)	CONDUIT	13.36	1	10:17	5.49	0.31

0.50							
Pipe_-(411)	CONDUIT	13.36	1	10:17	6.32	0.32	
0.45							
Pipe_-(412)	CONDUIT	13.36	1	10:17	6.96	0.38	
0.41							
Pipe_-(42)	CONDUIT	22.60	1	04:03	2.91	0.47	
0.88							
Pipe_-(423)	CONDUIT	18.46	1	05:54	10.45	1.64	
1.00							
Pipe_-(424)	CONDUIT	18.44	1	05:57	10.44	1.66	
1.00							
Pipe_-(425)	CONDUIT	18.42	1	06:01	10.43	1.64	
1.00							
Pipe_-(426)	CONDUIT	22.69	0	00:00	13.00	2.03	
1.00							
Pipe_-(427)	CONDUIT	47.92	0	00:00	27.12	4.35	
1.00							
Pipe_-(429)	CONDUIT	6.83	1	04:00	3.90	2.43	
1.00							
Pipe_-(43)	CONDUIT	23.46	1	04:02	3.25	0.47	
0.92							
Pipe_-(430)	CONDUIT	6.71	1	04:00	3.80	2.24	
1.00							
Pipe_-(431)	CONDUIT	6.61	1	04:00	3.74	1.38	
1.00							
Pipe_-(432)	CONDUIT	6.61	1	04:00	3.03	1.01	
1.00							
Pipe_-(433)	CONDUIT	6.60	1	04:00	3.03	1.38	
1.00							
Pipe_-(434)	CONDUIT	19.35	1	03:54	8.87	1.41	
1.00							
Pipe_-(435)	CONDUIT	18.68	1	04:30	8.56	1.38	
1.00							
Pipe_-(436)	CONDUIT	18.56	1	04:50	8.51	1.23	
1.00							
Pipe_-(437)	CONDUIT	18.53	1	05:33	8.49	1.37	
1.00							
Pipe_-(438)	CONDUIT	18.50	1	05:44	8.48	1.35	
1.00							
Pipe_-(439)	CONDUIT	18.47	1	05:51	24.86	0.06	
1.00							
Pipe_-(44)	CONDUIT	24.05	1	04:02	4.09	0.49	
0.93							
Pipe_-(443)	CONDUIT	1.41	1	04:06	4.38	0.03	
0.65							
Pipe_-(444)	CONDUIT	0.80	1	04:08	3.39	0.05	
0.27							
Pipe_-(445)	CONDUIT	0.52	1	04:00	2.03	0.03	
0.19							
Pipe_-(446)	CONDUIT	0.26	1	04:00	1.46	0.01	
0.13							
Pipe_-(447)	CONDUIT	0.46	0	00:14	1.08	0.08	
1.00							

1.00	Pipe_-(448)	CONDUIT	0.63	0	00:08	1.07	0.11
1.00	Pipe_-(449)	CONDUIT	1.04	1	03:59	1.14	0.17
1.00	Pipe_-(45)	CONDUIT	23.44	1	04:02	1.86	0.40
1.00	Pipe_-(450)	CONDUIT	32.69	1	04:11	4.63	2.16
1.00	Pipe_-(452)	CONDUIT	5.22	1	04:03	3.14	6.39
1.00	Pipe_-(453)	CONDUIT	4.57	1	04:03	2.59	1.42
1.00	Pipe_-(454)	CONDUIT	4.88	1	04:03	2.76	1.66
1.00	Pipe_-(455)	CONDUIT	4.47	1	04:03	2.53	0.49
1.00	Pipe_-(456)	CONDUIT	4.51	1	04:03	2.60	0.86
1.00	Pipe_-(460)	CONDUIT	0.26	1	03:59	1.32	0.51
1.00	Pipe_-(461)	CONDUIT	33.53	1	04:10	7.75	21.68
1.00	Pipe_-(462)	CONDUIT	39.69	1	04:08	5.62	1.15
0.47	Pipe_-(467)	CONDUIT	23.09	1	04:05	4.15	0.56
1.00	Pipe_-(47)	CONDUIT	31.68	1	04:03	2.23	0.42
0.37	Pipe_-(474)	CONDUIT	1.54	1	04:00	2.63	0.25
1.00	Pipe_-(49)	CONDUIT	32.31	1	04:03	2.27	0.61
1.00	Pipe_-(5)	CONDUIT	3.09	1	04:04	1.60	0.28
1.00	Pipe_-(50)	CONDUIT	32.92	1	04:03	2.31	0.74
1.00	Pipe_-(51)	CONDUIT	36.67	1	04:03	2.58	4.58
1.00	Pipe_-(52)	CONDUIT	38.37	1	04:02	2.70	1.91
1.00	Pipe_-(53)	CONDUIT	38.53	1	04:02	2.71	0.72
0.50	Pipe_-(54)	CONDUIT	2.94	1	04:01	3.32	0.58
0.52	Pipe_-(55)	CONDUIT	2.56	1	04:01	2.74	0.51
0.49	Pipe_-(56)	CONDUIT	2.18	1	04:01	2.53	0.43
0.45	Pipe_-(57)	CONDUIT	1.79	1	04:01	2.35	0.35
0.41	Pipe_-(58)	CONDUIT	1.41	1	04:00	2.05	0.27
	Pipe_-(59)	CONDUIT	1.03	1	04:00	1.72	0.20

0.37	Pipe_-(6)	CONDUIT	3.34	1	04:04	1.63	0.30
1.00	Pipe_-(60)	CONDUIT	0.64	1	04:00	1.48	0.13
0.29	Pipe_-(65)	CONDUIT	3.43	1	04:02	2.97	0.67
0.62	Pipe_-(66)	CONDUIT	3.15	1	04:02	3.98	0.19
0.46	Pipe_-(67)	CONDUIT	3.14	1	04:02	5.18	0.62
0.38	Pipe_-(68)	CONDUIT	2.30	1	04:02	2.89	0.45
0.46	Pipe_-(69)	CONDUIT	1.92	1	04:01	2.49	0.38
0.45	Pipe_-(7)	CONDUIT	3.59	1	04:04	1.24	0.21
1.00	Pipe_-(70)	CONDUIT	1.53	1	04:01	2.28	0.30
0.41	Pipe_-(71)	CONDUIT	1.15	1	04:01	2.07	0.23
0.35	Pipe_-(72)	CONDUIT	0.77	1	04:00	1.78	0.15
0.29	Pipe_-(73)	CONDUIT	0.39	1	04:00	1.40	0.12
0.28	Pipe_-(74)	CONDUIT	2.56	1	04:03	2.08	0.51
0.66	Pipe_-(75)	CONDUIT	2.16	1	04:02	2.16	0.42
0.55	Pipe_-(76)	CONDUIT	1.78	1	04:02	2.28	0.35
0.46	Pipe_-(77)	CONDUIT	1.41	1	04:01	2.19	0.28
0.39	Pipe_-(78)	CONDUIT	1.02	1	04:01	1.98	0.20
0.33	Pipe_-(79)	CONDUIT	0.64	1	04:00	1.65	0.13
0.27	Pipe_-(8)	CONDUIT	4.08	1	04:04	0.89	0.24
1.00	Pipe_-(80)	CONDUIT	0.26	1	04:00	1.13	0.08
0.24	Pipe_-(81)	CONDUIT	8.59	1	04:01	4.39	0.20
0.65	Pipe_-(82)	CONDUIT	7.95	1	04:01	3.00	0.54
0.79	Pipe_-(83)	CONDUIT	7.31	1	04:01	2.98	0.48
0.73	Pipe_-(84)	CONDUIT	6.67	1	04:01	2.97	0.48
0.67	Pipe_-(85)	CONDUIT	6.03	1	04:01	3.11	0.96
0.75	Pipe_-(87)	CONDUIT	5.38	1	04:01	4.13	0.21
0.53							

0.37	Pipe_-(88)	CONDUIT	4.74	1	04:01	5.76	0.40
0.44	Pipe_-(89)	CONDUIT	4.10	1	04:01	4.08	0.38
1.00	Pipe_-(9)	CONDUIT	4.33	1	04:04	0.88	0.65
0.44	Pipe_-(90)	CONDUIT	3.46	1	04:01	3.39	0.63
0.54	Pipe_-(91)	CONDUIT	2.82	1	04:01	2.89	0.92
0.47	Pipe_-(92)	CONDUIT	2.18	1	04:01	2.71	0.35
0.39	Pipe_-(93)	CONDUIT	1.54	1	04:01	2.38	0.25
0.31	Pipe_-(94)	CONDUIT	0.90	1	04:01	1.92	0.14
0.23	Pipe_-(95)	CONDUIT	0.52	1	04:00	1.68	0.08
0.18	Pipe_-(96)	CONDUIT	0.26	1	04:00	1.20	0.04
0.22	Pipe_-(97)	CONDUIT	0.39	1	04:00	1.37	0.06
0.90	Pipe_PS_A	CONDUIT	4.70	1	04:03	4.27	0.05
1.00	Pipe_PS_B	CONDUIT	8.83	1	04:05	1.80	2.24
0.71	Pipe468	CONDUIT	24.52	1	04:04	11.23	3.93
1.00	Pipe483	CONDUIT	2.05	1	04:00	2.61	0.53
0.72	PSC_Overflow	CONDUIT	3.29	1	08:39	3.98	0.40
0.82	PSC_to_Outfall	CONDUIT	13.36	1	10:17	6.97	0.52
	004Pump1	PUMP	1.36	0	19:20		0.85
	77Pump1	PUMP	22.28	1	03:30		1.00
	77Pump2	PUMP	0.00	0	00:00		0.00
	CPump1	PUMP	6.68	1	04:07		1.00
	CPump2	PUMP	6.68	1	04:11		1.00
0.03	Ditch4_Connection	WEIR	15.08	1	04:19		
	PondOutlet	DUMMY	16.79	1	04:27		

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Flow Classification Summary  
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Adjusted ----- Fraction of Time in Flow Class  
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Norm Inlet Conduit Ctrl	/Actual Length	Up Dry	Down Dry	Sub Crit	Sup Crit	Up Crit	Down Crit	Ltd
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172_to_Inlet 0.00 0.00	1.00	0.01	0.14	0.00	0.85	0.00	0.00	0.00
278_to_PS_B 0.98 0.00	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00
381_to_PS77 0.00 0.00	1.00	0.42	0.00	0.00	0.23	0.00	0.02	0.33
458_to_Inlet 0.01 0.00	1.00	0.07	0.39	0.00	0.11	0.00	0.44	0.00
469_to_Inlet 0.24 0.00	1.00	0.00	0.00	0.00	0.83	0.01	0.00	0.16
Culvert11 0.00 0.00	1.00	0.01	0.00	0.00	0.82	0.17	0.00	0.00
Culvert12 0.00 0.05	1.00	0.00	0.00	0.00	0.77	0.23	0.00	0.00
Culvert12a 0.00 0.00	1.00	0.05	0.00	0.00	0.95	0.00	0.00	0.00
Culvert12c 0.00 0.05	1.00	0.00	0.00	0.00	0.99	0.01	0.00	0.00
Ditch_77 0.00 0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
Ditch10 0.44 0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
Ditch11 0.41 0.00	1.00	0.00	0.12	0.00	0.88	0.00	0.00	0.00
Ditch12 0.41 0.00	1.00	0.11	0.01	0.00	0.87	0.00	0.00	0.00
Ditch12a 0.50 0.00	1.00	0.05	0.03	0.00	0.92	0.00	0.00	0.00
Ditch13 0.00 0.00	1.00	0.10	0.00	0.00	0.89	0.00	0.01	0.00
Ditch14 0.79 0.00	1.00	0.00	0.14	0.00	0.86	0.00	0.00	0.00
Ditch15 0.00 0.00	1.00	0.22	0.00	0.00	0.00	0.00	0.00	0.78
Ditch16 0.00 0.00	1.00	0.11	0.00	0.00	0.00	0.00	0.00	0.89
Ditch17 0.81 0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
Ditch18 0.04 0.00	1.00	0.00	0.00	0.00	0.77	0.00	0.00	0.23
Ditch2 0.00 0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
Ditch3 0.00 0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
Ditch3_4 0.00 0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00



Ditch4	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Ditch4_489	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Ditch5	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.86 0.00								
Ditch6	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Ditch7	1.00	0.14	0.00	0.00	0.00	0.00	0.00	0.86
0.00 0.00								
Ditch8	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Ditch9	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.96 0.00								
Facility73_to_Pond	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-_ (1)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.95 0.00								
Pipe_-_ (10)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-_ (10)_ (1)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.15 0.00								
Pipe_-_ (117)	1.00	0.00	0.00	0.00	0.77	0.03	0.00	0.20
0.70 0.00								
Pipe_-_ (118)	1.00	0.00	0.00	0.00	0.86	0.14	0.00	0.00
0.12 0.00								
Pipe_-_ (119)	1.00	0.00	0.00	0.00	0.91	0.09	0.00	0.00
0.94 0.00								
Pipe_-_ (120)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.36 0.00								
Pipe_-_ (122)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.99 0.00								
Pipe_-_ (123)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.92 0.00								
Pipe_-_ (124)	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00
0.00 0.00								
Pipe_-_ (125)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.99 0.00								
Pipe_-_ (126)	1.00	0.00	0.00	0.00	0.24	0.76	0.00	0.00
0.88 0.00								
Pipe_-_ (127)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.98 0.00								
Pipe_-_ (128)	1.00	0.00	0.11	0.00	0.89	0.00	0.00	0.00
0.85 0.00								
Pipe_-_ (130)	1.00	0.00	0.12	0.00	0.88	0.00	0.00	0.00
0.84 0.00								
Pipe_-_ (133)	1.00	0.00	0.00	0.00	0.88	0.00	0.00	0.12
0.18 0.00								
Pipe_-_ (134)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.19 0.00								
Pipe_-_ (135)	1.00	0.00	0.11	0.00	0.89	0.00	0.00	0.00
0.32 0.00								
Pipe_-_ (136)	1.00	0.00	0.00	0.00	0.89	0.00	0.00	0.11



Pipe_-(198)	1.00	0.04	0.08	0.00	0.87	0.00	0.00	0.00
0.09 0.00								
Pipe_-(199)	1.00	0.00	0.13	0.00	0.87	0.00	0.00	0.00
0.15 0.00								
Pipe_-(2)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.98 0.00								
Pipe_-(20)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.45 0.00								
Pipe_-(200)	1.00	0.00	0.12	0.00	0.88	0.00	0.00	0.00
0.28 0.00								
Pipe_-(201)	1.00	0.00	0.12	0.00	0.88	0.00	0.00	0.00
0.34 0.00								
Pipe_-(202)	1.00	0.00	0.12	0.00	0.88	0.00	0.00	0.00
0.37 0.00								
Pipe_-(203)	1.00	0.00	0.13	0.00	0.87	0.00	0.00	0.00
0.43 0.00								
Pipe_-(204)	1.00	0.00	0.13	0.00	0.87	0.00	0.00	0.00
0.52 0.00								
Pipe_-(205)	1.00	0.00	0.12	0.00	0.88	0.00	0.00	0.00
0.64 0.00								
Pipe_-(206)	1.00	0.13	0.01	0.00	0.87	0.00	0.00	0.00
0.00 0.00								
Pipe_-(207)	1.00	0.00	0.04	0.00	0.96	0.00	0.00	0.00
0.15 0.00								
Pipe_-(208)	1.00	0.04	0.09	0.00	0.87	0.00	0.00	0.00
0.04 0.00								
Pipe_-(209)	1.00	0.00	0.13	0.00	0.87	0.00	0.00	0.00
0.10 0.00								
Pipe_-(210)	1.00	0.00	0.13	0.00	0.87	0.00	0.00	0.00
0.33 0.00								
Pipe_-(211)	1.00	0.00	0.12	0.00	0.88	0.00	0.00	0.00
0.36 0.00								
Pipe_-(212)	1.00	0.00	0.12	0.00	0.88	0.00	0.00	0.00
0.40 0.00								
Pipe_-(213)	1.00	0.00	0.12	0.00	0.88	0.00	0.00	0.00
0.46 0.00								
Pipe_-(214)	1.00	0.00	0.12	0.00	0.88	0.00	0.00	0.00
0.52 0.00								
Pipe_-(215)	1.00	0.00	0.14	0.00	0.86	0.00	0.00	0.00
0.60 0.00								
Pipe_-(22)	1.00	0.31	0.00	0.00	0.69	0.00	0.00	0.00
0.00 0.00								
Pipe_-(221)	1.00	0.16	0.00	0.00	0.84	0.00	0.00	0.00
0.03 0.00								
Pipe_-(222)	1.00	0.15	0.01	0.00	0.84	0.00	0.00	0.00
0.04 0.00								
Pipe_-(223)	1.00	0.15	0.01	0.00	0.84	0.00	0.00	0.00
0.05 0.00								
Pipe_-(224)	1.00	0.15	0.00	0.00	0.84	0.00	0.00	0.00
0.06 0.00								
Pipe_-(225)	1.00	0.00	0.12	0.00	0.87	0.00	0.00	0.00
0.09 0.00								
Pipe_-(226)	1.00	0.00	0.13	0.00	0.87	0.00	0.00	0.00



Pipe_-(251)	1.00	0.00	0.13	0.00	0.87	0.00	0.00	0.00
0.33 0.00								
Pipe_-(252)	1.00	0.00	0.12	0.00	0.88	0.00	0.00	0.00
0.36 0.00								
Pipe_-(253)	1.00	0.00	0.12	0.00	0.88	0.00	0.00	0.00
0.40 0.00								
Pipe_-(254)	1.00	0.00	0.12	0.00	0.88	0.00	0.00	0.00
0.47 0.00								
Pipe_-(255)	1.00	0.00	0.12	0.00	0.88	0.00	0.00	0.00
0.53 0.00								
Pipe_-(256)	1.00	0.00	0.11	0.00	0.89	0.00	0.00	0.00
0.64 0.00								
Pipe_-(257)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.92 0.00								
Pipe_-(258)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(259)	1.00	0.00	0.00	0.00	0.90	0.00	0.00	0.10
0.84 0.00								
Pipe_-(26)	1.00	0.31	0.00	0.00	0.69	0.00	0.00	0.00
0.00 0.00								
Pipe_-(260)	1.00	0.00	0.09	0.00	0.91	0.00	0.00	0.00
0.85 0.00								
Pipe_-(261)	1.00	0.00	0.04	0.00	0.96	0.00	0.00	0.00
0.98 0.00								
Pipe_-(264)	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00
0.00 0.00								
Pipe_-(265)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.85 0.00								
Pipe_-(266)	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00
0.00 0.00								
Pipe_-(267)	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00
0.00 0.00								
Pipe_-(268)	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.99
0.00 0.00								
Pipe_-(27)	1.00	0.31	0.00	0.00	0.69	0.00	0.00	0.00
0.00 0.00								
Pipe_-(277)	1.00	0.00	0.17	0.00	0.77	0.06	0.00	0.00
0.80 0.00								
Pipe_-(278)	1.00	0.00	0.11	0.00	0.89	0.00	0.00	0.00
0.02 0.00								
Pipe_-(28)	1.00	0.31	0.00	0.00	0.69	0.00	0.00	0.00
0.00 0.00								
Pipe_-(285)	1.00	0.00	0.11	0.00	0.89	0.00	0.00	0.00
0.03 0.00								
Pipe_-(288)	1.00	0.00	0.12	0.00	0.88	0.00	0.00	0.00
0.84 0.00								
Pipe_-(29)	1.00	0.31	0.00	0.00	0.69	0.00	0.00	0.00
0.00 0.00								
Pipe_-(295)	1.00	0.00	0.17	0.00	0.82	0.00	0.00	0.00
0.80 0.00								
Pipe_-(296)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.17 0.00								
Pipe_-(3)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00



Pipe_-(340)	1.00	0.08	0.05	0.00	0.87	0.00	0.00	0.00
0.83 0.00								
Pipe_-(35)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.97 0.00								
Pipe_-(358)	1.00	0.01	0.00	0.00	0.95	0.04	0.00	0.00
0.96 0.00								
Pipe_-(359)	1.00	0.00	0.00	0.00	0.96	0.04	0.00	0.00
0.02 0.00								
Pipe_-(36)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.96 0.00								
Pipe_-(360)	1.00	0.01	0.00	0.00	0.21	0.78	0.00	0.00
0.01 0.00								
Pipe_-(361)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.87 0.00								
Pipe_-(362)	1.00	0.00	0.00	0.00	0.54	0.46	0.00	0.00
0.95 0.00								
Pipe_-(363)	1.00	0.00	0.00	0.00	0.43	0.56	0.00	0.00
0.95 0.00								
Pipe_-(364)	1.00	0.00	0.00	0.00	0.10	0.90	0.00	0.00
0.01 0.00								
Pipe_-(365)	1.00	0.00	0.04	0.00	0.95	0.00	0.00	0.00
1.00 0.00								
Pipe_-(366)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(367)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(369)	1.00	0.00	0.00	0.00	0.66	0.08	0.00	0.26
0.68 0.00								
Pipe_-(37)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.41 0.00								
Pipe_-(370)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(374)	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(375)	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(376)	1.00	0.00	0.04	0.00	0.96	0.00	0.00	0.00
0.28 0.00								
Pipe_-(377)	1.00	0.01	0.04	0.00	0.95	0.00	0.00	0.00
0.83 0.00								
Pipe_-(378)	1.00	0.00	0.11	0.00	0.89	0.00	0.00	0.00
0.43 0.00								
Pipe_-(379)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(38)	1.00	0.00	0.00	0.00	0.26	0.74	0.00	0.00
0.00 0.00								
Pipe_-(380)	1.00	0.00	0.00	0.00	0.28	0.72	0.00	0.00
0.79 0.00								
Pipe_-(381)	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00
0.00 0.00								
Pipe_-(382)	1.00	0.00	0.04	0.00	0.96	0.00	0.00	0.00
0.77 0.00								
Pipe_-(383)	1.00	0.00	0.00	0.00	0.43	0.57	0.00	0.00





Pipe_-(431)	1.00	0.05	0.00	0.00	0.95	0.00	0.00	0.00
0.32 0.00								
Pipe_-(432)	1.00	0.06	0.00	0.00	0.94	0.00	0.00	0.00
0.08 0.00								
Pipe_-(433)	1.00	0.06	0.02	0.00	0.92	0.00	0.00	0.00
0.13 0.00								
Pipe_-(434)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(435)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(436)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(437)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(438)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(439)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(44)	1.00	0.00	0.00	0.00	0.71	0.29	0.00	0.00
0.00 0.00								
Pipe_-(443)	1.00	0.00	0.00	0.00	0.71	0.29	0.00	0.00
0.67 0.00								
Pipe_-(444)	1.00	0.00	0.00	0.00	0.41	0.59	0.00	0.00
0.11 0.00								
Pipe_-(445)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.97 0.00								
Pipe_-(446)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.86 0.00								
Pipe_-(447)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(448)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(449)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(45)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.48 0.00								
Pipe_-(450)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(452)	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00
0.06 0.00								
Pipe_-(453)	1.00	0.03	0.04	0.00	0.93	0.00	0.00	0.00
0.36 0.00								
Pipe_-(454)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00
0.23 0.00								
Pipe_-(455)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00
0.55 0.00								
Pipe_-(456)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00
0.01 0.00								
Pipe_-(460)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(461)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(462)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00



Pipe_-(73)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.99 0.00								
Pipe_-(74)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.89 0.00								
Pipe_-(75)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.97 0.00								
Pipe_-(76)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.97 0.00								
Pipe_-(77)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.99 0.00								
Pipe_-(78)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
1.00 0.00								
Pipe_-(79)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
1.00 0.00								
Pipe_-(8)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.59 0.00								
Pipe_-(80)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.99 0.00								
Pipe_-(81)	1.00	0.00	0.12	0.00	0.88	0.00	0.00	0.00
0.84 0.00								
Pipe_-(82)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.03 0.00								
Pipe_-(83)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.14 0.00								
Pipe_-(84)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.15 0.00								
Pipe_-(85)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(87)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
1.00 0.00								
Pipe_-(88)	1.00	0.00	0.00	0.00	0.15	0.85	0.00	0.00
0.05 0.00								
Pipe_-(89)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.90 0.00								
Pipe_-(9)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.29 0.00								
Pipe_-(90)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(91)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.23 0.00								
Pipe_-(92)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.99 0.00								
Pipe_-(93)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.94 0.00								
Pipe_-(94)	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00
0.98 0.00								
Pipe_-(95)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.99 0.00								
Pipe_-(96)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.94 0.00								
Pipe_-(97)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.93 0.00								
Pipe_PS_A	1.00	0.01	0.01	0.00	0.79	0.19	0.00	0.00

0.98	0.00								
Pipe_PS_B		1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00	0.00								
Pipe468		1.00	0.00	0.00	0.00	0.13	0.87	0.00	0.00
0.00	0.00								
Pipe483		1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.21	0.00								
PSC_Overflow		1.00	0.42	0.48	0.00	0.10	0.00	0.00	0.00
0.37	0.00								
PSC_to_Outfall		1.00	0.44	0.08	0.00	0.42	0.06	0.00	0.00
0.11	0.00								

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 Conduit Surcharge Summary  
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Conduit	----- Both Ends	Hours Full Upstream	----- Dnstream	Hours Above Full Normal Flow	Hours Capacity Limited
172_to_Inlet	37.40	37.40	39.24	0.01	0.01
278_to_PS_B	0.01	0.01	3.04	0.01	0.01
458_to_Inlet	0.01	0.01	20.04	0.01	0.01
469_to_Inlet	16.47	16.47	37.75	0.01	0.01
Culvert11	20.24	20.46	20.24	31.19	19.92
Culvert12	19.22	20.42	19.22	31.17	18.90
Culvert12a	19.24	19.25	19.24	8.09	6.33
Culvert12c	19.37	19.37	19.37	0.98	1.76
Ditch_77	47.84	47.84	47.84	0.87	2.67
Ditch10	0.06	0.12	8.37	0.01	0.01
Ditch11	19.41	19.41	19.92	0.01	0.01
Ditch12	18.06	18.06	19.43	0.01	0.01
Ditch14	0.01	0.01	0.54	0.01	0.01
Ditch18	19.29	19.29	19.74	0.01	0.01
Ditch2	19.50	19.50	19.50	0.02	4.43
Ditch3_4	19.44	19.44	34.85	0.01	0.01
Ditch9	0.01	0.01	18.33	0.01	0.01
Facility73_to_Pond	48.00	48.00	48.00	10.55	10.19
Pipe_-(10)	0.77	0.77	0.78	0.01	0.10
Pipe_-(10)(1)	0.78	0.78	0.81	0.01	0.04
Pipe_-(117)	0.01	0.01	14.02	0.01	0.01
Pipe_-(133)	18.83	18.83	19.66	0.01	0.01
Pipe_-(134)	18.26	18.26	18.83	0.01	0.05
Pipe_-(135)	17.77	17.77	18.26	0.01	0.05
Pipe_-(136)	10.19	10.19	17.77	0.01	0.01
Pipe_-(137)	0.83	0.83	10.19	0.01	0.01
Pipe_-(138)	0.39	0.39	0.83	0.01	0.01
Pipe_-(153)	0.44	0.44	11.14	0.01	0.01
Pipe_-(154)	3.07	3.07	13.77	0.01	0.01
Pipe_-(155)	10.26	10.26	16.24	0.01	0.01
Pipe_-(156)	13.32	13.32	16.77	0.01	0.01

Pipe_-(157)	15.74	15.74	18.87	0.01	0.01
Pipe_-(158)	18.04	18.04	21.51	0.01	0.01
Pipe_-(159)	20.14	20.14	23.82	0.01	0.01
Pipe_-(160)	22.98	22.98	24.24	0.01	0.01
Pipe_-(161)	25.47	25.47	29.48	0.01	0.01
Pipe_-(162)	22.05	22.05	30.09	0.01	0.01
Pipe_-(163)	36.05	36.05	37.40	0.01	0.01
Pipe_-(164)	19.08	19.08	37.17	0.01	0.01
Pipe_-(165)	30.37	30.37	35.67	0.01	0.01
Pipe_-(166)	34.35	34.35	35.48	0.01	0.01
Pipe_-(167)	23.68	23.68	34.35	0.01	0.01
Pipe_-(168)	19.69	19.69	23.68	0.01	0.01
Pipe_-(169)	13.26	13.26	20.16	0.01	0.01
Pipe_-(170)	9.51	9.51	15.83	0.01	0.01
Pipe_-(171)	4.83	4.83	9.51	0.01	0.01
Pipe_-(172)	0.84	0.84	38.35	0.01	0.01
Pipe_-(18)	5.73	5.73	10.07	0.01	0.01
Pipe_-(19)	1.27	1.27	9.59	0.01	0.01
Pipe_-(196)	24.72	24.72	32.91	0.01	0.01
Pipe_-(197)	25.47	25.47	29.46	0.01	0.01
Pipe_-(198)	22.27	22.27	25.47	0.01	0.01
Pipe_-(199)	20.16	20.16	23.82	0.01	0.01
Pipe_-(2)	0.01	0.01	0.25	0.01	0.01
Pipe_-(20)	0.85	0.85	1.27	0.01	0.01
Pipe_-(200)	18.04	18.04	21.51	0.01	0.01
Pipe_-(201)	16.10	16.10	18.88	0.01	0.01
Pipe_-(202)	13.33	13.33	17.11	0.01	0.01
Pipe_-(203)	10.25	10.25	16.24	0.01	0.01
Pipe_-(204)	3.11	3.11	13.78	0.01	0.01
Pipe_-(205)	0.47	0.47	11.14	0.01	0.01
Pipe_-(206)	31.29	31.29	35.67	0.01	0.01
Pipe_-(207)	32.84	32.84	33.98	0.01	0.01
Pipe_-(208)	22.96	22.96	32.84	0.01	0.01
Pipe_-(209)	21.46	21.46	23.77	0.01	0.01
Pipe_-(210)	16.97	16.97	22.99	0.01	0.01
Pipe_-(211)	14.20	14.20	18.48	0.01	0.01
Pipe_-(212)	10.75	10.75	15.34	0.01	0.01
Pipe_-(213)	3.00	3.00	11.69	0.01	0.01
Pipe_-(214)	1.50	1.50	10.16	0.01	0.01
Pipe_-(215)	0.44	0.44	7.82	0.01	0.01
Pipe_-(22)	28.65	28.66	28.65	28.65	28.65
Pipe_-(221)	24.40	24.40	37.10	0.01	0.01
Pipe_-(222)	26.26	26.26	36.34	0.01	0.01
Pipe_-(223)	23.96	23.96	35.69	0.01	0.01
Pipe_-(224)	23.45	23.45	30.12	0.01	0.01
Pipe_-(225)	22.27	22.27	33.22	0.01	0.01
Pipe_-(226)	20.14	20.14	23.82	0.01	0.01
Pipe_-(227)	18.03	18.03	21.51	0.01	0.01
Pipe_-(228)	15.75	15.75	18.89	0.01	0.01
Pipe_-(229)	13.29	13.29	16.79	0.01	0.01
Pipe_-(23)	28.53	28.55	28.53	25.54	26.72
Pipe_-(230)	10.25	10.25	16.24	0.01	0.01
Pipe_-(231)	2.13	2.13	13.79	0.01	0.01

Pipe_-(232)	0.45	0.45	10.70	0.01	0.01
Pipe_-(234)	1.20	1.20	39.87	0.01	0.01
Pipe_-(235)	0.01	0.01	1.20	0.01	0.01
Pipe_-(237)	22.86	22.86	35.69	0.01	0.01
Pipe_-(238)	25.49	25.49	29.82	0.01	0.01
Pipe_-(239)	22.27	22.27	25.49	0.01	0.01
Pipe_-(24)	28.44	28.53	28.44	25.82	26.45
Pipe_-(240)	20.15	20.15	23.82	0.01	0.01
Pipe_-(241)	18.03	18.03	21.51	0.01	0.01
Pipe_-(242)	15.75	15.75	18.88	0.01	0.01
Pipe_-(243)	13.32	13.32	16.79	0.01	0.01
Pipe_-(244)	10.37	10.37	16.24	0.01	0.01
Pipe_-(245)	3.14	3.14	14.00	0.01	0.01
Pipe_-(246)	0.46	0.46	11.16	0.01	0.01
Pipe_-(247)	23.21	23.21	36.82	0.01	0.01
Pipe_-(248)	32.85	32.85	34.03	0.01	0.01
Pipe_-(249)	22.96	22.96	32.85	0.01	0.01
Pipe_-(25)	28.25	28.44	28.25	26.05	26.50
Pipe_-(250)	21.45	21.45	23.77	0.01	0.01
Pipe_-(251)	16.98	16.98	22.98	0.01	0.01
Pipe_-(252)	14.22	14.22	18.49	0.01	0.01
Pipe_-(253)	10.78	10.78	15.32	0.01	0.01
Pipe_-(254)	3.14	3.14	11.70	0.01	0.01
Pipe_-(255)	1.83	1.83	10.13	0.01	0.01
Pipe_-(256)	0.46	0.46	7.85	0.01	0.01
Pipe_-(257)	0.36	0.36	1.64	0.01	0.01
Pipe_-(258)	0.36	0.37	0.36	2.05	0.35
Pipe_-(259)	0.01	0.01	0.36	0.01	0.01
Pipe_-(26)	28.18	28.25	28.18	25.93	26.70
Pipe_-(260)	0.22	0.22	0.38	0.01	0.01
Pipe_-(261)	0.01	0.01	0.37	0.01	0.01
Pipe_-(27)	28.13	28.18	28.13	26.59	27.77
Pipe_-(278)	0.01	0.01	39.54	0.01	0.01
Pipe_-(28)	27.99	28.13	27.99	26.40	27.99
Pipe_-(285)	0.01	0.01	39.54	0.01	0.01
Pipe_-(29)	27.64	27.99	27.64	26.84	27.64
Pipe_-(296)	0.01	0.01	39.46	0.01	0.01
Pipe_-(3)	0.25	0.25	0.50	0.01	0.01
Pipe_-(30)	27.33	27.64	27.33	27.62	27.33
Pipe_-(307)	0.01	0.01	0.28	0.01	0.01
Pipe_-(308)	0.20	0.28	0.20	0.75	0.20
Pipe_-(309)	0.01	0.20	0.01	1.25	0.01
Pipe_-(31)	27.13	27.33	27.13	27.12	27.13
Pipe_-(313)	0.65	0.67	0.65	0.91	0.65
Pipe_-(314)	0.08	0.08	1.33	0.01	0.01
Pipe_-(319)	0.98	0.98	2.52	0.83	0.83
Pipe_-(32)	26.34	27.13	26.34	26.71	26.34
Pipe_-(320)	0.77	0.77	2.63	0.58	0.57
Pipe_-(323)	0.01	0.05	0.01	0.87	0.01
Pipe_-(33)	18.37	26.34	18.37	26.31	18.37
Pipe_-(333)	0.82	0.84	0.82	0.99	0.82
Pipe_-(334)	0.01	0.01	0.29	0.01	0.01
Pipe_-(34)	1.18	18.37	1.18	25.92	1.18

Pipe_-(365)	0.01	0.01	33.01	0.01	0.01
Pipe_-(366)	20.10	20.10	20.24	0.01	0.01
Pipe_-(367)	20.10	20.10	20.14	0.01	0.01
Pipe_-(369)	0.01	0.01	20.60	0.01	0.01
Pipe_-(370)	20.50	20.50	20.57	7.17	6.56
Pipe_-(378)	0.01	0.01	20.24	0.01	0.01
Pipe_-(379)	20.24	20.24	47.88	0.01	0.01
Pipe_-(382)	0.01	0.01	19.88	0.01	0.01
Pipe_-(389)	0.01	0.01	17.01	0.01	0.01
Pipe_-(4)	0.01	0.01	0.31	0.01	0.01
Pipe_-(404)	0.01	0.01	47.87	0.01	0.01
Pipe_-(423)	47.73	47.73	47.79	8.47	9.08
Pipe_-(424)	47.79	47.79	47.96	8.54	9.19
Pipe_-(425)	47.96	47.96	47.99	8.53	8.89
Pipe_-(426)	47.99	47.99	48.00	8.56	9.25
Pipe_-(427)	48.00	48.00	48.00	8.62	8.68
Pipe_-(429)	19.98	19.98	19.99	0.09	5.49
Pipe_-(430)	19.99	19.99	19.99	0.09	2.76
Pipe_-(431)	19.99	19.99	20.02	0.06	0.02
Pipe_-(432)	20.00	20.00	20.02	0.01	0.07
Pipe_-(433)	20.02	20.02	20.04	0.06	0.02
Pipe_-(434)	47.77	47.77	47.86	8.28	8.69
Pipe_-(435)	47.86	47.86	47.86	8.23	8.83
Pipe_-(436)	47.86	47.86	47.89	7.94	8.31
Pipe_-(437)	47.89	47.89	47.90	8.11	8.71
Pipe_-(438)	47.90	47.90	47.94	7.95	8.18
Pipe_-(439)	47.72	47.72	47.94	0.01	0.01
Pipe_-(443)	0.01	0.01	16.47	0.01	0.01
Pipe_-(447)	47.75	47.75	47.76	0.01	0.01
Pipe_-(448)	47.76	47.76	47.81	0.01	0.01
Pipe_-(449)	47.81	47.81	47.85	0.01	0.01
Pipe_-(45)	0.01	0.01	0.46	0.01	0.01
Pipe_-(450)	20.39	20.39	20.50	1.31	1.33
Pipe_-(452)	19.94	19.94	19.98	0.14	1.64
Pipe_-(453)	19.94	19.94	19.94	0.01	0.27
Pipe_-(454)	19.93	19.93	19.94	0.01	0.22
Pipe_-(455)	19.92	19.92	19.93	0.01	0.01
Pipe_-(456)	19.92	19.92	19.92	0.01	2.23
Pipe_-(460)	47.86	47.86	47.87	0.01	0.01
Pipe_-(461)	20.29	20.29	20.36	17.57	14.29
Pipe_-(462)	19.96	19.96	20.34	0.51	0.01
Pipe_-(47)	0.46	0.46	0.85	0.01	0.01
Pipe_-(49)	0.85	0.85	1.12	0.01	0.01
Pipe_-(5)	0.31	0.31	0.84	0.01	0.01
Pipe_-(50)	1.12	1.12	2.14	0.01	0.01
Pipe_-(51)	2.07	2.14	2.09	2.53	1.83
Pipe_-(52)	0.80	0.86	0.80	1.38	0.80
Pipe_-(53)	0.80	0.80	3.56	0.01	0.01
Pipe_-(6)	0.84	0.84	1.18	0.01	0.01
Pipe_-(7)	0.70	0.70	0.91	0.01	0.01
Pipe_-(8)	0.91	0.91	1.20	0.01	0.01
Pipe_-(81)	0.01	0.01	0.55	0.01	0.01
Pipe_-(9)	1.20	1.20	1.30	0.01	0.01

Pipe_PS_A	0.01	0.01	19.92	0.01	0.01
Pipe_PS_B	1.87	1.87	1.93	1.64	1.32
Pipe468	0.01	0.01	0.01	1.95	0.01
Pipe483	2.10	2.10	27.29	0.01	0.01
PSC_Overflow	0.01	0.01	17.94	0.01	0.01
PSC_to_Outfall	0.01	12.63	0.01	0.01	0.01

\*\*\*\*\*  
Pumping Summary  
\*\*\*\*\*

-----				Min	Avg	Max	
Total	Power	% Time Off		Flow	Flow	Flow	
Volume	Usage	Percent		Number of	Flow	Flow	
Pump	Kw-hr	Pump Curve		Start-Ups	CFS	CFS	
10^6 gal		Low	High		CFS	CFS	
-----							
004Pump1		59.71		1	0.00	0.48	1.36
0.356	27.98	0.0	0.0				
77Pump1		17.48		3	0.00	18.96	22.28
4.284	596.35	0.0	6.5				
77Pump2		0.00		0	0.00	0.00	0.00
0.000	0.00	0.0	0.0				
CPump1		24.35		17	0.00	6.69	6.68
2.104	231.19	0.0	0.0				
CPump2		22.09		3	0.00	6.68	6.68
1.909	220.35	0.0	0.0				

Analysis begun on: Fri Aug 19 09:41:16 2022  
Analysis ended on: Fri Aug 19 09:42:55 2022  
Total elapsed time: 00:01:39



EPA STORM WATER MANAGEMENT MODEL - VERSION 5.1 (Build 5.1.015)

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WARNING 09: time series interval greater than recording interval for Rain Gage Null

- WARNING 08: elevation drop exceeds length for Conduit 172\_to\_Inlet
- WARNING 04: minimum elevation drop used for Conduit 381\_to\_PS77
- WARNING 08: elevation drop exceeds length for Conduit 458\_to\_Inlet
- WARNING 08: elevation drop exceeds length for Conduit 469\_to\_Inlet
- WARNING 04: minimum elevation drop used for Conduit Culvert11
- WARNING 04: minimum elevation drop used for Conduit Culvert12
- WARNING 04: minimum elevation drop used for Conduit Culvert12a
- WARNING 04: minimum elevation drop used for Conduit Culvert12c
- WARNING 04: minimum elevation drop used for Conduit Ditch13
- WARNING 04: minimum elevation drop used for Conduit Ditch2
- WARNING 04: minimum elevation drop used for Conduit Ditch4\_489
- WARNING 04: minimum elevation drop used for Conduit Ditch6
- WARNING 04: minimum elevation drop used for Conduit Facility73\_to\_Pond
- WARNING 04: minimum elevation drop used for Conduit Pipe\_-(258)
- WARNING 04: minimum elevation drop used for Conduit Pipe\_-(374)
- WARNING 04: minimum elevation drop used for Conduit Pipe\_-(461)
- WARNING 02: maximum depth increased for Node Ditch1\_2
- WARNING 02: maximum depth increased for Node Ditch17\_5\_6
- WARNING 02: maximum depth increased for Node Ditch2\_3
- WARNING 02: maximum depth increased for Node Ditch3\_Out
- WARNING 02: maximum depth increased for Node Ditch4\_In
- WARNING 02: maximum depth increased for Node Ditch6\_7
- WARNING 02: maximum depth increased for Node Ditch7\_8
- WARNING 02: maximum depth increased for Node Structure\_-(489)

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Element Count

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Number of rain gages ..... 1  
 Number of subcatchments ... 14  
 Number of nodes ..... 333  
 Number of links ..... 327  
 Number of pollutants ..... 0  
 Number of land uses ..... 0

\*\*\*\*\*

Raingage Summary

\*\*\*\*\*

Name	Data Source	Data Type	Recording Interval
Null	Null	INTENSITY	60 min.

\*\*\*\*\*

Subcatchment Summary

\*\*\*\*\*

Name	Area	Width	%Imperv	%Slope	Rain Gage
Outlet					
-----					
2.1 Structure602	88.70	1950.00	70.12	0.5000	Null
2.2 Ditch9_Inlet	52.40	1400.00	4.01	0.5000	Null
2.3 Structure_-(395)	9.40	450.00	2.13	0.5000	Null
2.4 Ditch4_In	33.10	1560.00	5.14	0.5000	Null
3 SDCB294	17.20	800.00	39.65	0.5000	Null
5 5_Dummy_Outlet	17.20	850.00	2.91	0.5000	Null
A Ditch4_In	40.50	1950.00	6.42	0.5000	Null
B Ditch2_3	21.40	850.00	1.87	0.5000	Null
C C_Dummy_Outlet	17.30	1200.00	6.94	0.5000	Null
D D_Dummy_Outlet	14.10	1350.00	49.65	0.5000	Null
E E_Dummy_Outlet	10.70	750.00	11.21	0.5000	Null
F F_Dummy_Outlet	12.90	1400.00	6.20	0.5000	Null
G G_Dummy_Outlet	5.60	680.00	3.57	0.5000	Null
H H_Dummy_Outlet	12.70	840.00	3.15	0.5000	Null

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Node Summary

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External Name	Type	Invert Elev.	Max. Depth	Ponded Area	
Inflow					
-----					
CB19	JUNCTION	6.61	5.52	100.0	Yes
CB22	JUNCTION	6.02	5.00	100.0	Yes
CB30	JUNCTION	7.17	5.00	100.0	Yes
CB31	JUNCTION	7.40	5.00	100.0	Yes
CB33	JUNCTION	7.17	5.00	100.0	Yes
Culvert_Ditch11	JUNCTION	3.34	5.00	100.0	
Culvert_Ditch12	JUNCTION	2.98	5.00	100.0	

Culvert_Ditch12a	JUNCTION	2.39	5.00	100.0	
Culvert_Ditch12b	JUNCTION	2.39	5.00	100.0	
Culvert_Ditch12c	JUNCTION	0.50	5.00	100.0	
Ditch1_2	JUNCTION	1.00	5.50	100.0	
Ditch10_Inlet	JUNCTION	3.80	5.00	100.0	Yes
Ditch11_12	JUNCTION	2.98	5.00	100.0	Yes
Ditch12_18	JUNCTION	0.50	5.00	100.0	Yes
Ditch14_15	JUNCTION	4.12	5.00	100.0	Yes
Ditch15_16	JUNCTION	3.12	5.00	100.0	Yes
Ditch16_17	JUNCTION	2.18	5.00	100.0	Yes
Ditch17_5_6	JUNCTION	1.24	7.00	100.0	Yes
Ditch2_3	JUNCTION	1.00	11.00	100.0	Yes
Ditch3_Out	JUNCTION	1.00	10.00	100.0	
Ditch4_Berm	JUNCTION	4.00	10.00	100.0	
Ditch4_In	JUNCTION	5.00	10.00	100.0	Yes
Ditch4_Out	JUNCTION	3.00	14.00	100.0	
Ditch5_Inlet	JUNCTION	2.25	5.00	100.0	Yes
Ditch6_7	JUNCTION	1.24	7.00	100.0	Yes
Ditch7_8	JUNCTION	-2.32	8.78	100.0	Yes
Ditch9_10_11	JUNCTION	3.34	5.00	100.0	Yes
Ditch9_Inlet	JUNCTION	8.46	5.00	100.0	Yes
Facility77_PS	JUNCTION	8.30	1.67	100.0	
PS004	JUNCTION	-2.00	6.00	100.0	
PSC_Outlet	JUNCTION	11.50	1.67	100.0	
SDCB294	JUNCTION	2.53	6.00	100.0	Yes
SDCB541	JUNCTION	5.31	5.00	100.0	Yes
SDCB543	JUNCTION	7.11	5.75	100.0	Yes
SDCB6003	JUNCTION	2.93	7.65	100.0	Yes
SDCB6005	JUNCTION	5.75	5.00	100.0	Yes
SDMH297	JUNCTION	2.48	6.22	100.0	Yes
SDMH299	JUNCTION	2.50	6.35	100.0	Yes
SDMH301	JUNCTION	2.30	5.00	100.0	Yes
SDMH538	JUNCTION	4.88	5.00	100.0	Yes
SDMH539	JUNCTION	3.53	6.35	100.0	Yes
SDMH540	JUNCTION	3.78	5.75	100.0	Yes
Structure_-_ (1)	JUNCTION	7.42	5.00	100.0	Yes
Structure_-_ (10)	JUNCTION	4.74	9.44	100.0	Yes
Structure_-_ (100)	JUNCTION	10.62	5.00	100.0	Yes
Structure_-_ (101)	JUNCTION	10.67	5.00	100.0	Yes
Structure_-_ (102)	JUNCTION	10.50	5.00	100.0	Yes
Structure_-_ (123)	JUNCTION	7.46	8.18	100.0	Yes
Structure_-_ (124)	JUNCTION	7.70	8.66	100.0	Yes
Structure_-_ (125)	JUNCTION	9.82	5.00	100.0	Yes
Structure_-_ (126)	JUNCTION	10.12	5.00	100.0	Yes
Structure_-_ (128)	JUNCTION	11.13	5.00	100.0	Yes
Structure_-_ (129)	JUNCTION	12.81	5.00	100.0	Yes
Structure_-_ (130)	JUNCTION	10.61	5.00	100.0	Yes
Structure_-_ (131)	JUNCTION	11.13	5.00	100.0	Yes
Structure_-_ (132)	JUNCTION	11.93	5.00	100.0	Yes
Structure_-_ (133)	JUNCTION	10.62	5.00	100.0	Yes
Structure_-_ (134)	JUNCTION	11.30	5.00	100.0	Yes
Structure_-_ (136)	JUNCTION	11.83	5.00	100.0	Yes
Structure_-_ (139)	JUNCTION	4.12	7.40	100.0	Yes

Structure_-(140)	JUNCTION	4.22	7.05	100.0	Yes
Structure_-(141)	JUNCTION	3.60	6.40	100.0	Yes
Structure_-(142)	JUNCTION	5.44	5.00	100.0	Yes
Structure_-(143)	JUNCTION	6.40	6.06	100.0	Yes
Structure_-(144)	JUNCTION	6.76	5.41	100.0	Yes
Structure_-(161)	JUNCTION	6.13	5.00	100.0	Yes
Structure_-(162)	JUNCTION	5.25	5.00	100.0	Yes
Structure_-(163)	JUNCTION	4.62	5.00	100.0	Yes
Structure_-(164)	JUNCTION	4.03	5.00	100.0	Yes
Structure_-(165)	JUNCTION	3.70	5.00	100.0	Yes
Structure_-(166)	JUNCTION	3.35	5.00	100.0	Yes
Structure_-(167)	JUNCTION	2.79	5.00	100.0	Yes
Structure_-(168)	JUNCTION	2.15	5.00	100.0	Yes
Structure_-(169)	JUNCTION	1.58	5.00	100.0	Yes
Structure_-(170)	JUNCTION	1.40	10.49	100.0	Yes
Structure_-(171)	JUNCTION	-1.58	13.71	100.0	Yes
Structure_-(172)	JUNCTION	-3.00	5.00	100.0	Yes
Structure_-(173)	JUNCTION	0.55	10.11	100.0	Yes
Structure_-(174)	JUNCTION	1.10	9.56	100.0	Yes
Structure_-(175)	JUNCTION	1.36	14.78	100.0	Yes
Structure_-(176)	JUNCTION	2.44	12.83	100.0	Yes
Structure_-(177)	JUNCTION	3.34	10.94	100.0	Yes
Structure_-(178)	JUNCTION	4.34	5.00	100.0	Yes
Structure_-(179)	JUNCTION	5.24	5.00	100.0	Yes
Structure_-(180)	JUNCTION	4.59	9.53	100.0	Yes
Structure_-(181)	JUNCTION	6.13	9.00	100.0	Yes
Structure_-(19)	JUNCTION	5.05	9.03	100.0	Yes
Structure_-(2)	JUNCTION	7.31	5.43	100.0	Yes
Structure_-(20)	JUNCTION	5.77	5.00	100.0	Yes
Structure_-(205)	JUNCTION	1.40	7.75	100.0	Yes
Structure_-(206)	JUNCTION	1.58	5.00	100.0	Yes
Structure_-(207)	JUNCTION	2.15	5.00	100.0	Yes
Structure_-(208)	JUNCTION	2.79	5.00	100.0	Yes
Structure_-(209)	JUNCTION	3.35	5.00	100.0	Yes
Structure_-(21)	JUNCTION	6.16	5.00	100.0	Yes
Structure_-(210)	JUNCTION	3.65	5.00	100.0	Yes
Structure_-(211)	JUNCTION	4.03	5.00	100.0	Yes
Structure_-(212)	JUNCTION	4.62	5.00	100.0	Yes
Structure_-(213)	JUNCTION	5.25	5.00	100.0	Yes
Structure_-(214)	JUNCTION	6.13	5.00	100.0	Yes
Structure_-(215)	JUNCTION	0.93	9.12	100.0	Yes
Structure_-(216)	JUNCTION	1.11	5.00	100.0	Yes
Structure_-(217)	JUNCTION	1.91	5.00	100.0	Yes
Structure_-(218)	JUNCTION	2.40	5.00	100.0	Yes
Structure_-(219)	JUNCTION	3.42	5.00	100.0	Yes
Structure_-(220)	JUNCTION	3.91	5.00	100.0	Yes
Structure_-(221)	JUNCTION	4.42	5.00	100.0	Yes
Structure_-(222)	JUNCTION	4.96	5.00	100.0	Yes
Structure_-(223)	JUNCTION	5.46	5.00	100.0	Yes
Structure_-(23)	JUNCTION	14.48	0.25	100.0	
Structure_-(230)	JUNCTION	-0.26	11.22	100.0	Yes
Structure_-(231)	JUNCTION	0.55	9.83	100.0	Yes
Structure_-(232)	JUNCTION	1.36	9.03	100.0	Yes

Structure_-(233)	JUNCTION	1.06	7.30	100.0	Yes
Structure_-(234)	JUNCTION	2.15	6.18	100.0	Yes
Structure_-(235)	JUNCTION	2.79	5.91	100.0	Yes
Structure_-(236)	JUNCTION	3.35	5.25	100.0	Yes
Structure_-(237)	JUNCTION	3.70	5.00	100.0	Yes
Structure_-(238)	JUNCTION	4.03	5.00	100.0	Yes
Structure_-(239)	JUNCTION	4.62	5.00	100.0	
Structure_-(24)	JUNCTION	14.47	5.00	100.0	
Structure_-(240)	JUNCTION	5.34	5.00	100.0	Yes
Structure_-(241)	JUNCTION	6.13	5.00	100.0	Yes
Structure_-(242)	JUNCTION	3.20	5.00	100.0	Yes
Structure_-(243)	JUNCTION	3.76	6.82	100.0	Yes
Structure_-(244)	JUNCTION	4.68	6.60	100.0	Yes
Structure_-(245)	JUNCTION	4.95	6.00	100.0	Yes
Structure_-(246)	JUNCTION	1.38	8.96	100.0	Yes
Structure_-(247)	JUNCTION	1.58	5.00	100.0	Yes
Structure_-(248)	JUNCTION	2.15	5.00	100.0	Yes
Structure_-(249)	JUNCTION	2.79	5.00	100.0	Yes
Structure_-(25)	JUNCTION	14.40	0.50	100.0	
Structure_-(250)	JUNCTION	3.35	5.00	100.0	Yes
Structure_-(251)	JUNCTION	3.70	5.00	100.0	Yes
Structure_-(252)	JUNCTION	4.03	5.00	100.0	Yes
Structure_-(253)	JUNCTION	4.59	5.00	100.0	Yes
Structure_-(254)	JUNCTION	5.25	5.00	100.0	Yes
Structure_-(255)	JUNCTION	6.13	5.00	100.0	Yes
Structure_-(256)	JUNCTION	0.93	9.63	100.0	Yes
Structure_-(257)	JUNCTION	1.11	5.00	100.0	Yes
Structure_-(258)	JUNCTION	1.91	5.00	100.0	Yes
Structure_-(259)	JUNCTION	2.40	5.00	100.0	Yes
Structure_-(26)	JUNCTION	14.08	0.50	100.0	
Structure_-(260)	JUNCTION	3.42	5.00	100.0	Yes
Structure_-(261)	JUNCTION	3.91	5.00	100.0	Yes
Structure_-(262)	JUNCTION	4.42	5.00	100.0	Yes
Structure_-(263)	JUNCTION	4.96	5.00	100.0	Yes
Structure_-(264)	JUNCTION	5.46	5.00	100.0	Yes
Structure_-(265)	JUNCTION	6.13	5.00	100.0	Yes
Structure_-(266)	JUNCTION	6.79	5.99	100.0	Yes
Structure_-(267)	JUNCTION	6.79	5.00	100.0	
Structure_-(268)	JUNCTION	7.28	5.00	100.0	Yes
Structure_-(269)	JUNCTION	7.49	5.00	100.0	Yes
Structure_-(27)	JUNCTION	13.18	0.50	100.0	
Structure_-(270)	JUNCTION	7.42	5.00	100.0	Yes
Structure_-(273)	JUNCTION	11.13	5.00	100.0	Yes
Structure_-(274)	JUNCTION	10.63	5.00	100.0	Yes
Structure_-(275)	JUNCTION	10.45	5.00	100.0	Yes
Structure_-(276)	JUNCTION	9.27	5.00	100.0	Yes
Structure_-(277)	JUNCTION	8.39	5.85	100.0	Yes
Structure_-(278)	JUNCTION	7.66	6.47	100.0	Yes
Structure_-(28)	JUNCTION	13.06	0.50	100.0	
Structure_-(287)	JUNCTION	10.45	5.00	100.0	Yes
Structure_-(288)	JUNCTION	11.23	5.00	100.0	Yes
Structure_-(29)	JUNCTION	12.99	0.50	100.0	
Structure_-(298)	JUNCTION	10.43	5.00	100.0	Yes

Structure_-(3)	JUNCTION	6.95	5.07	100.0	Yes
Structure_-(30)	JUNCTION	12.70	0.50	100.0	
Structure_-(305)	JUNCTION	10.68	5.00	100.0	Yes
Structure_-(306)	JUNCTION	11.73	5.00	100.0	Yes
Structure_-(31)	JUNCTION	11.93	0.50	100.0	
Structure_-(319)	JUNCTION	6.31	5.00	100.0	Yes
Structure_-(32)	JUNCTION	11.54	0.50	100.0	
Structure_-(320)	JUNCTION	6.16	5.00	100.0	Yes
Structure_-(325)	JUNCTION	5.48	5.00	100.0	Yes
Structure_-(326)	JUNCTION	7.45	5.00	100.0	Yes
Structure_-(33)	JUNCTION	11.34	0.50	100.0	
Structure_-(331)	JUNCTION	8.05	5.00	100.0	Yes
Structure_-(332)	JUNCTION	8.05	5.00	100.0	Yes
Structure_-(333)	JUNCTION	6.72	5.00	100.0	Yes
Structure_-(34)	JUNCTION	10.58	0.50	100.0	
Structure_-(341)	JUNCTION	6.44	7.90	100.0	Yes
Structure_-(35)	JUNCTION	9.28	0.50	100.0	
Structure_-(37)	JUNCTION	8.81	6.29	100.0	Yes
Structure_-(370)	JUNCTION	8.23	5.00	100.0	Yes
Structure_-(371)	JUNCTION	8.41	5.00	100.0	Yes
Structure_-(372)	JUNCTION	10.48	5.00	100.0	Yes
Structure_-(373)	JUNCTION	8.15	5.00	100.0	Yes
Structure_-(374)	JUNCTION	8.94	6.40	100.0	Yes
Structure_-(375)	JUNCTION	8.64	6.40	100.0	Yes
Structure_-(376)	JUNCTION	8.40	6.40	100.0	Yes
Structure_-(377)	JUNCTION	8.10	6.82	100.0	Yes
Structure_-(378)	JUNCTION	7.73	6.40	100.0	Yes
Structure_-(379)	JUNCTION	2.31	10.70	100.0	Yes
Structure_-(38)	JUNCTION	8.52	5.00	100.0	Yes
Structure_-(380)	JUNCTION	3.13	8.70	100.0	Yes
Structure_-(381)	JUNCTION	2.95	10.00	100.0	
Structure_-(389)	JUNCTION	11.23	5.00	100.0	Yes
Structure_-(39)	JUNCTION	8.41	7.14	100.0	Yes
Structure_-(390)	JUNCTION	11.23	5.00	100.0	Yes
Structure_-(391)	JUNCTION	10.75	5.00	100.0	Yes
Structure_-(392)	JUNCTION	6.74	8.39	100.0	Yes
Structure_-(393)	JUNCTION	5.80	9.07	100.0	Yes
Structure_-(394)	JUNCTION	4.05	10.98	100.0	Yes
Structure_-(395)	JUNCTION	2.29	10.70	100.0	Yes
Structure_-(396)	JUNCTION	11.62	5.00	100.0	Yes
Structure_-(397)	JUNCTION	8.80	5.00	100.0	Yes
Structure_-(398)	JUNCTION	6.70	5.00	100.0	Yes
Structure_-(399)	JUNCTION	7.38	5.00	100.0	Yes
Structure_-(4)	JUNCTION	6.69	6.17	100.0	Yes
Structure_-(40)	JUNCTION	8.23	6.49	100.0	Yes
Structure_-(400)	JUNCTION	7.90	5.00	100.0	Yes
Structure_-(401)	JUNCTION	9.70	5.00	100.0	Yes
Structure_-(404)	JUNCTION	11.04	5.00	100.0	Yes
Structure_-(405)	JUNCTION	11.84	5.00	100.0	Yes
Structure_-(407)	JUNCTION	8.80	5.00	100.0	Yes
Structure_-(408)	JUNCTION	9.47	5.00	100.0	Yes
Structure_-(41)	JUNCTION	6.04	8.46	100.0	Yes
Structure_-(42)	JUNCTION	6.00	8.33	100.0	Yes

Structure_-(426)	JUNCTION	6.36	5.00	100.0	Yes
Structure_-(427)	JUNCTION	5.22	6.00	100.0	Yes
Structure_-(43)	JUNCTION	5.46	6.72	100.0	Yes
Structure_-(431)	JUNCTION	-5.37	2.50	100.0	
Structure_-(432)	JUNCTION	-5.03	2.50	100.0	
Structure_-(433)	JUNCTION	-4.71	2.50	100.0	
Structure_-(434)	JUNCTION	-3.55	2.50	100.0	
Structure_-(435)	JUNCTION	-3.54	2.50	100.0	
Structure_-(44)	JUNCTION	5.22	9.29	100.0	Yes
Structure_-(446)	JUNCTION	9.97	1.67	100.0	
Structure_-(447)	JUNCTION	9.60	1.50	100.0	
Structure_-(448)	JUNCTION	9.29	1.50	100.0	
Structure_-(449)	JUNCTION	7.30	1.50	100.0	
Structure_-(45)	JUNCTION	5.18	5.00	100.0	Yes
Structure_-(450)	JUNCTION	6.70	1.50	100.0	
Structure_-(451)	JUNCTION	6.50	1.50	100.0	
Structure_-(453)	JUNCTION	3.95	5.00	100.0	
Structure_-(454)	JUNCTION	3.94	5.00	100.0	
Structure_-(455)	JUNCTION	3.93	5.00	100.0	
Structure_-(456)	JUNCTION	3.73	5.00	100.0	
Structure_-(457)	JUNCTION	3.63	5.00	100.0	
Structure_-(458)	JUNCTION	3.40	5.00	100.0	
Structure_-(459)	JUNCTION	6.67	1.67	100.0	
Structure_-(46)	JUNCTION	5.11	5.00	100.0	Yes
Structure_-(460)	JUNCTION	6.63	1.67	100.0	
Structure_-(461)	JUNCTION	6.03	1.67	100.0	
Structure_-(462)	JUNCTION	5.88	1.67	100.0	
Structure_-(463)	JUNCTION	4.13	1.67	100.0	
Structure_-(469)	JUNCTION	3.50	5.00	100.0	Yes
Structure_-(47)	JUNCTION	4.65	8.45	100.0	Yes
Structure_-(470)	JUNCTION	7.10	5.00	100.0	Yes
Structure_-(471)	JUNCTION	7.27	5.00	100.0	Yes
Structure_-(472)	JUNCTION	7.40	5.00	100.0	Yes
Structure_-(473)	JUNCTION	7.49	5.00	100.0	Yes
Structure_-(475)	JUNCTION	3.08	11.58	100.0	Yes
Structure_-(476)	JUNCTION	2.97	11.74	100.0	Yes
Structure_-(477)	JUNCTION	2.65	11.74	100.0	Yes
Structure_-(478)	JUNCTION	2.32	10.85	100.0	
Structure_-(481)	JUNCTION	4.00	5.00	100.0	
Structure_-(482)	JUNCTION	4.05	5.00	100.0	
Structure_-(483)	JUNCTION	4.10	5.00	100.0	
Structure_-(484)	JUNCTION	4.22	5.00	100.0	
Structure_-(485)	JUNCTION	4.25	5.00	100.0	
Structure_-(487)	JUNCTION	2.78	11.62	100.0	Yes
Structure_-(489)	JUNCTION	2.74	11.26	100.0	Yes
Structure_-(490)	JUNCTION	11.23	5.00	100.0	Yes
Structure_-(495)	JUNCTION	10.04	5.00	100.0	
Structure_-(5)	JUNCTION	6.37	7.65	100.0	Yes
Structure_-(50)	JUNCTION	4.20	8.20	100.0	Yes
Structure_-(502)	JUNCTION	8.46	5.00	100.0	Yes
Structure_-(503)	JUNCTION	4.71	9.38	100.0	Yes
Structure_-(51)	JUNCTION	3.94	8.28	100.0	Yes
Structure_-(52)	JUNCTION	3.72	7.10	100.0	Yes

Structure_-(53)	JUNCTION	3.71	8.45	100.0	
Structure_-(54)	JUNCTION	3.93	8.20	100.0	
Structure_-(56)	JUNCTION	9.08	5.00	100.0	Yes
Structure_-(57)	JUNCTION	9.29	5.00	100.0	Yes
Structure_-(58)	JUNCTION	9.39	5.00	100.0	Yes
Structure_-(59)	JUNCTION	9.70	5.00	100.0	Yes
Structure_-(6)	JUNCTION	5.70	5.02	100.0	Yes
Structure_-(60)	JUNCTION	9.82	5.00	100.0	Yes
Structure_-(61)	JUNCTION	9.92	5.00	100.0	Yes
Structure_-(62)	JUNCTION	10.02	5.00	100.0	Yes
Structure_-(63)	JUNCTION	10.27	5.00	100.0	Yes
Structure_-(7)	JUNCTION	5.35	5.78	100.0	Yes
Structure_-(70)	JUNCTION	8.89	5.00	100.0	Yes
Structure_-(71)	JUNCTION	10.00	5.00	100.0	Yes
Structure_-(72)	JUNCTION	10.06	5.00	100.0	Yes
Structure_-(73)	JUNCTION	10.33	5.00	100.0	Yes
Structure_-(74)	JUNCTION	10.57	5.00	100.0	Yes
Structure_-(75)	JUNCTION	10.81	5.00	100.0	Yes
Structure_-(76)	JUNCTION	11.05	5.00	100.0	Yes
Structure_-(77)	JUNCTION	11.29	5.00	100.0	Yes
Structure_-(78)	JUNCTION	11.53	5.00	100.0	Yes
Structure_-(79)	JUNCTION	8.72	5.00	100.0	Yes
Structure_-(8)	JUNCTION	5.10	8.03	100.0	Yes
Structure_-(80)	JUNCTION	9.01	5.00	100.0	Yes
Structure_-(81)	JUNCTION	9.25	5.00	100.0	Yes
Structure_-(82)	JUNCTION	9.49	5.00	100.0	Yes
Structure_-(83)	JUNCTION	9.73	5.37	100.0	Yes
Structure_-(84)	JUNCTION	9.97	5.00	100.0	Yes
Structure_-(85)	JUNCTION	10.21	5.00	100.0	Yes
Structure_-(86)	JUNCTION	7.30	5.00	100.0	Yes
Structure_-(87)	JUNCTION	7.38	5.00	100.0	Yes
Structure_-(88)	JUNCTION	7.56	5.00	100.0	Yes
Structure_-(89)	JUNCTION	7.65	5.00	100.0	Yes
Structure_-(9)	JUNCTION	4.82	8.93	100.0	Yes
Structure_-(90)	JUNCTION	7.79	5.00	100.0	Yes
Structure_-(92)	JUNCTION	8.90	5.00	100.0	Yes
Structure_-(93)	JUNCTION	9.26	5.00	100.0	Yes
Structure_-(94)	JUNCTION	9.43	5.00	100.0	Yes
Structure_-(95)	JUNCTION	9.45	5.00	100.0	Yes
Structure_-(96)	JUNCTION	9.60	5.00	100.0	Yes
Structure_-(97)	JUNCTION	9.95	5.00	100.0	Yes
Structure_-(98)	JUNCTION	10.13	5.00	100.0	Yes
Structure_-(99)	JUNCTION	10.32	5.00	100.0	
Structure520	JUNCTION	4.37	5.00	100.0	Yes
Structure521	JUNCTION	1.73	5.00	100.0	Yes
Structure522	JUNCTION	2.08	5.00	100.0	Yes
Structure587	JUNCTION	2.37	5.00	100.0	Yes
Structure593	JUNCTION	2.35	5.00	100.0	Yes
Structure602	JUNCTION	4.68	5.00	100.0	
5_Dummy_Outlet	OUTFALL	0.00	0.00	0.0	
C_Dummy_Outlet	OUTFALL	0.00	0.00	0.0	
D_Dummy_Outlet	OUTFALL	0.00	0.00	0.0	
E_Dummy_Outlet	OUTFALL	0.00	0.00	0.0	



F_Dummy_Outlet	OUTFALL	0.00	0.00	0.0
G_Dummy_Outlet	OUTFALL	0.00	0.00	0.0
H_Dummy_Outlet	OUTFALL	0.00	0.00	0.0
Outfall_002A	OUTFALL	-14.87	2.50	0.0
Outfall003	OUTFALL	-3.00	6.85	0.0
Facility77_Inlet	STORAGE	-8.05	20.47	0.0
PSC_Sump	STORAGE	0.50	17.13	0.0
RetenionPond	STORAGE	6.50	9.50	0.0

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Link Summary

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Name	From Node	To Node	Type	Length
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%Slope	Roughness				Length
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172_to_Inlet		Structure_-(172)	Facility77_Inlet	CONDUIT	1.0
505.0000	0.0120				
278_to_PS_B		Structure_-(278)	Structure602	CONDUIT	45.0
6.6422	0.0120				
381_to_PS77		Structure_-(381)	Facility77_Inlet	CONDUIT	1.0
0.1000	0.0120				
458_to_Inlet		Structure_-(458)	Facility77_Inlet	CONDUIT	1.0
-344.9600	0.0140				
469_to_Inlet		Structure_-(469)	Facility77_Inlet	CONDUIT	1.0
505.0000	0.0120				
Culvert11		Ditch9_10_11	Culvert_Ditch11	CONDUIT	40.0
0.0025	0.0240				
Culvert12		Ditch11_12	Culvert_Ditch12	CONDUIT	30.0
0.0033	0.0240				
Culvert12a		Culvert_Ditch12a	Culvert_Ditch12b	CONDUIT	30.0
0.0033	0.0240				
Culvert12c		Culvert_Ditch12c	Ditch12_18	CONDUIT	30.0
0.0033	0.0240				
Ditch_77		Structure587	Structure593	CONDUIT	173.0
0.0116	0.0250				
Ditch10		Ditch10_Inlet	Ditch9_10_11	CONDUIT	250.0
0.1840	0.0250				
Ditch11		Culvert_Ditch11	Ditch11_12	CONDUIT	90.0
0.4000	0.0250				
Ditch12		Culvert_Ditch12b	Culvert_Ditch12c	CONDUIT	260.0
0.7269	0.0250				
Ditch12a		Culvert_Ditch12	Culvert_Ditch12a	CONDUIT	110.0
0.5364	0.0250				
Ditch13		Structure521	Structure522	CONDUIT	170.0
0.0006	0.0250				
Ditch14		Structure_-(242)	Ditch14_15	CONDUIT	330.0
0.3030	0.0250				
Ditch15		Ditch14_15	Ditch15_16	CONDUIT	318.0
0.1761	0.0250				
Ditch16		Ditch15_16	Ditch16_17	CONDUIT	350.0

0.2800	0.0250					
Ditch17		Ditch16_17	Ditch17_5_6	CONDUIT		155.0
0.6065	0.0250					
Ditch18		Ditch12_18	PS004	CONDUIT		180.0
0.6333	0.0250					
Ditch2		Ditch1_2	Ditch2_3	CONDUIT		844.0
0.0001	0.0250					
Ditch3		Ditch2_3	Ditch3_Out	CONDUIT		905.0
0.1105	0.0250					
Ditch3_4		Ditch3_Out	Ditch4_Out	CONDUIT		127.0
-1.5750	0.0250					
Ditch4		Ditch4_In	Ditch4_Berm	CONDUIT		1975.0
0.0506	0.0250					
Ditch4_489		Ditch4_Out	Structure_-(489)	CONDUIT		715.0
0.0001	0.0250					
Ditch5		Ditch5_Inlet	Ditch17_5_6	CONDUIT		1015.0
0.0995	0.0250					
Ditch6		Ditch17_5_6	Ditch6_7	CONDUIT		165.0
0.0006	0.0250					
Ditch7		Ditch6_7	Ditch7_8	CONDUIT		525.0
0.1562	0.0250					
Ditch8		Ditch7_8	Outfall003	CONDUIT		183.0
0.3716	0.0250					
Ditch9		Ditch9_Inlet	Ditch9_10_11	CONDUIT		795.0
0.6440	0.0250					
Facility73_to_Pond		Structure_-(451)	RetenionPond	CONDUIT		1.0
0.1000	0.0100					
Pipe_-(1)		Structure_-(1)	Structure_-(2)	CONDUIT		56.5
0.1947	0.0120					
Pipe_-(10)		Structure_-(10)	Structure_-(503)	CONDUIT		163.2
0.0184	0.0220					
Pipe_-(10)_-(1)		Structure_-(503)	Structure602	CONDUIT		25.9
0.1159	0.0220					
Pipe_-(117)		Structure_-(123)	Structure_-(52)	CONDUIT		196.2
1.7190	0.0120					
Pipe_-(118)		Structure_-(124)	Structure_-(123)	CONDUIT		70.2
0.3420	0.0120					
Pipe_-(119)		Structure_-(125)	Structure_-(124)	CONDUIT		234.0
0.9060	0.0120					
Pipe_-(120)		Structure_-(126)	Structure_-(125)	CONDUIT		136.0
0.2206	0.0120					
Pipe_-(122)		Structure_-(128)	Structure_-(126)	CONDUIT		203.0
0.4975	0.0120					
Pipe_-(123)		Structure_-(129)	Structure_-(128)	CONDUIT		212.0
0.7925	0.0120					
Pipe_-(124)		Structure_-(130)	Structure_-(123)	CONDUIT		151.3
0.3965	0.0120					
Pipe_-(125)		Structure_-(131)	Structure_-(130)	CONDUIT		40.0
1.3001	0.0120					
Pipe_-(126)		Structure_-(132)	Structure_-(131)	CONDUIT		46.5
1.7207	0.0120					
Pipe_-(127)		Structure_-(133)	Structure_-(125)	CONDUIT		166.0
0.4819	0.0120					

Pipe_-(128)	Structure_-(134)	Structure_-(133)	CONDUIT	119.0
0.7815	0.0120			
Pipe_-(130)	Structure_-(136)	Structure_-(133)	CONDUIT	94.3
2.2159	0.0120			
Pipe_-(133)	Structure_-(139)	Structure_-(53)	CONDUIT	9.5
1.6802	0.0120			
Pipe_-(134)	Structure_-(140)	Structure_-(139)	CONDUIT	48.5
0.2062	0.0120			
Pipe_-(135)	Structure_-(141)	Structure_-(140)	CONDUIT	38.7
0.2069	0.0120			
Pipe_-(136)	Structure_-(142)	Structure_-(141)	CONDUIT	33.0
3.4645	0.0120			
Pipe_-(137)	Structure_-(143)	Structure_-(142)	CONDUIT	32.0
2.9942	0.0120			
Pipe_-(138)	Structure_-(144)	Structure_-(143)	CONDUIT	12.0
3.0005	0.0120			
Pipe_-(153)	Structure_-(161)	Structure_-(162)	CONDUIT	160.0
0.8000	0.0120			
Pipe_-(154)	Structure_-(162)	Structure_-(163)	CONDUIT	125.0
0.8240	0.0120			
Pipe_-(155)	Structure_-(163)	Structure_-(164)	CONDUIT	177.0
0.5028	0.0120			
Pipe_-(156)	Structure_-(164)	Structure_-(165)	CONDUIT	144.0
0.3333	0.0120			
Pipe_-(157)	Structure_-(165)	Structure_-(166)	CONDUIT	126.0
0.3968	0.0120			
Pipe_-(158)	Structure_-(166)	Structure_-(167)	CONDUIT	203.0
0.3498	0.0120			
Pipe_-(159)	Structure_-(167)	Structure_-(168)	CONDUIT	127.0
0.7402	0.0120			
Pipe_-(160)	Structure_-(168)	Structure_-(169)	CONDUIT	186.0
0.1989	0.0120			
Pipe_-(161)	Structure_-(169)	Structure_-(170)	CONDUIT	94.0
0.1915	0.0120			
Pipe_-(162)	Structure_-(170)	Structure_-(171)	CONDUIT	13.1
7.9514	0.0120			
Pipe_-(163)	Structure_-(171)	Structure_-(172)	CONDUIT	174.5
0.8151	0.0120			
Pipe_-(164)	Structure_-(173)	Structure_-(171)	CONDUIT	120.9
3.2200	0.0120			
Pipe_-(165)	Structure_-(174)	Structure_-(173)	CONDUIT	122.7
0.6440	0.0120			
Pipe_-(166)	Structure_-(175)	Structure_-(174)	CONDUIT	101.0
0.2575	0.0120			
Pipe_-(167)	Structure_-(176)	Structure_-(175)	CONDUIT	132.0
0.8182	0.0120			
Pipe_-(168)	Structure_-(177)	Structure_-(176)	CONDUIT	250.0
0.4000	0.0120			
Pipe_-(169)	Structure_-(178)	Structure_-(177)	CONDUIT	248.0
0.4426	0.0120			
Pipe_-(170)	Structure_-(179)	Structure_-(178)	CONDUIT	225.0
0.4444	0.0120			
Pipe_-(171)	Structure_-(180)	Structure_-(179)	CONDUIT	240.0

0.1010	0.0120				
Pipe_-(172)		Structure_-(181)	Structure_-(180)	CONDUIT	260.0
0.6308	0.0120				
Pipe_-(18)		Structure_-(19)	Structure_-(10)	CONDUIT	139.0
0.2248	0.0120				
Pipe_-(19)		Structure_-(20)	Structure_-(8)	CONDUIT	335.3
0.1998	0.0120				
Pipe_-(196)		Structure_-(205)	Structure_-(174)	CONDUIT	15.0
3.7359	0.0120				
Pipe_-(197)		Structure_-(206)	Structure_-(205)	CONDUIT	92.0
0.1957	0.0120				
Pipe_-(198)		Structure_-(207)	Structure_-(206)	CONDUIT	186.0
0.4140	0.0120				
Pipe_-(199)		Structure_-(208)	Structure_-(207)	CONDUIT	127.0
0.7402	0.0120				
Pipe_-(2)		Structure_-(2)	Structure_-(3)	CONDUIT	179.1
0.2011	0.0120				
Pipe_-(20)		Structure_-(21)	Structure_-(20)	CONDUIT	196.6
0.1984	0.0120				
Pipe_-(200)		Structure_-(209)	Structure_-(208)	CONDUIT	203.0
0.3498	0.0120				
Pipe_-(201)		Structure_-(210)	Structure_-(209)	CONDUIT	126.0
0.3571	0.0120				
Pipe_-(202)		Structure_-(211)	Structure_-(210)	CONDUIT	144.0
0.3681	0.0120				
Pipe_-(203)		Structure_-(212)	Structure_-(211)	CONDUIT	177.0
0.5028	0.0120				
Pipe_-(204)		Structure_-(213)	Structure_-(212)	CONDUIT	125.0
0.8240	0.0120				
Pipe_-(205)		Structure_-(214)	Structure_-(213)	CONDUIT	160.0
0.8000	0.0120				
Pipe_-(206)		Structure_-(215)	Structure_-(173)	CONDUIT	13.0
5.5484	0.0120				
Pipe_-(207)		Structure_-(216)	Structure_-(215)	CONDUIT	94.0
0.1915	0.0120				
Pipe_-(208)		Structure_-(217)	Structure_-(216)	CONDUIT	186.0
0.5645	0.0120				
Pipe_-(209)		Structure_-(218)	Structure_-(217)	CONDUIT	127.0
0.5039	0.0120				
Pipe_-(210)		Structure_-(219)	Structure_-(218)	CONDUIT	203.0
0.6256	0.0120				
Pipe_-(211)		Structure_-(220)	Structure_-(219)	CONDUIT	126.0
0.5079	0.0120				
Pipe_-(212)		Structure_-(221)	Structure_-(220)	CONDUIT	144.0
0.4583	0.0120				
Pipe_-(213)		Structure_-(222)	Structure_-(221)	CONDUIT	177.0
0.4181	0.0120				
Pipe_-(214)		Structure_-(223)	Structure_-(222)	CONDUIT	125.0
0.5200	0.0120				
Pipe_-(215)		Structure520	Structure_-(223)	CONDUIT	161.7
0.4994	0.0120				
Pipe_-(22)		Structure_-(23)	Structure_-(24)	CONDUIT	4.4
0.2279	0.0100				

Pipe_-(221)	Structure_-(230)	Structure_-(171)	CONDUIT	124.5
1.8642	0.0120			
Pipe_-(222)	Structure_-(231)	Structure_-(230)	CONDUIT	122.7
1.0661	0.0100			
Pipe_-(223)	Structure_-(232)	Structure_-(231)	CONDUIT	124.1
1.0558	0.0120			
Pipe_-(224)	Structure_-(233)	Structure_-(232)	CONDUIT	108.3
0.6002	0.0120			
Pipe_-(225)	Structure_-(234)	Structure_-(233)	CONDUIT	184.8
0.6995	0.0120			
Pipe_-(226)	Structure_-(235)	Structure_-(234)	CONDUIT	127.0
0.7402	0.0120			
Pipe_-(227)	Structure_-(236)	Structure_-(235)	CONDUIT	203.0
0.3498	0.0120			
Pipe_-(228)	Structure_-(237)	Structure_-(236)	CONDUIT	120.0
0.4167	0.0120			
Pipe_-(229)	Structure_-(238)	Structure_-(237)	CONDUIT	150.0
0.3200	0.0120			
Pipe_-(23)	Structure_-(24)	Structure_-(25)	CONDUIT	34.4
0.2036	0.0100			
Pipe_-(230)	Structure_-(239)	Structure_-(238)	CONDUIT	177.0
0.5028	0.0120			
Pipe_-(231)	Structure_-(240)	Structure_-(239)	CONDUIT	125.0
0.8960	0.0120			
Pipe_-(232)	Structure_-(241)	Structure_-(240)	CONDUIT	160.0
0.7438	0.0120			
Pipe_-(234)	Structure_-(243)	Structure_-(242)	CONDUIT	124.0
0.4759	0.0120			
Pipe_-(235)	Structure_-(244)	Structure_-(243)	CONDUIT	98.1
1.0605	0.0120			
Pipe_-(236)	Structure_-(245)	Structure_-(244)	CONDUIT	97.7
0.2763	0.0120			
Pipe_-(237)	Structure_-(246)	Structure_-(231)	CONDUIT	13.0
12.7170	0.0120			
Pipe_-(238)	Structure_-(247)	Structure_-(246)	CONDUIT	94.0
0.2153	0.0120			
Pipe_-(239)	Structure_-(248)	Structure_-(247)	CONDUIT	186.0
0.4140	0.0120			
Pipe_-(24)	Structure_-(25)	Structure_-(26)	CONDUIT	158.8
0.2016	0.0100			
Pipe_-(240)	Structure_-(249)	Structure_-(248)	CONDUIT	127.0
0.7402	0.0120			
Pipe_-(241)	Structure_-(250)	Structure_-(249)	CONDUIT	203.0
0.3498	0.0120			
Pipe_-(242)	Structure_-(251)	Structure_-(250)	CONDUIT	126.0
0.3968	0.0120			
Pipe_-(243)	Structure_-(252)	Structure_-(251)	CONDUIT	144.0
0.3333	0.0120			
Pipe_-(244)	Structure_-(253)	Structure_-(252)	CONDUIT	177.0
0.4859	0.0120			
Pipe_-(245)	Structure_-(254)	Structure_-(253)	CONDUIT	125.0
0.8480	0.0120			
Pipe_-(246)	Structure_-(255)	Structure_-(254)	CONDUIT	160.0

0.8000	0.0120				
Pipe_-(247)		Structure_-(256)	Structure_-(230)	CONDUIT	13.0
18.2989	0.0120				
Pipe_-(248)		Structure_-(257)	Structure_-(256)	CONDUIT	94.0
0.1915	0.0120				
Pipe_-(249)		Structure_-(258)	Structure_-(257)	CONDUIT	186.0
0.5645	0.0120				
Pipe_-(25)		Structure_-(26)	Structure_-(27)	CONDUIT	449.4
0.2003	0.0100				
Pipe_-(250)		Structure_-(259)	Structure_-(258)	CONDUIT	127.0
0.5039	0.0120				
Pipe_-(251)		Structure_-(260)	Structure_-(259)	CONDUIT	203.0
0.6256	0.0120				
Pipe_-(252)		Structure_-(261)	Structure_-(260)	CONDUIT	126.0
0.5079	0.0120				
Pipe_-(253)		Structure_-(262)	Structure_-(261)	CONDUIT	144.0
0.4583	0.0120				
Pipe_-(254)		Structure_-(263)	Structure_-(262)	CONDUIT	177.0
0.4181	0.0120				
Pipe_-(255)		Structure_-(264)	Structure_-(263)	CONDUIT	125.0
0.5200	0.0120				
Pipe_-(256)		Structure_-(265)	Structure_-(264)	CONDUIT	160.0
0.5750	0.0120				
Pipe_-(257)		Structure_-(266)	Structure_-(265)	CONDUIT	130.4
0.5062	0.0120				
Pipe_-(258)		Structure_-(267)	Structure_-(266)	CONDUIT	24.6
0.0041	0.0120				
Pipe_-(259)		Structure_-(268)	Structure_-(267)	CONDUIT	101.0
0.4754	0.0120				
Pipe_-(26)		Structure_-(27)	Structure_-(28)	CONDUIT	58.2
0.2061	0.0100				
Pipe_-(260)		Structure_-(269)	Structure_-(268)	CONDUIT	41.9
0.5256	0.0100				
Pipe_-(261)		Structure_-(270)	Structure_-(267)	CONDUIT	135.0
0.4666	0.0120				
Pipe_-(264)		Structure_-(273)	Structure_-(274)	CONDUIT	172.7
0.1450	0.0120				
Pipe_-(265)		Structure_-(274)	Structure_-(275)	CONDUIT	102.1
0.1759	0.0120				
Pipe_-(266)		Structure_-(275)	Structure_-(276)	CONDUIT	121.8
0.3940	0.0120				
Pipe_-(267)		Structure_-(276)	Structure_-(277)	CONDUIT	159.0
0.3962	0.0120				
Pipe_-(268)		Structure_-(277)	Structure_-(278)	CONDUIT	127.9
0.5550	0.0120				
Pipe_-(27)		Structure_-(28)	Structure_-(29)	CONDUIT	35.7
0.1958	0.0100				
Pipe_-(277)		Structure_-(287)	Structure_-(277)	CONDUIT	134.5
2.7665	0.0120				
Pipe_-(278)		Structure_-(288)	Structure_-(287)	CONDUIT	122.3
0.8424	0.0120				
Pipe_-(28)		Structure_-(29)	Structure_-(30)	CONDUIT	143.4
0.2022	0.0100				

Pipe_-(285)	Structure_-(490)	Structure_-(287)	CONDUIT	143.8
0.7163	0.0120			
Pipe_-(288)	Structure_-(298)	Structure_-(276)	CONDUIT	241.1
0.6884	0.0120			
Pipe_-(29)	Structure_-(30)	Structure_-(31)	CONDUIT	387.2
0.1988	0.0100			
Pipe_-(295)	Structure_-(305)	Structure_-(277)	CONDUIT	54.0
7.4465	0.0120			
Pipe_-(296)	Structure_-(306)	Structure_-(305)	CONDUIT	153.1
0.6861	0.0120			
Pipe_-(3)	Structure_-(3)	Structure_-(4)	CONDUIT	130.0
0.2000	0.0120			
Pipe_-(30)	Structure_-(31)	Structure_-(32)	CONDUIT	197.5
0.1975	0.0100			
Pipe_-(307)	CB19	Structure_-(319)	CONDUIT	171.0
0.1755	0.0120			
Pipe_-(308)	Structure_-(319)	Structure_-(320)	CONDUIT	90.0
0.1667	0.0120			
Pipe_-(309)	Structure_-(320)	CB22	CONDUIT	88.1
0.1590	0.0120			
Pipe_-(31)	Structure_-(32)	Structure_-(33)	CONDUIT	99.5
0.2010	0.0100			
Pipe_-(310)	CB22	SDMH539	CONDUIT	153.2
1.0722	0.0120			
Pipe_-(311)	SDMH539	SDCB6003	CONDUIT	236.8
0.5913	0.0120			
Pipe_-(312)	SDCB6003	SDMH297	CONDUIT	178.1
0.2527	0.0120			
Pipe_-(313)	Structure_-(325)	Structure_-(319)	CONDUIT	155.6
0.0434	0.0120			
Pipe_-(314)	Structure_-(326)	Structure_-(325)	CONDUIT	112.8
1.0397	0.0120			
Pipe_-(319)	Structure_-(331)	Structure_-(319)	CONDUIT	70.0
3.6596	0.0100			
Pipe_-(32)	Structure_-(33)	Structure_-(34)	CONDUIT	379.9
0.2001	0.0100			
Pipe_-(320)	Structure_-(332)	Structure_-(320)	CONDUIT	60.0
4.7721	0.0100			
Pipe_-(321)	Structure_-(333)	CB22	CONDUIT	42.0
3.3352	0.0120			
Pipe_-(322)	CB30	Structure_-(333)	CONDUIT	89.0
0.5056	0.0120			
Pipe_-(323)	CB31	CB30	CONDUIT	185.0
0.1243	0.0120			
Pipe_-(327)	SDCB541	CB22	CONDUIT	38.0
0.2306	0.0120			
Pipe_-(328)	SDCB543	SDCB541	CONDUIT	143.6
0.6615	0.0120			
Pipe_-(329)	Structure_-(341)	SDCB543	CONDUIT	100.2
1.3780	0.0120			
Pipe_-(33)	Structure_-(34)	Structure_-(35)	CONDUIT	649.8
0.2001	0.0100			
Pipe_-(331)	SDMH538	SDMH539	CONDUIT	41.1

2.1925	0.0120				
Pipe_-(333)		SDMH540	SDMH539	CONDUIT	44.2
0.0906	0.0100				
Pipe_-(334)		CB33	SDMH540	CONDUIT	83.8
3.0348	0.0100				
Pipe_-(337)		SDMH299	SDMH297	CONDUIT	30.6
0.0654	0.0220				
Pipe_-(338)		Structure522	SDMH299	CONDUIT	222.9
0.0774	0.0220				
Pipe_-(34)		Structure_-(35)	Structure_-(56)	CONDUIT	98.9
0.2023	0.0100				
Pipe_-(340)		SDCB6005	SDCB6003	CONDUIT	185.6
3.1111	0.0100				
Pipe_-(35)		Structure_-(56)	Structure_-(37)	CONDUIT	137.2
0.1967	0.0120				
Pipe_-(358)		Structure_-(371)	Structure_-(370)	CONDUIT	36.6
0.4855	0.0100				
Pipe_-(359)		Structure_-(372)	Structure_-(371)	CONDUIT	689.8
0.3001	0.0100				
Pipe_-(36)		Structure_-(37)	Structure_-(38)	CONDUIT	146.8
0.1976	0.0120				
Pipe_-(360)		Structure_-(370)	Structure_-(373)	CONDUIT	34.4
0.2395	0.0100				
Pipe_-(361)		Structure_-(374)	Structure_-(375)	CONDUIT	42.5
0.6940	0.0100				
Pipe_-(362)		Structure_-(375)	Structure_-(376)	CONDUIT	27.3
0.8805	0.0100				
Pipe_-(363)		Structure_-(376)	Structure_-(377)	CONDUIT	46.1
0.6508	0.0100				
Pipe_-(364)		Structure_-(377)	Structure_-(378)	CONDUIT	69.7
0.5312	0.0100				
Pipe_-(365)		Structure_-(378)	Structure_-(379)	CONDUIT	62.4
6.6209	0.0100				
Pipe_-(366)		Structure_-(379)	Structure_-(380)	CONDUIT	115.7
-0.6657	0.0120				
Pipe_-(367)		Structure_-(380)	Structure_-(381)	CONDUIT	75.7
0.2377	0.0120				
Pipe_-(369)		Structure_-(502)	Structure_-(379)	CONDUIT	25.0
15.5846	0.0100				
Pipe_-(37)		Structure_-(38)	Structure_-(39)	CONDUIT	56.8
0.1937	0.0120				
Pipe_-(370)		Structure_-(478)	Structure_-(379)	CONDUIT	133.0
0.0075	0.0120				
Pipe_-(374)		Structure_-(389)	Structure_-(390)	CONDUIT	139.2
0.0007	0.0220				
Pipe_-(375)		Structure_-(390)	Structure_-(391)	CONDUIT	166.0
0.2892	0.0220				
Pipe_-(376)		Structure_-(396)	Structure_-(391)	CONDUIT	90.0
0.9667	0.0220				
Pipe_-(377)		Structure_-(392)	Structure_-(393)	CONDUIT	116.8
0.8052	0.0120				
Pipe_-(378)		Structure_-(393)	Structure_-(394)	CONDUIT	88.4
2.2076	0.0120				



Pipe_-(379)	Structure_-(394)	Structure_-(395)	CONDUIT	79.8
2.2051	0.0120			
Pipe_-(38)	Structure_-(39)	Structure_-(40)	CONDUIT	89.7
0.1981	0.0120			
Pipe_-(380)	Structure_-(391)	Structure_-(392)	CONDUIT	63.5
6.3263	0.0220			
Pipe_-(381)	Structure_-(397)	Structure_-(393)	CONDUIT	15.5
8.4382	0.0100			
Pipe_-(382)	Structure_-(398)	Structure_-(393)	CONDUIT	53.2
1.6905	0.0100			
Pipe_-(383)	Structure_-(399)	Structure_-(398)	CONDUIT	40.0
1.7002	0.0100			
Pipe_-(384)	Structure_-(400)	Structure_-(393)	CONDUIT	79.0
1.1395	0.0100			
Pipe_-(385)	Structure_-(401)	Structure_-(400)	CONDUIT	109.0
1.1923	0.0100			
Pipe_-(386)	Structure_-(404)	Structure_-(401)	CONDUIT	67.7
1.6840	0.0100			
Pipe_-(387)	Structure_-(405)	Structure_-(404)	CONDUIT	40.0
2.0004	0.0100			
Pipe_-(389)	Structure_-(407)	Structure_-(394)	CONDUIT	17.5
16.2439	0.0100			
Pipe_-(39)	Structure_-(40)	Structure_-(41)	CONDUIT	115.8
1.8909	0.0120			
Pipe_-(390)	Structure_-(96)	Structure_-(408)	CONDUIT	43.9
0.2909	0.0120			
Pipe_-(4)	Structure_-(4)	Structure_-(5)	CONDUIT	160.9
0.1989	0.0120			
Pipe_-(40)	Structure_-(41)	Structure_-(42)	CONDUIT	40.0
0.0999	0.0120			
Pipe_-(404)	Structure_-(426)	Structure593	CONDUIT	104.4
3.8451	0.0120			
Pipe_-(405)	Structure_-(427)	Structure_-(426)	CONDUIT	62.6
0.4152	0.0120			
Pipe_-(408)	Structure_-(431)	Outfall_002A	CONDUIT	950.0
1.0001	0.0100			
Pipe_-(409)	Structure_-(432)	Structure_-(431)	CONDUIT	68.3
0.4978	0.0100			
Pipe_-(41)	Structure_-(42)	Structure_-(43)	CONDUIT	199.0
0.2726	0.0120			
Pipe_-(410)	Structure_-(433)	Structure_-(432)	CONDUIT	62.9
0.5084	0.0100			
Pipe_-(411)	Structure_-(434)	Structure_-(433)	CONDUIT	230.9
0.5024	0.0100			
Pipe_-(412)	Structure_-(435)	Structure_-(434)	CONDUIT	2.7
0.3663	0.0100			
Pipe_-(42)	Structure_-(43)	Structure_-(44)	CONDUIT	122.0
0.1967	0.0120			
Pipe_-(423)	Structure_-(446)	Structure_-(447)	CONDUIT	73.6
0.5030	0.0100			
Pipe_-(424)	Structure_-(447)	Structure_-(448)	CONDUIT	63.1
0.4916	0.0100			
Pipe_-(425)	Structure_-(448)	Structure_-(449)	CONDUIT	396.9

0.5014	0.0100				
Pipe_-(426)		Structure_-(449)	Structure_-(450)	CONDUIT	119.9
0.5003	0.0100				
Pipe_-(427)		Structure_-(450)	Structure_-(451)	CONDUIT	41.3
0.4839	0.0100				
Pipe_-(429)		Structure_-(453)	Structure_-(454)	CONDUIT	11.8
0.0424	0.0100				
Pipe_-(43)		Structure_-(44)	Structure_-(45)	CONDUIT	19.0
0.2105	0.0120				
Pipe_-(430)		Structure_-(454)	Structure_-(455)	CONDUIT	27.1
0.0479	0.0100				
Pipe_-(431)		Structure_-(455)	Structure_-(456)	CONDUIT	161.9
0.1236	0.0100				
Pipe_-(432)		Structure_-(456)	Structure_-(457)	CONDUIT	40.0
0.2548	0.0140				
Pipe_-(433)		Structure_-(457)	Structure_-(458)	CONDUIT	167.8
0.1375	0.0140				
Pipe_-(434)		Facility77_PS	Structure_-(459)	CONDUIT	325.4
0.5010	0.0140				
Pipe_-(435)		Structure_-(459)	Structure_-(460)	CONDUIT	8.3
0.4844	0.0140				
Pipe_-(436)		Structure_-(460)	Structure_-(461)	CONDUIT	100.1
0.5992	0.0140				
Pipe_-(437)		Structure_-(461)	Structure_-(462)	CONDUIT	31.1
0.4828	0.0140				
Pipe_-(438)		Structure_-(462)	Structure_-(463)	CONDUIT	349.4
0.5009	0.0140				
Pipe_-(439)		Structure_-(463)	Structure_-(446)	CONDUIT	7.0
-154.9749	0.0140				
Pipe_-(44)		Structure_-(45)	Structure_-(46)	CONDUIT	34.0
0.2059	0.0120				
Pipe_-(443)		Structure_-(470)	Structure_-(469)	CONDUIT	101.0
3.5720	0.0120				
Pipe_-(444)		Structure_-(471)	Structure_-(470)	CONDUIT	38.1
0.4466	0.0120				
Pipe_-(445)		Structure_-(472)	Structure_-(471)	CONDUIT	26.9
0.4826	0.0120				
Pipe_-(446)		Structure_-(473)	Structure_-(472)	CONDUIT	17.0
0.5153	0.0120				
Pipe_-(447)		Structure_-(475)	Structure_-(476)	CONDUIT	23.2
0.4732	0.0100				
Pipe_-(448)		Structure_-(476)	Structure_-(477)	CONDUIT	64.1
0.4993	0.0100				
Pipe_-(449)		Structure_-(477)	Structure_-(478)	CONDUIT	65.6
0.5027	0.0100				
Pipe_-(45)		Structure_-(46)	Structure_-(47)	CONDUIT	102.3
0.4498	0.0240				
Pipe_-(450)		Structure593	Structure_-(478)	CONDUIT	68.2
0.0440	0.0120				
Pipe_-(452)		Structure_-(481)	Structure_-(453)	CONDUIT	1398.0
0.0036	0.0100				
Pipe_-(453)		Structure_-(482)	Structure_-(481)	CONDUIT	89.7
0.0558	0.0100				

Pipe_-(454)	Structure_-(483)	Structure_-(482)	CONDUIT	107.6
0.0465	0.0100			
Pipe_-(455)	Structure_-(484)	Structure_-(483)	CONDUIT	26.5
0.4524	0.0100			
Pipe_-(456)	Structure_-(485)	Structure_-(484)	CONDUIT	20.4
0.1473	0.0100			
Pipe_-(460)	Structure_-(487)	Structure_-(477)	CONDUIT	26.7
0.4866	0.0100			
Pipe_-(461)	Structure_-(395)	Structure587	CONDUIT	54.5
0.0018	0.0240			
Pipe_-(462)	Structure_-(489)	Structure_-(395)	CONDUIT	49.0
0.9193	0.0240			
Pipe_-(467)	SDMH297	SDMH301	CONDUIT	257.0
0.0700	0.0120			
Pipe_-(47)	Structure_-(47)	Structure_-(50)	CONDUIT	73.5
0.6123	0.0220			
Pipe_-(474)	Structure_-(98)	Structure_-(495)	CONDUIT	29.9
0.3010	0.0120			
Pipe_-(49)	Structure_-(50)	Structure_-(51)	CONDUIT	84.8
0.3065	0.0220			
Pipe_-(5)	Structure_-(5)	Structure_-(6)	CONDUIT	336.7
0.1990	0.0120			
Pipe_-(50)	Structure_-(51)	Structure_-(52)	CONDUIT	103.2
0.2132	0.0220			
Pipe_-(51)	Structure_-(52)	Structure_-(53)	CONDUIT	143.4
0.0070	0.0220			
Pipe_-(52)	Structure_-(53)	Structure_-(54)	CONDUIT	210.5
0.0131	0.0120			
Pipe_-(53)	Structure_-(54)	Facility77_Inlet	CONDUIT	122.3
0.3126	0.0220			
Pipe_-(54)	Structure_-(57)	Structure_-(56)	CONDUIT	105.3
0.1995	0.0120			
Pipe_-(55)	Structure_-(58)	Structure_-(57)	CONDUIT	51.9
0.1927	0.0120			
Pipe_-(56)	Structure_-(59)	Structure_-(58)	CONDUIT	154.5
0.2006	0.0120			
Pipe_-(57)	Structure_-(60)	Structure_-(59)	CONDUIT	60.0
0.2000	0.0120			
Pipe_-(58)	Structure_-(61)	Structure_-(60)	CONDUIT	48.0
0.2083	0.0120			
Pipe_-(59)	Structure_-(62)	Structure_-(61)	CONDUIT	50.4
0.1983	0.0120			
Pipe_-(6)	Structure_-(6)	Structure_-(7)	CONDUIT	172.8
0.2012	0.0120			
Pipe_-(60)	Structure_-(63)	Structure_-(62)	CONDUIT	125.3
0.1995	0.0120			
Pipe_-(65)	Structure_-(70)	Structure_-(37)	CONDUIT	40.0
0.1999	0.0120			
Pipe_-(66)	Structure_-(71)	Structure_-(70)	CONDUIT	54.1
2.0504	0.0120			
Pipe_-(67)	Structure_-(72)	Structure_-(71)	CONDUIT	30.2
0.1988	0.0120			
Pipe_-(68)	Structure_-(73)	Structure_-(72)	CONDUIT	134.3

0.2011	0.0120	Pipe_-(69)	Structure_-(74)	Structure_-(73)	CONDUIT	120.0
0.2000	0.0120	Pipe_-(7)	Structure_-(7)	Structure_-(8)	CONDUIT	122.8
0.2056	0.0140	Pipe_-(70)	Structure_-(75)	Structure_-(74)	CONDUIT	120.0
0.2000	0.0120	Pipe_-(71)	Structure_-(76)	Structure_-(75)	CONDUIT	120.0
0.2000	0.0120	Pipe_-(72)	Structure_-(77)	Structure_-(76)	CONDUIT	120.0
0.2000	0.0120	Pipe_-(73)	Structure_-(78)	Structure_-(77)	CONDUIT	120.0
0.2000	0.0120	Pipe_-(74)	Structure_-(79)	Structure_-(38)	CONDUIT	104.5
0.1913	0.0120	Pipe_-(75)	Structure_-(80)	Structure_-(79)	CONDUIT	143.3
0.2024	0.0120	Pipe_-(76)	Structure_-(81)	Structure_-(80)	CONDUIT	120.0
0.2000	0.0120	Pipe_-(77)	Structure_-(82)	Structure_-(81)	CONDUIT	120.0
0.2000	0.0120	Pipe_-(78)	Structure_-(83)	Structure_-(82)	CONDUIT	120.0
0.2000	0.0120	Pipe_-(79)	Structure_-(84)	Structure_-(83)	CONDUIT	120.0
0.2000	0.0120	Pipe_-(8)	Structure_-(8)	Structure_-(9)	CONDUIT	138.0
0.2029	0.0140	Pipe_-(80)	Structure_-(85)	Structure_-(84)	CONDUIT	120.0
0.2000	0.0120	Pipe_-(81)	Structure_-(86)	Structure_-(42)	CONDUIT	73.5
3.1325	0.0120	Pipe_-(82)	Structure_-(87)	Structure_-(86)	CONDUIT	22.4
0.3571	0.0120	Pipe_-(83)	Structure_-(88)	Structure_-(87)	CONDUIT	47.0
0.3830	0.0120	Pipe_-(84)	Structure_-(89)	Structure_-(88)	CONDUIT	27.4
0.3283	0.0120	Pipe_-(85)	Structure_-(90)	Structure_-(89)	CONDUIT	102.0
0.1349	0.0120	Pipe_-(87)	Structure_-(92)	Structure_-(90)	CONDUIT	49.7
2.2385	0.0120	Pipe_-(88)	Structure_-(93)	Structure_-(92)	CONDUIT	74.6
0.4824	0.0120	Pipe_-(89)	Structure_-(94)	Structure_-(93)	CONDUIT	42.4
0.4011	0.0120	Pipe_-(9)	Structure_-(9)	Structure_-(10)	CONDUIT	265.4
0.0301	0.0140	Pipe_-(90)	Structure_-(95)	Structure_-(94)	CONDUIT	16.9
0.1040	0.0120	Pipe_-(91)	Structure_-(408)	Structure_-(95)	CONDUIT	30.5
0.0735	0.0120	Pipe_-(92)	Structure_-(97)	Structure_-(96)	CONDUIT	118.4
0.2957	0.0120					

Pipe_-(93)	Structure_-(495)	Structure_-(97)	CONDUIT	29.5
0.3049	0.0120			
Pipe_-(94)	Structure_-(99)	Structure_-(98)	CONDUIT	63.1
0.3013	0.0120			
Pipe_-(95)	Structure_-(100)	Structure_-(99)	CONDUIT	98.8
0.3036	0.0120			
Pipe_-(96)	Structure_-(101)	Structure_-(100)	CONDUIT	16.8
0.2977	0.0120			
Pipe_-(97)	Structure_-(102)	Structure_-(99)	CONDUIT	59.7
0.3017	0.0120			
Pipe_PS_A	Structure_-(373)	Structure_-(485)	CONDUIT	10.0
42.3538	0.0100			
Pipe_PS_B	Structure602	Structure_-(47)	CONDUIT	280.0
0.0107	0.0140			
Pipe468	SDMH301	Ditch5_Inlet	CONDUIT	77.0
0.0649	0.0120			
Pipe483	SDCB294	Structure521	CONDUIT	80.1
0.9983	0.0120			
PSC_Overflow	PSC_Sump	Structure_-(489)	CONDUIT	142.0
6.5350	0.0220			
PSC_to_Outfall	PSC_Outlet	Structure_-(435)	CONDUIT	600.0
2.5075	0.0100			
004Pump1	PS004	Structure_-(23)	TYPE3 PUMP	
77Pump1	Facility77_Inlet	Facility77_PS	TYPE3 PUMP	
77Pump2	Facility77_Inlet	Facility77_PS	TYPE3 PUMP	
CPump1	PSC_Sump	PSC_Outlet	TYPE3 PUMP	
CPump2	PSC_Sump	PSC_Outlet	TYPE3 PUMP	
Ditch4_Connection	Ditch4_Berm	Ditch4_Out	WEIR	
PondOutlet	RetenionPond	PSC_Sump	OUTLET	

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Cross Section Summary

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of	Full		Full	Full	Hyd.	Max.	No.
Barrels	Conduit	Shape	Depth	Area	Rad.	Width	
	Flow						
1	172_to_Inlet	CIRCULAR	4.00	12.57	1.00	4.00	
	3496.98						
1	278_to_PS_B	CIRCULAR	2.25	3.98	0.56	2.25	
	86.47						
1	381_to_PS77	RECT_CLOSED	3.00	51.90	1.28	17.30	
	239.39						
1	458_to_Inlet	CIRCULAR	1.67	2.18	0.42	1.67	
	239.93						
1	469_to_Inlet	CIRCULAR	2.00	3.14	0.50	2.00	
	550.74						
1	Culvert11	CIRCULAR	1.00	0.79	0.25	1.00	
	0.10						

1	Culvert12 0.11	CIRCULAR	1.00	0.79	0.25	1.00
2	Culvert12a 0.33	CIRCULAR	1.50	1.77	0.38	1.50
1	Culvert12c 2.09	CIRCULAR	3.00	7.07	0.75	3.00
1	Ditch_77 22.12	TRAPEZOIDAL	1.30	36.54	0.92	39.42
1	Ditch10 97.22	TRAPEZOIDAL	2.60	28.99	1.51	18.30
1	Ditch11 155.02	TRAPEZOIDAL	1.90	32.40	1.44	21.80
1	Ditch12 258.40	TRAPEZOIDAL	2.90	40.37	1.42	27.84
1	Ditch12a 335.14	TRAPEZOIDAL	4.00	43.20	2.38	11.60
1	Ditch13 11.33	TRAPEZOIDAL	2.60	52.78	1.82	28.10
1	Ditch14 113.27	TRAPEZOIDAL	1.30	36.54	0.92	39.42
1	Ditch15 19.92	TRAPEZOIDAL	1.30	10.73	0.64	16.51
1	Ditch16 120.37	TRAPEZOIDAL	1.90	39.71	0.95	41.80
1	Ditch17 340.31	TRAPEZOIDAL	3.40	43.86	2.17	18.00
1	Ditch18 281.37	TRAPEZOIDAL	3.20	39.04	1.88	19.40
1	Ditch2 46.09	TRAPEZOIDAL	5.50	303.88	3.59	83.30
1	Ditch3 1449.75	TRAPEZOIDAL	10.00	250.00	5.03	45.00
1	Ditch3_4 2070.62	TRAPEZOIDAL	3.60	144.00	2.68	52.60
1	Ditch4 3353.86	TRAPEZOIDAL	10.00	700.00	6.78	100.00
1	Ditch4_489 87.88	TRAPEZOIDAL	11.00	374.00	6.11	56.00
1	Ditch5 420.61	TRAPEZOIDAL	4.90	104.86	3.13	31.20
1	Ditch6 55.49	TRAPEZOIDAL	7.00	152.95	3.90	35.85
1	Ditch7 713.90	TRAPEZOIDAL	6.00	130.80	3.54	34.10
1	Ditch8 917.65	TRAPEZOIDAL	6.85	117.31	3.17	34.25
1	Ditch9 373.61	TRAPEZOIDAL	2.50	59.06	1.53	38.25
	Facility73_to_Pond	FORCE_MAIN	1.33	1.40	0.33	1.33
1	Pipe_-(1) 5.02	CIRCULAR	1.50	1.77	0.38	1.50
	Pipe_-(10)	CIRCULAR	3.00	7.07	0.75	3.00

1	5.34					
	Pipe_-(10)-(1)	CIRCULAR	3.00	7.07	0.75	3.00
1	13.42					
	Pipe_-(117)	CIRCULAR	1.75	2.41	0.44	1.75
1	22.51					
	Pipe_-(118)	CIRCULAR	1.75	2.41	0.44	1.75
1	10.04					
	Pipe_-(119)	CIRCULAR	1.75	2.41	0.44	1.75
1	16.34					
	Pipe_-(120)	CIRCULAR	1.25	1.23	0.31	1.25
1	3.29					
	Pipe_-(122)	CIRCULAR	1.25	1.23	0.31	1.25
1	4.94					
	Pipe_-(123)	CIRCULAR	1.00	0.79	0.25	1.00
1	3.44					
	Pipe_-(124)	CIRCULAR	1.00	0.79	0.25	1.00
1	2.43					
	Pipe_-(125)	CIRCULAR	1.00	0.79	0.25	1.00
1	4.40					
	Pipe_-(126)	CIRCULAR	1.00	0.79	0.25	1.00
1	5.06					
	Pipe_-(127)	CIRCULAR	1.25	1.23	0.31	1.25
1	4.86					
	Pipe_-(128)	CIRCULAR	1.00	0.79	0.25	1.00
1	3.41					
	Pipe_-(130)	CIRCULAR	1.00	0.79	0.25	1.00
1	5.75					
	Pipe_-(133)	CIRCULAR	1.00	0.79	0.25	1.00
1	5.00					
	Pipe_-(134)	CIRCULAR	1.00	0.79	0.25	1.00
1	1.75					
	Pipe_-(135)	CIRCULAR	1.00	0.79	0.25	1.00
1	1.76					
	Pipe_-(136)	CIRCULAR	1.00	0.79	0.25	1.00
1	7.18					
	Pipe_-(137)	CIRCULAR	1.00	0.79	0.25	1.00
1	6.68					
	Pipe_-(138)	CIRCULAR	1.00	0.79	0.25	1.00
1	6.69					
	Pipe_-(153)	CIRCULAR	1.00	0.79	0.25	1.00
1	3.45					
	Pipe_-(154)	CIRCULAR	1.25	1.23	0.31	1.25
1	6.35					
	Pipe_-(155)	CIRCULAR	1.50	1.77	0.38	1.50
1	8.07					
	Pipe_-(156)	CIRCULAR	1.75	2.41	0.44	1.75
1	9.91					
	Pipe_-(157)	CIRCULAR	1.75	2.41	0.44	1.75
1	10.81					
	Pipe_-(158)	CIRCULAR	1.75	2.41	0.44	1.75
1	10.15					
	Pipe_-(159)	CIRCULAR	1.75	2.41	0.44	1.75
1	14.77					

1	Pipe_-(160)	CIRCULAR	2.00	3.14	0.50	2.00
	10.93					
1	Pipe_-(161)	CIRCULAR	2.00	3.14	0.50	2.00
	10.72					
1	Pipe_-(162)	CIRCULAR	2.00	3.14	0.50	2.00
	69.11					
1	Pipe_-(163)	CIRCULAR	4.00	12.57	1.00	4.00
	140.50					
1	Pipe_-(164)	CIRCULAR	2.75	5.94	0.69	2.75
	102.81					
1	Pipe_-(165)	CIRCULAR	2.00	3.14	0.50	2.00
	19.67					
1	Pipe_-(166)	CIRCULAR	1.50	1.77	0.38	1.50
	5.77					
1	Pipe_-(167)	CIRCULAR	1.50	1.77	0.38	1.50
	10.29					
1	Pipe_-(168)	CIRCULAR	1.50	1.77	0.38	1.50
	7.20					
1	Pipe_-(169)	CIRCULAR	1.50	1.77	0.38	1.50
	7.57					
1	Pipe_-(170)	CIRCULAR	1.25	1.23	0.31	1.25
	4.67					
1	Pipe_-(171)	CIRCULAR	1.25	1.23	0.31	1.25
	2.22					
1	Pipe_-(172)	CIRCULAR	1.00	0.79	0.25	1.00
	3.07					
1	Pipe_-(18)	CIRCULAR	1.75	2.41	0.44	1.75
	8.14					
1	Pipe_-(19)	CIRCULAR	1.50	1.77	0.38	1.50
	5.09					
1	Pipe_-(196)	CIRCULAR	2.00	3.14	0.50	2.00
	47.37					
1	Pipe_-(197)	CIRCULAR	2.00	3.14	0.50	2.00
	10.84					
1	Pipe_-(198)	CIRCULAR	2.00	3.14	0.50	2.00
	15.77					
1	Pipe_-(199)	CIRCULAR	1.75	2.41	0.44	1.75
	14.77					
1	Pipe_-(2)	CIRCULAR	1.50	1.77	0.38	1.50
	5.10					
1	Pipe_-(20)	CIRCULAR	1.50	1.77	0.38	1.50
	5.07					
1	Pipe_-(200)	CIRCULAR	1.75	2.41	0.44	1.75
	10.15					
1	Pipe_-(201)	CIRCULAR	1.75	2.41	0.44	1.75
	10.26					
1	Pipe_-(202)	CIRCULAR	1.75	2.41	0.44	1.75
	10.41					
1	Pipe_-(203)	CIRCULAR	1.50	1.77	0.38	1.50
	8.07					
1	Pipe_-(204)	CIRCULAR	1.25	1.23	0.31	1.25
	6.35					
1	Pipe_-(205)	CIRCULAR	1.00	0.79	0.25	1.00



1	3.45					
	Pipe_-(206)	CIRCULAR	2.00	3.14	0.50	2.00
1	57.73					
	Pipe_-(207)	CIRCULAR	2.00	3.14	0.50	2.00
1	10.72					
	Pipe_-(208)	CIRCULAR	2.00	3.14	0.50	2.00
1	18.41					
	Pipe_-(209)	CIRCULAR	2.00	3.14	0.50	2.00
1	17.40					
	Pipe_-(210)	CIRCULAR	1.75	2.41	0.44	1.75
1	13.58					
	Pipe_-(211)	CIRCULAR	1.75	2.41	0.44	1.75
1	12.23					
	Pipe_-(212)	CIRCULAR	1.75	2.41	0.44	1.75
1	11.62					
	Pipe_-(213)	CIRCULAR	1.75	2.41	0.44	1.75
1	11.10					
	Pipe_-(214)	CIRCULAR	1.50	1.77	0.38	1.50
1	8.21					
	Pipe_-(215)	CIRCULAR	1.25	1.23	0.31	1.25
1	4.95					
	Pipe_-(22)	FORCE_MAIN	0.25	0.05	0.06	0.25
1	0.05					
	Pipe_-(221)	CIRCULAR	3.00	7.07	0.75	3.00
1	98.66					
	Pipe_-(222)	CIRCULAR	2.50	4.91	0.63	2.50
1	55.06					
	Pipe_-(223)	CIRCULAR	2.00	3.14	0.50	2.00
1	25.18					
	Pipe_-(224)	CIRCULAR	2.00	3.14	0.50	2.00
1	18.99					
	Pipe_-(225)	CIRCULAR	2.00	3.14	0.50	2.00
1	20.50					
	Pipe_-(226)	CIRCULAR	1.75	2.41	0.44	1.75
1	14.77					
	Pipe_-(227)	CIRCULAR	1.75	2.41	0.44	1.75
1	10.15					
	Pipe_-(228)	CIRCULAR	1.75	2.41	0.44	1.75
1	11.08					
	Pipe_-(229)	CIRCULAR	1.75	2.41	0.44	1.75
1	9.71					
	Pipe_-(23)	FORCE_MAIN	0.50	0.20	0.13	0.50
1	0.29					
	Pipe_-(230)	CIRCULAR	1.50	1.77	0.38	1.50
1	8.07					
	Pipe_-(231)	CIRCULAR	1.25	1.23	0.31	1.25
1	6.62					
	Pipe_-(232)	CIRCULAR	1.00	0.79	0.25	1.00
1	3.33					
	Pipe_-(234)	CIRCULAR	1.50	1.77	0.38	1.50
1	7.85					
	Pipe_-(235)	CIRCULAR	1.50	1.77	0.38	1.50
1	11.72					

1	Pipe_-(236)	CIRCULAR	1.50	1.77	0.38	1.50
	5.98					
1	Pipe_-(237)	CIRCULAR	2.00	3.14	0.50	2.00
	87.40					
1	Pipe_-(238)	CIRCULAR	2.00	3.14	0.50	2.00
	11.37					
1	Pipe_-(239)	CIRCULAR	2.00	3.14	0.50	2.00
	15.77					
1	Pipe_-(24)	FORCE_MAIN	0.50	0.20	0.13	0.50
	0.29					
1	Pipe_-(240)	CIRCULAR	1.75	2.41	0.44	1.75
	14.77					
1	Pipe_-(241)	CIRCULAR	1.75	2.41	0.44	1.75
	10.15					
1	Pipe_-(242)	CIRCULAR	1.75	2.41	0.44	1.75
	10.81					
1	Pipe_-(243)	CIRCULAR	1.75	2.41	0.44	1.75
	9.91					
1	Pipe_-(244)	CIRCULAR	1.50	1.77	0.38	1.50
	7.93					
1	Pipe_-(245)	CIRCULAR	1.25	1.23	0.31	1.25
	6.44					
1	Pipe_-(246)	CIRCULAR	1.00	0.79	0.25	1.00
	3.45					
1	Pipe_-(247)	CIRCULAR	2.00	3.14	0.50	2.00
	104.84					
1	Pipe_-(248)	CIRCULAR	2.00	3.14	0.50	2.00
	10.72					
1	Pipe_-(249)	CIRCULAR	2.00	3.14	0.50	2.00
	18.41					
1	Pipe_-(25)	FORCE_MAIN	0.50	0.20	0.13	0.50
	0.29					
1	Pipe_-(250)	CIRCULAR	2.00	3.14	0.50	2.00
	17.40					
1	Pipe_-(251)	CIRCULAR	1.75	2.41	0.44	1.75
	13.58					
1	Pipe_-(252)	CIRCULAR	1.75	2.41	0.44	1.75
	12.23					
1	Pipe_-(253)	CIRCULAR	1.75	2.41	0.44	1.75
	11.62					
1	Pipe_-(254)	CIRCULAR	1.75	2.41	0.44	1.75
	11.10					
1	Pipe_-(255)	CIRCULAR	1.50	1.77	0.38	1.50
	8.21					
1	Pipe_-(256)	CIRCULAR	1.25	1.23	0.31	1.25
	5.31					
1	Pipe_-(257)	CIRCULAR	1.00	0.79	0.25	1.00
	2.75					
1	Pipe_-(258)	CIRCULAR	1.00	0.79	0.25	1.00
	0.25					
1	Pipe_-(259)	CIRCULAR	1.00	0.79	0.25	1.00
	2.66					
1	Pipe_-(26)	FORCE_MAIN	0.50	0.20	0.13	0.50

1	0.30					
	Pipe_-(260)	CIRCULAR	0.50	0.20	0.13	0.50
1	0.53					
	Pipe_-(261)	CIRCULAR	1.00	0.79	0.25	1.00
1	2.64					
	Pipe_-(264)	CIRCULAR	1.25	1.23	0.31	1.25
1	2.66					
	Pipe_-(265)	CIRCULAR	1.50	1.77	0.38	1.50
1	4.77					
	Pipe_-(266)	CIRCULAR	1.50	1.77	0.38	1.50
1	7.14					
	Pipe_-(267)	CIRCULAR	2.00	3.14	0.50	2.00
1	15.43					
	Pipe_-(268)	CIRCULAR	2.25	3.98	0.56	2.25
1	25.00					
	Pipe_-(27)	FORCE_MAIN	0.50	0.20	0.13	0.50
1	0.29					
	Pipe_-(277)	CIRCULAR	1.25	1.23	0.31	1.25
1	11.64					
	Pipe_-(278)	CIRCULAR	1.00	0.79	0.25	1.00
1	3.54					
	Pipe_-(28)	FORCE_MAIN	0.50	0.20	0.13	0.50
1	0.29					
	Pipe_-(285)	CIRCULAR	1.00	0.79	0.25	1.00
1	3.27					
	Pipe_-(288)	CIRCULAR	1.75	2.41	0.44	1.75
1	14.24					
	Pipe_-(29)	FORCE_MAIN	0.50	0.20	0.13	0.50
1	0.29					
	Pipe_-(295)	CIRCULAR	1.00	0.79	0.25	1.00
1	10.53					
	Pipe_-(296)	CIRCULAR	1.00	0.79	0.25	1.00
1	3.20					
	Pipe_-(3)	CIRCULAR	1.50	1.77	0.38	1.50
1	5.09					
	Pipe_-(30)	FORCE_MAIN	0.50	0.20	0.13	0.50
1	0.29					
	Pipe_-(307)	CIRCULAR	1.50	1.77	0.38	1.50
1	4.77					
	Pipe_-(308)	CIRCULAR	1.50	1.77	0.38	1.50
1	4.65					
	Pipe_-(309)	CIRCULAR	1.50	1.77	0.38	1.50
1	4.54					
	Pipe_-(31)	FORCE_MAIN	0.50	0.20	0.13	0.50
1	0.29					
	Pipe_-(310)	CIRCULAR	1.75	2.41	0.44	1.75
1	17.77					
	Pipe_-(311)	CIRCULAR	2.50	4.91	0.63	2.50
1	34.17					
	Pipe_-(312)	CIRCULAR	2.50	4.91	0.63	2.50
1	22.34					
	Pipe_-(313)	CIRCULAR	1.25	1.23	0.31	1.25
1	1.46					

1	Pipe_-(314)	CIRCULAR	1.00	0.79	0.25	1.00
	3.94					
1	Pipe_-(319)	CIRCULAR	0.50	0.20	0.13	0.50
	1.40					
1	Pipe_-(32)	FORCE_MAIN	0.50	0.20	0.13	0.50
	0.29					
1	Pipe_-(320)	CIRCULAR	0.50	0.20	0.13	0.50
	1.59					
1	Pipe_-(321)	CIRCULAR	1.25	1.23	0.31	1.25
	12.78					
1	Pipe_-(322)	CIRCULAR	1.25	1.23	0.31	1.25
	4.98					
1	Pipe_-(323)	CIRCULAR	1.00	0.79	0.25	1.00
	1.36					
1	Pipe_-(327)	CIRCULAR	1.50	1.77	0.38	1.50
	5.46					
1	Pipe_-(328)	CIRCULAR	1.25	1.23	0.31	1.25
	5.69					
1	Pipe_-(329)	CIRCULAR	1.00	0.79	0.25	1.00
	4.53					
1	Pipe_-(33)	FORCE_MAIN	0.50	0.20	0.13	0.50
	0.29					
1	Pipe_-(331)	CIRCULAR	1.00	0.79	0.25	1.00
	5.72					
1	Pipe_-(333)	CIRCULAR	1.00	0.79	0.25	1.00
	1.39					
1	Pipe_-(334)	CIRCULAR	1.00	0.79	0.25	1.00
	8.07					
1	Pipe_-(337)	CIRCULAR	4.00	12.57	1.00	4.00
	21.70					
1	Pipe_-(338)	CIRCULAR	4.00	12.57	1.00	4.00
	23.61					
1	Pipe_-(34)	FORCE_MAIN	0.50	0.20	0.13	0.50
	0.29					
1	Pipe_-(340)	CIRCULAR	2.00	3.14	0.50	2.00
	51.87					
1	Pipe_-(35)	CIRCULAR	3.50	9.62	0.88	3.50
	48.34					
1	Pipe_-(358)	CIRCULAR	1.50	1.77	0.38	1.50
	9.52					
1	Pipe_-(359)	CIRCULAR	1.50	1.77	0.38	1.50
	7.48					
1	Pipe_-(36)	CIRCULAR	3.50	9.62	0.88	3.50
	48.45					
1	Pipe_-(360)	CIRCULAR	1.50	1.77	0.38	1.50
	6.68					
1	Pipe_-(361)	CIRCULAR	0.67	0.35	0.17	0.67
	1.31					
1	Pipe_-(362)	CIRCULAR	0.67	0.35	0.17	0.67
	1.47					
1	Pipe_-(363)	CIRCULAR	0.67	0.35	0.17	0.67
	1.27					
1	Pipe_-(364)	CIRCULAR	1.00	0.79	0.25	1.00

1	3.38					
	Pipe_-(365)	CIRCULAR	1.00	0.79	0.25	1.00
1	11.92					
	Pipe_-(366)	CIRCULAR	3.50	9.62	0.88	3.50
1	88.93					
	Pipe_-(367)	CIRCULAR	3.50	9.62	0.88	3.50
1	53.14					
	Pipe_-(369)	CIRCULAR	0.67	0.35	0.17	0.67
1	6.20					
	Pipe_-(37)	CIRCULAR	3.50	9.62	0.88	3.50
1	47.97					
	Pipe_-(370)	CIRCULAR	3.00	7.07	0.75	3.00
1	6.27					
	Pipe_-(374)	CIRCULAR	1.00	0.79	0.25	1.00
1	0.06					
	Pipe_-(375)	CIRCULAR	1.00	0.79	0.25	1.00
1	1.13					
	Pipe_-(376)	CIRCULAR	1.33	1.40	0.33	1.33
1	4.46					
	Pipe_-(377)	CIRCULAR	1.50	1.77	0.38	1.50
1	10.21					
	Pipe_-(378)	CIRCULAR	1.50	1.77	0.38	1.50
1	16.91					
	Pipe_-(379)	CIRCULAR	1.50	1.77	0.38	1.50
1	16.90					
	Pipe_-(38)	CIRCULAR	3.50	9.62	0.88	3.50
1	48.51					
	Pipe_-(380)	CIRCULAR	1.00	0.79	0.25	1.00
1	5.30					
	Pipe_-(381)	CIRCULAR	1.50	1.77	0.38	1.50
1	39.67					
	Pipe_-(382)	CIRCULAR	0.67	0.35	0.17	0.67
1	2.04					
	Pipe_-(383)	CIRCULAR	0.67	0.35	0.17	0.67
1	2.05					
	Pipe_-(384)	CIRCULAR	1.00	0.79	0.25	1.00
1	4.94					
	Pipe_-(385)	CIRCULAR	0.67	0.35	0.17	0.67
1	1.72					
	Pipe_-(386)	CIRCULAR	0.67	0.35	0.17	0.67
1	2.04					
	Pipe_-(387)	CIRCULAR	0.67	0.35	0.17	0.67
1	2.22					
	Pipe_-(389)	CIRCULAR	0.67	0.35	0.17	0.67
1	6.33					
	Pipe_-(39)	CIRCULAR	3.50	9.62	0.88	3.50
1	149.88					
	Pipe_-(390)	CIRCULAR	1.50	1.77	0.38	1.50
1	6.14					
	Pipe_-(4)	CIRCULAR	2.00	3.14	0.50	2.00
1	10.93					
	Pipe_-(40)	CIRCULAR	3.50	9.62	0.88	3.50
1	34.45					

1	Pipe_-(404)	CIRCULAR	1.00	0.79	0.25	1.00
	7.57					
1	Pipe_-(405)	CIRCULAR	1.00	0.79	0.25	1.00
	2.49					
1	Pipe_-(408)	FORCE_MAIN	2.50	4.91	0.63	2.50
	61.15					
1	Pipe_-(409)	FORCE_MAIN	2.50	4.91	0.63	2.50
	41.96					
1	Pipe_-(41)	CIRCULAR	3.50	9.62	0.88	3.50
	56.91					
1	Pipe_-(410)	FORCE_MAIN	2.50	4.91	0.63	2.50
	42.44					
1	Pipe_-(411)	FORCE_MAIN	2.50	4.91	0.63	2.50
	42.16					
1	Pipe_-(412)	FORCE_MAIN	2.50	4.91	0.63	2.50
	35.55					
1	Pipe_-(42)	CIRCULAR	3.50	9.62	0.88	3.50
	48.34					
1	Pipe_-(423)	FORCE_MAIN	1.50	1.77	0.38	1.50
	11.24					
1	Pipe_-(424)	FORCE_MAIN	1.50	1.77	0.38	1.50
	11.10					
1	Pipe_-(425)	FORCE_MAIN	1.50	1.77	0.38	1.50
	11.22					
1	Pipe_-(426)	FORCE_MAIN	1.50	1.77	0.38	1.50
	11.20					
1	Pipe_-(427)	FORCE_MAIN	1.50	1.77	0.38	1.50
	11.00					
1	Pipe_-(429)	CIRCULAR	1.50	1.77	0.38	1.50
	2.81					
1	Pipe_-(43)	CIRCULAR	3.50	9.62	0.88	3.50
	50.01					
1	Pipe_-(430)	CIRCULAR	1.50	1.77	0.38	1.50
	2.99					
1	Pipe_-(431)	CIRCULAR	1.50	1.77	0.38	1.50
	4.80					
1	Pipe_-(432)	CIRCULAR	1.67	2.18	0.42	1.67
	6.52					
1	Pipe_-(433)	CIRCULAR	1.67	2.18	0.42	1.67
	4.79					
1	Pipe_-(434)	FORCE_MAIN	1.67	2.18	0.42	1.67
	13.75					
1	Pipe_-(435)	FORCE_MAIN	1.67	2.18	0.42	1.67
	13.50					
1	Pipe_-(436)	FORCE_MAIN	1.67	2.18	0.42	1.67
	15.14					
1	Pipe_-(437)	FORCE_MAIN	1.67	2.18	0.42	1.67
	13.48					
1	Pipe_-(438)	FORCE_MAIN	1.67	2.18	0.42	1.67
	13.75					
1	Pipe_-(439)	FORCE_MAIN	1.67	2.18	0.42	1.67
	304.16					
	Pipe_-(44)	CIRCULAR	3.50	9.62	0.88	3.50

1	49.46					
	Pipe_-(443)	CIRCULAR	2.00	3.14	0.50	2.00
1	46.32					
	Pipe_-(444)	CIRCULAR	2.00	3.14	0.50	2.00
1	16.38					
	Pipe_-(445)	CIRCULAR	2.00	3.14	0.50	2.00
1	17.03					
	Pipe_-(446)	CIRCULAR	2.00	3.14	0.50	2.00
1	17.59					
	Pipe_-(447)	CIRCULAR	1.25	1.23	0.31	1.25
1	5.78					
	Pipe_-(448)	CIRCULAR	1.25	1.23	0.31	1.25
1	5.93					
	Pipe_-(449)	CIRCULAR	1.25	1.23	0.31	1.25
1	5.95					
	Pipe_-(45)	ARCH	3.33	14.23	1.00	5.42
1	58.96					
	Pipe_-(450)	CIRCULAR	3.00	7.07	0.75	3.00
1	15.15					
	Pipe_-(452)	CIRCULAR	1.50	1.77	0.38	1.50
1	0.82					
	Pipe_-(453)	CIRCULAR	1.50	1.77	0.38	1.50
1	3.22					
	Pipe_-(454)	CIRCULAR	1.50	1.77	0.38	1.50
1	2.94					
	Pipe_-(455)	CIRCULAR	1.50	1.77	0.38	1.50
1	9.18					
	Pipe_-(456)	CIRCULAR	1.50	1.77	0.38	1.50
1	5.24					
	Pipe_-(460)	CIRCULAR	0.50	0.20	0.13	0.50
1	0.51					
	Pipe_-(461)	CIRCULAR	3.00	7.07	0.75	3.00
1	1.55					
	Pipe_-(462)	CIRCULAR	3.00	7.07	0.75	3.00
1	34.64					
	Pipe_-(467)	CIRCULAR	4.00	12.57	1.00	4.00
1	41.18					
	Pipe_-(47)	ARCH	3.33	14.23	1.00	5.42
1	75.04					
	Pipe_-(474)	CIRCULAR	1.50	1.77	0.38	1.50
1	6.24					
	Pipe_-(49)	ARCH	3.33	14.23	1.00	5.42
1	53.10					
	Pipe_-(5)	CIRCULAR	2.00	3.14	0.50	2.00
1	10.93					
	Pipe_-(50)	ARCH	3.33	14.23	1.00	5.42
1	44.28					
	Pipe_-(51)	ARCH	3.33	14.23	1.00	5.42
1	8.01					
	Pipe_-(52)	ARCH	3.33	14.23	1.00	5.42
1	20.13					
	Pipe_-(53)	ARCH	3.33	14.23	1.00	5.42
1	53.62					

1	Pipe_-(54)	CIRCULAR	1.50	1.77	0.38	1.50
	5.08					
1	Pipe_-(55)	CIRCULAR	1.50	1.77	0.38	1.50
	4.99					
1	Pipe_-(56)	CIRCULAR	1.50	1.77	0.38	1.50
	5.10					
1	Pipe_-(57)	CIRCULAR	1.50	1.77	0.38	1.50
	5.09					
1	Pipe_-(58)	CIRCULAR	1.50	1.77	0.38	1.50
	5.19					
1	Pipe_-(59)	CIRCULAR	1.50	1.77	0.38	1.50
	5.07					
1	Pipe_-(6)	CIRCULAR	2.00	3.14	0.50	2.00
	10.99					
1	Pipe_-(60)	CIRCULAR	1.50	1.77	0.38	1.50
	5.08					
1	Pipe_-(65)	CIRCULAR	1.50	1.77	0.38	1.50
	5.09					
1	Pipe_-(66)	CIRCULAR	1.50	1.77	0.38	1.50
	16.29					
1	Pipe_-(67)	CIRCULAR	1.50	1.77	0.38	1.50
	5.07					
1	Pipe_-(68)	CIRCULAR	1.50	1.77	0.38	1.50
	5.10					
1	Pipe_-(69)	CIRCULAR	1.50	1.77	0.38	1.50
	5.09					
1	Pipe_-(7)	CIRCULAR	2.50	4.91	0.63	2.50
	17.27					
1	Pipe_-(70)	CIRCULAR	1.50	1.77	0.38	1.50
	5.09					
1	Pipe_-(71)	CIRCULAR	1.50	1.77	0.38	1.50
	5.09					
1	Pipe_-(72)	CIRCULAR	1.50	1.77	0.38	1.50
	5.09					
1	Pipe_-(73)	CIRCULAR	1.25	1.23	0.31	1.25
	3.13					
1	Pipe_-(74)	CIRCULAR	1.50	1.77	0.38	1.50
	4.98					
1	Pipe_-(75)	CIRCULAR	1.50	1.77	0.38	1.50
	5.12					
1	Pipe_-(76)	CIRCULAR	1.50	1.77	0.38	1.50
	5.09					
1	Pipe_-(77)	CIRCULAR	1.50	1.77	0.38	1.50
	5.09					
1	Pipe_-(78)	CIRCULAR	1.50	1.77	0.38	1.50
	5.09					
1	Pipe_-(79)	CIRCULAR	1.50	1.77	0.38	1.50
	5.09					
1	Pipe_-(8)	CIRCULAR	2.50	4.91	0.63	2.50
	17.15					
1	Pipe_-(80)	CIRCULAR	1.25	1.23	0.31	1.25
	3.13					
	Pipe_-(81)	CIRCULAR	2.00	3.14	0.50	2.00



1	43.38					
	Pipe_-(82)	CIRCULAR	2.00	3.14	0.50	2.00
1	14.65					
	Pipe_-(83)	CIRCULAR	2.00	3.14	0.50	2.00
1	15.17					
	Pipe_-(84)	CIRCULAR	2.00	3.14	0.50	2.00
1	14.04					
	Pipe_-(85)	CIRCULAR	1.75	2.41	0.44	1.75
1	6.30					
	Pipe_-(87)	CIRCULAR	1.75	2.41	0.44	1.75
1	25.68					
	Pipe_-(88)	CIRCULAR	1.75	2.41	0.44	1.75
1	11.92					
	Pipe_-(89)	CIRCULAR	1.75	2.41	0.44	1.75
1	10.87					
	Pipe_-(9)	CIRCULAR	2.50	4.91	0.63	2.50
1	6.61					
	Pipe_-(90)	CIRCULAR	1.75	2.41	0.44	1.75
1	5.54					
	Pipe_-(91)	CIRCULAR	1.50	1.77	0.38	1.50
1	3.09					
	Pipe_-(92)	CIRCULAR	1.50	1.77	0.38	1.50
1	6.19					
	Pipe_-(93)	CIRCULAR	1.50	1.77	0.38	1.50
1	6.28					
	Pipe_-(94)	CIRCULAR	1.50	1.77	0.38	1.50
1	6.25					
	Pipe_-(95)	CIRCULAR	1.50	1.77	0.38	1.50
1	6.27					
	Pipe_-(96)	CIRCULAR	1.50	1.77	0.38	1.50
1	6.21					
	Pipe_-(97)	CIRCULAR	1.50	1.77	0.38	1.50
1	6.25					
	Pipe_PS_A	CIRCULAR	1.50	1.77	0.38	1.50
1	88.87					
	Pipe_PS_B	CIRCULAR	2.50	4.91	0.63	2.50
1	3.94					
	Pipe468	CIRCULAR	2.00	3.14	0.50	2.00
1	6.25					
	Pipe483	CIRCULAR	1.00	0.79	0.25	1.00
1	3.86					
	PSC_Overflow	CIRCULAR	1.17	1.07	0.29	1.17
1	8.12					
	PSC_to_Outfall	FORCE_MAIN	1.67	2.18	0.42	1.67
1	25.78					

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NOTE: The summary statistics displayed in this report are based on results found at every computational time step, not just on results from each reporting time step.  
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Analysis Options

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Flow Units ..... CFS  
Process Models:  
  Rainfall/Runoff ..... YES  
  RDII ..... NO  
  Snowmelt ..... NO  
  Groundwater ..... NO  
  Flow Routing ..... YES  
  Ponding Allowed ..... YES  
  Water Quality ..... NO  
Infiltration Method ..... HORTON  
Flow Routing Method ..... DYNWAVE  
Surcharge Method ..... EXTRAN  
Starting Date ..... 11/15/1962 00:00:00  
Ending Date ..... 11/28/1962 23:00:00  
Antecedent Dry Days ..... 0.0  
Report Time Step ..... 00:01:00  
Wet Time Step ..... 00:05:00  
Dry Time Step ..... 00:05:00  
Routing Time Step ..... 1.00 sec  
Variable Time Step ..... YES  
Maximum Trials ..... 8  
Number of Threads ..... 2  
Head Tolerance ..... 0.005000 ft

*****	Volume	Depth
Runoff Quantity Continuity	acre-feet	inches
*****	-----	-----
Total Precipitation .....	0.000	0.000
Evaporation Loss .....	0.000	0.000
Infiltration Loss .....	0.000	0.000
Surface Runoff .....	0.000	0.000
Final Storage .....	0.000	0.000
Continuity Error (%) .....	0.000	

*****	Volume	Volume
Flow Routing Continuity	acre-feet	10^6 gal
*****	-----	-----
Dry Weather Inflow .....	0.000	0.000
Wet Weather Inflow .....	0.000	0.000
Groundwater Inflow .....	0.000	0.000
RDII Inflow .....	0.000	0.000
External Inflow .....	219.462	71.515
External Outflow .....	196.732	64.108
Flooding Loss .....	4.051	1.320
Evaporation Loss .....	0.000	0.000
Exfiltration Loss .....	0.000	0.000
Initial Stored Volume ....	16.175	5.271

Final Stored Volume ..... 26.493 8.633  
Continuity Error (%) ..... 3.548

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Highest Continuity Errors

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Node Structure\_-(458) (21.78%)  
Node Ditch9\_10\_11 (13.49%)  
Node Structure\_-(481) (7.28%)  
Node Ditch4\_Berm (6.98%)  
Node Structure\_-(453) (5.70%)

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Time-Step Critical Elements

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Link 381\_to\_PS77 (69.65%)  
Link Pipe\_-(412) (17.86%)  
Link 469\_to\_Inlet (6.38%)  
Link 458\_to\_Inlet (2.24%)  
Link 172\_to\_Inlet (2.24%)

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Highest Flow Instability Indexes

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Link 469\_to\_Inlet (61)  
Link Pipe\_-(206) (47)  
Link Pipe\_-(462) (46)  
Link Pipe\_-(247) (46)  
Link Pipe\_-(429) (46)

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Routing Time Step Summary

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Minimum Time Step : 0.07 sec  
Average Time Step : 0.52 sec  
Maximum Time Step : 1.00 sec  
Percent in Steady State : -0.00  
Average Iterations per Step : 4.85  
Percent Not Converging : 27.00  
Time Step Frequencies :  
    1.000 - 0.871 sec : 1.57 %  
    0.871 - 0.758 sec : 0.70 %  
    0.758 - 0.660 sec : 2.63 %  
    0.660 - 0.574 sec : 1.76 %  
    0.574 - 0.500 sec : 93.34 %

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Subcatchment Runoff Summary

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Perv	Total	Total	Total	Total	Total	Total	Imperv
Runoff	Runoff	Total	Peak	Runoff	Evap	Infil	Runoff
Subcatchment	Runoff	Precip	Runon	Coeff	in	in	in
in	in	in	in				
		10^6 gal	CFS				
2.1		0.00	0.00		0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.000			
2.2		0.00	0.00		0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.000			
2.3		0.00	0.00		0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.000			
2.4		0.00	0.00		0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.000			
3		0.00	0.00		0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.000			
5		0.00	0.00		0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.000			
A		0.00	0.00		0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.000			
B		0.00	0.00		0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.000			
C		0.00	0.00		0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.000			
D		0.00	0.00		0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.000			
E		0.00	0.00		0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.000			
F		0.00	0.00		0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.000			
G		0.00	0.00		0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.000			
H		0.00	0.00		0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.000			

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Node Depth Summary  
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Average Maximum Maximum Time of Max  
Reported

Depth Node Feet	Type	Depth Feet	Depth Feet	HGL Feet	Occurrence days hr:min	Max
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CB19 0.99	JUNCTION	0.12	0.99	7.60	4 17:00	
CB22 0.97	JUNCTION	0.17	0.97	6.99	4 17:00	
CB30 0.59	JUNCTION	0.31	0.59	7.76	4 17:00	
CB31 0.83	JUNCTION	0.14	0.83	8.23	4 17:00	
CB33 0.30	JUNCTION	0.06	0.30	7.47	4 17:00	
Culvert_Ditch11 8.22	JUNCTION	5.22	8.22	11.56	6 03:19	
Culvert_Ditch12 8.56	JUNCTION	5.45	8.56	11.54	6 03:21	
Culvert_Ditch12a 9.15	JUNCTION	5.92	9.15	11.54	6 03:21	
Culvert_Ditch12b 9.15	JUNCTION	5.91	9.15	11.54	6 03:22	
Culvert_Ditch12c 11.04	JUNCTION	7.31	11.04	11.54	6 03:23	
Ditch1_2 10.04	JUNCTION	6.00	10.04	11.04	5 04:23	
Ditch10_Inlet 7.83	JUNCTION	4.91	7.88	11.68	10 12:37	
Ditch11_12 8.58	JUNCTION	5.54	8.58	11.56	6 03:19	
Ditch12_18 11.04	JUNCTION	7.28	11.04	11.54	6 03:23	
Ditch14_15 1.29	JUNCTION	0.68	1.29	5.41	4 17:07	
Ditch15_16 1.10	JUNCTION	0.60	1.10	4.22	4 17:08	
Ditch16_17 0.46	JUNCTION	0.05	0.46	2.64	4 17:14	
Ditch17_5_6 1.39	JUNCTION	0.29	1.39	2.63	4 17:14	
Ditch2_3 10.04	JUNCTION	6.00	10.04	11.04	5 04:22	
Ditch3_Out 10.04	JUNCTION	6.00	10.04	11.04	5 04:25	
Ditch4_Berm 7.04	JUNCTION	3.48	7.04	11.04	5 04:26	
Ditch4_In 6.04	JUNCTION	2.48	6.04	11.04	5 04:27	
Ditch4_Out 8.04	JUNCTION	4.00	8.04	11.04	5 04:26	

Ditch5_Inlet	JUNCTION	0.13	0.87	3.12	4	17:03
0.87						
Ditch6_7	JUNCTION	0.25	1.24	2.48	4	17:11
1.24						
Ditch7_8	JUNCTION	0.59	1.90	-0.42	4	17:07
1.90						
Ditch9_10_11	JUNCTION	5.30	8.25	11.59	11	09:27
8.25						
Ditch9_Inlet	JUNCTION	1.68	5.03	13.49	10	12:35
5.03						
Facility77_PS	JUNCTION	21.21	60.95	69.25	5	02:41
60.95						
PS004	JUNCTION	9.49	13.54	11.54	6	03:23
13.54						
PSC_Outlet	JUNCTION	17.96	49.92	61.42	5	15:00
49.92						
SDCB294	JUNCTION	0.36	1.91	4.44	4	17:02
1.89						
SDCB541	JUNCTION	0.92	1.70	7.01	4	17:00
1.70						
SDCB543	JUNCTION	0.24	0.62	7.73	4	17:00
0.62						
SDCB6003	JUNCTION	0.26	1.60	4.53	4	17:01
1.59						
SDCB6005	JUNCTION	2.94	3.10	8.85	4	17:00
3.10						
SDMH297	JUNCTION	0.34	1.82	4.30	4	17:04
1.81						
SDMH299	JUNCTION	0.32	1.80	4.30	4	17:04
1.79						
SDMH301	JUNCTION	0.33	1.87	4.17	4	17:05
1.85						
SDMH538	JUNCTION	1.11	1.41	6.29	4	17:00
1.41						
SDMH539	JUNCTION	1.01	1.91	5.44	4	17:00
1.91						
SDMH540	JUNCTION	0.80	1.72	5.50	4	17:00
1.72						
Structure_-(1)	JUNCTION	0.37	3.61	11.03	5	02:27
3.58						
Structure_-(10)	JUNCTION	1.93	6.38	11.12	4	16:27
6.24						
Structure_-(100)	JUNCTION	0.05	0.39	11.01	5	02:21
0.38						
Structure_-(101)	JUNCTION	0.04	0.34	11.01	5	02:21
0.33						
Structure_-(102)	JUNCTION	0.05	0.50	11.00	5	02:22
0.50						
Structure_-(123)	JUNCTION	0.37	3.48	10.94	5	02:41
3.48						
Structure_-(124)	JUNCTION	0.35	3.38	11.09	5	21:46
3.26						
Structure_-(125)	JUNCTION	0.10	1.12	10.94	5	02:41

1.12	Structure_-(126)	JUNCTION	0.09	0.82	10.94	5	02:42
0.82	Structure_-(128)	JUNCTION	0.05	0.27	11.40	4	17:00
0.26	Structure_-(129)	JUNCTION	0.04	0.20	13.01	4	17:00
0.20	Structure_-(130)	JUNCTION	0.07	0.36	10.98	4	17:00
0.36	Structure_-(131)	JUNCTION	0.04	0.22	11.36	4	17:00
0.22	Structure_-(132)	JUNCTION	0.03	0.16	12.10	4	17:00
0.16	Structure_-(133)	JUNCTION	0.07	0.34	10.96	4	17:00
0.34	Structure_-(134)	JUNCTION	0.29	0.45	11.75	4	17:00
0.45	Structure_-(136)	JUNCTION	0.90	1.03	12.87	4	17:00
1.03	Structure_-(139)	JUNCTION	2.40	6.84	10.96	5	02:38
6.81	Structure_-(140)	JUNCTION	2.31	6.74	10.96	5	02:38
6.72	Structure_-(141)	JUNCTION	2.93	7.33	10.93	5	02:41
7.33	Structure_-(142)	JUNCTION	1.32	5.49	10.93	5	02:41
5.49	Structure_-(143)	JUNCTION	0.66	4.56	10.96	5	02:35
4.54	Structure_-(144)	JUNCTION	0.47	4.19	10.95	5	02:38
4.18	Structure_-(161)	JUNCTION	0.97	5.00	11.14	5	21:31
5.00	Structure_-(162)	JUNCTION	1.56	5.66	10.91	5	02:43
5.66	Structure_-(163)	JUNCTION	2.01	6.28	10.91	5	02:38
6.28	Structure_-(164)	JUNCTION	2.47	6.87	10.91	5	02:42
6.87	Structure_-(165)	JUNCTION	2.75	7.21	10.91	5	02:42
7.20	Structure_-(166)	JUNCTION	3.06	7.56	10.91	5	02:42
7.55	Structure_-(167)	JUNCTION	3.57	8.11	10.91	5	02:41
8.11	Structure_-(168)	JUNCTION	4.15	8.75	10.91	5	02:41
8.75	Structure_-(169)	JUNCTION	4.71	9.32	10.91	5	02:41
9.32	Structure_-(170)	JUNCTION	4.89	9.55	10.95	5	02:40
9.52	Structure_-(171)	JUNCTION	7.70	12.53	10.95	5	02:40
12.49							

Structure_-(172)	JUNCTION	9.09	13.91	10.91	5	02:40
13.90						
Structure_-(173)	JUNCTION	5.71	10.35	10.91	5	02:41
10.35						
Structure_-(174)	JUNCTION	5.18	9.81	10.91	5	02:41
9.80						
Structure_-(175)	JUNCTION	4.92	9.58	10.94	5	02:39
9.56						
Structure_-(176)	JUNCTION	3.87	8.50	10.95	5	02:34
8.48						
Structure_-(177)	JUNCTION	3.06	7.60	10.94	5	02:37
7.58						
Structure_-(178)	JUNCTION	2.20	6.57	10.91	5	02:42
6.57						
Structure_-(179)	JUNCTION	1.50	5.67	10.91	5	02:43
5.67						
Structure_-(180)	JUNCTION	2.19	6.35	10.95	5	02:40
6.33						
Structure_-(181)	JUNCTION	0.87	4.81	10.94	5	02:40
4.79						
Structure_-(19)	JUNCTION	1.63	6.18	11.23	4	16:27
5.92						
Structure_-(2)	JUNCTION	0.40	3.72	11.03	5	02:17
3.70						
Structure_-(20)	JUNCTION	1.09	5.20	10.97	5	02:33
5.20						
Structure_-(205)	JUNCTION	4.88	9.51	10.91	5	02:41
9.50						
Structure_-(206)	JUNCTION	4.70	9.33	10.91	5	02:41
9.32						
Structure_-(207)	JUNCTION	4.15	8.76	10.91	5	02:42
8.76						
Structure_-(208)	JUNCTION	3.57	8.12	10.91	5	02:42
8.11						
Structure_-(209)	JUNCTION	3.06	7.56	10.91	5	02:42
7.56						
Structure_-(21)	JUNCTION	0.82	4.96	11.12	4	16:41
4.81						
Structure_-(210)	JUNCTION	2.79	7.26	10.91	5	02:43
7.26						
Structure_-(211)	JUNCTION	2.47	6.88	10.91	5	02:43
6.88						
Structure_-(212)	JUNCTION	2.01	6.29	10.91	5	02:42
6.29						
Structure_-(213)	JUNCTION	1.56	5.66	10.92	5	02:44
5.66						
Structure_-(214)	JUNCTION	0.97	5.00	11.13	5	21:04
4.79						
Structure_-(215)	JUNCTION	5.34	9.97	10.91	5	02:41
9.97						
Structure_-(216)	JUNCTION	5.16	9.79	10.91	5	02:41
9.79						
Structure_-(217)	JUNCTION	4.38	8.99	10.91	5	02:41



8.99							
Structure_-(218)	JUNCTION	3.91	8.50	10.90	5	02:42	
8.50							
Structure_-(219)	JUNCTION	3.01	7.49	10.91	5	02:42	
7.48							
Structure_-(220)	JUNCTION	2.57	7.00	10.91	5	02:42	
6.99							
Structure_-(221)	JUNCTION	2.14	6.49	10.91	5	02:43	
6.49							
Structure_-(222)	JUNCTION	1.73	5.94	10.91	5	02:43	
5.94							
Structure_-(223)	JUNCTION	1.34	5.45	10.91	5	02:41	
5.45							
Structure_-(23)	JUNCTION	16.63	22.78	37.26	6	03:28	
22.78							
Structure_-(230)	JUNCTION	6.45	11.19	10.93	5	02:40	
11.18							
Structure_-(231)	JUNCTION	5.66	10.36	10.91	5	02:41	
10.35							
Structure_-(232)	JUNCTION	4.90	9.55	10.91	5	02:41	
9.54							
Structure_-(233)	JUNCTION	5.21	9.85	10.91	5	02:41	
9.85							
Structure_-(234)	JUNCTION	4.15	8.75	10.90	5	02:42	
8.75							
Structure_-(235)	JUNCTION	3.57	8.11	10.90	5	02:40	
8.11							
Structure_-(236)	JUNCTION	3.06	7.55	10.91	5	02:40	
7.55							
Structure_-(237)	JUNCTION	2.75	7.20	10.91	5	02:43	
7.20							
Structure_-(238)	JUNCTION	2.47	6.87	10.91	5	02:43	
6.87							
Structure_-(239)	JUNCTION	2.01	6.28	10.91	5	02:38	
6.28							
Structure_-(24)	JUNCTION	8.91	12.62	27.09	6	03:45	
12.62							
Structure_-(240)	JUNCTION	1.49	5.57	10.91	5	02:38	
5.57							
Structure_-(241)	JUNCTION	0.97	5.00	11.13	5	21:16	
4.78							
Structure_-(242)	JUNCTION	1.92	2.22	5.42	4	17:07	
2.22							
Structure_-(243)	JUNCTION	1.37	3.05	6.81	5	00:15	
2.55							
Structure_-(244)	JUNCTION	0.46	0.79	5.47	4	17:00	
0.79							
Structure_-(245)	JUNCTION	0.23	0.56	5.51	4	17:00	
0.56							
Structure_-(246)	JUNCTION	4.90	9.53	10.91	5	02:41	
9.52							
Structure_-(247)	JUNCTION	4.70	9.32	10.91	5	02:41	
9.32							

Structure_-(248)	JUNCTION	4.15	8.75	10.91	5	02:42
8.75						
Structure_-(249)	JUNCTION	3.57	8.11	10.91	5	02:42
8.11						
Structure_-(25)	JUNCTION	8.74	12.39	26.79	6	03:49
12.39						
Structure_-(250)	JUNCTION	3.06	7.55	10.91	5	02:42
7.55						
Structure_-(251)	JUNCTION	2.75	7.21	10.91	5	02:43
7.21						
Structure_-(252)	JUNCTION	2.47	6.88	10.91	5	02:43
6.87						
Structure_-(253)	JUNCTION	2.03	6.32	10.91	5	02:38
6.32						
Structure_-(254)	JUNCTION	1.56	5.66	10.91	5	02:44
5.66						
Structure_-(255)	JUNCTION	0.97	4.94	11.07	5	21:19
4.78						
Structure_-(256)	JUNCTION	5.33	9.97	10.90	5	02:41
9.97						
Structure_-(257)	JUNCTION	5.15	9.79	10.91	5	02:41
9.79						
Structure_-(258)	JUNCTION	4.38	8.99	10.91	5	02:39
8.99						
Structure_-(259)	JUNCTION	3.92	8.51	10.91	5	02:41
8.51						
Structure_-(26)	JUNCTION	8.18	11.62	25.70	6	03:57
11.62						
Structure_-(260)	JUNCTION	3.01	7.49	10.91	5	02:42
7.49						
Structure_-(261)	JUNCTION	2.57	7.00	10.91	5	02:42
7.00						
Structure_-(262)	JUNCTION	2.15	6.49	10.91	5	02:43
6.49						
Structure_-(263)	JUNCTION	1.73	5.95	10.91	5	02:41
5.95						
Structure_-(264)	JUNCTION	1.35	5.45	10.92	5	02:43
5.45						
Structure_-(265)	JUNCTION	0.93	4.82	10.95	5	02:41
4.79						
Structure_-(266)	JUNCTION	0.49	4.19	10.99	5	02:37
4.15						
Structure_-(267)	JUNCTION	0.51	4.20	10.99	5	02:27
4.15						
Structure_-(268)	JUNCTION	0.38	3.70	10.98	5	02:37
3.66						
Structure_-(269)	JUNCTION	0.35	3.50	10.99	5	02:40
3.46						
Structure_-(27)	JUNCTION	6.77	9.66	22.84	5	20:57
9.66						
Structure_-(270)	JUNCTION	0.35	3.55	10.98	5	02:38
3.53						
Structure_-(273)	JUNCTION	0.07	0.30	11.43	4	17:00

0.30							
Structure_-(274)	JUNCTION	0.06	0.34	10.97	5	02:30	
0.34							
Structure_-(275)	JUNCTION	0.07	0.51	10.97	5	02:31	
0.51							
Structure_-(276)	JUNCTION	0.15	1.69	10.96	5	02:32	
1.69							
Structure_-(277)	JUNCTION	0.26	2.57	10.96	5	02:34	
2.57							
Structure_-(278)	JUNCTION	0.33	3.33	10.99	5	02:37	
3.32							
Structure_-(28)	JUNCTION	6.59	9.42	22.48	5	20:39	
9.42							
Structure_-(287)	JUNCTION	1.68	1.90	12.36	4	17:00	
1.90							
Structure_-(288)	JUNCTION	0.91	1.13	12.36	4	17:00	
1.13							
Structure_-(29)	JUNCTION	6.48	9.26	22.25	5	20:27	
9.26							
Structure_-(298)	JUNCTION	0.53	0.67	11.11	4	17:00	
0.67							
Structure_-(3)	JUNCTION	0.48	4.07	11.02	5	02:39	
4.05							
Structure_-(30)	JUNCTION	6.04	8.65	21.35	5	19:45	
8.65							
Structure_-(305)	JUNCTION	1.72	1.87	12.55	4	17:00	
1.87							
Structure_-(306)	JUNCTION	0.68	0.82	12.56	4	17:00	
0.82							
Structure_-(31)	JUNCTION	4.86	7.00	18.93	5	18:17	
7.00							
Structure_-(319)	JUNCTION	0.20	1.26	7.57	4	17:00	
1.26							
Structure_-(32)	JUNCTION	4.26	6.16	17.70	5	17:10	
6.16							
Structure_-(320)	JUNCTION	0.23	1.24	7.40	4	17:00	
1.24							
Structure_-(325)	JUNCTION	1.08	2.19	7.67	4	17:00	
2.18							
Structure_-(326)	JUNCTION	0.08	0.44	7.89	4	17:00	
0.44							
Structure_-(33)	JUNCTION	3.96	5.75	17.09	5	16:22	
5.75							
Structure_-(331)	JUNCTION	0.89	3.02	11.08	4	16:02	
2.69							
Structure_-(332)	JUNCTION	1.03	3.11	11.16	4	16:46	
2.06							
Structure_-(333)	JUNCTION	0.76	1.02	7.74	4	17:00	
1.02							
Structure_-(34)	JUNCTION	2.76	4.14	14.72	5	14:37	
4.14							
Structure_-(341)	JUNCTION	2.11	2.45	8.89	4	17:00	
2.45							

Structure_-(35)	JUNCTION	0.80	2.15	11.43	5	02:43
2.15						
Structure_-(37)	JUNCTION	0.36	2.16	10.97	5	02:36
2.16						
Structure_-(370)	JUNCTION	0.23	2.72	10.95	5	02:39
2.69						
Structure_-(371)	JUNCTION	0.20	2.54	10.95	5	02:38
2.52						
Structure_-(372)	JUNCTION	0.04	0.43	10.91	5	02:44
0.43						
Structure_-(373)	JUNCTION	0.22	2.79	10.94	5	02:40
2.76						
Structure_-(374)	JUNCTION	0.14	2.03	10.97	5	02:39
2.00						
Structure_-(375)	JUNCTION	0.19	2.33	10.97	5	02:30
2.31						
Structure_-(376)	JUNCTION	0.23	2.57	10.97	5	02:39
2.53						
Structure_-(377)	JUNCTION	0.27	2.85	10.95	5	02:34
2.82						
Structure_-(378)	JUNCTION	0.30	3.23	10.96	5	02:40
3.19						
Structure_-(379)	JUNCTION	4.63	8.64	10.95	5	02:40
8.60						
Structure_-(38)	JUNCTION	0.40	2.45	10.97	5	02:35
2.45						
Structure_-(380)	JUNCTION	3.80	7.81	10.94	5	02:40
7.79						
Structure_-(381)	JUNCTION	3.98	7.97	10.92	5	02:40
7.95						
Structure_-(389)	JUNCTION	0.00	0.00	11.23	0	00:00
0.00						
Structure_-(39)	JUNCTION	0.41	2.56	10.97	5	02:35
2.56						
Structure_-(390)	JUNCTION	0.00	0.00	11.23	0	00:00
0.00						
Structure_-(391)	JUNCTION	0.04	0.24	10.99	5	03:46
0.24						
Structure_-(392)	JUNCTION	0.53	4.25	10.99	5	03:46
4.25						
Structure_-(393)	JUNCTION	1.31	5.19	10.99	5	03:46
5.19						
Structure_-(394)	JUNCTION	2.93	6.94	10.99	5	03:50
6.94						
Structure_-(395)	JUNCTION	4.69	8.70	10.99	5	03:50
8.70						
Structure_-(396)	JUNCTION	0.04	0.19	11.81	4	17:00
0.19						
Structure_-(397)	JUNCTION	0.17	2.19	10.99	5	03:46
2.19						
Structure_-(398)	JUNCTION	0.55	4.29	10.99	5	02:38
4.29						
Structure_-(399)	JUNCTION	0.38	3.61	10.99	5	03:46

3.61	Structure_-(4)	JUNCTION	0.55	4.33	11.02	5	02:33
4.31	Structure_-(40)	JUNCTION	0.34	2.73	10.97	5	02:26
2.73	Structure_-(400)	JUNCTION	0.32	3.09	10.99	5	03:46
3.09	Structure_-(401)	JUNCTION	0.10	1.30	11.00	5	02:39
1.30	Structure_-(404)	JUNCTION	0.04	0.20	11.24	4	17:00
0.20	Structure_-(405)	JUNCTION	0.03	0.13	11.97	4	17:00
0.13	Structure_-(407)	JUNCTION	0.17	2.19	10.99	5	03:50
2.19	Structure_-(408)	JUNCTION	0.19	1.53	11.00	5	02:21
1.53	Structure_-(41)	JUNCTION	1.00	7.00	13.04	4	16:26
4.95	Structure_-(42)	JUNCTION	1.02	6.81	12.81	4	16:26
4.98	Structure_-(426)	JUNCTION	0.78	4.60	10.96	5	02:40
4.58	Structure_-(427)	JUNCTION	2.06	5.73	10.95	5	02:41
5.72	Structure_-(43)	JUNCTION	1.39	5.78	11.24	4	16:26
5.52	Structure_-(431)	JUNCTION	0.56	1.32	-4.05	5	14:59
1.32	Structure_-(432)	JUNCTION	0.54	1.25	-3.78	5	15:00
1.25	Structure_-(433)	JUNCTION	0.53	1.23	-3.48	5	14:59
1.23	Structure_-(434)	JUNCTION	0.44	1.00	-2.55	5	15:00
1.00	Structure_-(435)	JUNCTION	0.47	1.07	-2.47	5	15:00
1.07	Structure_-(44)	JUNCTION	1.56	5.77	10.99	5	02:34
5.75	Structure_-(446)	JUNCTION	9.02	23.54	33.51	5	03:59
23.54	Structure_-(447)	JUNCTION	8.78	21.79	31.39	5	04:00
21.79	Structure_-(448)	JUNCTION	8.54	20.17	29.46	5	04:01
20.17	Structure_-(449)	JUNCTION	8.00	13.34	20.64	5	04:02
13.34	Structure_-(45)	JUNCTION	1.59	5.78	10.96	5	02:26
5.78	Structure_-(450)	JUNCTION	7.50	10.07	16.77	5	04:02
10.07	Structure_-(451)	JUNCTION	7.48	9.53	16.03	5	04:02
9.53							

Structure_-(453)	JUNCTION	2.71	6.96	10.91	5	02:40
6.96						
Structure_-(454)	JUNCTION	2.71	6.96	10.91	5	02:40
6.96						
Structure_-(455)	JUNCTION	2.72	6.98	10.91	5	02:41
6.97						
Structure_-(456)	JUNCTION	2.92	7.18	10.91	5	02:41
7.17						
Structure_-(457)	JUNCTION	3.02	7.28	10.91	5	02:43
7.28						
Structure_-(458)	JUNCTION	3.24	7.51	10.91	5	02:40
7.50						
Structure_-(459)	JUNCTION	14.83	35.51	42.18	5	03:52
35.51						
Structure_-(46)	JUNCTION	1.62	5.85	10.96	5	02:41
5.85						
Structure_-(460)	JUNCTION	14.68	34.92	41.55	5	03:53
34.92						
Structure_-(461)	JUNCTION	14.77	33.77	39.80	5	03:54
33.77						
Structure_-(462)	JUNCTION	14.66	33.02	38.90	5	03:55
33.02						
Structure_-(463)	JUNCTION	15.03	29.99	34.12	5	03:59
29.99						
Structure_-(469)	JUNCTION	2.90	7.41	10.91	5	02:40
7.41						
Structure_-(47)	JUNCTION	1.97	6.34	10.99	5	02:38
6.32						
Structure_-(470)	JUNCTION	0.40	3.84	10.94	5	02:37
3.81						
Structure_-(471)	JUNCTION	0.38	3.69	10.97	5	02:38
3.65						
Structure_-(472)	JUNCTION	0.35	3.56	10.96	5	02:38
3.52						
Structure_-(473)	JUNCTION	0.33	3.46	10.95	5	02:37
3.43						
Structure_-(475)	JUNCTION	3.87	7.88	10.96	5	02:40
7.85						
Structure_-(476)	JUNCTION	3.98	8.00	10.97	5	02:40
7.98						
Structure_-(477)	JUNCTION	4.30	8.30	10.95	5	02:39
8.27						
Structure_-(478)	JUNCTION	4.63	8.63	10.95	5	02:40
8.61						
Structure_-(481)	JUNCTION	2.66	6.91	10.91	5	02:39
6.90						
Structure_-(482)	JUNCTION	2.61	6.85	10.90	5	02:40
6.85						
Structure_-(483)	JUNCTION	2.56	6.80	10.90	5	02:40
6.80						
Structure_-(484)	JUNCTION	2.46	6.68	10.90	5	02:40
6.68						
Structure_-(485)	JUNCTION	2.44	6.65	10.90	5	02:41

6.65	Structure_-(487)	JUNCTION	4.17	8.18	10.96	5	02:38
8.16	Structure_-(489)	JUNCTION	4.26	8.30	11.04	5	04:28
8.30	Structure_-(490)	JUNCTION	0.91	1.14	12.38	4	17:00
1.14	Structure_-(495)	JUNCTION	0.10	0.96	11.00	5	02:21
0.96	Structure_-(5)	JUNCTION	0.72	4.65	11.02	5	02:39
4.62	Structure_-(50)	JUNCTION	2.35	6.80	11.00	5	02:39
6.77	Structure_-(502)	JUNCTION	0.19	2.49	10.95	5	02:38
2.46	Structure_-(503)	JUNCTION	1.95	6.29	11.00	5	02:32
6.26	Structure_-(51)	JUNCTION	2.59	7.04	10.98	5	02:37
7.02	Structure_-(52)	JUNCTION	2.80	7.22	10.94	5	02:41
7.22	Structure_-(53)	JUNCTION	2.81	7.25	10.96	5	02:40
7.23	Structure_-(54)	JUNCTION	2.57	7.02	10.95	5	02:40
7.00	Structure_-(56)	JUNCTION	0.31	1.89	10.97	5	02:36
1.89	Structure_-(57)	JUNCTION	0.19	1.68	10.97	5	02:36
1.68	Structure_-(58)	JUNCTION	0.17	1.59	10.98	5	02:36
1.59	Structure_-(59)	JUNCTION	0.14	1.28	10.98	5	02:36
1.28	Structure_-(6)	JUNCTION	1.16	5.27	10.97	5	02:33
5.27	Structure_-(60)	JUNCTION	0.13	1.16	10.98	5	02:36
1.16	Structure_-(61)	JUNCTION	0.11	1.06	10.98	5	02:28
1.06	Structure_-(62)	JUNCTION	0.09	0.96	10.98	5	02:37
0.96	Structure_-(63)	JUNCTION	0.07	0.71	10.98	5	02:29
0.71	Structure_-(7)	JUNCTION	1.42	5.67	11.02	5	02:38
5.63	Structure_-(70)	JUNCTION	0.29	2.11	11.00	5	02:34
2.09	Structure_-(71)	JUNCTION	0.09	0.97	10.97	5	02:36
0.97	Structure_-(72)	JUNCTION	0.13	0.91	10.97	5	02:27
0.91	Structure_-(73)	JUNCTION	0.12	0.65	10.98	5	02:28
0.65							

Structure_-(74)	JUNCTION	0.10	0.55	11.12	4	17:00
0.55						
Structure_-(75)	JUNCTION	0.09	0.49	11.30	4	17:00
0.49						
Structure_-(76)	JUNCTION	0.08	0.42	11.47	4	17:00
0.42						
Structure_-(77)	JUNCTION	0.07	0.34	11.63	4	17:00
0.34						
Structure_-(78)	JUNCTION	0.05	0.26	11.79	4	17:00
0.26						
Structure_-(79)	JUNCTION	0.24	2.29	11.01	5	02:35
2.27						
Structure_-(8)	JUNCTION	1.61	5.91	11.01	5	02:31
5.88						
Structure_-(80)	JUNCTION	0.20	2.00	11.01	5	02:20
1.99						
Structure_-(81)	JUNCTION	0.17	1.73	10.98	5	02:24
1.73						
Structure_-(82)	JUNCTION	0.14	1.49	10.98	5	02:19
1.49						
Structure_-(83)	JUNCTION	0.11	1.25	10.98	5	02:37
1.25						
Structure_-(84)	JUNCTION	0.08	1.01	10.98	5	02:23
1.01						
Structure_-(85)	JUNCTION	0.05	0.77	10.98	5	02:38
0.77						
Structure_-(86)	JUNCTION	1.26	3.70	11.00	5	02:21
3.68						
Structure_-(87)	JUNCTION	1.19	3.64	11.02	5	02:31
3.61						
Structure_-(88)	JUNCTION	1.01	3.54	11.11	4	16:36
3.44						
Structure_-(89)	JUNCTION	0.92	4.41	12.06	4	16:29
3.35						
Structure_-(9)	JUNCTION	1.85	6.19	11.01	5	02:30
6.16						
Structure_-(90)	JUNCTION	0.78	5.00	12.79	4	16:22
3.22						
Structure_-(92)	JUNCTION	0.19	2.10	11.00	5	02:19
2.09						
Structure_-(93)	JUNCTION	0.19	1.73	11.00	5	02:21
1.73						
Structure_-(94)	JUNCTION	0.17	1.57	11.00	5	02:21
1.56						
Structure_-(95)	JUNCTION	0.19	1.55	11.00	5	02:21
1.55						
Structure_-(96)	JUNCTION	0.15	1.40	11.00	5	02:21
1.40						
Structure_-(97)	JUNCTION	0.12	1.05	11.00	5	02:21
1.05						
Structure_-(98)	JUNCTION	0.10	0.87	11.00	5	02:20
0.87						
Structure_-(99)	JUNCTION	0.07	0.68	11.00	5	02:20



0.68	Structure520	JUNCTION	2.61	6.54	10.91	5	02:44
6.54	Structure521	JUNCTION	1.15	2.56	4.29	4	17:08
2.56	Structure522	JUNCTION	0.79	2.21	4.29	4	17:08
2.20	Structure587	JUNCTION	4.59	8.57	10.94	5	03:25
8.57	Structure593	JUNCTION	4.61	8.58	10.93	5	03:17
8.58	Structure602	JUNCTION	1.98	6.28	10.96	5	02:26
6.28	5_Dummy_Outlet	OUTFALL	0.00	0.00	0.00	0	00:00
0.00	C_Dummy_Outlet	OUTFALL	0.00	0.00	0.00	0	00:00
0.00	D_Dummy_Outlet	OUTFALL	0.00	0.00	0.00	0	00:00
0.00	E_Dummy_Outlet	OUTFALL	0.00	0.00	0.00	0	00:00
0.00	F_Dummy_Outlet	OUTFALL	0.00	0.00	0.00	0	00:00
0.00	G_Dummy_Outlet	OUTFALL	0.00	0.00	0.00	0	00:00
0.00	H_Dummy_Outlet	OUTFALL	0.00	0.00	0.00	0	00:00
0.00	Outfall_002A	OUTFALL	0.35	0.79	-14.08	5	14:59
0.79	Outfall003	OUTFALL	0.39	1.55	-1.45	4	17:07
1.55	Facility77_Inlet	STORAGE	14.06	18.96	10.91	5	02:40
18.96	PSC_Sump	STORAGE	7.61	15.33	15.83	5	04:28
15.33	RetenionPond	STORAGE	7.48	9.50	16.00	5	03:26
9.50							

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Node Inflow Summary  
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Total Inflow Volume Node	Flow Balance Error	Type	Maximum Lateral Inflow CFS	Maximum Total Inflow CFS	Time of Max Occurrence days hr:min	Lateral Inflow Volume 10^6 gal
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10<sup>6</sup> gal      Percent

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CB19		JUNCTION	1.55	1.55	4	17:00	0.82
0.82	0.001						
CB22		JUNCTION	0.16	10.54	4	17:00	0.082
5.58	0.001						
CB30		JUNCTION	0.16	1.71	4	17:00	0.082
0.902	0.022						
CB31		JUNCTION	1.55	1.55	4	17:00	0.82
0.82	0.001						
CB33		JUNCTION	1.55	1.55	4	17:00	0.82
0.82	0.001						
Culvert_Ditch11		JUNCTION	0.00	3.42	4	12:23	0
3.66	0.319						
Culvert_Ditch12		JUNCTION	0.00	7.99	4	21:03	0
4.33	0.424						
Culvert_Ditch12a		JUNCTION	0.00	18.38	4	13:25	0
4.29	0.426						
Culvert_Ditch12b		JUNCTION	0.00	32.73	4	13:25	0
4.23	4.946						
Culvert_Ditch12c		JUNCTION	0.00	17.88	4	13:25	0
3.85	0.961						
Ditch1_2		JUNCTION	0.00	7.75	10	12:02	0
4.47	8.721						
Ditch10_Inlet		JUNCTION	2.89	50.41	4	17:03	1.91
4.37	2.633						
Ditch11_12		JUNCTION	1.45	4.34	4	16:03	0.954
4.43	0.260						
Ditch12_18		JUNCTION	0.28	4.28	4	15:56	0.296
3.81	0.799						
Ditch14_15		JUNCTION	0.93	4.28	4	17:00	0.492
2.3	0.683						
Ditch15_16		JUNCTION	0.93	5.10	4	17:03	0.492
2.77	0.013						
Ditch16_17		JUNCTION	0.93	5.99	4	17:05	0.492
3.26	0.001						
Ditch17_5_6		JUNCTION	0.31	24.17	4	17:03	0.164
12.9	0.064						
Ditch2_3		JUNCTION	4.07	57.84	0	00:03	4.63
15.3	3.365						
Ditch3_Out		JUNCTION	0.00	154.70	0	00:01	0
18.8	0.885						
Ditch4_Berm		JUNCTION	0.00	13.86	4	18:10	0
16	7.499						
Ditch4_In		JUNCTION	14.66	14.66	4	17:00	15.2
15.2	0.059						
Ditch4_Out		JUNCTION	0.00	294.51	0	00:00	0
33.9	-2.378						
Ditch5_Inlet		JUNCTION	0.31	23.92	4	17:05	0.164
9.5	0.002						
Ditch6_7		JUNCTION	0.31	24.00	4	17:05	0.164

13.1	0.027							
Ditch7_8		JUNCTION	6.21	29.87	4	17:07		3.28
16.4	0.001							
Ditch9_10_11		JUNCTION	2.37	95.43	10	12:40		1.41
10.3	15.591							
Ditch9_Inlet		JUNCTION	4.73	67.76	10	12:37		2.83
5.71	30.133							
Facility77_PS		JUNCTION	0.00	37.50	4	16:30		0
60.7	0.004							
PS004		JUNCTION	0.00	3.78	4	15:56		0
3.66	0.667							
PSC_Outlet		JUNCTION	0.00	13.37	3	18:49		0
47.7	-0.020							
SDCB294		JUNCTION	1.55	1.55	4	17:00		0.82
0.82	0.007							
SDCB541		JUNCTION	0.16	1.86	4	17:00		0.082
0.984	0.005							
SDCB543		JUNCTION	0.16	1.71	4	17:00		0.082
0.902	0.007							
SDCB6003		JUNCTION	0.16	14.72	4	17:00		0.082
7.79	0.001							
SDCB6005		JUNCTION	0.62	0.62	4	17:00		0.328
0.328	0.084							
SDMH297		JUNCTION	0.31	18.98	4	17:03		0.164
9.27	0.003							
SDMH299		JUNCTION	0.31	3.73	4	17:04		0.164
1.32	0.023							
SDMH301		JUNCTION	0.16	18.81	4	17:01		0.082
9.34	0.008							
SDMH538		JUNCTION	1.55	1.55	4	17:00		0.82
0.82	0.012							
SDMH539		JUNCTION	0.16	13.95	4	17:00		0.082
7.38	0.001							
SDMH540		JUNCTION	0.16	1.71	4	17:00		0.082
0.902	0.007							
Structure_-(1)		JUNCTION	0.49	0.49	4	17:00		0.255
0.256	0.013							
Structure_-(10)		JUNCTION	0.20	4.70	10	20:15		0.102
3.22	0.087							
Structure_-(100)		JUNCTION	0.20	0.39	4	17:00		0.102
0.204	-0.002							
Structure_-(101)		JUNCTION	0.20	0.20	4	17:00		0.102
0.102	0.001							
Structure_-(102)		JUNCTION	0.29	0.29	4	17:00		0.153
0.153	-0.000							
Structure_-(123)		JUNCTION	0.20	4.38	4	16:31		0.102
1.44	-0.006							
Structure_-(124)		JUNCTION	0.20	2.09	4	16:33		0.102
0.978	0.011							
Structure_-(125)		JUNCTION	0.20	1.65	4	17:00		0.102
0.868	-0.003							
Structure_-(126)		JUNCTION	0.20	0.68	4	17:00		0.102
0.358	0.004							

Structure_-(128)	JUNCTION	0.20	0.49	4	17:00	0.102
0.255 -0.004						
Structure_-(129)	JUNCTION	0.29	0.29	4	17:00	0.153
0.153 0.001						
Structure_-(130)	JUNCTION	0.20	0.68	4	17:00	0.102
0.358 0.017						
Structure_-(131)	JUNCTION	0.20	0.49	4	17:00	0.102
0.255 0.000						
Structure_-(132)	JUNCTION	0.29	0.29	4	17:00	0.153
0.153 0.001						
Structure_-(133)	JUNCTION	0.20	0.78	4	17:00	0.102
0.409 -0.003						
Structure_-(134)	JUNCTION	0.29	0.29	4	17:00	0.153
0.153 0.015						
Structure_-(136)	JUNCTION	0.29	0.29	4	17:00	0.153
0.153 0.054						
Structure_-(139)	JUNCTION	0.20	1.51	9	18:01	0.102
0.725 0.147						
Structure_-(140)	JUNCTION	0.20	1.01	4	16:30	0.102
0.526 0.020						
Structure_-(141)	JUNCTION	0.20	0.82	4	16:30	0.102
0.422 0.105						
Structure_-(142)	JUNCTION	0.20	0.62	4	16:30	0.102
0.32 -0.095						
Structure_-(143)	JUNCTION	0.20	1.12	4	12:34	0.102
0.241 -0.388						
Structure_-(144)	JUNCTION	0.20	0.96	4	12:34	0.102
0.133 0.493						
Structure_-(161)	JUNCTION	0.20	0.42	5	21:14	0.102
0.122 -0.428						
Structure_-(162)	JUNCTION	0.20	0.65	10	09:10	0.102
0.287 0.088						
Structure_-(163)	JUNCTION	0.20	1.06	11	15:24	0.102
0.473 0.269						
Structure_-(164)	JUNCTION	0.20	1.00	11	15:24	0.102
0.676 0.382						
Structure_-(165)	JUNCTION	0.20	1.15	7	03:16	0.102
0.891 0.318						
Structure_-(166)	JUNCTION	0.20	2.12	4	16:32	0.102
1.11 0.263						
Structure_-(167)	JUNCTION	0.20	2.71	4	16:32	0.102
1.35 0.211						
Structure_-(168)	JUNCTION	0.20	3.09	4	16:32	0.102
1.59 0.317						
Structure_-(169)	JUNCTION	0.20	3.46	4	16:31	0.102
1.83 0.227						
Structure_-(170)	JUNCTION	0.20	9.59	11	22:55	0.102
2.09 0.061						
Structure_-(171)	JUNCTION	0.00	21.10	3	19:00	0
14.5 0.197						
Structure_-(172)	JUNCTION	0.00	175.39	7	02:40	0
17.6 0.083						
Structure_-(173)	JUNCTION	0.00	7.24	4	16:31	0

5.26	0.097							
Structure_--(174)		JUNCTION	0.00	7.20	9	17:41		0
3.41	0.145							
Structure_--(175)		JUNCTION	0.00	1.38	7	02:59		0
1.21	0.178							
Structure_--(176)		JUNCTION	0.20	1.38	7	02:59		0.102
1.14	0.478							
Structure_--(177)		JUNCTION	0.20	1.28	9	18:16		0.102
0.92	0.197							
Structure_--(178)		JUNCTION	0.20	0.88	9	18:25		0.102
0.685	0.345							
Structure_--(179)		JUNCTION	0.20	0.78	11	15:25		0.102
0.476	0.065							
Structure_--(180)		JUNCTION	0.20	0.67	10	11:51		0.102
0.29	0.375							
Structure_--(181)		JUNCTION	0.20	0.34	10	11:52		0.102
0.125	-0.195							
Structure_--(19)		JUNCTION	0.00	0.26	4	16:34		0
0.0415	-0.110							
Structure_--(2)		JUNCTION	0.49	1.01	4	16:41		0.255
0.512	-0.009							
Structure_--(20)		JUNCTION	0.00	0.89	10	20:04		0
0.232	0.091							
Structure_--(205)		JUNCTION	0.20	6.09	9	18:01		0.102
2.2	-0.098							
Structure_--(206)		JUNCTION	0.20	2.75	4	16:32		0.102
1.83	0.246							
Structure_--(207)		JUNCTION	0.20	2.43	4	16:32		0.102
1.57	0.241							
Structure_--(208)		JUNCTION	0.20	2.25	4	16:32		0.102
1.33	0.208							
Structure_--(209)		JUNCTION	0.20	1.69	4	16:32		0.102
1.1	0.260							
Structure_--(21)		JUNCTION	0.20	0.38	4	14:42		0.102
0.124	0.065							
Structure_--(210)		JUNCTION	0.20	1.41	10	09:08		0.102
0.878	0.335							
Structure_--(211)		JUNCTION	0.20	1.35	10	09:08		0.102
0.663	0.377							
Structure_--(212)		JUNCTION	0.20	1.39	10	09:08		0.102
0.458	0.270							
Structure_--(213)		JUNCTION	0.20	0.61	10	11:49		0.102
0.275	0.063							
Structure_--(214)		JUNCTION	0.20	0.39	5	21:04		0.102
0.119	-0.422							
Structure_--(215)		JUNCTION	0.20	3.31	4	16:31		0.102
2.03	-0.093							
Structure_--(216)		JUNCTION	0.20	3.10	4	16:31		0.102
1.87	0.176							
Structure_--(217)		JUNCTION	0.20	2.82	4	16:32		0.102
1.63	0.297							
Structure_--(218)		JUNCTION	0.20	2.50	4	16:32		0.102
1.36	0.259							

Structure_-(219)	JUNCTION	0.20	1.74	7	03:45	0.102
1.12 0.230						
Structure_-(220)	JUNCTION	0.20	1.74	7	03:45	0.102
0.908 0.286						
Structure_-(221)	JUNCTION	0.20	1.73	7	03:45	0.102
0.694 0.307						
Structure_-(222)	JUNCTION	0.20	1.45	7	03:45	0.102
0.477 0.170						
Structure_-(223)	JUNCTION	0.20	0.64	7	03:49	0.102
0.29 -0.041						
Structure_-(23)	JUNCTION	0.00	1.36	0	12:09	0
3.53 0.001						
Structure_-(230)	JUNCTION	0.00	17.59	3	19:03	0
6.68 0.127						
Structure_-(231)	JUNCTION	0.00	14.66	13	18:58	0
4.24 0.137						
Structure_-(232)	JUNCTION	0.00	2.83	9	18:05	0
2 0.220						
Structure_-(233)	JUNCTION	0.20	2.41	4	16:32	0.102
1.85 0.248						
Structure_-(234)	JUNCTION	0.20	2.12	4	16:32	0.102
1.59 0.157						
Structure_-(235)	JUNCTION	0.20	1.95	4	16:33	0.102
1.34 0.214						
Structure_-(236)	JUNCTION	0.20	1.44	4	16:33	0.102
1.11 0.250						
Structure_-(237)	JUNCTION	0.20	1.27	7	03:17	0.102
0.883 0.327						
Structure_-(238)	JUNCTION	0.20	0.99	10	00:18	0.102
0.663 0.393						
Structure_-(239)	JUNCTION	0.00	1.00	7	03:44	0
0.446 0.246						
Structure_-(24)	JUNCTION	0.00	0.51	5	04:37	0
3.51 0.001						
Structure_-(240)	JUNCTION	0.20	0.56	9	03:32	0.102
0.332 0.042						
Structure_-(241)	JUNCTION	0.20	0.42	10	20:08	0.102
0.135 -0.544						
Structure_-(242)	JUNCTION	0.62	3.41	4	17:00	0.328
1.97 0.035						
Structure_-(243)	JUNCTION	0.93	2.79	4	17:00	0.492
1.89 -0.055						
Structure_-(244)	JUNCTION	0.93	1.86	4	17:00	0.492
1.23 0.032						
Structure_-(245)	JUNCTION	0.93	0.93	4	17:00	0.492
0.492 0.003						
Structure_-(246)	JUNCTION	0.20	9.95	11	16:30	0.102
2.19 0.004						
Structure_-(247)	JUNCTION	0.20	2.70	4	16:32	0.102
1.91 0.259						
Structure_-(248)	JUNCTION	0.20	2.38	4	16:32	0.102
1.66 0.209						
Structure_-(249)	JUNCTION	0.20	2.67	12	18:39	0.102

1.41	0.214						
Structure_--(25)		JUNCTION	0.00	0.51	4	06:32	0
3.51	0.004						
Structure_--(250)		JUNCTION	0.20	1.67	4	16:32	0.102
1.17	0.244						
Structure_--(251)		JUNCTION	0.20	1.48	12	18:38	0.102
0.945	0.304						
Structure_--(252)		JUNCTION	0.20	1.56	12	18:38	0.102
0.727	0.352						
Structure_--(253)		JUNCTION	0.20	1.57	12	18:38	0.102
0.518	0.270						
Structure_--(254)		JUNCTION	0.20	0.62	10	20:00	0.102
0.316	0.027						
Structure_--(255)		JUNCTION	0.20	0.22	7	03:41	0.102
0.131	-0.483						
Structure_--(256)		JUNCTION	0.20	10.87	3	19:03	0.102
2.49	-0.001						
Structure_--(257)		JUNCTION	0.20	3.79	4	16:31	0.102
2.24	0.240						
Structure_--(258)		JUNCTION	0.20	3.46	4	16:32	0.102
1.98	0.094						
Structure_--(259)		JUNCTION	0.20	3.12	4	16:32	0.102
1.73	0.216						
Structure_--(26)		JUNCTION	0.00	0.50	10	05:41	0
3.5	0.013						
Structure_--(260)		JUNCTION	0.20	2.61	4	16:32	0.102
1.5	0.196						
Structure_--(261)		JUNCTION	0.20	2.10	7	03:45	0.102
1.29	0.201						
Structure_--(262)		JUNCTION	0.20	2.09	7	03:45	0.102
1.08	0.194						
Structure_--(263)		JUNCTION	0.20	1.54	11	09:55	0.102
0.88	0.082						
Structure_--(264)		JUNCTION	0.20	1.27	4	16:59	0.102
0.71	0.013						
Structure_--(265)		JUNCTION	0.20	1.07	4	17:00	0.102
0.574	-0.010						
Structure_--(266)		JUNCTION	0.20	0.88	4	16:59	0.102
0.463	0.028						
Structure_--(267)		JUNCTION	0.00	0.69	4	16:32	0
0.36	-0.018						
Structure_--(268)		JUNCTION	0.29	0.49	4	16:59	0.153
0.256	0.005						
Structure_--(269)		JUNCTION	0.20	0.20	4	17:00	0.102
0.102	-0.018						
Structure_--(27)		JUNCTION	0.00	0.50	10	05:59	0
3.48	0.004						
Structure_--(270)		JUNCTION	0.20	0.20	4	17:00	0.102
0.103	-0.020						
Structure_--(273)		JUNCTION	0.29	0.29	4	17:00	0.153
0.153	0.007						
Structure_--(274)		JUNCTION	0.20	0.49	4	17:00	0.102
0.255	-0.001						

Structure_-(275)	JUNCTION	0.20	0.68	4	17:00	0.102
0.358	0.013					
Structure_-(276)	JUNCTION	0.20	1.17	4	17:00	0.102
0.614	0.027					
Structure_-(277)	JUNCTION	0.20	4.55	4	16:34	0.102
1.49	-0.000					
Structure_-(278)	JUNCTION	0.20	7.30	4	16:36	0.102
1.6	-0.022					
Structure_-(28)	JUNCTION	0.00	0.50	6	03:57	0
3.47	0.002					
Structure_-(287)	JUNCTION	0.20	0.97	4	17:00	0.102
0.51	0.240					
Structure_-(288)	JUNCTION	0.29	0.29	4	17:00	0.153
0.153	0.184					
Structure_-(29)	JUNCTION	0.00	0.50	6	04:02	0
3.47	0.004					
Structure_-(298)	JUNCTION	0.29	0.29	4	17:00	0.153
0.153	0.009					
Structure_-(3)	JUNCTION	0.49	1.52	4	16:41	0.255
0.768	0.004					
Structure_-(30)	JUNCTION	0.00	0.50	6	04:10	0
3.46	0.012					
Structure_-(305)	JUNCTION	0.20	0.49	4	17:00	0.102
0.255	0.286					
Structure_-(306)	JUNCTION	0.29	0.29	4	17:00	0.153
0.153	0.221					
Structure_-(31)	JUNCTION	0.00	0.50	6	04:25	0
3.45	0.010					
Structure_-(319)	JUNCTION	0.16	4.96	4	17:00	0.082
2.62	0.002					
Structure_-(32)	JUNCTION	0.00	0.50	5	23:19	0
3.44	0.006					
Structure_-(320)	JUNCTION	0.16	6.66	4	17:00	0.082
3.53	0.001					
Structure_-(325)	JUNCTION	0.16	1.71	4	17:00	0.082
0.902	0.014					
Structure_-(326)	JUNCTION	1.55	1.55	4	17:00	0.82
0.82	0.000					
Structure_-(33)	JUNCTION	0.00	0.50	5	22:54	0
3.44	0.011					
Structure_-(331)	JUNCTION	1.55	1.55	4	17:00	0.82
0.82	0.010					
Structure_-(332)	JUNCTION	1.55	1.55	4	17:00	0.82
0.82	0.011					
Structure_-(333)	JUNCTION	0.16	1.86	4	17:00	0.082
0.984	0.023					
Structure_-(34)	JUNCTION	0.00	0.50	5	22:37	0
3.43	0.021					
Structure_-(341)	JUNCTION	1.55	1.55	4	17:00	0.82
0.82	0.024					
Structure_-(35)	JUNCTION	0.00	0.51	5	22:09	0
3.43	0.016					
Structure_-(37)	JUNCTION	0.20	5.54	4	16:59	0.102



6.19	0.005							
Structure_-(370)		JUNCTION	0.00	1.25	4	16:36		0
0.11	0.003							
Structure_-(371)		JUNCTION	0.00	0.93	4	16:39		0
0.106	0.043							
Structure_-(372)		JUNCTION	0.20	0.20	4	17:00		0.102
0.102	-0.130							
Structure_-(373)		JUNCTION	0.00	0.93	4	16:34		0
0.11	-0.020							
Structure_-(374)		JUNCTION	0.20	0.20	4	17:00		0.102
0.102	0.000							
Structure_-(375)		JUNCTION	0.20	0.41	4	17:00		0.102
0.205	0.003							
Structure_-(376)		JUNCTION	0.20	0.63	4	16:46		0.102
0.307	0.001							
Structure_-(377)		JUNCTION	0.20	0.89	4	16:31		0.102
0.409	0.004							
Structure_-(378)		JUNCTION	0.20	1.26	4	16:31		0.102
0.512	0.005							
Structure_-(379)		JUNCTION	0.00	20.25	4	16:29		0
44.5	0.019							
Structure_-(38)		JUNCTION	0.20	7.64	4	16:43		0.102
7.31	0.005							
Structure_-(380)		JUNCTION	0.00	19.37	4	16:29		0
44.3	0.015							
Structure_-(381)		JUNCTION	0.00	129.54	5	21:09		0
44.3	-0.191							
Structure_-(389)		JUNCTION	0.00	0.00	0	00:00		0
0	0.000 gal							
Structure_-(39)		JUNCTION	0.49	8.44	4	16:42		0.255
7.58	0.003							
Structure_-(390)		JUNCTION	0.00	0.00	0	00:00		0
0	0.000 gal							
Structure_-(391)		JUNCTION	0.20	0.39	4	17:00		0.102
0.204	-0.002							
Structure_-(392)		JUNCTION	0.00	0.39	4	17:00		0
0.212	0.010							
Structure_-(393)		JUNCTION	0.00	2.43	4	17:12		0
0.943	0.064							
Structure_-(394)		JUNCTION	0.00	1.98	4	17:12		0
1.05	0.148							
Structure_-(395)		JUNCTION	3.81	25.16	4	17:05		2.32
45.1	0.008							
Structure_-(396)		JUNCTION	0.20	0.20	4	17:00		0.102
0.102	-0.001							
Structure_-(397)		JUNCTION	0.20	0.71	4	17:12		0.102
0.103	0.034							
Structure_-(398)		JUNCTION	0.20	0.39	4	16:59		0.102
0.206	0.057							
Structure_-(399)		JUNCTION	0.20	0.20	4	17:00		0.102
0.102	-0.077							
Structure_-(4)		JUNCTION	0.49	1.98	4	16:41		0.255
1.02	0.018							

Structure_-(40) 7.91 0.005	JUNCTION	0.49	10.38	4	16:23	0.255
Structure_-(400) 0.409 -0.004	JUNCTION	0.20	0.78	4	17:00	0.102
Structure_-(401) 0.306 0.010	JUNCTION	0.20	0.58	4	17:00	0.102
Structure_-(404) 0.204 0.005	JUNCTION	0.20	0.39	4	17:00	0.102
Structure_-(405) 0.102 0.001	JUNCTION	0.20	0.20	4	17:00	0.102
Structure_-(407) 0.102 0.014	JUNCTION	0.20	0.39	4	17:27	0.102
Structure_-(408) 1.12 0.001	JUNCTION	0.00	2.14	4	17:00	0
Structure_-(41) 8.21 -0.003	JUNCTION	0.49	17.23	4	16:23	0.255
Structure_-(42) 11.7 -0.002	JUNCTION	0.20	22.60	4	16:20	0.102
Structure_-(426) 0.217 -0.014	JUNCTION	0.20	0.58	10	12:02	0.102
Structure_-(427) 0.103 0.210	JUNCTION	0.20	0.20	4	17:00	0.102
Structure_-(43) 11.9 0.002	JUNCTION	0.49	17.91	4	16:32	0.255
Structure_-(431) 47.7 0.000	JUNCTION	0.00	13.37	5	15:00	0
Structure_-(432) 47.7 -0.002	JUNCTION	0.00	13.37	5	15:00	0
Structure_-(433) 47.7 0.007	JUNCTION	0.00	13.37	5	15:00	0
Structure_-(434) 47.7 -0.008	JUNCTION	0.00	13.37	5	15:00	0
Structure_-(435) 47.8 0.031	JUNCTION	0.00	13.37	5	15:00	0
Structure_-(44) 12.1 0.002	JUNCTION	0.49	18.16	4	16:32	0.255
Structure_-(446) 60.9 0.001	JUNCTION	0.00	21.48	5	02:25	0
Structure_-(447) 60.9 0.001	JUNCTION	0.00	21.47	5	02:28	0
Structure_-(448) 60.9 0.005	JUNCTION	0.00	21.47	5	02:33	0
Structure_-(449) 60.9 0.006	JUNCTION	0.00	22.69	0	00:00	0
Structure_-(45) 12.2 0.005	JUNCTION	0.20	18.36	4	16:32	0.102
Structure_-(450) 60.9 0.002	JUNCTION	0.00	47.92	0	00:00	0
Structure_-(451) 60.9 0.000	JUNCTION	0.00	303.74	0	00:00	0
Structure_-(453) 0.157 6.044	JUNCTION	0.00	1.04	4	21:12	0
Structure_-(454)	JUNCTION	0.00	1.20	4	21:12	0

0.175	-1.237						
Structure_--(455)		JUNCTION	0.00	1.30	4	21:12	0
0.181	1.696						
Structure_--(456)		JUNCTION	0.00	1.82	4	16:32	0
0.181	0.043						
Structure_--(457)		JUNCTION	0.00	1.83	4	16:31	0
0.191	1.261						
Structure_--(458)		JUNCTION	0.00	9.58	5	21:21	0
0.269	27.840						
Structure_--(459)		JUNCTION	0.00	22.62	4	16:36	0
60.8	0.004						
Structure_--(46)		JUNCTION	0.20	18.57	4	16:32	0.102
12.3	0.004						
Structure_--(460)		JUNCTION	0.00	21.87	4	16:39	0
60.8	0.001						
Structure_--(461)		JUNCTION	0.00	21.52	4	16:44	0
60.8	0.002						
Structure_--(462)		JUNCTION	0.00	21.49	5	02:17	0
60.8	0.005						
Structure_--(463)		JUNCTION	0.00	21.49	5	02:20	0
60.9	0.005						
Structure_--(469)		JUNCTION	0.20	33.54	0	12:29	0.102
1.75	0.215						
Structure_--(47)		JUNCTION	0.49	25.58	4	16:31	0.255
17.5	0.026						
Structure_--(470)		JUNCTION	0.20	3.04	4	16:32	0.102
0.43	0.012						
Structure_--(471)		JUNCTION	0.20	2.05	4	16:32	0.102
0.323	0.006						
Structure_--(472)		JUNCTION	0.20	1.16	4	16:32	0.102
0.213	-0.151						
Structure_--(473)		JUNCTION	0.20	0.45	6	00:57	0.102
0.104	0.192						
Structure_--(475)		JUNCTION	0.20	0.49	0	00:14	0.102
0.104	0.903						
Structure_--(476)		JUNCTION	0.20	0.60	0	00:08	0.102
0.206	0.204						
Structure_--(477)		JUNCTION	0.20	0.98	0	00:08	0.102
0.41	-0.028						
Structure_--(478)		JUNCTION	0.00	20.97	4	16:29	0
44.3	0.014						
Structure_--(481)		JUNCTION	0.00	0.62	4	16:32	0
0.13	7.850						
Structure_--(482)		JUNCTION	0.00	0.62	4	16:32	0
0.117	0.784						
Structure_--(483)		JUNCTION	0.00	0.62	4	16:32	0
0.119	4.269						
Structure_--(484)		JUNCTION	0.00	0.62	4	16:32	0
0.116	-1.601						
Structure_--(485)		JUNCTION	0.00	0.63	4	16:32	0
0.113	-0.581						
Structure_--(487)		JUNCTION	0.20	0.20	4	17:00	0.102
0.102	-0.058						

Structure_-(489)	JUNCTION	0.20	37.05	0	00:06	0.102
43.6 0.173						
Structure_-(490)	JUNCTION	0.49	0.49	4	17:00	0.255
0.255 0.127						
Structure_-(495)	JUNCTION	0.00	1.17	4	17:00	0
0.613 0.001						
Structure_-(5)	JUNCTION	0.49	2.59	4	16:41	0.255
1.3 0.015						
Structure_-(50)	JUNCTION	0.49	26.02	4	16:31	0.255
17.4 0.022						
Structure_-(502)	JUNCTION	0.20	0.40	4	16:24	0.102
0.102 0.031						
Structure_-(503)	JUNCTION	0.20	5.15	10	20:16	0.102
3.61 -0.055						
Structure_-(51)	JUNCTION	0.49	26.50	4	16:31	0.255
17.8 0.032						
Structure_-(52)	JUNCTION	0.20	29.88	4	16:31	0.102
19.5 0.050						
Structure_-(53)	JUNCTION	0.00	31.00	4	16:31	0
20.6 0.050						
Structure_-(54)	JUNCTION	0.00	31.00	4	16:31	0
21 0.038						
Structure_-(56)	JUNCTION	0.20	2.79	4	17:00	0.102
4.7 0.006						
Structure_-(57)	JUNCTION	0.29	2.23	4	17:00	0.153
1.17 -0.002						
Structure_-(58)	JUNCTION	0.29	1.95	4	17:00	0.153
1.02 0.002						
Structure_-(59)	JUNCTION	0.29	1.65	4	17:00	0.153
0.868 -0.000						
Structure_-(6)	JUNCTION	0.20	2.79	4	16:41	0.102
1.48 -0.013						
Structure_-(60)	JUNCTION	0.29	1.36	4	17:00	0.153
0.715 0.001						
Structure_-(61)	JUNCTION	0.29	1.07	4	17:00	0.153
0.562 0.001						
Structure_-(62)	JUNCTION	0.29	0.78	4	17:00	0.153
0.409 0.003						
Structure_-(63)	JUNCTION	0.49	0.49	4	17:00	0.255
0.255 -0.002						
Structure_-(7)	JUNCTION	0.20	2.96	4	16:41	0.102
1.71 0.014						
Structure_-(70)	JUNCTION	0.29	2.74	4	17:00	0.153
1.39 -0.007						
Structure_-(71)	JUNCTION	0.29	2.63	4	17:01	0.153
1.23 -0.001						
Structure_-(72)	JUNCTION	0.29	2.04	4	17:01	0.153
1.07 0.004						
Structure_-(73)	JUNCTION	0.29	1.75	4	17:00	0.153
0.919 0.001						
Structure_-(74)	JUNCTION	0.29	1.46	4	17:00	0.153
0.766 0.001						
Structure_-(75)	JUNCTION	0.29	1.17	4	17:00	0.153

0.613	0.001						
Structure_-(76)		JUNCTION	0.29	0.88	4	17:00	0.153
0.46	0.002						
Structure_-(77)		JUNCTION	0.29	0.58	4	17:00	0.153
0.306	0.002						
Structure_-(78)		JUNCTION	0.29	0.29	4	17:00	0.153
0.153	0.001						
Structure_-(79)		JUNCTION	0.29	1.89	4	16:44	0.153
1.02	0.001						
Structure_-(8)		JUNCTION	0.20	4.07	10	20:16	0.102
2.32	0.061						
Structure_-(80)		JUNCTION	0.29	1.62	4	17:00	0.153
0.869	-0.001						
Structure_-(81)		JUNCTION	0.29	1.35	4	17:00	0.153
0.715	-0.001						
Structure_-(82)		JUNCTION	0.29	1.07	4	17:00	0.153
0.562	0.002						
Structure_-(83)		JUNCTION	0.29	0.78	4	17:00	0.153
0.409	0.001						
Structure_-(84)		JUNCTION	0.29	0.49	4	17:00	0.153
0.255	0.000						
Structure_-(85)		JUNCTION	0.20	0.20	4	17:00	0.102
0.102	-0.003						
Structure_-(86)		JUNCTION	0.49	10.08	4	16:21	0.255
3.49	0.003						
Structure_-(87)		JUNCTION	0.49	8.11	4	16:24	0.255
3.23	0.011						
Structure_-(88)		JUNCTION	0.49	7.54	4	16:24	0.255
2.96	-0.008						
Structure_-(89)		JUNCTION	0.49	7.28	4	16:19	0.255
2.7	0.019						
Structure_-(9)		JUNCTION	0.20	4.34	10	20:15	0.102
2.69	0.049						
Structure_-(90)		JUNCTION	0.49	6.51	4	16:28	0.255
2.45	-0.032						
Structure_-(92)		JUNCTION	0.49	4.08	4	17:00	0.255
2.17	0.008						
Structure_-(93)		JUNCTION	0.49	3.60	4	17:00	0.255
1.89	-0.000						
Structure_-(94)		JUNCTION	0.49	3.11	4	17:00	0.255
1.63	0.000						
Structure_-(95)		JUNCTION	0.49	2.63	4	17:00	0.255
1.38	0.000						
Structure_-(96)		JUNCTION	0.49	2.14	4	17:00	0.255
1.12	0.002						
Structure_-(97)		JUNCTION	0.49	1.65	4	17:00	0.255
0.868	-0.001						
Structure_-(98)		JUNCTION	0.49	1.17	4	17:00	0.255
0.613	0.001						
Structure_-(99)		JUNCTION	0.00	0.68	4	17:00	0
0.358	0.003						
Structure520		JUNCTION	0.20	0.39	10	12:07	0.102
0.129	0.013						

Structure521	JUNCTION	0.31	1.86	4	17:00	0.164
0.985	0.587					
Structure522	JUNCTION	0.31	3.66	4	17:23	0.164
1.16	0.477					
Structure587	JUNCTION	0.20	23.68	0	00:08	0.102
44	0.161					
Structure593	JUNCTION	0.20	21.51	4	16:29	0.102
44.2	0.163					
Structure602	JUNCTION	0.00	9.81	4	16:37	0
5.3	0.145					
5_Dummy_Outlet	OUTFALL	0.00	0.00	0	00:00	0
0	0.000 gal					
C_Dummy_Outlet	OUTFALL	0.00	0.00	0	00:00	0
0	0.000 gal					
D_Dummy_Outlet	OUTFALL	0.00	0.00	0	00:00	0
0	0.000 gal					
E_Dummy_Outlet	OUTFALL	0.00	0.00	0	00:00	0
0	0.000 gal					
F_Dummy_Outlet	OUTFALL	0.00	0.00	0	00:00	0
0	0.000 gal					
G_Dummy_Outlet	OUTFALL	0.00	0.00	0	00:00	0
0	0.000 gal					
H_Dummy_Outlet	OUTFALL	0.00	0.00	0	00:00	0
0	0.000 gal					
Outfall_002A	OUTFALL	0.00	13.37	5	14:59	0
47.7	0.000					
Outfall003	OUTFALL	0.00	29.87	4	17:07	0
16.4	0.000					
Facility77_Inlet	STORAGE	0.00	184.29	5	20:46	0
75.2	0.038					
PSC_Sump	STORAGE	0.00	21.41	7	03:27	0
59.3	0.001					
RetenionPond	STORAGE	0.00	82.49	0	00:00	0
62.7	0.000					

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#### Node Surcharge Summary

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Surcharging occurs when water rises above the top of the highest conduit.

Node	Type	Hours Surcharged	Max. Height Above Crown Feet	Min. Depth Below Rim Feet
Culvert_Ditch11	JUNCTION	228.52	6.324	0.000
Culvert_Ditch12	JUNCTION	217.26	4.560	0.000
Culvert_Ditch12a	JUNCTION	218.76	5.150	0.000
Culvert_Ditch12b	JUNCTION	227.71	6.250	0.000
Culvert_Ditch12c	JUNCTION	233.34	8.040	0.000
Ditch1_2	JUNCTION	265.63	4.544	0.000
Ditch10_Inlet	JUNCTION	218.67	5.277	0.000

Ditch11_12	JUNCTION	229.45	6.684	0.000
Ditch12_18	JUNCTION	233.19	7.840	0.000
Ditch3_Out	JUNCTION	2.79	0.043	0.000
Ditch9_10_11	JUNCTION	224.47	5.648	0.000
Ditch9_Inlet	JUNCTION	126.46	2.529	0.000
Facility77_PS	JUNCTION	334.77	59.279	0.000
PS004	JUNCTION	234.10	8.980	0.000
PSC_Outlet	JUNCTION	144.86	48.250	0.000
SDCB294	JUNCTION	14.07	0.908	4.092
Structure_-_ (1)	JUNCTION	36.34	2.108	1.392
Structure_-_ (10)	JUNCTION	48.04	3.375	3.065
Structure_-_ (124)	JUNCTION	28.16	1.633	5.277
Structure_-_ (139)	JUNCTION	259.01	5.844	0.556
Structure_-_ (140)	JUNCTION	255.87	5.741	0.309
Structure_-_ (141)	JUNCTION	253.21	5.628	0.000
Structure_-_ (142)	JUNCTION	212.91	4.489	0.000
Structure_-_ (143)	JUNCTION	53.28	3.565	1.495
Structure_-_ (144)	JUNCTION	47.71	3.194	1.216
Structure_-_ (161)	JUNCTION	50.91	3.603	0.000
Structure_-_ (162)	JUNCTION	75.45	4.007	0.000
Structure_-_ (163)	JUNCTION	213.29	4.484	0.000
Structure_-_ (164)	JUNCTION	232.06	4.974	0.000
Structure_-_ (165)	JUNCTION	243.07	5.306	0.000
Structure_-_ (166)	JUNCTION	254.52	5.655	0.000
Structure_-_ (167)	JUNCTION	266.51	6.065	0.000
Structure_-_ (168)	JUNCTION	285.11	6.753	0.000
Structure_-_ (169)	JUNCTION	291.88	7.125	0.000
Structure_-_ (170)	JUNCTION	278.50	6.552	0.938
Structure_-_ (171)	JUNCTION	298.14	7.589	1.181
Structure_-_ (172)	JUNCTION	316.66	9.909	0.000
Structure_-_ (173)	JUNCTION	260.23	5.844	0.000
Structure_-_ (174)	JUNCTION	298.38	7.565	0.000
Structure_-_ (175)	JUNCTION	305.19	8.078	5.202
Structure_-_ (176)	JUNCTION	289.13	7.004	4.326
Structure_-_ (177)	JUNCTION	263.78	6.001	3.339
Structure_-_ (178)	JUNCTION	231.70	4.969	0.000
Structure_-_ (179)	JUNCTION	174.60	4.321	0.000
Structure_-_ (180)	JUNCTION	98.30	4.115	3.175
Structure_-_ (181)	JUNCTION	54.94	3.708	4.192
Structure_-_ (19)	JUNCTION	108.62	4.431	2.849
Structure_-_ (2)	JUNCTION	37.46	2.225	1.705
Structure_-_ (20)	JUNCTION	54.73	3.696	0.000
Structure_-_ (205)	JUNCTION	293.70	7.245	0.000
Structure_-_ (206)	JUNCTION	294.90	7.325	0.000
Structure_-_ (207)	JUNCTION	280.07	6.556	0.000
Structure_-_ (208)	JUNCTION	266.52	6.065	0.000
Structure_-_ (209)	JUNCTION	254.49	5.659	0.000
Structure_-_ (21)	JUNCTION	48.94	3.456	0.044
Structure_-_ (210)	JUNCTION	244.77	5.360	0.000
Structure_-_ (211)	JUNCTION	232.01	4.979	0.000
Structure_-_ (212)	JUNCTION	213.52	4.488	0.000
Structure_-_ (213)	JUNCTION	75.04	4.013	0.000
Structure_-_ (214)	JUNCTION	50.91	3.602	0.000

Structure_-(215)	JUNCTION	299.41	7.634	0.000
Structure_-(216)	JUNCTION	301.75	7.793	0.000
Structure_-(217)	JUNCTION	284.86	6.744	0.000
Structure_-(218)	JUNCTION	274.26	6.353	0.000
Structure_-(219)	JUNCTION	249.06	5.486	0.000
Structure_-(220)	JUNCTION	236.24	5.096	0.000
Structure_-(221)	JUNCTION	217.47	4.590	0.000
Structure_-(222)	JUNCTION	72.67	3.995	0.000
Structure_-(223)	JUNCTION	57.55	3.797	0.000
Structure_-(23)	JUNCTION	283.11	22.531	0.000
Structure_-(230)	JUNCTION	292.52	7.192	0.028
Structure_-(231)	JUNCTION	295.49	7.355	0.000
Structure_-(232)	JUNCTION	290.57	7.046	0.000
Structure_-(233)	JUNCTION	287.93	6.896	0.000
Structure_-(234)	JUNCTION	280.06	6.552	0.000
Structure_-(235)	JUNCTION	266.55	6.063	0.000
Structure_-(236)	JUNCTION	254.39	5.654	0.000
Structure_-(237)	JUNCTION	243.06	5.304	0.000
Structure_-(238)	JUNCTION	231.87	4.974	0.000
Structure_-(239)	JUNCTION	213.51	4.484	0.000
Structure_-(24)	JUNCTION	261.78	12.119	0.000
Structure_-(240)	JUNCTION	60.67	3.916	0.000
Structure_-(241)	JUNCTION	50.81	3.602	0.000
Structure_-(243)	JUNCTION	2.48	1.446	3.774
Structure_-(246)	JUNCTION	284.24	6.715	0.000
Structure_-(247)	JUNCTION	294.99	7.323	0.000
Structure_-(248)	JUNCTION	280.08	6.554	0.000
Structure_-(249)	JUNCTION	266.53	6.064	0.000
Structure_-(25)	JUNCTION	261.76	11.893	0.000
Structure_-(250)	JUNCTION	254.55	5.655	0.000
Structure_-(251)	JUNCTION	243.21	5.306	0.000
Structure_-(252)	JUNCTION	231.92	4.976	0.000
Structure_-(253)	JUNCTION	214.36	4.516	0.000
Structure_-(254)	JUNCTION	75.80	4.007	0.000
Structure_-(255)	JUNCTION	50.92	3.541	0.059
Structure_-(256)	JUNCTION	286.53	6.822	0.000
Structure_-(257)	JUNCTION	301.85	7.793	0.000
Structure_-(258)	JUNCTION	284.89	6.743	0.000
Structure_-(259)	JUNCTION	274.27	6.355	0.000
Structure_-(26)	JUNCTION	261.76	11.122	0.000
Structure_-(260)	JUNCTION	249.01	5.488	0.000
Structure_-(261)	JUNCTION	236.25	5.100	0.000
Structure_-(262)	JUNCTION	217.50	4.590	0.000
Structure_-(263)	JUNCTION	73.21	4.000	0.000
Structure_-(264)	JUNCTION	57.71	3.804	0.000
Structure_-(265)	JUNCTION	49.09	3.320	0.180
Structure_-(266)	JUNCTION	47.38	3.193	1.797
Structure_-(267)	JUNCTION	47.25	3.187	0.803
Structure_-(268)	JUNCTION	42.53	2.700	1.300
Structure_-(269)	JUNCTION	45.27	2.985	1.505
Structure_-(27)	JUNCTION	262.12	9.163	0.000
Structure_-(270)	JUNCTION	41.16	2.554	1.446
Structure_-(277)	JUNCTION	5.41	0.321	3.279



Structure_-(278)	JUNCTION	19.19	1.062	3.138
Structure_-(28)	JUNCTION	262.02	8.916	0.000
Structure_-(29)	JUNCTION	261.87	8.761	0.000
Structure_-(3)	JUNCTION	41.08	2.571	0.999
Structure_-(30)	JUNCTION	261.57	8.148	0.000
Structure_-(31)	JUNCTION	260.66	6.495	0.000
Structure_-(32)	JUNCTION	259.86	5.659	0.000
Structure_-(325)	JUNCTION	0.26	0.035	2.815
Structure_-(33)	JUNCTION	259.30	5.246	0.000
Structure_-(331)	JUNCTION	1.67	1.704	1.976
Structure_-(332)	JUNCTION	0.58	1.637	1.893
Structure_-(34)	JUNCTION	256.72	3.638	0.000
Structure_-(35)	JUNCTION	242.64	1.650	0.000
Structure_-(370)	JUNCTION	21.62	1.216	2.284
Structure_-(371)	JUNCTION	18.90	1.045	2.455
Structure_-(373)	JUNCTION	23.21	1.288	2.212
Structure_-(374)	JUNCTION	24.67	1.364	4.370
Structure_-(375)	JUNCTION	31.64	1.665	4.069
Structure_-(376)	JUNCTION	34.76	1.906	3.827
Structure_-(377)	JUNCTION	34.29	1.848	3.972
Structure_-(378)	JUNCTION	38.48	2.227	3.173
Structure_-(379)	JUNCTION	276.05	5.092	2.058
Structure_-(380)	JUNCTION	234.73	4.306	0.894
Structure_-(381)	JUNCTION	24.76	1.374	2.026
Structure_-(392)	JUNCTION	45.94	2.751	4.139
Structure_-(393)	JUNCTION	37.87	1.991	3.881
Structure_-(394)	JUNCTION	214.05	4.324	4.042
Structure_-(395)	JUNCTION	308.79	5.620	2.000
Structure_-(397)	JUNCTION	16.69	0.691	2.809
Structure_-(398)	JUNCTION	56.35	3.627	0.706
Structure_-(399)	JUNCTION	47.85	2.946	1.388
Structure_-(4)	JUNCTION	38.63	2.330	1.840
Structure_-(400)	JUNCTION	37.12	1.925	1.908
Structure_-(401)	JUNCTION	11.71	0.433	3.700
Structure_-(407)	JUNCTION	31.03	1.524	2.809
Structure_-(408)	JUNCTION	0.87	0.028	3.472
Structure_-(41)	JUNCTION	27.10	3.499	1.461
Structure_-(42)	JUNCTION	27.83	3.310	1.520
Structure_-(426)	JUNCTION	52.17	3.402	0.398
Structure_-(427)	JUNCTION	48.70	3.132	0.268
Structure_-(43)	JUNCTION	35.90	2.276	0.949
Structure_-(44)	JUNCTION	38.27	2.271	3.521
Structure_-(446)	JUNCTION	334.72	21.871	0.000
Structure_-(447)	JUNCTION	334.79	20.290	0.000
Structure_-(448)	JUNCTION	334.95	18.669	0.000
Structure_-(449)	JUNCTION	334.99	11.836	0.000
Structure_-(45)	JUNCTION	38.66	2.281	0.000
Structure_-(450)	JUNCTION	335.00	8.572	0.000
Structure_-(451)	JUNCTION	335.00	8.032	0.000
Structure_-(453)	JUNCTION	250.49	5.456	0.000
Structure_-(454)	JUNCTION	250.50	5.460	0.000
Structure_-(455)	JUNCTION	250.51	5.478	0.000
Structure_-(456)	JUNCTION	250.54	5.512	0.000

Structure_-(457)	JUNCTION	250.69	5.613	0.000
Structure_-(458)	JUNCTION	251.17	5.844	0.000
Structure_-(459)	JUNCTION	334.86	33.838	0.000
Structure_-(46)	JUNCTION	39.25	2.349	0.000
Structure_-(460)	JUNCTION	334.86	33.252	0.000
Structure_-(461)	JUNCTION	334.89	32.106	0.000
Structure_-(462)	JUNCTION	334.90	31.352	0.000
Structure_-(463)	JUNCTION	334.94	28.322	0.000
Structure_-(469)	JUNCTION	246.61	5.410	0.000
Structure_-(47)	JUNCTION	45.53	3.010	2.107
Structure_-(470)	JUNCTION	33.46	1.840	1.160
Structure_-(471)	JUNCTION	31.59	1.694	1.306
Structure_-(472)	JUNCTION	28.43	1.562	1.438
Structure_-(473)	JUNCTION	25.62	1.461	1.539
Structure_-(475)	JUNCTION	334.74	6.631	3.699
Structure_-(476)	JUNCTION	334.76	6.745	3.745
Structure_-(477)	JUNCTION	334.81	7.052	3.438
Structure_-(478)	JUNCTION	310.34	5.629	2.221
Structure_-(481)	JUNCTION	250.45	5.405	0.000
Structure_-(482)	JUNCTION	250.43	5.354	0.000
Structure_-(483)	JUNCTION	250.42	5.304	0.000
Structure_-(484)	JUNCTION	250.40	5.183	0.000
Structure_-(485)	JUNCTION	250.40	5.153	0.000
Structure_-(487)	JUNCTION	334.86	7.677	3.443
Structure_-(5)	JUNCTION	41.85	2.652	2.998
Structure_-(50)	JUNCTION	51.99	3.466	1.401
Structure_-(502)	JUNCTION	33.80	1.819	2.514
Structure_-(503)	JUNCTION	48.35	3.288	3.092
Structure_-(51)	JUNCTION	54.61	3.710	1.237
Structure_-(52)	JUNCTION	59.87	3.883	0.000
Structure_-(53)	JUNCTION	54.29	3.668	1.199
Structure_-(54)	JUNCTION	54.55	3.684	1.183
Structure_-(57)	JUNCTION	3.38	0.184	3.316
Structure_-(58)	JUNCTION	1.99	0.085	3.415
Structure_-(6)	JUNCTION	48.45	3.268	0.000
Structure_-(7)	JUNCTION	46.90	3.167	0.113
Structure_-(70)	JUNCTION	11.01	0.612	2.888
Structure_-(79)	JUNCTION	13.41	0.790	2.710
Structure_-(8)	JUNCTION	50.87	3.414	2.116
Structure_-(80)	JUNCTION	7.79	0.504	2.996
Structure_-(81)	JUNCTION	4.04	0.228	3.272
Structure_-(86)	JUNCTION	12.18	0.697	1.303
Structure_-(87)	JUNCTION	30.40	1.638	1.362
Structure_-(88)	JUNCTION	26.82	1.545	1.455
Structure_-(89)	JUNCTION	24.70	2.409	0.591
Structure_-(9)	JUNCTION	54.20	3.693	2.737
Structure_-(90)	JUNCTION	27.22	3.250	0.000
Structure_-(92)	JUNCTION	5.58	0.352	2.898
Structure520	JUNCTION	51.12	3.392	0.000
Structure587	JUNCTION	308.79	5.569	0.000
Structure593	JUNCTION	309.43	5.585	0.000
Structure602	JUNCTION	48.66	3.285	0.000

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Node Flooding Summary  
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Flooding refers to all water that overflows a node, whether it ponds or not.

Node	Hours Flooded	Maximum Rate CFS	Time of Max Occurrence days hr:min	Total Flood Volume 10 <sup>6</sup> gal	Maximum Poned Depth Feet
Culvert_Ditch11	216.64	0.41	10 12:43	0.062	3.224
Culvert_Ditch12	216.18	0.19	4 22:50	0.041	3.560
Culvert_Ditch12a	216.96	0.36	4 22:03	0.045	4.150
Culvert_Ditch12b	217.13	32.24	4 13:25	0.254	4.150
Culvert_Ditch12c	227.98	17.78	4 13:25	0.418	6.040
Ditch1_2	265.63	7.75	10 12:02	3.639	4.544
Ditch10_Inlet	216.96	33.42	10 12:46	1.491	2.877
Ditch11_12	217.17	0.45	10 12:46	0.066	3.584
Ditch12_18	227.98	2.64	4 14:49	0.197	6.040
Ditch3_Out	2.79	0.58	5 03:12	0.008	0.043
Ditch9_10_11	218.60	95.23	10 12:40	3.938	3.248
Ditch9_Inlet	0.71	67.18	10 12:35	0.213	0.029
Facility77_PS	334.77	22.28	7 19:06	1.565	59.279
PS004	233.03	3.31	4 15:56	0.206	7.540
PSC_Outlet	144.86	7.36	3 18:49	3.128	48.250
Structure_-(141)	17.89	0.10	5 12:27	0.002	0.928
Structure_-(142)	9.61	0.06	5 00:01	0.001	0.489
Structure_-(161)	0.01	0.38	5 21:31	0.000	0.003
Structure_-(162)	12.57	0.31	4 21:15	0.002	0.657
Structure_-(163)	24.43	0.71	5 21:14	0.007	1.284
Structure_-(164)	34.63	0.87	5 21:31	0.016	1.874
Structure_-(165)	38.37	0.82	5 20:57	0.017	2.206
Structure_-(166)	41.88	0.96	4 16:34	0.023	2.555
Structure_-(167)	47.35	1.14	5 21:32	0.029	3.115
Structure_-(168)	56.86	0.80	5 21:28	0.033	3.753
Structure_-(169)	184.53	2.31	11 21:55	0.098	4.325
Structure_-(172)	313.15	32.23	10 01:32	1.423	8.909
Structure_-(173)	4.22	0.23	5 02:05	0.001	0.244
Structure_-(174)	4.24	0.15	5 02:09	0.001	0.245
Structure_-(178)	30.86	0.21	5 20:52	0.005	1.569
Structure_-(179)	12.78	0.04	4 23:44	0.001	0.671
Structure_-(20)	3.68	0.67	4 14:42	0.000	0.196
Structure_-(205)	32.94	0.53	5 21:00	0.009	1.755
Structure_-(206)	184.81	1.29	11 15:25	0.074	4.325
Structure_-(207)	56.90	0.67	11 15:24	0.021	3.756
Structure_-(208)	47.36	0.62	5 21:24	0.020	3.115
Structure_-(209)	41.90	0.93	5 21:14	0.017	2.559
Structure_-(210)	38.93	0.64	5 21:05	0.012	2.260
Structure_-(211)	34.68	0.74	5 21:15	0.012	1.879
Structure_-(212)	24.40	0.60	5 21:04	0.005	1.288
Structure_-(213)	12.58	0.13	5 21:22	0.001	0.663

Structure_-(214)	0.01	0.34	5	21:04	0.000	0.002
Structure_-(215)	16.83	0.19	5	00:10	0.003	0.856
Structure_-(216)	226.28	2.63	11	15:25	0.123	4.793
Structure_-(217)	75.42	0.65	5	21:16	0.032	3.994
Structure_-(218)	53.14	0.66	5	21:11	0.026	3.503
Structure_-(219)	41.22	0.94	5	21:41	0.020	2.486
Structure_-(220)	36.14	0.45	4	21:18	0.011	1.996
Structure_-(221)	27.90	0.98	5	21:40	0.013	1.490
Structure_-(222)	18.24	0.27	5	00:13	0.004	0.945
Structure_-(223)	8.73	0.14	5	00:18	0.001	0.447
Structure_-(23)	283.11	1.34	0	12:09	0.040	22.531
Structure_-(231)	10.63	0.09	5	02:05	0.001	0.525
Structure_-(232)	10.50	0.11	5	02:09	0.001	0.513
Structure_-(233)	41.79	0.64	5	21:53	0.024	2.546
Structure_-(234)	42.17	0.51	5	21:32	0.022	2.572
Structure_-(235)	38.49	0.53	5	21:08	0.016	2.203
Structure_-(236)	39.56	0.55	5	21:48	0.017	2.304
Structure_-(237)	38.49	0.42	5	21:17	0.013	2.204
Structure_-(238)	34.69	0.55	5	21:49	0.012	1.874
Structure_-(239)	24.33	0.58	5	21:16	0.005	1.284
Structure_-(24)	240.31	0.02	4	07:04	0.007	7.619
Structure_-(240)	11.18	0.07	5	00:25	0.001	0.566
Structure_-(241)	0.01	0.36	5	21:16	0.000	0.002
Structure_-(246)	11.18	0.09	4	23:56	0.001	0.565
Structure_-(247)	184.78	2.34	12	18:38	0.082	4.323
Structure_-(248)	56.89	2.17	12	18:38	0.024	3.754
Structure_-(249)	47.37	1.24	12	18:38	0.023	3.114
Structure_-(25)	261.76	0.08	0	12:22	0.019	11.893
Structure_-(250)	41.90	1.38	12	18:39	0.021	2.555
Structure_-(251)	38.42	0.95	12	18:39	0.013	2.206
Structure_-(252)	34.63	0.93	12	18:39	0.013	1.876
Structure_-(253)	24.57	0.32	5	21:15	0.005	1.316
Structure_-(254)	12.56	0.08	5	00:10	0.001	0.657
Structure_-(256)	6.05	0.16	5	02:03	0.001	0.342
Structure_-(257)	226.33	3.69	7	03:45	0.122	4.793
Structure_-(258)	75.51	2.67	7	03:44	0.032	3.993
Structure_-(259)	53.17	1.28	7	03:45	0.025	3.505
Structure_-(26)	261.74	0.08	0	12:33	0.023	11.122
Structure_-(260)	41.30	0.97	5	21:41	0.019	2.488
Structure_-(261)	36.22	0.43	5	21:39	0.010	2.000
Structure_-(262)	28.38	0.86	5	21:45	0.011	1.490
Structure_-(263)	18.32	0.16	5	00:12	0.002	0.950
Structure_-(264)	8.63	0.12	5	00:13	0.001	0.454
Structure_-(27)	261.97	0.03	0	13:33	0.017	9.163
Structure_-(28)	262.01	0.02	0	13:37	0.012	8.916
Structure_-(29)	261.87	0.02	0	13:40	0.013	8.761
Structure_-(30)	261.56	0.02	0	13:46	0.016	8.148
Structure_-(31)	260.63	0.02	0	14:31	0.013	6.495
Structure_-(32)	259.85	0.01	4	08:00	0.009	5.659
Structure_-(33)	259.29	0.01	4	07:59	0.009	5.246
Structure_-(34)	256.71	0.02	4	07:59	0.009	3.638
Structure_-(35)	242.62	0.03	4	17:02	0.003	1.650
Structure_-(446)	334.72	0.83	11	01:01	0.313	21.871

Structure_-(447)	334.79	1.24	0	00:03	0.313	20.290
Structure_-(448)	334.95	4.95	0	00:02	0.464	18.669
Structure_-(449)	334.99	22.69	0	00:00	0.193	11.836
Structure_-(45)	15.19	0.75	4	16:30	0.003	0.781
Structure_-(450)	335.00	44.56	0	00:00	0.037	8.572
Structure_-(451)	335.00	289.37	0	00:00	0.021	8.032
Structure_-(453)	35.67	0.90	4	21:12	0.019	1.956
Structure_-(454)	35.80	0.40	4	16:31	0.004	1.960
Structure_-(455)	35.99	0.25	5	20:53	0.007	1.978
Structure_-(456)	38.06	1.82	4	16:32	0.019	2.179
Structure_-(457)	39.11	1.83	4	16:31	0.020	2.279
Structure_-(458)	41.29	8.47	5	21:21	0.075	2.510
Structure_-(459)	334.86	3.03	7	19:06	0.787	33.838
Structure_-(46)	16.48	0.58	4	16:30	0.004	0.849
Structure_-(460)	334.86	1.83	7	19:06	0.498	33.252
Structure_-(461)	334.89	1.89	11	01:00	0.491	32.106
Structure_-(462)	334.90	2.84	11	01:00	0.742	31.352
Structure_-(463)	334.94	8.68	0	00:03	0.575	28.322
Structure_-(469)	40.36	12.15	5	21:21	0.090	2.410
Structure_-(481)	35.07	0.32	4	17:01	0.010	1.905
Structure_-(482)	34.42	0.14	4	17:01	0.003	1.854
Structure_-(483)	33.59	0.13	4	17:00	0.004	1.804
Structure_-(484)	32.04	0.10	4	17:03	0.003	1.683
Structure_-(485)	31.69	0.11	4	23:08	0.003	1.653
Structure_-(52)	2.47	0.45	5	01:57	0.001	0.116
Structure_-(6)	4.44	0.04	5	01:20	0.001	0.248
Structure520	30.41	0.37	4	21:19	0.007	1.542
Structure587	55.22	1.71	4	15:55	0.104	3.569
Structure593	55.34	1.67	4	15:54	0.104	3.585
Structure602	24.27	2.44	4	16:27	0.009	1.285
RetenionPond	37.84	2.26	5	04:11	1.320	0.000

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Storage Volume Summary  
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Time of Max Occurrence		Average	Avg	Evap	Exfil	Maximum	Max
Storage Unit	Outflow	Volume	Pcnt	Pcnt	Pcnt	Volume	Pcnt
days hr:min	CFS	1000 ft3	Full	Loss	Loss	1000 ft3	Full
Facility77_Inlet		6.914	68	0	0	9.424	92
5 02:40	184.70						
PSC_Sump		2.513	38	0	0	5.785	87
5 04:28	21.59						

RetenionPond                    290.984            71            0            0            407.834            100  
 5 03:26            303.74

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 Outfall Loading Summary  
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Outfall Node	Flow Freq Pcnt	Avg Flow CFS	Max Flow CFS	Total Volume 10^6 gal
5_Dummy_Outlet	0.00	0.00	0.00	0.000
C_Dummy_Outlet	0.00	0.00	0.00	0.000
D_Dummy_Outlet	0.00	0.00	0.00	0.000
E_Dummy_Outlet	0.00	0.00	0.00	0.000
F_Dummy_Outlet	0.00	0.00	0.00	0.000
G_Dummy_Outlet	0.00	0.00	0.00	0.000
H_Dummy_Outlet	0.00	0.00	0.00	0.000
Outfall_002A	55.55	9.86	13.37	47.743
Outfall003	99.99	1.87	29.87	16.360
System	17.28	11.73	43.23	64.103

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 Link Flow Summary  
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Link	Type	Maximum  Flow  CFS	Time of Max Occurrence days hr:min	Maximum  Veloc  ft/sec	Max/ Full Flow
172_to_Inlet	CONDUIT	175.15	7 02:40	21.27	0.05
1.00					
278_to_PS_B	CONDUIT	6.23	4 16:37	1.66	0.07
1.00					
381_to_PS77	CONDUIT	181.66	5 20:46	3.50	0.76
1.00					
458_to_Inlet	CONDUIT	9.58	5 21:21	5.08	0.04
1.00					
469_to_Inlet	CONDUIT	33.49	0 12:29	19.85	0.06
1.00					
Culvert11	CONDUIT	3.42	4 12:23	4.36	35.45
1.00					
Culvert12	CONDUIT	4.35	4 16:03	5.53	39.01

1.00	Culvert12a	CONDUIT	13.40	4	13:24	3.79	20.40
1.00	Culvert12c	CONDUIT	4.25	4	15:42	2.57	2.04
1.00	Ditch_77	CONDUIT	20.68	4	16:30	1.02	0.93
1.00	Ditch10	CONDUIT	47.56	4	17:03	1.72	0.49
1.00	Ditch11	CONDUIT	3.39	4	12:23	0.18	0.02
1.00	Ditch12	CONDUIT	20.67	4	13:24	1.34	0.08
1.00	Ditch12a	CONDUIT	7.70	4	15:55	0.57	0.02
1.00	Ditch13	CONDUIT	3.38	4	17:23	0.09	0.30
0.83	Ditch14	CONDUIT	3.36	4	17:01	0.18	0.03
0.61	Ditch15	CONDUIT	4.20	4	17:07	1.47	0.21
0.52	Ditch16	CONDUIT	5.09	4	17:08	1.48	0.04
0.29	Ditch17	CONDUIT	5.99	4	17:07	0.71	0.02
0.27	Ditch18	CONDUIT	3.78	4	15:56	1.24	0.01
1.00	Ditch2	CONDUIT	57.82	0	00:03	0.32	1.25
1.00	Ditch3	CONDUIT	77.33	0	00:03	2.21	0.05
0.95	Ditch3_4	CONDUIT	294.51	0	00:00	4.28	0.14
1.00	Ditch4	CONDUIT	6.81	10	13:15	0.05	0.00
0.65	Ditch4_489	CONDUIT	37.05	0	00:06	1.76	0.42
0.73	Ditch5	CONDUIT	17.92	4	17:03	1.15	0.04
0.23	Ditch6	CONDUIT	23.69	4	17:05	1.73	0.43
0.19	Ditch7	CONDUIT	23.93	4	17:11	2.41	0.03
0.15	Ditch8	CONDUIT	29.87	4	17:07	4.02	0.03
0.25	Ditch9	CONDUIT	66.43	10	12:35	1.12	0.18
1.00	Facility73_to_Pond	CONDUIT	303.74	0	00:00	>50.00	87.74
1.00	Pipe_-(1)	CONDUIT	0.54	4	16:41	1.15	0.11
1.00	Pipe_-(10)	CONDUIT	5.12	10	20:16	1.30	0.96
1.00							

1.00	Pipe_-(10)_1	CONDUIT	5.63	7	03:49	1.24	0.42
1.00	Pipe_-(117)	CONDUIT	3.72	4	16:31	1.75	0.17
1.00	Pipe_-(118)	CONDUIT	3.57	4	16:31	3.23	0.36
0.82	Pipe_-(119)	CONDUIT	1.65	4	17:01	3.05	0.10
0.77	Pipe_-(120)	CONDUIT	0.68	4	17:01	2.14	0.21
0.39	Pipe_-(122)	CONDUIT	0.49	4	17:00	1.91	0.10
0.23	Pipe_-(123)	CONDUIT	0.29	4	17:00	2.13	0.09
0.63	Pipe_-(124)	CONDUIT	0.68	4	17:00	2.74	0.28
0.29	Pipe_-(125)	CONDUIT	0.49	4	17:00	2.53	0.11
0.19	Pipe_-(126)	CONDUIT	0.29	4	17:00	2.73	0.06
0.57	Pipe_-(127)	CONDUIT	0.78	4	17:00	2.69	0.16
0.27	Pipe_-(128)	CONDUIT	0.29	4	17:00	1.72	0.09
0.25	Pipe_-(130)	CONDUIT	0.29	4	17:00	1.95	0.05
1.00	Pipe_-(133)	CONDUIT	1.44	9	18:01	2.55	0.29
1.00	Pipe_-(134)	CONDUIT	1.02	4	16:30	1.30	0.58
1.00	Pipe_-(135)	CONDUIT	0.83	4	16:30	1.06	0.47
1.00	Pipe_-(136)	CONDUIT	0.64	4	16:30	1.24	0.09
1.00	Pipe_-(137)	CONDUIT	0.51	10	20:13	2.51	0.08
1.00	Pipe_-(138)	CONDUIT	1.03	4	12:34	2.22	0.15
1.00	Pipe_-(153)	CONDUIT	0.46	10	04:37	0.89	0.13
1.00	Pipe_-(154)	CONDUIT	1.05	11	15:24	0.86	0.17
1.00	Pipe_-(155)	CONDUIT	0.99	11	15:24	0.73	0.12
1.00	Pipe_-(156)	CONDUIT	1.02	11	15:24	0.80	0.10
1.00	Pipe_-(157)	CONDUIT	1.94	4	16:32	0.91	0.18
1.00	Pipe_-(158)	CONDUIT	2.53	4	16:32	1.05	0.25
1.00	Pipe_-(159)	CONDUIT	2.91	4	16:32	1.21	0.20
1.00	Pipe_-(160)	CONDUIT	3.28	4	16:31	1.56	0.30



1.00	Pipe_-(161)	CONDUIT	4.45	3	18:59	1.74	0.42
1.00	Pipe_-(162)	CONDUIT	12.19	3	19:00	5.78	0.18
1.00	Pipe_-(163)	CONDUIT	19.67	4	16:31	2.57	0.14
1.00	Pipe_-(164)	CONDUIT	7.24	4	16:31	3.23	0.07
1.00	Pipe_-(165)	CONDUIT	4.01	4	16:31	1.28	0.20
1.00	Pipe_-(166)	CONDUIT	1.38	7	02:59	0.78	0.24
1.00	Pipe_-(167)	CONDUIT	1.38	7	02:59	0.80	0.13
1.00	Pipe_-(168)	CONDUIT	1.11	9	18:16	1.82	0.15
1.00	Pipe_-(169)	CONDUIT	0.78	4	17:01	1.00	0.10
1.00	Pipe_-(170)	CONDUIT	0.73	7	03:28	0.95	0.16
1.00	Pipe_-(171)	CONDUIT	0.77	11	15:25	0.87	0.35
1.00	Pipe_-(172)	CONDUIT	0.44	10	20:14	0.67	0.14
1.00	Pipe_-(18)	CONDUIT	0.28	12	13:33	0.40	0.03
1.00	Pipe_-(19)	CONDUIT	1.39	7	03:47	0.84	0.27
1.00	Pipe_-(196)	CONDUIT	6.61	9	18:00	4.01	0.14
1.00	Pipe_-(197)	CONDUIT	2.74	4	16:31	1.13	0.25
1.00	Pipe_-(198)	CONDUIT	2.57	4	16:32	0.87	0.16
1.00	Pipe_-(199)	CONDUIT	2.25	4	16:32	1.06	0.15
1.00	Pipe_-(2)	CONDUIT	1.05	4	16:41	1.60	0.21
1.00	Pipe_-(20)	CONDUIT	0.59	7	03:47	0.86	0.12
1.00	Pipe_-(200)	CONDUIT	2.07	4	16:32	0.86	0.20
1.00	Pipe_-(201)	CONDUIT	1.51	4	16:32	0.90	0.15
1.00	Pipe_-(202)	CONDUIT	1.39	10	09:08	0.81	0.13
1.00	Pipe_-(203)	CONDUIT	1.34	10	09:08	0.76	0.17
1.00	Pipe_-(204)	CONDUIT	1.38	10	09:08	1.14	0.22
1.00	Pipe_-(205)	CONDUIT	0.50	9	11:29	0.96	0.14
1.00							

Pipe_-(206)	CONDUIT	3.32	4	16:31	1.06	0.06
1.00						
Pipe_-(207)	CONDUIT	3.13	4	16:31	1.00	0.29
1.00						
Pipe_-(208)	CONDUIT	2.92	4	16:31	0.93	0.16
1.00						
Pipe_-(209)	CONDUIT	2.64	4	16:32	1.04	0.15
1.00						
Pipe_-(210)	CONDUIT	2.32	4	16:32	1.13	0.17
1.00						
Pipe_-(211)	CONDUIT	1.73	7	03:45	0.75	0.14
1.00						
Pipe_-(212)	CONDUIT	1.73	7	03:45	0.85	0.15
1.00						
Pipe_-(213)	CONDUIT	1.73	7	03:45	0.73	0.16
1.00						
Pipe_-(214)	CONDUIT	1.45	7	03:45	0.88	0.18
1.00						
Pipe_-(215)	CONDUIT	0.63	7	03:45	0.76	0.13
1.00						
Pipe_-(22)	CONDUIT	0.51	5	04:37	10.46	9.90
1.00						
Pipe_-(221)	CONDUIT	9.09	7	02:48	3.07	0.09
1.00						
Pipe_-(222)	CONDUIT	5.84	7	02:49	2.09	0.11
1.00						
Pipe_-(223)	CONDUIT	3.31	3	19:06	1.62	0.13
1.00						
Pipe_-(224)	CONDUIT	2.41	4	16:32	1.84	0.13
1.00						
Pipe_-(225)	CONDUIT	2.23	4	16:32	0.86	0.11
1.00						
Pipe_-(226)	CONDUIT	1.94	4	16:32	1.03	0.13
1.00						
Pipe_-(227)	CONDUIT	1.77	4	16:33	0.77	0.17
1.00						
Pipe_-(228)	CONDUIT	1.27	7	03:17	0.81	0.11
1.00						
Pipe_-(229)	CONDUIT	0.98	10	00:18	0.83	0.10
1.00						
Pipe_-(23)	CONDUIT	0.51	4	06:32	2.60	1.74
1.00						
Pipe_-(230)	CONDUIT	0.99	7	03:44	0.56	0.12
1.00						
Pipe_-(231)	CONDUIT	1.00	7	03:44	0.85	0.15
1.00						
Pipe_-(232)	CONDUIT	0.48	10	00:19	0.92	0.14
1.00						
Pipe_-(234)	CONDUIT	2.79	4	17:00	1.58	0.36
1.00						
Pipe_-(235)	CONDUIT	1.86	4	17:00	1.52	0.16
0.69						
Pipe_-(236)	CONDUIT	0.93	4	17:00	1.85	0.16

0.35							
1.00	Pipe_-(237)	CONDUIT	13.25	11	16:30	5.90	0.15
1.00	Pipe_-(238)	CONDUIT	3.90	13	18:58	1.60	0.34
1.00	Pipe_-(239)	CONDUIT	2.52	4	16:32	1.34	0.16
1.00	Pipe_-(24)	CONDUIT	0.50	10	05:41	2.57	1.72
1.00	Pipe_-(240)	CONDUIT	2.20	4	16:32	1.06	0.15
1.00	Pipe_-(241)	CONDUIT	2.03	4	16:32	0.84	0.20
1.00	Pipe_-(242)	CONDUIT	1.49	4	16:32	0.91	0.14
1.00	Pipe_-(243)	CONDUIT	1.47	12	18:38	0.83	0.15
1.00	Pipe_-(244)	CONDUIT	1.55	12	18:38	0.88	0.20
1.00	Pipe_-(245)	CONDUIT	1.57	12	18:38	1.30	0.24
1.00	Pipe_-(246)	CONDUIT	0.50	10	09:08	0.95	0.14
1.00	Pipe_-(247)	CONDUIT	13.34	13	18:59	5.84	0.13
1.00	Pipe_-(248)	CONDUIT	4.85	13	18:59	1.62	0.45
1.00	Pipe_-(249)	CONDUIT	3.61	4	16:31	1.42	0.20
1.00	Pipe_-(25)	CONDUIT	0.50	10	05:59	2.56	1.72
1.00	Pipe_-(250)	CONDUIT	3.28	4	16:32	1.19	0.19
1.00	Pipe_-(251)	CONDUIT	2.94	4	16:32	1.52	0.22
1.00	Pipe_-(252)	CONDUIT	2.43	4	16:32	1.12	0.20
1.00	Pipe_-(253)	CONDUIT	2.10	7	03:45	1.29	0.18
1.00	Pipe_-(254)	CONDUIT	2.09	7	03:45	1.18	0.19
1.00	Pipe_-(255)	CONDUIT	1.50	11	09:55	1.04	0.18
1.00	Pipe_-(256)	CONDUIT	1.07	4	16:59	1.21	0.20
1.00	Pipe_-(257)	CONDUIT	0.89	4	16:32	1.22	0.32
1.00	Pipe_-(258)	CONDUIT	0.69	4	16:32	1.74	2.79
1.00	Pipe_-(259)	CONDUIT	0.49	4	16:59	1.51	0.18
1.00	Pipe_-(26)	CONDUIT	0.50	6	03:57	2.56	1.70

1.00	Pipe_-(260)	CONDUIT	0.20	4	16:57	1.69	0.37
1.00	Pipe_-(261)	CONDUIT	0.22	4	16:32	0.72	0.08
0.20	Pipe_-(264)	CONDUIT	0.29	4	17:00	1.64	0.11
0.28	Pipe_-(265)	CONDUIT	0.49	4	17:00	1.77	0.10
0.50	Pipe_-(266)	CONDUIT	0.68	4	17:00	2.59	0.10
0.92	Pipe_-(267)	CONDUIT	1.19	4	16:54	2.80	0.08
1.00	Pipe_-(268)	CONDUIT	7.11	4	16:36	3.62	0.28
1.00	Pipe_-(27)	CONDUIT	0.50	6	04:02	2.56	1.74
0.60	Pipe_-(277)	CONDUIT	0.97	4	17:00	2.98	0.08
0.94	Pipe_-(278)	CONDUIT	0.29	4	17:00	0.38	0.08
1.00	Pipe_-(28)	CONDUIT	0.50	6	04:10	2.55	1.71
0.95	Pipe_-(285)	CONDUIT	0.49	4	17:00	0.63	0.15
0.51	Pipe_-(288)	CONDUIT	0.29	4	17:00	1.21	0.02
1.00	Pipe_-(29)	CONDUIT	0.50	6	04:25	2.55	1.73
0.57	Pipe_-(295)	CONDUIT	0.49	4	17:00	2.07	0.05
0.91	Pipe_-(296)	CONDUIT	0.29	4	17:00	0.39	0.09
1.00	Pipe_-(3)	CONDUIT	1.52	4	16:41	1.98	0.30
1.00	Pipe_-(30)	CONDUIT	0.50	5	23:19	2.56	1.74
0.75	Pipe_-(307)	CONDUIT	1.55	4	17:01	1.09	0.33
0.83	Pipe_-(308)	CONDUIT	4.96	4	17:00	3.15	1.07
0.74	Pipe_-(309)	CONDUIT	6.66	4	17:00	4.78	1.47
1.00	Pipe_-(31)	CONDUIT	0.50	5	22:54	2.56	1.72
0.58	Pipe_-(310)	CONDUIT	10.54	4	17:00	7.28	0.59
0.54	Pipe_-(311)	CONDUIT	13.95	4	17:00	5.18	0.41
0.68	Pipe_-(312)	CONDUIT	14.88	4	17:01	4.28	0.67
1.00	Pipe_-(313)	CONDUIT	1.71	4	17:00	1.39	1.17
	Pipe_-(314)	CONDUIT	1.55	4	17:00	2.57	0.39

0.72							
Pipe_-(319)	CONDUIT	1.55	4	17:00	7.91	1.11	
1.00							
Pipe_-(32)	CONDUIT	0.50	5	22:37	2.57	1.73	
1.00							
Pipe_-(320)	CONDUIT	1.55	4	17:00	7.91	0.97	
1.00							
Pipe_-(321)	CONDUIT	1.86	4	17:00	2.91	0.15	
0.52							
Pipe_-(322)	CONDUIT	1.71	4	17:00	2.04	0.34	
0.64							
Pipe_-(323)	CONDUIT	1.55	4	17:00	2.61	1.14	
0.71							
Pipe_-(327)	CONDUIT	1.86	4	17:00	1.61	0.34	
0.62							
Pipe_-(328)	CONDUIT	1.71	4	17:00	3.10	0.30	
0.47							
Pipe_-(329)	CONDUIT	1.55	4	17:00	3.84	0.34	
0.51							
Pipe_-(33)	CONDUIT	0.51	5	22:09	2.58	1.74	
1.00							
Pipe_-(331)	CONDUIT	1.55	4	17:00	5.97	0.27	
0.38							
Pipe_-(333)	CONDUIT	1.71	4	17:00	2.17	1.23	
1.00							
Pipe_-(334)	CONDUIT	1.55	4	17:00	4.44	0.19	
0.58							
Pipe_-(337)	CONDUIT	3.97	4	17:14	0.76	0.18	
0.45							
Pipe_-(338)	CONDUIT	3.43	4	17:04	0.69	0.15	
0.43							
Pipe_-(34)	CONDUIT	0.53	5	21:52	3.13	1.80	
1.00							
Pipe_-(340)	CONDUIT	0.62	4	17:00	0.48	0.01	
0.44							
Pipe_-(35)	CONDUIT	2.74	4	16:49	1.97	0.06	
0.58							
Pipe_-(358)	CONDUIT	1.25	4	16:36	2.58	0.13	
1.00							
Pipe_-(359)	CONDUIT	0.19	4	17:01	1.86	0.03	
0.64							
Pipe_-(36)	CONDUIT	5.49	4	16:43	2.93	0.11	
0.66							
Pipe_-(360)	CONDUIT	0.93	4	16:34	3.03	0.14	
1.00							
Pipe_-(361)	CONDUIT	0.22	4	17:01	2.12	0.17	
1.00							
Pipe_-(362)	CONDUIT	0.44	4	16:42	2.75	0.30	
1.00							
Pipe_-(363)	CONDUIT	0.71	4	16:31	3.34	0.56	
1.00							
Pipe_-(364)	CONDUIT	1.07	4	16:31	4.22	0.32	
1.00							

1.00	Pipe_-(365)	CONDUIT	1.27	4	15:51	2.18	0.11
1.00	Pipe_-(366)	CONDUIT	19.37	4	16:29	2.01	0.22
1.00	Pipe_-(367)	CONDUIT	19.37	4	16:29	2.01	0.36
1.00	Pipe_-(369)	CONDUIT	0.52	4	16:24	3.78	0.08
0.71	Pipe_-(37)	CONDUIT	7.97	4	16:42	3.92	0.17
1.00	Pipe_-(370)	CONDUIT	20.25	4	16:29	2.87	3.23
0.00	Pipe_-(374)	CONDUIT	0.00	0	00:00	0.00	0.00
0.12	Pipe_-(375)	CONDUIT	0.00	0	00:00	0.00	0.00
0.14	Pipe_-(376)	CONDUIT	0.19	4	17:00	1.62	0.04
1.00	Pipe_-(377)	CONDUIT	0.39	4	17:00	0.40	0.04
1.00	Pipe_-(378)	CONDUIT	1.89	4	17:20	1.07	0.11
1.00	Pipe_-(379)	CONDUIT	1.98	4	17:12	1.12	0.12
0.76	Pipe_-(38)	CONDUIT	9.94	4	16:23	5.79	0.20
0.62	Pipe_-(380)	CONDUIT	0.39	4	17:00	2.97	0.07
1.00	Pipe_-(381)	CONDUIT	0.93	4	17:12	4.98	0.02
1.00	Pipe_-(382)	CONDUIT	0.39	4	17:00	1.12	0.19
1.00	Pipe_-(383)	CONDUIT	0.20	4	16:59	2.24	0.10
1.00	Pipe_-(384)	CONDUIT	0.90	4	17:16	3.83	0.18
1.00	Pipe_-(385)	CONDUIT	0.58	4	17:00	4.39	0.34
0.61	Pipe_-(386)	CONDUIT	0.39	4	17:00	4.50	0.19
0.25	Pipe_-(387)	CONDUIT	0.19	4	17:00	2.88	0.09
1.00	Pipe_-(389)	CONDUIT	0.52	4	17:28	3.83	0.08
0.89	Pipe_-(39)	CONDUIT	16.79	4	16:23	3.40	0.11
0.97	Pipe_-(390)	CONDUIT	2.14	4	17:00	2.66	0.35
1.00	Pipe_-(4)	CONDUIT	2.13	4	16:41	1.81	0.19
1.00	Pipe_-(40)	CONDUIT	13.55	4	16:35	2.30	0.39
	Pipe_-(404)	CONDUIT	0.81	10	12:02	1.48	0.11

1.00	Pipe_-(405)	CONDUIT	0.20	4	16:59	1.35	0.08
1.00	Pipe_-(408)	CONDUIT	13.37	5	14:59	6.79	0.22
0.42	Pipe_-(409)	CONDUIT	13.37	5	15:00	7.11	0.32
0.51	Pipe_-(41)	CONDUIT	17.45	4	16:32	3.06	0.31
1.00	Pipe_-(410)	CONDUIT	13.37	5	15:00	5.49	0.32
0.50	Pipe_-(411)	CONDUIT	13.37	5	15:00	6.32	0.32
0.45	Pipe_-(412)	CONDUIT	13.37	5	15:00	6.96	0.38
0.41	Pipe_-(42)	CONDUIT	17.71	4	16:32	3.07	0.37
1.00	Pipe_-(423)	CONDUIT	21.47	5	02:28	12.15	1.91
1.00	Pipe_-(424)	CONDUIT	21.47	5	02:33	12.15	1.93
1.00	Pipe_-(425)	CONDUIT	21.46	5	02:38	12.14	1.91
1.00	Pipe_-(426)	CONDUIT	22.69	0	00:00	13.00	2.03
1.00	Pipe_-(427)	CONDUIT	47.92	0	00:00	27.12	4.35
1.00	Pipe_-(429)	CONDUIT	1.04	4	21:12	0.59	0.37
1.00	Pipe_-(43)	CONDUIT	18.18	4	16:32	3.43	0.36
1.00	Pipe_-(430)	CONDUIT	1.20	4	21:12	0.68	0.40
1.00	Pipe_-(431)	CONDUIT	1.30	4	21:12	0.74	0.27
1.00	Pipe_-(432)	CONDUIT	1.80	4	16:34	0.82	0.28
1.00	Pipe_-(433)	CONDUIT	2.40	4	16:31	1.10	0.50
1.00	Pipe_-(434)	CONDUIT	22.62	4	16:36	10.37	1.64
1.00	Pipe_-(435)	CONDUIT	21.87	4	16:39	10.02	1.62
1.00	Pipe_-(436)	CONDUIT	21.52	4	16:44	9.86	1.42
1.00	Pipe_-(437)	CONDUIT	21.49	5	02:17	9.85	1.59
1.00	Pipe_-(438)	CONDUIT	21.49	5	02:20	9.85	1.56
1.00	Pipe_-(439)	CONDUIT	21.48	5	02:25	24.89	0.07
1.00	Pipe_-(44)	CONDUIT	18.39	4	16:32	4.28	0.37
1.00							

1.00	Pipe_-(443)	CONDUIT	3.46	4	16:32	5.16	0.07
1.00	Pipe_-(444)	CONDUIT	2.47	4	16:32	2.61	0.15
1.00	Pipe_-(445)	CONDUIT	1.46	4	16:32	1.63	0.09
1.00	Pipe_-(446)	CONDUIT	0.52	4	16:34	1.20	0.03
1.00	Pipe_-(447)	CONDUIT	0.49	0	00:14	1.08	0.08
1.00	Pipe_-(448)	CONDUIT	0.58	0	00:08	1.02	0.10
1.00	Pipe_-(449)	CONDUIT	0.93	0	00:08	1.12	0.16
1.00	Pipe_-(45)	CONDUIT	18.67	4	16:32	2.07	0.32
1.00	Pipe_-(450)	CONDUIT	20.97	4	16:29	2.97	1.38
1.00	Pipe_-(452)	CONDUIT	0.59	4	16:35	0.33	0.72
1.00	Pipe_-(453)	CONDUIT	0.62	4	16:32	0.37	0.19
1.00	Pipe_-(454)	CONDUIT	0.62	4	16:32	0.45	0.21
1.00	Pipe_-(455)	CONDUIT	0.62	4	16:32	0.62	0.07
1.00	Pipe_-(456)	CONDUIT	0.62	4	16:32	0.78	0.12
1.00	Pipe_-(460)	CONDUIT	0.20	4	16:59	1.23	0.39
1.00	Pipe_-(461)	CONDUIT	23.68	0	00:08	7.76	15.31
1.00	Pipe_-(462)	CONDUIT	25.15	4	17:05	5.23	0.73
0.46	Pipe_-(467)	CONDUIT	18.66	4	17:03	3.60	0.45
1.00	Pipe_-(47)	CONDUIT	25.57	4	16:31	2.12	0.34
0.61	Pipe_-(474)	CONDUIT	1.17	4	17:00	2.49	0.19
1.00	Pipe_-(49)	CONDUIT	26.04	4	16:31	1.83	0.49
1.00	Pipe_-(5)	CONDUIT	2.61	4	16:41	1.71	0.24
1.00	Pipe_-(50)	CONDUIT	26.51	4	16:31	1.86	0.60
1.00	Pipe_-(51)	CONDUIT	29.88	4	16:31	2.10	3.73
1.00	Pipe_-(52)	CONDUIT	31.00	4	16:31	2.18	1.54
1.00	Pipe_-(53)	CONDUIT	31.01	4	16:31	2.72	0.58
	Pipe_-(54)	CONDUIT	2.23	4	17:00	2.99	0.44



1.00							
Pipe_-(55)	CONDUIT	1.94	4	17:01	2.50	0.39	
1.00							
Pipe_-(56)	CONDUIT	1.65	4	17:00	2.34	0.32	
0.93							
Pipe_-(57)	CONDUIT	1.36	4	17:00	2.22	0.27	
0.81							
Pipe_-(58)	CONDUIT	1.07	4	17:00	1.94	0.21	
0.74							
Pipe_-(59)	CONDUIT	0.78	4	17:00	1.66	0.15	
0.67							
Pipe_-(6)	CONDUIT	2.78	4	16:41	1.72	0.25	
1.00							
Pipe_-(60)	CONDUIT	0.49	4	17:00	1.41	0.10	
0.56							
Pipe_-(65)	CONDUIT	2.62	4	17:00	2.59	0.51	
1.00							
Pipe_-(66)	CONDUIT	2.44	4	17:00	3.60	0.15	
0.82							
Pipe_-(67)	CONDUIT	2.34	4	17:01	4.74	0.46	
0.63							
Pipe_-(68)	CONDUIT	1.75	4	17:01	2.70	0.34	
0.52							
Pipe_-(69)	CONDUIT	1.46	4	17:01	2.32	0.29	
0.39							
Pipe_-(7)	CONDUIT	3.02	4	16:41	1.42	0.18	
1.00							
Pipe_-(70)	CONDUIT	1.17	4	17:00	2.14	0.23	
0.35							
Pipe_-(71)	CONDUIT	0.88	4	17:00	1.93	0.17	
0.30							
Pipe_-(72)	CONDUIT	0.58	4	17:00	1.65	0.11	
0.25							
Pipe_-(73)	CONDUIT	0.29	4	17:00	1.29	0.09	
0.24							
Pipe_-(74)	CONDUIT	1.97	4	16:43	1.88	0.40	
1.00							
Pipe_-(75)	CONDUIT	1.61	4	16:44	2.05	0.32	
1.00							
Pipe_-(76)	CONDUIT	1.32	4	17:00	2.17	0.26	
1.00							
Pipe_-(77)	CONDUIT	1.06	4	17:00	2.04	0.21	
1.00							
Pipe_-(78)	CONDUIT	0.78	4	17:00	1.84	0.15	
0.91							
Pipe_-(79)	CONDUIT	0.49	4	17:00	1.52	0.10	
0.75							
Pipe_-(8)	CONDUIT	4.32	10	20:15	1.07	0.25	
1.00							
Pipe_-(80)	CONDUIT	0.19	4	17:00	1.04	0.06	
0.71							
Pipe_-(81)	CONDUIT	9.86	4	16:23	4.27	0.23	
1.00							

1.00	Pipe_-(82)	CONDUIT	9.64	4	16:21	3.44	0.66
1.00	Pipe_-(83)	CONDUIT	7.67	4	16:24	2.99	0.51
1.00	Pipe_-(84)	CONDUIT	7.10	4	16:24	3.09	0.51
1.00	Pipe_-(85)	CONDUIT	6.84	4	16:19	3.44	1.09
1.00	Pipe_-(87)	CONDUIT	6.06	4	16:28	4.19	0.24
1.00	Pipe_-(88)	CONDUIT	3.59	4	17:00	5.27	0.30
0.94	Pipe_-(89)	CONDUIT	3.11	4	17:00	3.76	0.29
1.00	Pipe_-(9)	CONDUIT	4.67	10	20:15	1.11	0.71
0.89	Pipe_-(90)	CONDUIT	2.63	4	17:00	3.11	0.47
1.00	Pipe_-(91)	CONDUIT	2.14	4	17:00	2.61	0.69
0.82	Pipe_-(92)	CONDUIT	1.65	4	17:00	2.52	0.27
0.67	Pipe_-(93)	CONDUIT	1.17	4	17:00	2.24	0.19
0.52	Pipe_-(94)	CONDUIT	0.68	4	17:00	1.83	0.11
0.36	Pipe_-(95)	CONDUIT	0.39	4	17:00	1.59	0.06
0.24	Pipe_-(96)	CONDUIT	0.19	4	17:00	1.12	0.03
0.40	Pipe_-(97)	CONDUIT	0.29	4	17:00	1.30	0.05
1.00	Pipe_PS_A	CONDUIT	0.63	4	16:32	1.31	0.01
1.00	Pipe_PS_B	CONDUIT	9.23	4	16:37	1.88	2.34
0.68	Pipe468	CONDUIT	23.62	4	17:05	10.98	3.78
1.00	Pipe483	CONDUIT	1.55	4	17:00	1.98	0.40
1.00	PSC_Overflow	CONDUIT	8.22	7	03:27	7.82	1.01
0.82	PSC_to_Outfall	CONDUIT	13.37	5	15:00	6.97	0.52
	004Pump1	PUMP	1.36	0	12:09		0.85
	77Pump1	PUMP	22.28	3	18:07		1.00
	77Pump2	PUMP	18.75	4	16:30		0.84
	CPump1	PUMP	6.68	3	18:45		1.00
	CPump2	PUMP	6.68	3	18:49		1.00
0.58	Ditch4_Connection	WEIR	20.18	5	16:39		
	PondOutlet	DUMMY	21.41	7	03:27		



Ditch17	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.98 0.00								
Ditch18	1.00	0.00	0.00	0.00	0.78	0.00	0.00	0.22
0.02 0.00								
Ditch2	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Ditch3	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Ditch3_4	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Ditch4	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Ditch4_489	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Ditch5	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.98 0.00								
Ditch6	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Ditch7	1.00	0.02	0.00	0.00	0.00	0.00	0.00	0.98
0.00 0.00								
Ditch8	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Ditch9	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.35 0.00								
Facility73_to_Pond	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-_ (1)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.83 0.00								
Pipe_-_ (10)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-_ (10)_ (1)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-_ (117)	1.00	0.00	0.00	0.00	0.97	0.01	0.00	0.02
0.83 0.00								
Pipe_-_ (118)	1.00	0.00	0.00	0.00	0.88	0.12	0.00	0.00
0.01 0.00								
Pipe_-_ (119)	1.00	0.00	0.00	0.00	0.93	0.07	0.00	0.00
0.94 0.00								
Pipe_-_ (120)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.48 0.00								
Pipe_-_ (122)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
1.00 0.00								
Pipe_-_ (123)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
1.00 0.00								
Pipe_-_ (124)	1.00	0.00	0.00	0.00	0.05	0.00	0.00	0.95
0.04 0.00								
Pipe_-_ (125)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
1.00 0.00								
Pipe_-_ (126)	1.00	0.00	0.00	0.00	0.43	0.57	0.00	0.00
1.00 0.00								
Pipe_-_ (127)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.99 0.00								
Pipe_-_ (128)	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00



Pipe_-(172)	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00
0.34 0.00								
Pipe_-(18)	1.00	0.00	0.08	0.00	0.92	0.00	0.00	0.00
0.11 0.00								
Pipe_-(19)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.30 0.00								
Pipe_-(196)	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00
0.01 0.00								
Pipe_-(197)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.01 0.00								
Pipe_-(198)	1.00	0.00	0.01	0.00	0.98	0.00	0.00	0.00
0.06 0.00								
Pipe_-(199)	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00
0.09 0.00								
Pipe_-(2)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.84 0.00								
Pipe_-(20)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.26 0.00								
Pipe_-(200)	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00
0.11 0.00								
Pipe_-(201)	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00
0.12 0.00								
Pipe_-(202)	1.00	0.00	0.01	0.00	0.98	0.00	0.00	0.00
0.14 0.00								
Pipe_-(203)	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00
0.20 0.00								
Pipe_-(204)	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00
0.27 0.00								
Pipe_-(205)	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00
0.37 0.00								
Pipe_-(206)	1.00	0.01	0.00	0.00	0.98	0.00	0.00	0.00
0.00 0.00								
Pipe_-(207)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.01 0.00								
Pipe_-(208)	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00
0.02 0.00								
Pipe_-(209)	1.00	0.00	0.01	0.00	0.98	0.00	0.00	0.00
0.07 0.00								
Pipe_-(210)	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00
0.11 0.00								
Pipe_-(211)	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00
0.13 0.00								
Pipe_-(212)	1.00	0.00	0.01	0.00	0.98	0.00	0.00	0.00
0.18 0.00								
Pipe_-(213)	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00
0.22 0.00								
Pipe_-(214)	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00
0.27 0.00								
Pipe_-(215)	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00
0.33 0.00								
Pipe_-(22)	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00
0.00 0.00								
Pipe_-(221)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00



Pipe_-(247)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00
0.05 0.00								
Pipe_-(248)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.01 0.00								
Pipe_-(249)	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00
0.06 0.00								
Pipe_-(25)	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00
0.01 0.00								
Pipe_-(250)	1.00	0.00	0.01	0.00	0.98	0.00	0.00	0.00
0.07 0.00								
Pipe_-(251)	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00
0.11 0.00								
Pipe_-(252)	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00
0.14 0.00								
Pipe_-(253)	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00
0.18 0.00								
Pipe_-(254)	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00
0.23 0.00								
Pipe_-(255)	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00
0.27 0.00								
Pipe_-(256)	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00
0.36 0.00								
Pipe_-(257)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.72 0.00								
Pipe_-(258)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(259)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.84 0.00								
Pipe_-(26)	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00
0.15 0.00								
Pipe_-(260)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.85 0.00								
Pipe_-(261)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.85 0.00								
Pipe_-(264)	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00
0.00 0.00								
Pipe_-(265)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.78 0.00								
Pipe_-(266)	1.00	0.00	0.00	0.00	0.05	0.00	0.00	0.95
0.03 0.00								
Pipe_-(267)	1.00	0.00	0.00	0.00	0.12	0.00	0.00	0.88
0.03 0.00								
Pipe_-(268)	1.00	0.00	0.00	0.00	0.15	0.00	0.00	0.85
0.02 0.00								
Pipe_-(27)	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00
0.00 0.00								
Pipe_-(277)	1.00	0.00	0.03	0.00	0.95	0.02	0.00	0.00
0.97 0.00								
Pipe_-(278)	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00
0.01 0.00								
Pipe_-(28)	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00
0.15 0.00								
Pipe_-(285)	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00





Pipe_-(333)	1.00	0.00	0.00	0.00	0.81	0.00	0.00	0.19
0.03 0.00								
Pipe_-(334)	1.00	0.00	0.00	0.00	0.01	0.11	0.00	0.89
0.11 0.00								
Pipe_-(337)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.01 0.00								
Pipe_-(338)	1.00	0.00	0.02	0.00	0.97	0.00	0.01	0.00
0.60 0.00								
Pipe_-(34)	1.00	0.00	0.03	0.00	0.97	0.00	0.00	0.00
0.00 0.00								
Pipe_-(340)	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00
0.98 0.00								
Pipe_-(35)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.90 0.00								
Pipe_-(358)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.88 0.00								
Pipe_-(359)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.10 0.00								
Pipe_-(36)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.89 0.00								
Pipe_-(360)	1.00	0.00	0.00	0.00	0.40	0.60	0.00	0.00
0.00 0.00								
Pipe_-(361)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.89 0.00								
Pipe_-(362)	1.00	0.00	0.00	0.00	0.77	0.23	0.00	0.00
0.87 0.00								
Pipe_-(363)	1.00	0.00	0.00	0.00	0.72	0.28	0.00	0.00
0.86 0.00								
Pipe_-(364)	1.00	0.00	0.00	0.00	0.15	0.85	0.00	0.00
0.01 0.00								
Pipe_-(365)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.86 0.00								
Pipe_-(366)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(367)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(369)	1.00	0.00	0.00	0.00	0.97	0.00	0.00	0.03
0.84 0.00								
Pipe_-(37)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.19 0.00								
Pipe_-(370)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(374)	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(375)	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(376)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.20 0.00								
Pipe_-(377)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.59 0.00								
Pipe_-(378)	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00
0.18 0.00								
Pipe_-(379)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00



Pipe_-(426)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(427)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(429)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.01 0.00								
Pipe_-(43)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.03 0.00								
Pipe_-(430)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(431)	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00
0.01 0.00								
Pipe_-(432)	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00
0.03 0.00								
Pipe_-(433)	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00
0.02 0.00								
Pipe_-(434)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(435)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(436)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(437)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(438)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(439)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(44)	1.00	0.00	0.00	0.00	0.80	0.20	0.00	0.00
0.00 0.00								
Pipe_-(443)	1.00	0.00	0.00	0.00	0.88	0.12	0.00	0.00
0.72 0.00								
Pipe_-(444)	1.00	0.00	0.00	0.00	0.69	0.31	0.00	0.00
0.01 0.00								
Pipe_-(445)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.85 0.00								
Pipe_-(446)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.85 0.00								
Pipe_-(447)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(448)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(449)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(45)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.13 0.00								
Pipe_-(450)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(452)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(453)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.03 0.00								
Pipe_-(454)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00



Pipe_-(69)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.98 0.00								
Pipe_-(7)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.25 0.00								
Pipe_-(70)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
1.00 0.00								
Pipe_-(71)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
1.00 0.00								
Pipe_-(72)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
1.00 0.00								
Pipe_-(73)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
1.00 0.00								
Pipe_-(74)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.50 0.00								
Pipe_-(75)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.90 0.00								
Pipe_-(76)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.91 0.00								
Pipe_-(77)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.92 0.00								
Pipe_-(78)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.94 0.00								
Pipe_-(79)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.95 0.00								
Pipe_-(8)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.20 0.00								
Pipe_-(80)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.96 0.00								
Pipe_-(81)	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00
0.86 0.00								
Pipe_-(82)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(83)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(84)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(85)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(87)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.90 0.00								
Pipe_-(88)	1.00	0.00	0.00	0.00	0.18	0.82	0.00	0.00
0.05 0.00								
Pipe_-(89)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.80 0.00								
Pipe_-(9)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.05 0.00								
Pipe_-(90)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(91)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.13 0.00								
Pipe_-(92)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.95 0.00								
Pipe_-(93)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00

0.88	0.00								
Pipe_-(94)		1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.97	0.00								
Pipe_-(95)		1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.99	0.00								
Pipe_-(96)		1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.93	0.00								
Pipe_-(97)		1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.98	0.00								
Pipe_PS_A		1.00	0.00	0.00	0.00	0.93	0.07	0.00	0.00
0.87	0.00								
Pipe_PS_B		1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00	0.00								
Pipe468		1.00	0.00	0.00	0.00	0.02	0.98	0.00	0.00
0.00	0.00								
Pipe483		1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.03	0.00								
PSC_Overflow		1.00	0.04	0.73	0.00	0.23	0.00	0.00	0.00
0.52	0.00								
PSC_to_Outfall		1.00	0.25	0.19	0.00	0.33	0.24	0.00	0.00
0.26	0.00								

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 Conduit Surcharge Summary  
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Conduit	----- Both Ends	Hours Full Upstream	----- Dnstream	Hours Above Full Normal Flow	Hours Capacity Limited
172_to_Inlet	316.67	316.67	328.66	0.01	0.01
278_to_PS_B	19.47	19.47	68.75	0.01	0.01
381_to_PS77	24.63	24.65	24.86	0.01	4.14
458_to_Inlet	40.18	40.18	251.17	0.01	0.01
469_to_Inlet	246.60	246.60	318.50	0.01	0.01
Culvert11	232.99	234.69	232.99	272.67	219.05
Culvert12	233.04	234.35	233.04	272.49	221.83
Culvert12a	233.09	233.10	233.09	53.48	46.68
Culvert12c	233.34	233.34	233.34	0.40	5.39
Ditch_77	334.84	334.84	334.84	0.01	29.06
Ditch10	218.14	218.67	224.46	0.01	0.03
Ditch11	228.52	228.52	229.45	0.01	0.01
Ditch12	227.74	227.74	233.44	0.01	0.01
Ditch12a	217.26	217.26	218.77	0.01	0.01
Ditch18	233.19	233.19	234.10	0.01	0.01
Ditch2	265.63	265.63	265.63	0.02	49.48
Ditch3	0.01	0.01	2.79	0.01	0.01
Ditch3_4	253.38	253.38	324.05	0.01	0.01
Ditch9	126.40	126.40	227.92	0.01	0.01
Facility73_to_Pond	335.00	335.00	335.00	127.47	127.38
Pipe_-(1)	36.34	36.34	37.46	0.01	0.01

Pipe_-(10)	48.04	48.04	48.35	0.01	1.25
Pipe_-(10)(1)	48.35	48.35	48.66	0.01	1.82
Pipe_-(117)	32.45	32.45	235.66	0.01	0.01
Pipe_-(118)	28.15	28.15	32.45	0.01	0.01
Pipe_-(119)	0.01	0.01	28.15	0.01	0.01
Pipe_-(133)	259.01	259.01	263.84	0.01	0.01
Pipe_-(134)	255.86	255.86	259.01	0.01	0.04
Pipe_-(135)	253.20	253.20	255.86	0.01	0.16
Pipe_-(136)	212.90	212.90	253.20	0.01	0.01
Pipe_-(137)	53.27	53.27	212.90	0.01	0.01
Pipe_-(138)	47.71	47.71	53.27	0.01	0.01
Pipe_-(153)	50.90	50.90	220.81	0.01	0.01
Pipe_-(154)	75.37	75.37	234.47	0.01	0.01
Pipe_-(155)	213.28	213.28	245.66	0.01	0.01
Pipe_-(156)	232.04	232.04	248.31	0.01	0.01
Pipe_-(157)	243.06	243.06	259.17	0.01	0.01
Pipe_-(158)	254.51	254.51	274.56	0.01	0.01
Pipe_-(159)	266.50	266.50	289.84	0.01	0.01
Pipe_-(160)	285.11	285.11	291.88	0.01	0.02
Pipe_-(161)	294.94	294.94	297.60	0.01	0.02
Pipe_-(162)	278.50	278.50	298.14	0.01	0.01
Pipe_-(163)	310.86	310.86	316.67	0.01	0.01
Pipe_-(164)	260.23	260.23	316.07	0.01	0.01
Pipe_-(165)	298.38	298.38	309.53	0.01	0.01
Pipe_-(166)	305.19	305.19	308.84	0.01	0.01
Pipe_-(167)	289.13	289.13	305.19	0.01	0.01
Pipe_-(168)	263.78	263.78	289.13	0.01	0.01
Pipe_-(169)	231.68	231.68	266.66	0.01	0.01
Pipe_-(170)	174.54	174.54	243.59	0.01	0.01
Pipe_-(171)	98.23	98.23	174.54	0.01	0.01
Pipe_-(172)	54.94	54.94	324.56	0.01	0.01
Pipe_-(18)	108.58	108.58	212.14	0.01	0.01
Pipe_-(19)	54.73	54.73	167.54	0.01	0.01
Pipe_-(196)	293.70	293.70	301.89	0.01	0.01
Pipe_-(197)	294.90	294.90	297.50	0.01	0.01
Pipe_-(198)	280.06	280.06	294.90	0.01	0.01
Pipe_-(199)	266.52	266.52	289.81	0.01	0.01
Pipe_-(2)	37.46	37.46	41.08	0.01	0.01
Pipe_-(20)	48.94	48.94	54.73	0.01	0.01
Pipe_-(200)	254.48	254.48	274.60	0.01	0.01
Pipe_-(201)	244.75	244.75	259.23	0.01	0.01
Pipe_-(202)	232.00	232.00	249.91	0.01	0.01
Pipe_-(203)	213.51	213.51	245.65	0.01	0.01
Pipe_-(204)	74.95	74.95	234.32	0.01	0.01
Pipe_-(205)	50.91	50.91	220.83	0.01	0.01
Pipe_-(206)	299.41	299.41	309.53	0.01	0.01
Pipe_-(207)	301.75	301.75	304.19	0.01	0.04
Pipe_-(208)	284.85	284.85	301.75	0.01	0.01
Pipe_-(209)	274.25	274.25	289.66	0.01	0.01
Pipe_-(210)	249.05	249.05	285.13	0.01	0.01
Pipe_-(211)	236.23	236.23	257.06	0.01	0.01
Pipe_-(212)	217.46	217.46	241.32	0.01	0.01
Pipe_-(213)	72.57	72.57	223.82	0.01	0.01



Pipe_-(214)	57.54	57.54	212.78	0.01	0.01
Pipe_-(215)	51.12	51.12	130.86	0.01	0.01
Pipe_-(22)	274.67	283.11	274.67	281.26	274.67
Pipe_-(221)	292.51	292.51	315.26	0.01	0.01
Pipe_-(222)	295.48	295.48	311.99	0.01	0.01
Pipe_-(223)	290.57	290.57	309.62	0.01	0.01
Pipe_-(224)	287.92	287.92	298.18	0.01	0.01
Pipe_-(225)	280.06	280.06	302.62	0.01	0.01
Pipe_-(226)	266.55	266.55	289.89	0.01	0.01
Pipe_-(227)	254.39	254.39	274.69	0.01	0.01
Pipe_-(228)	243.05	243.05	259.17	0.01	0.01
Pipe_-(229)	231.86	231.86	248.20	0.01	0.01
Pipe_-(23)	261.63	261.78	261.76	253.25	255.57
Pipe_-(230)	213.50	213.50	245.59	0.01	0.01
Pipe_-(231)	60.67	60.67	233.96	0.01	0.01
Pipe_-(232)	50.81	50.81	216.41	0.01	0.01
Pipe_-(234)	2.48	2.48	329.69	0.01	0.01
Pipe_-(235)	0.01	0.01	2.48	0.01	0.01
Pipe_-(237)	284.24	284.24	309.62	0.01	0.01
Pipe_-(238)	294.99	294.99	297.88	0.01	0.01
Pipe_-(239)	280.08	280.08	294.99	0.01	0.01
Pipe_-(24)	261.27	261.76	261.76	254.08	254.75
Pipe_-(240)	266.52	266.52	289.86	0.01	0.01
Pipe_-(241)	254.55	254.55	274.65	0.01	0.01
Pipe_-(242)	243.20	243.20	259.22	0.01	0.01
Pipe_-(243)	231.91	231.91	248.34	0.01	0.01
Pipe_-(244)	214.35	214.35	245.54	0.01	0.01
Pipe_-(245)	75.70	75.70	235.30	0.01	0.01
Pipe_-(246)	50.92	50.92	220.85	0.01	0.01
Pipe_-(247)	286.52	286.52	314.07	0.01	0.01
Pipe_-(248)	301.85	301.85	304.61	0.01	0.04
Pipe_-(249)	284.89	284.89	301.85	0.01	0.01
Pipe_-(25)	260.98	261.76	262.12	254.84	254.99
Pipe_-(250)	274.27	274.27	289.70	0.01	0.01
Pipe_-(251)	249.00	249.00	285.15	0.01	0.01
Pipe_-(252)	236.24	236.24	257.13	0.01	0.01
Pipe_-(253)	217.48	217.48	241.46	0.01	0.01
Pipe_-(254)	73.14	73.14	223.88	0.01	0.01
Pipe_-(255)	57.70	57.70	212.58	0.01	0.01
Pipe_-(256)	49.08	49.08	131.01	0.01	0.01
Pipe_-(257)	47.38	47.38	57.39	0.01	0.01
Pipe_-(258)	47.37	47.37	47.38	13.06	14.06
Pipe_-(259)	42.52	42.52	47.25	0.01	0.01
Pipe_-(26)	261.86	262.12	262.01	254.14	255.51
Pipe_-(260)	45.27	45.27	47.48	0.01	0.01
Pipe_-(261)	41.16	41.16	47.37	0.01	0.01
Pipe_-(267)	0.01	0.01	5.40	0.01	0.01
Pipe_-(268)	5.40	5.40	19.19	0.01	0.01
Pipe_-(27)	261.81	262.01	261.87	256.68	256.75
Pipe_-(277)	0.01	0.01	24.87	0.01	0.01
Pipe_-(278)	0.01	0.01	328.92	0.01	0.01
Pipe_-(28)	261.35	261.87	261.56	255.54	257.11
Pipe_-(285)	0.01	0.01	328.92	0.01	0.01

Pipe_-(29)	260.31	261.56	260.66	256.26	258.06
Pipe_-(295)	0.01	0.01	30.57	0.01	0.01
Pipe_-(296)	0.01	0.01	328.72	0.01	0.01
Pipe_-(3)	41.08	41.08	43.59	0.01	0.01
Pipe_-(30)	259.65	260.66	259.86	257.42	258.58
Pipe_-(308)	0.01	0.01	0.01	0.64	0.01
Pipe_-(309)	0.01	0.01	0.01	2.36	0.01
Pipe_-(31)	259.23	259.86	259.29	256.69	258.59
Pipe_-(313)	0.11	0.26	0.11	1.43	0.11
Pipe_-(314)	0.01	0.01	2.52	0.01	0.01
Pipe_-(319)	1.67	1.67	21.85	0.99	0.99
Pipe_-(32)	256.64	259.29	256.71	257.85	256.56
Pipe_-(320)	0.58	0.58	24.02	0.01	0.01
Pipe_-(323)	0.01	0.01	0.01	1.21	0.01
Pipe_-(33)	242.63	256.71	242.63	258.51	242.63
Pipe_-(333)	0.97	1.08	0.97	1.68	0.97
Pipe_-(34)	27.82	242.63	27.82	257.61	27.82
Pipe_-(358)	18.90	18.90	21.62	0.01	0.01
Pipe_-(359)	0.01	0.01	18.90	0.01	0.01
Pipe_-(360)	21.62	21.62	23.20	0.01	0.01
Pipe_-(361)	24.67	24.67	31.64	0.01	0.01
Pipe_-(362)	31.64	31.64	34.76	0.01	0.01
Pipe_-(363)	34.76	34.76	38.13	0.01	0.01
Pipe_-(364)	34.29	34.29	38.48	0.01	0.01
Pipe_-(365)	38.48	38.48	323.69	0.01	0.01
Pipe_-(366)	234.60	234.60	276.05	0.01	0.01
Pipe_-(367)	234.60	234.60	266.69	0.01	0.03
Pipe_-(369)	33.80	33.80	311.50	0.01	0.01
Pipe_-(370)	310.34	310.34	310.64	90.28	108.74
Pipe_-(377)	45.94	45.94	57.01	0.01	0.01
Pipe_-(378)	54.58	54.58	298.46	0.01	0.01
Pipe_-(379)	298.46	298.46	334.90	0.01	0.01
Pipe_-(380)	0.01	0.01	50.93	0.01	0.01
Pipe_-(381)	16.69	16.69	37.87	0.01	0.01
Pipe_-(382)	56.35	56.35	266.31	0.01	0.01
Pipe_-(383)	47.85	47.85	56.35	0.01	0.01
Pipe_-(384)	39.07	39.07	48.28	0.01	0.01
Pipe_-(385)	15.79	15.79	37.11	0.01	0.01
Pipe_-(386)	0.01	0.01	11.70	0.01	0.01
Pipe_-(389)	31.03	31.03	213.98	0.01	0.01
Pipe_-(39)	0.01	0.01	27.10	0.01	0.01
Pipe_-(390)	0.01	0.01	0.87	0.01	0.01
Pipe_-(4)	38.62	38.62	41.84	0.01	0.01
Pipe_-(40)	27.09	27.10	27.83	0.01	0.65
Pipe_-(404)	55.15	55.15	334.87	0.01	0.01
Pipe_-(405)	48.70	48.70	52.17	0.01	0.01
Pipe_-(41)	27.83	27.83	35.90	0.01	0.01
Pipe_-(42)	35.90	35.90	38.27	0.01	0.01
Pipe_-(423)	334.73	334.73	334.79	112.55	117.83
Pipe_-(424)	334.79	334.79	334.95	113.13	118.79
Pipe_-(425)	334.95	334.95	334.99	113.05	116.18
Pipe_-(426)	334.99	334.99	335.00	113.11	119.25
Pipe_-(427)	335.00	335.00	335.00	113.55	114.41

Pipe_-(429)	250.49	250.49	250.50	0.01	66.57
Pipe_-(43)	38.27	38.27	38.66	0.01	1.16
Pipe_-(430)	250.50	250.50	250.51	0.01	42.17
Pipe_-(431)	250.51	250.51	250.81	0.01	0.21
Pipe_-(432)	250.54	250.54	250.69	0.01	1.46
Pipe_-(433)	250.69	250.69	251.17	0.01	0.01
Pipe_-(434)	334.77	334.77	334.86	110.95	114.52
Pipe_-(435)	334.86	334.86	334.86	110.48	115.70
Pipe_-(436)	334.86	334.86	334.89	108.00	111.22
Pipe_-(437)	334.89	334.89	334.90	109.47	114.63
Pipe_-(438)	334.90	334.90	334.93	108.05	110.07
Pipe_-(439)	334.72	334.72	334.94	0.01	0.01
Pipe_-(44)	38.66	38.66	39.25	0.01	0.06
Pipe_-(443)	33.46	33.46	246.60	0.01	0.01
Pipe_-(444)	31.59	31.59	33.46	0.01	0.01
Pipe_-(445)	28.42	28.42	31.59	0.01	0.01
Pipe_-(446)	25.62	25.62	28.42	0.01	0.01
Pipe_-(447)	334.74	334.74	334.76	0.01	0.01
Pipe_-(448)	334.76	334.76	334.81	0.01	0.01
Pipe_-(449)	334.81	334.81	334.84	0.01	0.01
Pipe_-(45)	41.11	41.11	45.53	0.01	0.01
Pipe_-(450)	309.43	309.43	310.34	45.70	52.92
Pipe_-(452)	250.45	250.45	250.49	0.01	16.62
Pipe_-(453)	250.43	250.43	250.45	0.01	4.10
Pipe_-(454)	250.42	250.42	250.43	0.01	3.71
Pipe_-(455)	250.40	250.40	250.42	0.01	0.01
Pipe_-(456)	250.40	250.40	250.40	0.01	24.81
Pipe_-(460)	334.86	334.86	334.87	0.01	0.01
Pipe_-(461)	308.78	308.78	308.79	176.88	172.24
Pipe_-(462)	279.41	279.41	311.15	0.01	0.01
Pipe_-(47)	45.53	45.53	51.99	0.01	0.01
Pipe_-(49)	51.99	51.99	54.61	0.01	0.01
Pipe_-(5)	41.84	41.84	48.45	0.01	0.01
Pipe_-(50)	54.61	54.61	59.87	0.01	0.01
Pipe_-(51)	59.66	59.87	59.77	21.86	20.23
Pipe_-(52)	54.29	54.29	54.55	2.36	5.41
Pipe_-(53)	54.55	54.55	84.22	0.01	0.01
Pipe_-(54)	3.38	3.38	6.54	0.01	0.01
Pipe_-(55)	1.99	1.99	3.38	0.01	0.01
Pipe_-(56)	0.01	0.01	1.99	0.01	0.01
Pipe_-(6)	48.45	48.45	53.86	0.01	0.01
Pipe_-(65)	10.96	11.00	12.05	0.01	0.01
Pipe_-(66)	0.01	0.01	11.00	0.01	0.01
Pipe_-(7)	46.89	46.89	50.87	0.01	0.01
Pipe_-(74)	13.40	13.40	18.08	0.01	0.01
Pipe_-(75)	7.79	7.79	13.40	0.01	0.01
Pipe_-(76)	4.03	4.03	7.79	0.01	0.01
Pipe_-(77)	0.01	0.01	4.03	0.01	0.01
Pipe_-(8)	50.87	50.87	54.20	0.01	0.01
Pipe_-(81)	12.18	12.18	45.38	0.01	0.01
Pipe_-(82)	30.40	30.40	31.50	0.01	0.06
Pipe_-(83)	26.81	26.81	30.40	0.01	0.02
Pipe_-(84)	24.68	24.69	26.81	0.01	0.01

Pipe_-(85)	27.18	27.21	29.94	0.02	0.06
Pipe_-(87)	5.58	5.58	27.21	0.01	0.01
Pipe_-(88)	0.01	0.01	5.58	0.01	0.01
Pipe_-(9)	54.20	54.20	55.56	0.01	0.07
Pipe_-(91)	0.87	0.87	1.23	0.01	0.01
Pipe_PS_A	23.20	23.20	250.40	0.01	0.01
Pipe_PS_B	56.93	56.93	57.43	4.94	10.08
Pipe468	0.01	0.01	0.01	12.07	0.01
Pipe483	14.06	14.06	287.61	0.01	0.01
PSC_Overflow	53.31	53.31	232.51	0.08	0.01
PSC_to-Outfall	0.01	144.86	0.01	0.01	0.01

\*\*\*\*\*  
Pumping Summary  
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				Min	Avg	Max
Total	Power	% Time Off		Flow	Flow	Flow
Volume	Usage	Percent		Flow	Flow	Flow
Pump	Kw-hr	Pump Curve		CFS	CFS	CFS
10^6 gal		Low	High			
			Utilized			
				Number of		
				Start-Ups		
-----						
004Pump1			96.37	1	0.00	1.36
3.529	281.72	0.0	0.0			
77Pump1			33.41	26	0.00	22.28
44.285	6827.34	0.0	4.2			
77Pump2			17.23	1	0.00	18.75
16.432	3020.42	0.0	0.0			
CPump1			41.06	130	0.00	6.68
24.759	2983.40	0.0	89.2			
CPump2			38.12	24	0.00	6.68
22.989	2893.95	0.0	93.9			

Analysis begun on: Fri Aug 19 09:57:56 2022  
Analysis ended on: Fri Aug 19 10:12:43 2022  
Total elapsed time: 00:14:47

EPA STORM WATER MANAGEMENT MODEL - VERSION 5.1 (Build 5.1.015)

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WARNING 09: time series interval greater than recording interval for Rain Gage Null

- WARNING 08: elevation drop exceeds length for Conduit 172\_to\_Inlet
- WARNING 04: minimum elevation drop used for Conduit 381\_to\_PS77
- WARNING 08: elevation drop exceeds length for Conduit 458\_to\_Inlet
- WARNING 08: elevation drop exceeds length for Conduit 469\_to\_Inlet
- WARNING 04: minimum elevation drop used for Conduit Culvert12c
- WARNING 04: minimum elevation drop used for Conduit Ditch13
- WARNING 04: minimum elevation drop used for Conduit Ditch4\_489
- WARNING 04: minimum elevation drop used for Conduit Ditch6
- WARNING 04: minimum elevation drop used for Conduit Facility73\_to\_Pond
- WARNING 04: minimum elevation drop used for Conduit Pipe\_-(258)
- WARNING 04: minimum elevation drop used for Conduit Pipe\_-(374)
- WARNING 04: minimum elevation drop used for Conduit Pipe\_-(461)
- WARNING 04: minimum elevation drop used for Conduit SU1-2\_Force1
- WARNING 02: maximum depth increased for Node Culvert\_Ditch12c
- WARNING 02: maximum depth increased for Node Ditch17\_5\_6
- WARNING 02: maximum depth increased for Node Ditch6\_7
- WARNING 02: maximum depth increased for Node Ditch7\_8
- WARNING 02: maximum depth increased for Node Roadside\_Connection
- WARNING 02: maximum depth increased for Node Structure\_-(489)
- WARNING 02: maximum depth increased for Node SU1-2\_Central
- WARNING 02: maximum depth increased for Node SU6-1NE
- WARNING 02: maximum depth increased for Node SU7-3W
- WARNING 02: maximum depth increased for Node UDitch\_Out

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Element Count

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Number of rain gages ..... 1  
 Number of subcatchments ... 14  
 Number of nodes ..... 356  
 Number of links ..... 351  
 Number of pollutants ..... 0  
 Number of land uses ..... 0

\*\*\*\*\*

Raingage Summary

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Name	Data Source	Data Type	Recording Interval
Null	Null	INTENSITY	60 min.

\*\*\*\*\*

Subcatchment Summary

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Name	Area	Width	%Imperv	%Slope	Rain Gage
Outlet					
2.1	88.70	1950.00	70.12	0.5000	Null
Structure602					
2.2	52.40	1400.00	4.01	0.5000	Null
Ditch9_Inlet					
2.3	9.40	450.00	2.13	0.5000	Null
Structure_-(395)					
2.4	33.10	1560.00	5.14	0.5000	Null
Ditch4_In					
3	17.20	800.00	39.65	0.5000	Null
SDCB294					
5	17.20	850.00	2.91	0.5000	Null
5_Dummy_Outlet					
A	40.50	1950.00	6.42	0.5000	Null
Ditch4_In					
B	21.40	850.00	1.87	0.5000	Null
Ditch2_3					
C	17.30	1200.00	6.94	0.5000	Null
C_Dummy_Outlet					
D	14.10	1350.00	49.65	0.5000	Null
D_Dummy_Outlet					
E	10.70	750.00	11.21	0.5000	Null
E_Dummy_Outlet					
F	12.90	1400.00	6.20	0.5000	Null
F_Dummy_Outlet					
G	5.60	680.00	3.57	0.5000	Null
G_Dummy_Outlet					
H	12.70	840.00	3.15	0.5000	Null
H_Dummy_Outlet					

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Node Summary

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External		Invert	Max.	Ponded	
Name	Type	Elev.	Depth	Area	
Inflow					
CB19	JUNCTION	6.61	5.52	100.0	Yes
CB22	JUNCTION	6.02	5.00	100.0	Yes
CB30	JUNCTION	7.17	5.00	100.0	Yes
CB31	JUNCTION	7.40	5.00	100.0	Yes
CB33	JUNCTION	7.17	5.00	100.0	Yes
Culvert_Ditch11	JUNCTION	2.71	10.50	100.0	
Culvert_Ditch12	JUNCTION	2.65	5.00	100.0	
Culvert_Ditch12a	JUNCTION	2.61	5.00	100.0	

Culvert_Ditch12b	JUNCTION	2.60	5.00	100.0	
Culvert_Ditch12c	JUNCTION	0.50	5.49	100.0	
Ditch1_2	JUNCTION	9.00	5.00	100.0	
Ditch11_12	JUNCTION	2.66	5.00	100.0	
Ditch12_18	JUNCTION	0.50	5.00	100.0	Yes
Ditch14_15	JUNCTION	4.12	5.00	100.0	Yes
Ditch15_16	JUNCTION	3.12	5.00	100.0	Yes
Ditch16_17	JUNCTION	2.18	5.00	100.0	Yes
Ditch17_5_6	JUNCTION	1.24	7.00	100.0	Yes
Ditch2_3	JUNCTION	8.25	5.00	100.0	Yes
Ditch3_Out	JUNCTION	8.00	5.00	100.0	
Ditch4_In	JUNCTION	9.00	5.00	100.0	Yes
Ditch4_Out	JUNCTION	3.00	14.00	100.0	
Ditch5_Inlet	JUNCTION	2.25	5.00	100.0	Yes
Ditch6_7	JUNCTION	1.24	7.00	100.0	Yes
Ditch7_8	JUNCTION	-2.32	8.78	100.0	Yes
Ditch9_10_11	JUNCTION	3.00	10.50	100.0	
Ditch9_Inlet	JUNCTION	10.45	5.00	100.0	Yes
Facility77_PS	JUNCTION	8.30	1.67	100.0	
PS004	JUNCTION	-2.00	6.00	100.0	
PSC_Outlet	JUNCTION	11.50	1.67	100.0	
Roadside_Connection	JUNCTION	3.22	7.28	0.0	
SDCB294	JUNCTION	2.53	6.00	100.0	Yes
SDCB541	JUNCTION	5.31	5.00	100.0	Yes
SDCB543	JUNCTION	7.11	5.75	100.0	Yes
SDCB6003	JUNCTION	2.93	7.65	100.0	Yes
SDCB6005	JUNCTION	5.75	5.00	100.0	Yes
SDMH297	JUNCTION	2.48	6.22	100.0	Yes
SDMH299	JUNCTION	2.50	6.35	100.0	Yes
SDMH301	JUNCTION	2.30	5.00	100.0	Yes
SDMH538	JUNCTION	4.88	5.00	100.0	Yes
SDMH539	JUNCTION	3.53	6.35	100.0	Yes
SDMH540	JUNCTION	3.78	5.75	100.0	Yes
Structure_--(1)	JUNCTION	7.42	5.00	100.0	Yes
Structure_--(10)	JUNCTION	4.74	9.44	100.0	Yes
Structure_--(100)	JUNCTION	10.62	5.00	100.0	Yes
Structure_--(101)	JUNCTION	10.67	5.00	100.0	Yes
Structure_--(102)	JUNCTION	10.50	5.00	100.0	Yes
Structure_--(123)	JUNCTION	7.46	8.18	100.0	Yes
Structure_--(124)	JUNCTION	7.70	8.66	100.0	Yes
Structure_--(125)	JUNCTION	9.82	5.00	100.0	Yes
Structure_--(126)	JUNCTION	10.12	5.00	100.0	Yes
Structure_--(128)	JUNCTION	11.13	5.00	100.0	Yes
Structure_--(129)	JUNCTION	12.81	5.00	100.0	Yes
Structure_--(130)	JUNCTION	10.61	5.00	100.0	Yes
Structure_--(131)	JUNCTION	11.13	5.00	100.0	Yes
Structure_--(132)	JUNCTION	11.93	5.00	100.0	Yes
Structure_--(133)	JUNCTION	10.62	5.00	100.0	Yes
Structure_--(134)	JUNCTION	11.30	5.00	100.0	Yes
Structure_--(136)	JUNCTION	11.83	5.00	100.0	Yes
Structure_--(139)	JUNCTION	4.12	7.40	100.0	Yes
Structure_--(140)	JUNCTION	4.22	7.05	100.0	Yes
Structure_--(141)	JUNCTION	3.60	6.40	100.0	Yes

Structure_--(142)	JUNCTION	5.44	5.00	100.0	Yes
Structure_--(143)	JUNCTION	6.40	6.06	100.0	Yes
Structure_--(144)	JUNCTION	6.76	5.41	100.0	Yes
Structure_--(161)	JUNCTION	6.13	5.00	100.0	Yes
Structure_--(162)	JUNCTION	5.25	5.00	100.0	Yes
Structure_--(163)	JUNCTION	4.62	5.00	100.0	Yes
Structure_--(164)	JUNCTION	4.03	5.00	100.0	Yes
Structure_--(165)	JUNCTION	3.70	5.00	100.0	Yes
Structure_--(166)	JUNCTION	3.35	5.00	100.0	Yes
Structure_--(167)	JUNCTION	2.79	5.00	100.0	Yes
Structure_--(168)	JUNCTION	2.15	5.00	100.0	Yes
Structure_--(169)	JUNCTION	1.58	5.00	100.0	Yes
Structure_--(170)	JUNCTION	1.40	10.49	100.0	Yes
Structure_--(171)	JUNCTION	-1.58	13.71	100.0	Yes
Structure_--(172)	JUNCTION	-3.00	5.00	100.0	Yes
Structure_--(173)	JUNCTION	0.55	10.11	100.0	Yes
Structure_--(174)	JUNCTION	1.10	9.56	100.0	Yes
Structure_--(175)	JUNCTION	1.36	14.78	100.0	Yes
Structure_--(176)	JUNCTION	2.44	12.83	100.0	Yes
Structure_--(177)	JUNCTION	3.34	10.94	100.0	Yes
Structure_--(178)	JUNCTION	4.34	5.00	100.0	Yes
Structure_--(179)	JUNCTION	5.24	5.00	100.0	Yes
Structure_--(180)	JUNCTION	4.59	9.53	100.0	Yes
Structure_--(181)	JUNCTION	6.13	9.00	100.0	Yes
Structure_--(19)	JUNCTION	5.05	9.03	100.0	Yes
Structure_--(2)	JUNCTION	7.31	5.43	100.0	Yes
Structure_--(20)	JUNCTION	5.77	5.00	100.0	Yes
Structure_--(205)	JUNCTION	1.40	7.75	100.0	Yes
Structure_--(206)	JUNCTION	1.58	5.00	100.0	Yes
Structure_--(207)	JUNCTION	2.15	5.00	100.0	Yes
Structure_--(208)	JUNCTION	2.79	5.00	100.0	Yes
Structure_--(209)	JUNCTION	3.35	5.00	100.0	Yes
Structure_--(21)	JUNCTION	6.16	5.00	100.0	Yes
Structure_--(210)	JUNCTION	3.65	5.00	100.0	Yes
Structure_--(211)	JUNCTION	4.03	5.00	100.0	Yes
Structure_--(212)	JUNCTION	4.62	5.00	100.0	Yes
Structure_--(213)	JUNCTION	5.25	5.00	100.0	Yes
Structure_--(214)	JUNCTION	6.13	5.00	100.0	Yes
Structure_--(215)	JUNCTION	0.93	9.12	100.0	Yes
Structure_--(216)	JUNCTION	1.11	5.00	100.0	Yes
Structure_--(217)	JUNCTION	1.91	5.00	100.0	Yes
Structure_--(218)	JUNCTION	2.40	5.00	100.0	Yes
Structure_--(219)	JUNCTION	3.42	5.00	100.0	Yes
Structure_--(220)	JUNCTION	3.91	5.00	100.0	Yes
Structure_--(221)	JUNCTION	4.42	5.00	100.0	Yes
Structure_--(222)	JUNCTION	4.96	5.00	100.0	Yes
Structure_--(223)	JUNCTION	5.46	5.00	100.0	Yes
Structure_--(23)	JUNCTION	14.48	0.25	100.0	
Structure_--(230)	JUNCTION	-0.26	11.22	100.0	Yes
Structure_--(231)	JUNCTION	0.55	9.83	100.0	Yes
Structure_--(232)	JUNCTION	1.36	9.03	100.0	Yes
Structure_--(233)	JUNCTION	1.06	7.30	100.0	Yes
Structure_--(234)	JUNCTION	2.15	6.18	100.0	Yes



Structure_-(235)	JUNCTION	2.79	5.91	100.0	Yes
Structure_-(236)	JUNCTION	3.35	5.25	100.0	Yes
Structure_-(237)	JUNCTION	3.70	5.00	100.0	Yes
Structure_-(238)	JUNCTION	4.03	5.00	100.0	Yes
Structure_-(239)	JUNCTION	4.62	5.00	100.0	
Structure_-(24)	JUNCTION	14.47	5.00	100.0	
Structure_-(240)	JUNCTION	5.34	5.00	100.0	Yes
Structure_-(241)	JUNCTION	6.13	5.00	100.0	Yes
Structure_-(242)	JUNCTION	3.20	5.00	100.0	Yes
Structure_-(243)	JUNCTION	3.76	6.82	100.0	Yes
Structure_-(244)	JUNCTION	4.68	6.60	100.0	Yes
Structure_-(245)	JUNCTION	4.95	6.00	100.0	Yes
Structure_-(246)	JUNCTION	1.38	8.96	100.0	Yes
Structure_-(247)	JUNCTION	1.58	5.00	100.0	Yes
Structure_-(248)	JUNCTION	2.15	5.00	100.0	Yes
Structure_-(249)	JUNCTION	2.79	5.00	100.0	Yes
Structure_-(25)	JUNCTION	14.40	0.50	100.0	
Structure_-(250)	JUNCTION	3.35	5.00	100.0	Yes
Structure_-(251)	JUNCTION	3.70	5.00	100.0	Yes
Structure_-(252)	JUNCTION	4.03	5.00	100.0	Yes
Structure_-(253)	JUNCTION	4.59	5.00	100.0	Yes
Structure_-(254)	JUNCTION	5.25	5.00	100.0	Yes
Structure_-(255)	JUNCTION	6.13	5.00	100.0	Yes
Structure_-(256)	JUNCTION	0.93	9.63	100.0	Yes
Structure_-(257)	JUNCTION	1.11	5.00	100.0	Yes
Structure_-(258)	JUNCTION	1.91	5.00	100.0	Yes
Structure_-(259)	JUNCTION	2.40	5.00	100.0	Yes
Structure_-(26)	JUNCTION	14.08	0.50	100.0	
Structure_-(260)	JUNCTION	3.42	5.00	100.0	Yes
Structure_-(261)	JUNCTION	3.91	5.00	100.0	Yes
Structure_-(262)	JUNCTION	4.42	5.00	100.0	Yes
Structure_-(263)	JUNCTION	4.96	5.00	100.0	Yes
Structure_-(264)	JUNCTION	5.46	5.00	100.0	Yes
Structure_-(265)	JUNCTION	6.13	5.00	100.0	Yes
Structure_-(266)	JUNCTION	6.79	5.99	100.0	Yes
Structure_-(267)	JUNCTION	6.79	5.00	100.0	
Structure_-(268)	JUNCTION	7.28	5.00	100.0	Yes
Structure_-(269)	JUNCTION	7.49	5.00	100.0	Yes
Structure_-(27)	JUNCTION	13.18	0.50	100.0	
Structure_-(270)	JUNCTION	7.42	5.00	100.0	Yes
Structure_-(273)	JUNCTION	11.13	5.00	100.0	Yes
Structure_-(274)	JUNCTION	10.63	5.00	100.0	Yes
Structure_-(275)	JUNCTION	10.45	5.00	100.0	Yes
Structure_-(276)	JUNCTION	9.27	5.00	100.0	Yes
Structure_-(277)	JUNCTION	8.39	5.85	100.0	Yes
Structure_-(278)	JUNCTION	7.66	6.47	100.0	Yes
Structure_-(28)	JUNCTION	13.06	0.50	100.0	
Structure_-(287)	JUNCTION	10.45	5.00	100.0	Yes
Structure_-(288)	JUNCTION	11.23	5.00	100.0	Yes
Structure_-(29)	JUNCTION	12.99	0.50	100.0	
Structure_-(298)	JUNCTION	10.43	5.00	100.0	Yes
Structure_-(3)	JUNCTION	6.95	5.07	100.0	Yes
Structure_-(30)	JUNCTION	12.70	0.50	100.0	

Structure_-(305)	JUNCTION	10.68	5.00	100.0	Yes
Structure_-(306)	JUNCTION	11.73	5.00	100.0	Yes
Structure_-(31)	JUNCTION	11.93	0.50	100.0	
Structure_-(319)	JUNCTION	6.31	5.00	100.0	Yes
Structure_-(32)	JUNCTION	11.54	0.50	100.0	
Structure_-(320)	JUNCTION	6.16	5.00	100.0	Yes
Structure_-(325)	JUNCTION	5.48	5.00	100.0	Yes
Structure_-(326)	JUNCTION	7.45	5.00	100.0	Yes
Structure_-(33)	JUNCTION	11.34	0.50	100.0	
Structure_-(331)	JUNCTION	8.05	5.00	100.0	Yes
Structure_-(332)	JUNCTION	8.05	5.00	100.0	Yes
Structure_-(333)	JUNCTION	6.72	5.00	100.0	Yes
Structure_-(34)	JUNCTION	10.58	0.50	100.0	
Structure_-(341)	JUNCTION	6.44	7.90	100.0	Yes
Structure_-(35)	JUNCTION	9.28	0.50	100.0	
Structure_-(37)	JUNCTION	8.81	6.29	100.0	Yes
Structure_-(370)	JUNCTION	8.23	5.00	100.0	Yes
Structure_-(371)	JUNCTION	8.41	5.00	100.0	Yes
Structure_-(372)	JUNCTION	10.48	5.00	100.0	Yes
Structure_-(373)	JUNCTION	8.15	5.00	100.0	Yes
Structure_-(374)	JUNCTION	8.94	6.40	100.0	Yes
Structure_-(375)	JUNCTION	8.64	6.40	100.0	Yes
Structure_-(376)	JUNCTION	8.40	6.40	100.0	Yes
Structure_-(377)	JUNCTION	8.10	6.82	100.0	Yes
Structure_-(378)	JUNCTION	7.73	6.40	100.0	Yes
Structure_-(379)	JUNCTION	2.31	10.70	100.0	Yes
Structure_-(38)	JUNCTION	8.52	5.00	100.0	Yes
Structure_-(380)	JUNCTION	3.13	8.70	100.0	Yes
Structure_-(381)	JUNCTION	2.95	10.00	100.0	
Structure_-(389)	JUNCTION	11.23	5.00	100.0	Yes
Structure_-(39)	JUNCTION	8.41	7.14	100.0	Yes
Structure_-(390)	JUNCTION	11.23	5.00	100.0	Yes
Structure_-(391)	JUNCTION	10.75	5.00	100.0	Yes
Structure_-(392)	JUNCTION	6.74	8.39	100.0	Yes
Structure_-(393)	JUNCTION	5.80	9.07	100.0	Yes
Structure_-(394)	JUNCTION	4.05	10.98	100.0	Yes
Structure_-(395)	JUNCTION	2.29	10.70	100.0	Yes
Structure_-(396)	JUNCTION	11.62	5.00	100.0	Yes
Structure_-(397)	JUNCTION	8.80	5.00	100.0	Yes
Structure_-(398)	JUNCTION	6.70	5.00	100.0	Yes
Structure_-(399)	JUNCTION	7.38	5.00	100.0	Yes
Structure_-(4)	JUNCTION	6.69	6.17	100.0	Yes
Structure_-(40)	JUNCTION	8.23	6.49	100.0	Yes
Structure_-(400)	JUNCTION	7.90	5.00	100.0	Yes
Structure_-(401)	JUNCTION	9.70	5.00	100.0	Yes
Structure_-(404)	JUNCTION	11.04	5.00	100.0	Yes
Structure_-(405)	JUNCTION	11.84	5.00	100.0	Yes
Structure_-(407)	JUNCTION	8.80	5.00	100.0	Yes
Structure_-(408)	JUNCTION	9.47	5.00	100.0	Yes
Structure_-(41)	JUNCTION	6.04	8.46	100.0	Yes
Structure_-(42)	JUNCTION	6.00	8.33	100.0	Yes
Structure_-(426)	JUNCTION	6.36	5.00	100.0	Yes
Structure_-(427)	JUNCTION	5.22	6.00	100.0	Yes

Structure_-(43)	JUNCTION	5.46	6.72	100.0	Yes
Structure_-(431)	JUNCTION	-5.37	2.50	100.0	
Structure_-(432)	JUNCTION	-5.03	2.50	100.0	
Structure_-(433)	JUNCTION	-4.71	2.50	100.0	
Structure_-(434)	JUNCTION	-3.55	2.50	100.0	
Structure_-(435)	JUNCTION	-3.54	2.50	100.0	
Structure_-(44)	JUNCTION	5.22	9.29	100.0	Yes
Structure_-(446)	JUNCTION	9.97	1.67	100.0	
Structure_-(447)	JUNCTION	9.60	1.50	100.0	
Structure_-(448)	JUNCTION	9.29	1.50	100.0	
Structure_-(449)	JUNCTION	7.30	1.50	100.0	
Structure_-(45)	JUNCTION	5.18	5.00	100.0	Yes
Structure_-(450)	JUNCTION	6.70	1.50	100.0	
Structure_-(451)	JUNCTION	6.50	1.50	100.0	
Structure_-(453)	JUNCTION	3.95	5.00	100.0	
Structure_-(454)	JUNCTION	3.94	5.00	100.0	
Structure_-(455)	JUNCTION	3.93	5.00	100.0	
Structure_-(456)	JUNCTION	3.73	5.00	100.0	
Structure_-(457)	JUNCTION	3.63	5.00	100.0	
Structure_-(458)	JUNCTION	3.40	5.00	100.0	
Structure_-(459)	JUNCTION	6.67	1.67	100.0	
Structure_-(46)	JUNCTION	5.11	5.00	100.0	Yes
Structure_-(460)	JUNCTION	6.63	1.67	100.0	
Structure_-(461)	JUNCTION	6.03	1.67	100.0	
Structure_-(462)	JUNCTION	5.88	1.67	100.0	
Structure_-(463)	JUNCTION	4.13	1.67	100.0	
Structure_-(469)	JUNCTION	3.50	5.00	100.0	Yes
Structure_-(47)	JUNCTION	4.65	8.45	100.0	Yes
Structure_-(470)	JUNCTION	7.10	5.00	100.0	Yes
Structure_-(471)	JUNCTION	7.27	5.00	100.0	Yes
Structure_-(472)	JUNCTION	7.40	5.00	100.0	Yes
Structure_-(473)	JUNCTION	7.49	5.00	100.0	Yes
Structure_-(475)	JUNCTION	3.08	11.58	100.0	Yes
Structure_-(476)	JUNCTION	2.97	11.74	100.0	Yes
Structure_-(477)	JUNCTION	2.65	11.74	100.0	Yes
Structure_-(478)	JUNCTION	2.32	10.85	100.0	
Structure_-(481)	JUNCTION	4.00	5.00	100.0	
Structure_-(482)	JUNCTION	4.05	5.00	100.0	
Structure_-(483)	JUNCTION	4.10	5.00	100.0	
Structure_-(484)	JUNCTION	4.22	5.00	100.0	
Structure_-(485)	JUNCTION	4.25	5.00	100.0	
Structure_-(487)	JUNCTION	2.78	11.62	100.0	Yes
Structure_-(489)	JUNCTION	2.74	11.26	100.0	Yes
Structure_-(490)	JUNCTION	11.23	5.00	100.0	Yes
Structure_-(495)	JUNCTION	10.04	5.00	100.0	
Structure_-(5)	JUNCTION	6.37	7.65	100.0	Yes
Structure_-(50)	JUNCTION	4.20	8.20	100.0	Yes
Structure_-(502)	JUNCTION	8.46	5.00	100.0	Yes
Structure_-(503)	JUNCTION	4.71	9.38	100.0	Yes
Structure_-(51)	JUNCTION	3.94	8.28	100.0	Yes
Structure_-(52)	JUNCTION	3.72	7.10	100.0	Yes
Structure_-(53)	JUNCTION	3.71	8.45	100.0	
Structure_-(54)	JUNCTION	3.93	8.20	100.0	

Structure_-(56)	JUNCTION	9.08	5.00	100.0	Yes
Structure_-(57)	JUNCTION	9.29	5.00	100.0	Yes
Structure_-(58)	JUNCTION	9.39	5.00	100.0	Yes
Structure_-(59)	JUNCTION	9.70	5.00	100.0	Yes
Structure_-(6)	JUNCTION	5.70	5.02	100.0	Yes
Structure_-(60)	JUNCTION	9.82	5.00	100.0	Yes
Structure_-(61)	JUNCTION	9.92	5.00	100.0	Yes
Structure_-(62)	JUNCTION	10.02	5.00	100.0	Yes
Structure_-(63)	JUNCTION	10.27	5.00	100.0	Yes
Structure_-(7)	JUNCTION	5.35	5.78	100.0	Yes
Structure_-(70)	JUNCTION	8.89	5.00	100.0	Yes
Structure_-(71)	JUNCTION	10.00	5.00	100.0	Yes
Structure_-(72)	JUNCTION	10.06	5.00	100.0	Yes
Structure_-(73)	JUNCTION	10.33	5.00	100.0	Yes
Structure_-(74)	JUNCTION	10.57	5.00	100.0	Yes
Structure_-(75)	JUNCTION	10.81	5.00	100.0	Yes
Structure_-(76)	JUNCTION	11.05	5.00	100.0	Yes
Structure_-(77)	JUNCTION	11.29	5.00	100.0	Yes
Structure_-(78)	JUNCTION	11.53	5.00	100.0	Yes
Structure_-(79)	JUNCTION	8.72	5.00	100.0	Yes
Structure_-(8)	JUNCTION	5.10	8.03	100.0	Yes
Structure_-(80)	JUNCTION	9.01	5.00	100.0	Yes
Structure_-(81)	JUNCTION	9.25	5.00	100.0	Yes
Structure_-(82)	JUNCTION	9.49	5.00	100.0	Yes
Structure_-(83)	JUNCTION	9.73	5.37	100.0	Yes
Structure_-(84)	JUNCTION	9.97	5.00	100.0	Yes
Structure_-(85)	JUNCTION	10.21	5.00	100.0	Yes
Structure_-(86)	JUNCTION	7.30	5.00	100.0	Yes
Structure_-(87)	JUNCTION	7.38	5.00	100.0	Yes
Structure_-(88)	JUNCTION	7.56	5.00	100.0	Yes
Structure_-(89)	JUNCTION	7.65	5.00	100.0	Yes
Structure_-(9)	JUNCTION	4.82	8.93	100.0	Yes
Structure_-(90)	JUNCTION	7.79	5.00	100.0	Yes
Structure_-(92)	JUNCTION	8.90	5.00	100.0	Yes
Structure_-(93)	JUNCTION	9.26	5.00	100.0	Yes
Structure_-(94)	JUNCTION	9.43	5.00	100.0	Yes
Structure_-(95)	JUNCTION	9.45	5.00	100.0	Yes
Structure_-(96)	JUNCTION	9.60	5.00	100.0	Yes
Structure_-(97)	JUNCTION	9.95	5.00	100.0	Yes
Structure_-(98)	JUNCTION	10.13	5.00	100.0	Yes
Structure_-(99)	JUNCTION	10.32	5.00	100.0	
Structure520	JUNCTION	4.37	5.00	100.0	Yes
Structure521	JUNCTION	1.73	5.00	100.0	Yes
Structure522	JUNCTION	2.08	5.00	100.0	Yes
Structure587	JUNCTION	2.37	5.00	100.0	Yes
Structure593	JUNCTION	2.35	5.00	100.0	Yes
Structure602	JUNCTION	4.68	5.00	100.0	
SU1-2_Central	JUNCTION	5.00	11.00	100.0	
SU1-2_J1	JUNCTION	10.00	0.99	0.0	
SU1-2_J1-2	JUNCTION	8.00	0.99	0.0	
SU1-2_J2	JUNCTION	2.00	0.99	0.0	
SU1-2_Overflow	JUNCTION	8.25	5.00	100.0	
SU1-2_PSOut	JUNCTION	10.00	0.99	0.0	

SU1-2_South	JUNCTION	20.00	4.00	100.0	Yes
SU1-2_West	JUNCTION	15.21	2.00	100.0	Yes
SU6-1E	JUNCTION	11.80	2.00	100.0	Yes
SU6-1NE	JUNCTION	2.00	10.50	100.0	
SU6-1S	JUNCTION	12.40	2.00	100.0	Yes
SU6-7	JUNCTION	1.42	11.33	0.0	
SU67-J1	JUNCTION	13.18	1.25	0.0	
SU67-J2	JUNCTION	10.58	1.25	0.0	
SU67-J3	JUNCTION	9.28	1.25	0.0	
SU67-J4	JUNCTION	9.08	1.25	0.0	
SU67-J5	JUNCTION	6.04	1.25	0.0	
SU67-J6	JUNCTION	5.11	1.25	0.0	
SU67-J7	JUNCTION	4.65	1.25	0.0	
SU7-2W	JUNCTION	11.60	2.00	100.0	Yes
SU7-3W	JUNCTION	2.00	11.00	100.0	
UDitch_Out	JUNCTION	7.50	14.00	100.0	
5_Dummy_Outlet	OUTFALL	0.00	0.00	0.0	
C_Dummy_Outlet	OUTFALL	0.00	0.00	0.0	
D_Dummy_Outlet	OUTFALL	0.00	0.00	0.0	
E_Dummy_Outlet	OUTFALL	0.00	0.00	0.0	
F_Dummy_Outlet	OUTFALL	0.00	0.00	0.0	
G_Dummy_Outlet	OUTFALL	0.00	0.00	0.0	
H_Dummy_Outlet	OUTFALL	0.00	0.00	0.0	
Outfall_002A	OUTFALL	-14.87	2.50	0.0	
Outfall003	OUTFALL	-3.00	6.85	0.0	
Facility77_Inlet	STORAGE	-8.05	20.47	0.0	
PS_SU6-7	STORAGE	1.00	13.75	0.0	
PSC_Sump	STORAGE	0.50	17.13	0.0	
RetenionPond	STORAGE	6.50	9.50	0.0	
SU1-2_PS	STORAGE	2.50	13.00	0.0	

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Link Summary  
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Name	From Node	To Node	Type	Length
172_to_Inlet	Structure_-(172)	Facility77_Inlet	CONDUIT	1.0
505.0000 0.0120				
278_to_PS_B	Structure_-(278)	Structure602	CONDUIT	45.0
6.6413 0.0120				
381_to_PS77	Structure_-(381)	Facility77_Inlet	CONDUIT	1.0
0.1000 0.0120				
458_to_Inlet	Structure_-(458)	Facility77_Inlet	CONDUIT	1.0
-344.9600 0.0140				
469_to_Inlet	Structure_-(469)	Facility77_Inlet	CONDUIT	1.0
505.0000 0.0120				
C1_1	SU1-2_West	SU1-2_Central	CONDUIT	1070.0
0.3000 0.0250				
C1_2	SU1-2_Central	SU1-2_PS	CONDUIT	74.0

0.5000	0.0120	Culvert11	Ditch9_10_11	Culvert_Ditch11	CONDUIT	40.0
0.7250	0.0120	Culvert12	Ditch11_12	Culvert_Ditch12	CONDUIT	30.0
0.0333	0.0120	Culvert12a	Culvert_Ditch12a	Culvert_Ditch12b	CONDUIT	30.0
0.0333	0.0120	Culvert12c	Culvert_Ditch12c	Ditch12_18	CONDUIT	30.0
0.0033	0.0240	Ditch_77	Structure587	Structure593	CONDUIT	173.0
0.0116	0.0250	Ditch11	Culvert_Ditch11	Ditch11_12	CONDUIT	90.0
0.0556	0.0120	Ditch12	Culvert_Ditch12b	Culvert_Ditch12c	CONDUIT	260.0
0.0423	0.0250	Ditch12a	Culvert_Ditch12	Culvert_Ditch12a	CONDUIT	110.0
0.0364	0.0250	Ditch13	Structure521	Structure522	CONDUIT	170.0
0.0006	0.0250	Ditch14	Structure_-(242)	Ditch14_15	CONDUIT	330.0
0.3030	0.0250	Ditch15	Ditch14_15	Ditch15_16	CONDUIT	318.0
0.1761	0.0250	Ditch16	Ditch15_16	Ditch16_17	CONDUIT	350.0
0.2800	0.0250	Ditch17	Ditch16_17	Ditch17_5_6	CONDUIT	155.0
0.6065	0.0250	Ditch18	Ditch12_18	PS004	CONDUIT	180.0
0.6333	0.0250	Ditch2	Ditch1_2	Ditch2_3	CONDUIT	960.0
0.0781	0.0250	Ditch3	Ditch2_3	Ditch3_Out	CONDUIT	320.0
0.0781	0.0250	Ditch4_1	Ditch4_In	SU1-2_Overflow	CONDUIT	1020.0
0.0735	0.0250	Ditch4_2	SU1-2_Overflow	Ditch3_Out	CONDUIT	340.0
0.0735	0.0250	Ditch4_489	Ditch4_Out	Structure_-(489)	CONDUIT	715.0
0.0001	0.0250	Ditch5	Ditch5_Inlet	Ditch17_5_6	CONDUIT	1015.0
0.0995	0.0250	Ditch6	Ditch17_5_6	Ditch6_7	CONDUIT	165.0
0.0006	0.0250	Ditch7	Ditch6_7	Ditch7_8	CONDUIT	525.0
0.1562	0.0250	Ditch8	Ditch7_8	Outfall003	CONDUIT	183.0
0.3716	0.0250	Ditch9	Ditch9_Inlet	Roadside_Connection	CONDUIT	770.0
0.4481	0.0250	Facility73_to_Pond	Structure_-(451)	RetenionPond	CONDUIT	1.0
0.1000	0.0100	Pipe_-(1)	Structure_-(1)	Structure_-(2)	CONDUIT	56.5
0.1947	0.0120					

Pipe_-(10)	Structure_-(10)	Structure_-(503)	CONDUIT	163.2
0.0184	0.0220			
Pipe_-(10)_1	Structure_-(503)	Structure602	CONDUIT	25.9
0.1159	0.0220			
Pipe_-(117)	Structure_-(123)	Structure_-(52)	CONDUIT	196.2
1.7188	0.0120			
Pipe_-(118)	Structure_-(124)	Structure_-(123)	CONDUIT	70.2
0.3420	0.0120			
Pipe_-(119)	Structure_-(125)	Structure_-(124)	CONDUIT	234.0
0.9060	0.0120			
Pipe_-(120)	Structure_-(126)	Structure_-(125)	CONDUIT	136.0
0.2206	0.0120			
Pipe_-(122)	Structure_-(128)	Structure_-(126)	CONDUIT	203.0
0.4975	0.0120			
Pipe_-(123)	Structure_-(129)	Structure_-(128)	CONDUIT	212.0
0.7925	0.0120			
Pipe_-(124)	Structure_-(130)	Structure_-(123)	CONDUIT	151.3
0.3965	0.0120			
Pipe_-(125)	Structure_-(131)	Structure_-(130)	CONDUIT	40.0
1.3001	0.0120			
Pipe_-(126)	Structure_-(132)	Structure_-(131)	CONDUIT	46.5
1.7207	0.0120			
Pipe_-(127)	Structure_-(133)	Structure_-(125)	CONDUIT	166.0
0.4819	0.0120			
Pipe_-(128)	Structure_-(134)	Structure_-(133)	CONDUIT	119.0
0.7815	0.0120			
Pipe_-(130)	Structure_-(136)	Structure_-(133)	CONDUIT	94.3
2.2159	0.0120			
Pipe_-(133)	Structure_-(139)	Structure_-(53)	CONDUIT	9.5
1.6802	0.0120			
Pipe_-(134)	Structure_-(140)	Structure_-(139)	CONDUIT	48.5
0.2062	0.0120			
Pipe_-(135)	Structure_-(141)	Structure_-(140)	CONDUIT	38.7
0.2069	0.0120			
Pipe_-(136)	Structure_-(142)	Structure_-(141)	CONDUIT	33.0
3.4633	0.0120			
Pipe_-(137)	Structure_-(143)	Structure_-(142)	CONDUIT	32.0
2.9954	0.0120			
Pipe_-(138)	Structure_-(144)	Structure_-(143)	CONDUIT	12.0
3.0005	0.0120			
Pipe_-(153)	Structure_-(161)	Structure_-(162)	CONDUIT	160.0
0.8000	0.0120			
Pipe_-(154)	Structure_-(162)	Structure_-(163)	CONDUIT	125.0
0.8240	0.0120			
Pipe_-(155)	Structure_-(163)	Structure_-(164)	CONDUIT	177.0
0.5028	0.0120			
Pipe_-(156)	Structure_-(164)	Structure_-(165)	CONDUIT	144.0
0.3333	0.0120			
Pipe_-(157)	Structure_-(165)	Structure_-(166)	CONDUIT	126.0
0.3968	0.0120			
Pipe_-(158)	Structure_-(166)	Structure_-(167)	CONDUIT	203.0
0.3498	0.0120			
Pipe_-(159)	Structure_-(167)	Structure_-(168)	CONDUIT	127.0

0.7402	0.0120				
Pipe_-(160)		Structure_-(168)	Structure_-(169)	CONDUIT	186.0
0.1989	0.0120				
Pipe_-(161)		Structure_-(169)	Structure_-(170)	CONDUIT	94.0
0.1915	0.0120				
Pipe_-(162)		Structure_-(170)	Structure_-(171)	CONDUIT	13.1
7.9514	0.0120				
Pipe_-(163)		Structure_-(171)	Structure_-(172)	CONDUIT	174.5
0.8149	0.0120				
Pipe_-(164)		Structure_-(173)	Structure_-(171)	CONDUIT	120.9
3.2200	0.0120				
Pipe_-(165)		Structure_-(174)	Structure_-(173)	CONDUIT	122.7
0.6440	0.0120				
Pipe_-(166)		Structure_-(175)	Structure_-(174)	CONDUIT	101.0
0.2575	0.0120				
Pipe_-(167)		Structure_-(176)	Structure_-(175)	CONDUIT	132.0
0.8182	0.0120				
Pipe_-(168)		Structure_-(177)	Structure_-(176)	CONDUIT	250.0
0.4000	0.0120				
Pipe_-(169)		Structure_-(178)	Structure_-(177)	CONDUIT	248.0
0.4427	0.0120				
Pipe_-(170)		Structure_-(179)	Structure_-(178)	CONDUIT	225.0
0.4444	0.0120				
Pipe_-(171)		Structure_-(180)	Structure_-(179)	CONDUIT	240.0
0.1008	0.0120				
Pipe_-(172)		Structure_-(181)	Structure_-(180)	CONDUIT	260.0
0.6308	0.0120				
Pipe_-(18)		Structure_-(19)	Structure_-(10)	CONDUIT	139.0
0.2245	0.0120				
Pipe_-(19)		Structure_-(20)	Structure_-(8)	CONDUIT	335.3
0.1998	0.0120				
Pipe_-(196)		Structure_-(205)	Structure_-(174)	CONDUIT	15.0
3.7359	0.0120				
Pipe_-(197)		Structure_-(206)	Structure_-(205)	CONDUIT	92.0
0.1957	0.0120				
Pipe_-(198)		Structure_-(207)	Structure_-(206)	CONDUIT	186.0
0.4140	0.0120				
Pipe_-(199)		Structure_-(208)	Structure_-(207)	CONDUIT	127.0
0.7402	0.0120				
Pipe_-(2)		Structure_-(2)	Structure_-(3)	CONDUIT	179.1
0.2011	0.0120				
Pipe_-(20)		Structure_-(21)	Structure_-(20)	CONDUIT	196.6
0.1984	0.0120				
Pipe_-(200)		Structure_-(209)	Structure_-(208)	CONDUIT	203.0
0.3498	0.0120				
Pipe_-(201)		Structure_-(210)	Structure_-(209)	CONDUIT	126.0
0.3571	0.0120				
Pipe_-(202)		Structure_-(211)	Structure_-(210)	CONDUIT	144.0
0.3681	0.0120				
Pipe_-(203)		Structure_-(212)	Structure_-(211)	CONDUIT	177.0
0.5028	0.0120				
Pipe_-(204)		Structure_-(213)	Structure_-(212)	CONDUIT	125.0
0.8240	0.0120				



Pipe_-(205)	Structure_-(214)	Structure_-(213)	CONDUIT	160.0
0.8000	0.0120			
Pipe_-(206)	Structure_-(215)	Structure_-(173)	CONDUIT	13.0
5.5484	0.0120			
Pipe_-(207)	Structure_-(216)	Structure_-(215)	CONDUIT	94.0
0.1915	0.0120			
Pipe_-(208)	Structure_-(217)	Structure_-(216)	CONDUIT	186.0
0.5645	0.0120			
Pipe_-(209)	Structure_-(218)	Structure_-(217)	CONDUIT	127.0
0.5039	0.0120			
Pipe_-(210)	Structure_-(219)	Structure_-(218)	CONDUIT	203.0
0.6256	0.0120			
Pipe_-(211)	Structure_-(220)	Structure_-(219)	CONDUIT	126.0
0.5079	0.0120			
Pipe_-(212)	Structure_-(221)	Structure_-(220)	CONDUIT	144.0
0.4583	0.0120			
Pipe_-(213)	Structure_-(222)	Structure_-(221)	CONDUIT	177.0
0.4181	0.0120			
Pipe_-(214)	Structure_-(223)	Structure_-(222)	CONDUIT	125.0
0.5200	0.0120			
Pipe_-(215)	Structure520	Structure_-(223)	CONDUIT	161.7
0.4996	0.0120			
Pipe_-(22)	Structure_-(23)	Structure_-(24)	CONDUIT	4.4
0.2279	0.0100			
Pipe_-(221)	Structure_-(230)	Structure_-(171)	CONDUIT	124.5
1.8642	0.0120			
Pipe_-(222)	Structure_-(231)	Structure_-(230)	CONDUIT	122.7
1.0664	0.0100			
Pipe_-(223)	Structure_-(232)	Structure_-(231)	CONDUIT	124.1
1.0558	0.0120			
Pipe_-(224)	Structure_-(233)	Structure_-(232)	CONDUIT	108.3
0.6002	0.0120			
Pipe_-(225)	Structure_-(234)	Structure_-(233)	CONDUIT	184.8
0.6993	0.0120			
Pipe_-(226)	Structure_-(235)	Structure_-(234)	CONDUIT	127.0
0.7402	0.0120			
Pipe_-(227)	Structure_-(236)	Structure_-(235)	CONDUIT	203.0
0.3498	0.0120			
Pipe_-(228)	Structure_-(237)	Structure_-(236)	CONDUIT	120.0
0.4167	0.0120			
Pipe_-(229)	Structure_-(238)	Structure_-(237)	CONDUIT	150.0
0.3200	0.0120			
Pipe_-(23)	Structure_-(24)	Structure_-(25)	CONDUIT	34.4
0.2036	0.0100			
Pipe_-(230)	Structure_-(239)	Structure_-(238)	CONDUIT	177.0
0.5031	0.0120			
Pipe_-(231)	Structure_-(240)	Structure_-(239)	CONDUIT	125.0
0.8957	0.0120			
Pipe_-(232)	Structure_-(241)	Structure_-(240)	CONDUIT	160.0
0.7438	0.0120			
Pipe_-(234)	Structure_-(243)	Structure_-(242)	CONDUIT	124.0
0.4759	0.0120			
Pipe_-(235)	Structure_-(244)	Structure_-(243)	CONDUIT	98.1

1.0605	0.0120				
Pipe_-(236)		Structure_-(245)	Structure_-(244)	CONDUIT	97.7
0.2763	0.0120				
Pipe_-(237)		Structure_-(246)	Structure_-(231)	CONDUIT	13.0
12.7170	0.0120				
Pipe_-(238)		Structure_-(247)	Structure_-(246)	CONDUIT	94.0
0.2149	0.0120				
Pipe_-(239)		Structure_-(248)	Structure_-(247)	CONDUIT	186.0
0.4140	0.0120				
Pipe_-(24)		Structure_-(25)	Structure_-(26)	CONDUIT	158.8
0.2016	0.0100				
Pipe_-(240)		Structure_-(249)	Structure_-(248)	CONDUIT	127.0
0.7402	0.0120				
Pipe_-(241)		Structure_-(250)	Structure_-(249)	CONDUIT	203.0
0.3498	0.0120				
Pipe_-(242)		Structure_-(251)	Structure_-(250)	CONDUIT	126.0
0.3968	0.0120				
Pipe_-(243)		Structure_-(252)	Structure_-(251)	CONDUIT	144.0
0.3333	0.0120				
Pipe_-(244)		Structure_-(253)	Structure_-(252)	CONDUIT	177.0
0.4859	0.0120				
Pipe_-(245)		Structure_-(254)	Structure_-(253)	CONDUIT	125.0
0.8480	0.0120				
Pipe_-(246)		Structure_-(255)	Structure_-(254)	CONDUIT	160.0
0.8000	0.0120				
Pipe_-(247)		Structure_-(256)	Structure_-(230)	CONDUIT	13.0
18.2989	0.0120				
Pipe_-(248)		Structure_-(257)	Structure_-(256)	CONDUIT	94.0
0.1915	0.0120				
Pipe_-(249)		Structure_-(258)	Structure_-(257)	CONDUIT	186.0
0.5645	0.0120				
Pipe_-(25)		Structure_-(26)	Structure_-(27)	CONDUIT	449.4
0.2003	0.0100				
Pipe_-(250)		Structure_-(259)	Structure_-(258)	CONDUIT	127.0
0.5039	0.0120				
Pipe_-(251)		Structure_-(260)	Structure_-(259)	CONDUIT	203.0
0.6256	0.0120				
Pipe_-(252)		Structure_-(261)	Structure_-(260)	CONDUIT	126.0
0.5079	0.0120				
Pipe_-(253)		Structure_-(262)	Structure_-(261)	CONDUIT	144.0
0.4583	0.0120				
Pipe_-(254)		Structure_-(263)	Structure_-(262)	CONDUIT	177.0
0.4181	0.0120				
Pipe_-(255)		Structure_-(264)	Structure_-(263)	CONDUIT	125.0
0.5200	0.0120				
Pipe_-(256)		Structure_-(265)	Structure_-(264)	CONDUIT	160.0
0.5750	0.0120				
Pipe_-(257)		Structure_-(266)	Structure_-(265)	CONDUIT	130.4
0.5062	0.0120				
Pipe_-(258)		Structure_-(267)	Structure_-(266)	CONDUIT	24.6
0.0041	0.0120				
Pipe_-(259)		Structure_-(268)	Structure_-(267)	CONDUIT	101.0
0.4750	0.0120				

Pipe_-(26)	Structure_-(27)	Structure_-(28)	CONDUIT	58.2
0.2061	0.0100			
Pipe_-(260)	Structure_-(269)	Structure_-(268)	CONDUIT	41.9
0.5256	0.0100			
Pipe_-(261)	Structure_-(270)	Structure_-(267)	CONDUIT	135.0
0.4663	0.0120			
Pipe_-(264)	Structure_-(273)	Structure_-(274)	CONDUIT	172.7
0.1448	0.0120			
Pipe_-(265)	Structure_-(274)	Structure_-(275)	CONDUIT	102.1
0.1763	0.0120			
Pipe_-(266)	Structure_-(275)	Structure_-(276)	CONDUIT	121.8
0.3940	0.0120			
Pipe_-(267)	Structure_-(276)	Structure_-(277)	CONDUIT	159.0
0.3962	0.0120			
Pipe_-(268)	Structure_-(277)	Structure_-(278)	CONDUIT	127.9
0.5550	0.0120			
Pipe_-(27)	Structure_-(28)	Structure_-(29)	CONDUIT	35.7
0.1958	0.0100			
Pipe_-(277)	Structure_-(287)	Structure_-(277)	CONDUIT	134.5
2.7665	0.0120			
Pipe_-(278)	Structure_-(288)	Structure_-(287)	CONDUIT	122.3
0.8424	0.0120			
Pipe_-(28)	Structure_-(29)	Structure_-(30)	CONDUIT	143.4
0.2022	0.0100			
Pipe_-(285)	Structure_-(490)	Structure_-(287)	CONDUIT	143.8
0.7163	0.0120			
Pipe_-(288)	Structure_-(298)	Structure_-(276)	CONDUIT	241.1
0.6884	0.0120			
Pipe_-(29)	Structure_-(30)	Structure_-(31)	CONDUIT	387.2
0.1988	0.0100			
Pipe_-(295)	Structure_-(305)	Structure_-(277)	CONDUIT	54.0
7.4465	0.0120			
Pipe_-(296)	Structure_-(306)	Structure_-(305)	CONDUIT	153.1
0.6861	0.0120			
Pipe_-(3)	Structure_-(3)	Structure_-(4)	CONDUIT	130.0
0.2000	0.0120			
Pipe_-(30)	Structure_-(31)	Structure_-(32)	CONDUIT	197.5
0.1975	0.0100			
Pipe_-(307)	CB19	Structure_-(319)	CONDUIT	171.0
0.1755	0.0120			
Pipe_-(308)	Structure_-(319)	Structure_-(320)	CONDUIT	90.0
0.1667	0.0120			
Pipe_-(309)	Structure_-(320)	CB22	CONDUIT	88.1
0.1590	0.0120			
Pipe_-(31)	Structure_-(32)	Structure_-(33)	CONDUIT	99.5
0.2010	0.0100			
Pipe_-(310)	CB22	SDMH539	CONDUIT	153.2
1.0719	0.0120			
Pipe_-(311)	SDMH539	SDCB6003	CONDUIT	236.8
0.5913	0.0120			
Pipe_-(312)	SDCB6003	SDMH297	CONDUIT	178.1
0.2527	0.0120			
Pipe_-(313)	Structure_-(325)	Structure_-(319)	CONDUIT	155.6

0.0437	0.0120				
Pipe_-(314)		Structure_-(326)	Structure_-(325)	CONDUIT	112.8
1.0394	0.0120				
Pipe_-(319)		Structure_-(331)	Structure_-(319)	CONDUIT	70.0
3.6596	0.0100				
Pipe_-(32)		Structure_-(33)	Structure_-(34)	CONDUIT	379.9
0.2001	0.0100				
Pipe_-(320)		Structure_-(332)	Structure_-(320)	CONDUIT	60.0
4.7721	0.0100				
Pipe_-(321)		Structure_-(333)	CB22	CONDUIT	42.0
3.3352	0.0120				
Pipe_-(322)		CB30	Structure_-(333)	CONDUIT	89.0
0.5056	0.0120				
Pipe_-(323)		CB31	CB30	CONDUIT	185.0
0.1243	0.0120				
Pipe_-(327)		SDCB541	CB22	CONDUIT	38.0
0.2317	0.0120				
Pipe_-(328)		SDCB543	SDCB541	CONDUIT	143.6
0.6615	0.0120				
Pipe_-(329)		Structure_-(341)	SDCB543	CONDUIT	100.2
1.3780	0.0120				
Pipe_-(33)		Structure_-(34)	Structure_-(35)	CONDUIT	649.8
0.2001	0.0100				
Pipe_-(331)		SDMH538	SDMH539	CONDUIT	41.1
2.1925	0.0120				
Pipe_-(333)		SDMH540	SDMH539	CONDUIT	44.2
0.0906	0.0100				
Pipe_-(334)		CB33	SDMH540	CONDUIT	83.8
3.0343	0.0100				
Pipe_-(337)		SDMH299	SDMH297	CONDUIT	30.6
0.0654	0.0220				
Pipe_-(338)		Structure522	SDMH299	CONDUIT	222.9
0.0772	0.0220				
Pipe_-(34)		Structure_-(35)	Structure_-(56)	CONDUIT	98.9
0.2023	0.0100				
Pipe_-(340)		SDCB6005	SDCB6003	CONDUIT	185.6
3.1111	0.0100				
Pipe_-(35)		Structure_-(56)	Structure_-(37)	CONDUIT	137.2
0.1967	0.0120				
Pipe_-(358)		Structure_-(371)	Structure_-(370)	CONDUIT	36.6
0.4866	0.0100				
Pipe_-(359)		Structure_-(372)	Structure_-(371)	CONDUIT	689.8
0.3001	0.0100				
Pipe_-(36)		Structure_-(37)	Structure_-(38)	CONDUIT	146.8
0.1976	0.0120				
Pipe_-(360)		Structure_-(370)	Structure_-(373)	CONDUIT	34.4
0.2383	0.0100				
Pipe_-(361)		Structure_-(374)	Structure_-(375)	CONDUIT	42.5
0.6940	0.0100				
Pipe_-(362)		Structure_-(375)	Structure_-(376)	CONDUIT	27.3
0.8805	0.0100				
Pipe_-(363)		Structure_-(376)	Structure_-(377)	CONDUIT	46.1
0.6508	0.0100				

Pipe_-(364)	Structure_-(377)	Structure_-(378)	CONDUIT	69.7
0.5312	0.0100			
Pipe_-(365)	Structure_-(378)	Structure_-(379)	CONDUIT	62.4
6.6209	0.0100			
Pipe_-(366)	Structure_-(379)	Structure_-(380)	CONDUIT	115.7
-0.6657	0.0120			
Pipe_-(367)	Structure_-(380)	Structure_-(381)	CONDUIT	75.7
0.2377	0.0120			
Pipe_-(369)	Structure_-(502)	Structure_-(379)	CONDUIT	25.0
15.5846	0.0100			
Pipe_-(37)	Structure_-(38)	Structure_-(39)	CONDUIT	56.8
0.1937	0.0120			
Pipe_-(370)	Structure_-(478)	Structure_-(379)	CONDUIT	133.0
0.0075	0.0120			
Pipe_-(374)	Structure_-(389)	Structure_-(390)	CONDUIT	139.2
0.0007	0.0220			
Pipe_-(375)	Structure_-(390)	Structure_-(391)	CONDUIT	166.0
0.2892	0.0220			
Pipe_-(376)	Structure_-(396)	Structure_-(391)	CONDUIT	90.0
0.9667	0.0220			
Pipe_-(377)	Structure_-(392)	Structure_-(393)	CONDUIT	116.8
0.8052	0.0120			
Pipe_-(378)	Structure_-(393)	Structure_-(394)	CONDUIT	88.4
2.2076	0.0120			
Pipe_-(379)	Structure_-(394)	Structure_-(395)	CONDUIT	79.8
2.2051	0.0120			
Pipe_-(38)	Structure_-(39)	Structure_-(40)	CONDUIT	89.7
0.1985	0.0120			
Pipe_-(380)	Structure_-(391)	Structure_-(392)	CONDUIT	63.5
6.3263	0.0220			
Pipe_-(381)	Structure_-(397)	Structure_-(393)	CONDUIT	15.5
8.4382	0.0100			
Pipe_-(382)	Structure_-(398)	Structure_-(393)	CONDUIT	53.2
1.6905	0.0100			
Pipe_-(383)	Structure_-(399)	Structure_-(398)	CONDUIT	40.0
1.7002	0.0100			
Pipe_-(384)	Structure_-(400)	Structure_-(393)	CONDUIT	79.0
1.1395	0.0100			
Pipe_-(385)	Structure_-(401)	Structure_-(400)	CONDUIT	109.0
1.1923	0.0100			
Pipe_-(386)	Structure_-(404)	Structure_-(401)	CONDUIT	67.7
1.6840	0.0100			
Pipe_-(387)	Structure_-(405)	Structure_-(404)	CONDUIT	40.0
2.0004	0.0100			
Pipe_-(389)	Structure_-(407)	Structure_-(394)	CONDUIT	17.5
16.2439	0.0100			
Pipe_-(39)	Structure_-(40)	Structure_-(41)	CONDUIT	115.8
1.8909	0.0120			
Pipe_-(390)	Structure_-(96)	Structure_-(408)	CONDUIT	43.9
0.2918	0.0120			
Pipe_-(4)	Structure_-(4)	Structure_-(5)	CONDUIT	160.9
0.1989	0.0120			
Pipe_-(40)	Structure_-(41)	Structure_-(42)	CONDUIT	40.0

0.0999	0.0120	Pipe_-(404)	Structure_-(426)	Structure593	CONDUIT	104.4
3.8451	0.0120	Pipe_-(405)	Structure_-(427)	Structure_-(426)	CONDUIT	62.6
0.4152	0.0120	Pipe_-(408)	Structure_-(431)	Outfall_002A	CONDUIT	950.0
1.0001	0.0100	Pipe_-(409)	Structure_-(432)	Structure_-(431)	CONDUIT	68.3
0.4978	0.0100	Pipe_-(41)	Structure_-(42)	Structure_-(43)	CONDUIT	199.0
0.2724	0.0120	Pipe_-(410)	Structure_-(433)	Structure_-(432)	CONDUIT	62.9
0.5084	0.0100	Pipe_-(411)	Structure_-(434)	Structure_-(433)	CONDUIT	230.9
0.5024	0.0100	Pipe_-(412)	Structure_-(435)	Structure_-(434)	CONDUIT	2.7
0.3663	0.0100	Pipe_-(42)	Structure_-(43)	Structure_-(44)	CONDUIT	122.0
0.1967	0.0120	Pipe_-(423)	Structure_-(446)	Structure_-(447)	CONDUIT	73.6
0.5030	0.0100	Pipe_-(424)	Structure_-(447)	Structure_-(448)	CONDUIT	63.1
0.4916	0.0100	Pipe_-(425)	Structure_-(448)	Structure_-(449)	CONDUIT	396.9
0.5014	0.0100	Pipe_-(426)	Structure_-(449)	Structure_-(450)	CONDUIT	119.9
0.5003	0.0100	Pipe_-(427)	Structure_-(450)	Structure_-(451)	CONDUIT	41.3
0.4839	0.0100	Pipe_-(429)	Structure_-(453)	Structure_-(454)	CONDUIT	11.8
0.0424	0.0100	Pipe_-(43)	Structure_-(44)	Structure_-(45)	CONDUIT	19.0
0.2105	0.0120	Pipe_-(430)	Structure_-(454)	Structure_-(455)	CONDUIT	27.1
0.0479	0.0100	Pipe_-(431)	Structure_-(455)	Structure_-(456)	CONDUIT	161.9
0.1236	0.0100	Pipe_-(432)	Structure_-(456)	Structure_-(457)	CONDUIT	40.0
0.2548	0.0140	Pipe_-(433)	Structure_-(457)	Structure_-(458)	CONDUIT	167.8
0.1375	0.0140	Pipe_-(434)	Facility77_PS	Structure_-(459)	CONDUIT	325.4
0.5010	0.0140	Pipe_-(435)	Structure_-(459)	Structure_-(460)	CONDUIT	8.3
0.4844	0.0140	Pipe_-(436)	Structure_-(460)	Structure_-(461)	CONDUIT	100.1
0.5992	0.0140	Pipe_-(437)	Structure_-(461)	Structure_-(462)	CONDUIT	31.1
0.4828	0.0140	Pipe_-(438)	Structure_-(462)	Structure_-(463)	CONDUIT	349.4
0.5009	0.0140	Pipe_-(439)	Structure_-(463)	Structure_-(446)	CONDUIT	7.0
-154.9749	0.0140					

Pipe_-(44)	Structure_-(45)	Structure_-(46)	CONDUIT	34.0
0.2059	0.0120			
Pipe_-(443)	Structure_-(470)	Structure_-(469)	CONDUIT	101.0
3.5716	0.0120			
Pipe_-(444)	Structure_-(471)	Structure_-(470)	CONDUIT	38.1
0.4466	0.0120			
Pipe_-(445)	Structure_-(472)	Structure_-(471)	CONDUIT	26.9
0.4826	0.0120			
Pipe_-(446)	Structure_-(473)	Structure_-(472)	CONDUIT	17.0
0.5177	0.0120			
Pipe_-(447)	Structure_-(475)	Structure_-(476)	CONDUIT	23.2
0.4732	0.0100			
Pipe_-(448)	Structure_-(476)	Structure_-(477)	CONDUIT	64.1
0.4993	0.0100			
Pipe_-(449)	Structure_-(477)	Structure_-(478)	CONDUIT	65.6
0.5027	0.0100			
Pipe_-(45)	Structure_-(46)	Structure_-(47)	CONDUIT	102.3
0.4498	0.0240			
Pipe_-(450)	Structure593	Structure_-(478)	CONDUIT	68.2
0.0440	0.0120			
Pipe_-(452)	Structure_-(481)	Structure_-(453)	CONDUIT	1398.0
0.0036	0.0100			
Pipe_-(453)	Structure_-(482)	Structure_-(481)	CONDUIT	89.7
0.0558	0.0100			
Pipe_-(454)	Structure_-(483)	Structure_-(482)	CONDUIT	107.6
0.0465	0.0100			
Pipe_-(455)	Structure_-(484)	Structure_-(483)	CONDUIT	26.5
0.4524	0.0100			
Pipe_-(456)	Structure_-(485)	Structure_-(484)	CONDUIT	20.4
0.1473	0.0100			
Pipe_-(460)	Structure_-(487)	Structure_-(477)	CONDUIT	26.7
0.4866	0.0100			
Pipe_-(461)	Structure_-(395)	Structure587	CONDUIT	54.5
0.0018	0.0240			
Pipe_-(462)	Structure_-(489)	Structure_-(395)	CONDUIT	49.0
0.9193	0.0240			
Pipe_-(467)	SDMH297	SDMH301	CONDUIT	257.0
0.0700	0.0120			
Pipe_-(47)	Structure_-(47)	Structure_-(50)	CONDUIT	73.5
0.6123	0.0220			
Pipe_-(474)	Structure_-(98)	Structure_-(495)	CONDUIT	29.9
0.3010	0.0120			
Pipe_-(49)	Structure_-(50)	Structure_-(51)	CONDUIT	84.8
0.3065	0.0220			
Pipe_-(5)	Structure_-(5)	Structure_-(6)	CONDUIT	336.7
0.1990	0.0120			
Pipe_-(50)	Structure_-(51)	Structure_-(52)	CONDUIT	103.2
0.2132	0.0220			
Pipe_-(51)	Structure_-(52)	Structure_-(53)	CONDUIT	143.4
0.0070	0.0220			
Pipe_-(52)	Structure_-(53)	Structure_-(54)	CONDUIT	210.5
0.0131	0.0120			
Pipe_-(53)	Structure_-(54)	Facility77_Inlet	CONDUIT	122.3

0.3126	0.0220	Pipe_-(54)	Structure_-(57)	Structure_-(56)	CONDUIT	105.3
0.1995	0.0120	Pipe_-(55)	Structure_-(58)	Structure_-(57)	CONDUIT	51.9
0.1927	0.0120	Pipe_-(56)	Structure_-(59)	Structure_-(58)	CONDUIT	154.5
0.2006	0.0120	Pipe_-(57)	Structure_-(60)	Structure_-(59)	CONDUIT	60.0
0.2000	0.0120	Pipe_-(58)	Structure_-(61)	Structure_-(60)	CONDUIT	48.0
0.2083	0.0120	Pipe_-(59)	Structure_-(62)	Structure_-(61)	CONDUIT	50.4
0.1983	0.0120	Pipe_-(6)	Structure_-(6)	Structure_-(7)	CONDUIT	172.8
0.2014	0.0120	Pipe_-(60)	Structure_-(63)	Structure_-(62)	CONDUIT	125.3
0.1995	0.0120	Pipe_-(65)	Structure_-(70)	Structure_-(37)	CONDUIT	40.0
0.1999	0.0120	Pipe_-(66)	Structure_-(71)	Structure_-(70)	CONDUIT	54.1
2.0504	0.0120	Pipe_-(67)	Structure_-(72)	Structure_-(71)	CONDUIT	30.2
0.1988	0.0120	Pipe_-(68)	Structure_-(73)	Structure_-(72)	CONDUIT	134.3
0.2011	0.0120	Pipe_-(69)	Structure_-(74)	Structure_-(73)	CONDUIT	120.0
0.2000	0.0120	Pipe_-(7)	Structure_-(7)	Structure_-(8)	CONDUIT	122.8
0.2053	0.0140	Pipe_-(70)	Structure_-(75)	Structure_-(74)	CONDUIT	120.0
0.2000	0.0120	Pipe_-(71)	Structure_-(76)	Structure_-(75)	CONDUIT	120.0
0.2000	0.0120	Pipe_-(72)	Structure_-(77)	Structure_-(76)	CONDUIT	120.0
0.2000	0.0120	Pipe_-(73)	Structure_-(78)	Structure_-(77)	CONDUIT	120.0
0.2000	0.0120	Pipe_-(74)	Structure_-(79)	Structure_-(38)	CONDUIT	104.5
0.1913	0.0120	Pipe_-(75)	Structure_-(80)	Structure_-(79)	CONDUIT	143.3
0.2024	0.0120	Pipe_-(76)	Structure_-(81)	Structure_-(80)	CONDUIT	120.0
0.2000	0.0120	Pipe_-(77)	Structure_-(82)	Structure_-(81)	CONDUIT	120.0
0.2000	0.0120	Pipe_-(78)	Structure_-(83)	Structure_-(82)	CONDUIT	120.0
0.2000	0.0120	Pipe_-(79)	Structure_-(84)	Structure_-(83)	CONDUIT	120.0
0.2000	0.0120	Pipe_-(8)	Structure_-(8)	Structure_-(9)	CONDUIT	138.0
0.2029	0.0140	Pipe_-(80)	Structure_-(85)	Structure_-(84)	CONDUIT	120.0
0.2000	0.0120					



Pipe_-(81)	Structure_-(86)	Structure_-(42)	CONDUIT	73.5
3.1325 0.0120				
Pipe_-(82)	Structure_-(87)	Structure_-(86)	CONDUIT	22.4
0.3571 0.0120				
Pipe_-(83)	Structure_-(88)	Structure_-(87)	CONDUIT	47.0
0.3830 0.0120				
Pipe_-(84)	Structure_-(89)	Structure_-(88)	CONDUIT	27.4
0.3283 0.0120				
Pipe_-(85)	Structure_-(90)	Structure_-(89)	CONDUIT	102.0
0.1353 0.0120				
Pipe_-(87)	Structure_-(92)	Structure_-(90)	CONDUIT	49.7
2.2377 0.0120				
Pipe_-(88)	Structure_-(93)	Structure_-(92)	CONDUIT	74.6
0.4824 0.0120				
Pipe_-(89)	Structure_-(94)	Structure_-(93)	CONDUIT	42.4
0.4011 0.0120				
Pipe_-(9)	Structure_-(9)	Structure_-(10)	CONDUIT	265.4
0.0301 0.0140				
Pipe_-(90)	Structure_-(95)	Structure_-(94)	CONDUIT	16.9
0.1064 0.0120				
Pipe_-(91)	Structure_-(408)	Structure_-(95)	CONDUIT	30.5
0.0722 0.0120				
Pipe_-(92)	Structure_-(97)	Structure_-(96)	CONDUIT	118.4
0.2957 0.0120				
Pipe_-(93)	Structure_-(495)	Structure_-(97)	CONDUIT	29.5
0.3049 0.0120				
Pipe_-(94)	Structure_-(99)	Structure_-(98)	CONDUIT	63.1
0.3013 0.0120				
Pipe_-(95)	Structure_-(100)	Structure_-(99)	CONDUIT	98.8
0.3036 0.0120				
Pipe_-(96)	Structure_-(101)	Structure_-(100)	CONDUIT	16.8
0.2977 0.0120				
Pipe_-(97)	Structure_-(102)	Structure_-(99)	CONDUIT	59.7
0.3017 0.0120				
Pipe_PS_A	Structure_-(373)	Structure_-(485)	CONDUIT	10.0
42.3538 0.0100				
Pipe_PS_B	Structure602	Structure_-(47)	CONDUIT	280.0
0.0107 0.0140				
Pipe468	SDMH301	Ditch5_Inlet	CONDUIT	77.0
0.0649 0.0120				
Pipe483	SDCB294	Structure521	CONDUIT	80.1
0.9983 0.0120				
PSC_Overflow	PSC_Sump	Structure_-(489)	CONDUIT	142.0
6.5350 0.0220				
PSC_to_Outfall	PSC_Outlet	Structure_-(435)	CONDUIT	600.0
2.5075 0.0100				
Roadside_Culvert	Roadside_Connection	Ditch9_10_11	CONDUIT	45.0
0.4889 0.0120				
SU1-2_Force1	SU1-2_PSOut	SU1-2_J1	CONDUIT	420.0
0.0002 0.0100				
SU1-2_Force2_1	SU1-2_J1	SU1-2_J1-2	CONDUIT	405.0
0.4938 0.0100				
SU1-2_Force2_2	SU1-2_J1-2	SU1-2_J2	CONDUIT	1215.0

0.4938	0.0100	SU1-2_Force3	SU1-2_J2	Structure_-(431)	CONDUIT	450.0
1.6380	0.0100	SU1-2_SouthDitch	SU1-2_South	SU1-2_Central	CONDUIT	750.0
1.0667	0.0250	SU67-FM1	SU67-J1	SU67-J2	CONDUIT	1380.0
0.1884	0.0100	SU67-FM2	SU67-J2	SU67-J3	CONDUIT	600.0
0.2167	0.0100	SU67-FM3	SU67-J3	SU67-J4	CONDUIT	140.0
0.1429	0.0100	SU67-FM4	SU67-J4	SU67-J5	CONDUIT	225.0
1.3512	0.0100	SU67-FM5	SU67-J5	SU67-J6	CONDUIT	225.0
0.4133	0.0100	SU67-FM6	SU67-J6	SU67-J7	CONDUIT	110.0
0.4182	0.0100	SU67-FM7	SU67-J7	Structure_-(431)	CONDUIT	1240.0
0.8081	0.0100	SU6-E	SU6-1E	SU6-1NE	CONDUIT	520.0
0.2500	0.0250	SU6-SU7_1	SU6-1NE	SU6-7	CONDUIT	84.0
0.5000	0.0120	SU6-SU7_2	SU6-7	PS_SU6-7	CONDUIT	84.0
0.6191	0.0120	SU6-W	SU6-1S	SU6-1NE	CONDUIT	760.0
0.2500	0.0250	SU7-Culvert	SU7-3W	SU6-7	CONDUIT	94.0
0.5000	0.0120	SU7-W	SU7-2W	SU7-3W	CONDUIT	240.0
0.2500	0.0250	UDitch_Single	Ditch3_Out	UDitch_Out	CONDUIT	670.0
0.0746	0.0250	UDitch_Transition	UDitch_Out	Ditch4_Out	CONDUIT	450.0
1.0001	0.0250	004Pump1	PS004	Structure_-(23)	TYPE3 PUMP	
		77Pump1	Facility77_Inlet	Facility77_PS	TYPE3 PUMP	
		77Pump2	Facility77_Inlet	Facility77_PS	TYPE3 PUMP	
		CPump1	PSC_Sump	PSC_Outlet	TYPE4 PUMP	
		CPump2	PSC_Sump	PSC_Outlet	TYPE4 PUMP	
		PumpSU7-1	PS_SU6-7	SU67-J1	TYPE4 PUMP	
		SU1-2_Pump	SU1-2_PS	SU1-2_PSOut	TYPE4 PUMP	
		W1	SU1-2_PS	SU1-2_Overflow	WEIR	
		PondOutlet	RetenionPond	PSC_Sump	OUTLET	

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Cross Section Summary  
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of	Full		Full	Full	Hyd.	Max.	No.
Barrels	Conduit	Shape	Depth	Area	Rad.	Width	
	Flow						

172_to_Inlet	CIRCULAR	4.00	12.57	1.00	4.00
1 3496.98					
278_to_PS_B	CIRCULAR	2.25	3.98	0.56	2.25
1 86.46					
381_to_PS77	RECT_CLOSED	3.00	51.90	1.28	17.30
1 239.39					
458_to_Inlet	CIRCULAR	1.67	2.18	0.42	1.67
1 239.93					
469_to_Inlet	CIRCULAR	2.00	3.14	0.50	2.00
1 550.74					
C1_1	TRAPEZOIDAL	2.00	32.00	1.30	24.00
1 124.41					
C1_2	CIRCULAR	2.00	3.14	0.50	2.00
1 17.33					
Culvert11	CIRCULAR	2.00	3.14	0.50	2.00
1 20.87					
Culvert12	CIRCULAR	1.00	0.79	0.25	1.00
1 0.70					
Culvert12a	CIRCULAR	1.00	0.79	0.25	1.00
2 0.70					
Culvert12c	CIRCULAR	3.00	7.07	0.75	3.00
1 2.09					
Ditch_77	TRAPEZOIDAL	1.30	36.54	0.92	39.42
1 22.12					
Ditch11	TRAPEZOIDAL	3.50	35.00	1.88	17.00
1 155.41					
Ditch12	TRAPEZOIDAL	3.50	35.00	1.88	17.00
1 65.10					
Ditch12a	TRAPEZOIDAL	3.50	35.00	1.88	17.00
1 60.35					
Ditch13	TRAPEZOIDAL	2.60	52.78	1.82	28.10
1 11.33					
Ditch14	TRAPEZOIDAL	1.30	36.54	0.92	39.42
1 113.27					
Ditch15	TRAPEZOIDAL	1.30	10.73	0.64	16.51
1 19.92					
Ditch16	TRAPEZOIDAL	1.90	39.71	0.95	41.80
1 120.37					
Ditch17	TRAPEZOIDAL	3.40	43.86	2.17	18.00
1 340.31					
Ditch18	TRAPEZOIDAL	3.20	39.04	1.88	19.40
1 281.37					
Ditch2	TRAPEZOIDAL	5.00	450.00	4.22	105.00
1 1952.52					
Ditch3	TRAPEZOIDAL	5.00	325.00	3.98	80.00
1 1356.45					
Ditch4_1	TRAPEZOIDAL	5.00	325.00	3.98	80.00
1 1315.95					
Ditch4_2	TRAPEZOIDAL	5.00	325.00	3.98	80.00
1 1315.95					

1	Ditch4_489	TRAPEZOIDAL	11.00	374.00	6.11	56.00
1	87.88					
1	Ditch5	TRAPEZOIDAL	4.90	104.86	3.13	31.20
1	420.61					
1	Ditch6	TRAPEZOIDAL	7.00	152.95	3.90	35.85
1	55.49					
1	Ditch7	TRAPEZOIDAL	6.00	130.80	3.54	34.10
1	713.90					
1	Ditch8	TRAPEZOIDAL	6.85	117.31	3.17	34.25
1	917.65					
1	Ditch9	TRAPEZOIDAL	3.50	35.00	1.88	17.00
1	211.85					
1	Facility73_to_Pond	FORCE_MAIN	1.33	1.40	0.33	1.33
1	3.46					
1	Pipe_-(1)	CIRCULAR	1.50	1.77	0.38	1.50
1	5.02					
1	Pipe_-(10)	CIRCULAR	3.00	7.07	0.75	3.00
1	5.34					
1	Pipe_-(10)-(1)	CIRCULAR	3.00	7.07	0.75	3.00
1	13.42					
1	Pipe_-(117)	CIRCULAR	1.75	2.41	0.44	1.75
1	22.50					
1	Pipe_-(118)	CIRCULAR	1.75	2.41	0.44	1.75
1	10.04					
1	Pipe_-(119)	CIRCULAR	1.75	2.41	0.44	1.75
1	16.34					
1	Pipe_-(120)	CIRCULAR	1.25	1.23	0.31	1.25
1	3.29					
1	Pipe_-(122)	CIRCULAR	1.25	1.23	0.31	1.25
1	4.94					
1	Pipe_-(123)	CIRCULAR	1.00	0.79	0.25	1.00
1	3.44					
1	Pipe_-(124)	CIRCULAR	1.00	0.79	0.25	1.00
1	2.43					
1	Pipe_-(125)	CIRCULAR	1.00	0.79	0.25	1.00
1	4.40					
1	Pipe_-(126)	CIRCULAR	1.00	0.79	0.25	1.00
1	5.06					
1	Pipe_-(127)	CIRCULAR	1.25	1.23	0.31	1.25
1	4.86					
1	Pipe_-(128)	CIRCULAR	1.00	0.79	0.25	1.00
1	3.41					
1	Pipe_-(130)	CIRCULAR	1.00	0.79	0.25	1.00
1	5.75					
1	Pipe_-(133)	CIRCULAR	1.00	0.79	0.25	1.00
1	5.00					
1	Pipe_-(134)	CIRCULAR	1.00	0.79	0.25	1.00
1	1.75					
1	Pipe_-(135)	CIRCULAR	1.00	0.79	0.25	1.00
1	1.76					
1	Pipe_-(136)	CIRCULAR	1.00	0.79	0.25	1.00
1	7.18					
1	Pipe_-(137)	CIRCULAR	1.00	0.79	0.25	1.00

1	6.68					
	Pipe_-(138)	CIRCULAR	1.00	0.79	0.25	1.00
1	6.69					
	Pipe_-(153)	CIRCULAR	1.00	0.79	0.25	1.00
1	3.45					
	Pipe_-(154)	CIRCULAR	1.25	1.23	0.31	1.25
1	6.35					
	Pipe_-(155)	CIRCULAR	1.50	1.77	0.38	1.50
1	8.07					
	Pipe_-(156)	CIRCULAR	1.75	2.41	0.44	1.75
1	9.91					
	Pipe_-(157)	CIRCULAR	1.75	2.41	0.44	1.75
1	10.81					
	Pipe_-(158)	CIRCULAR	1.75	2.41	0.44	1.75
1	10.15					
	Pipe_-(159)	CIRCULAR	1.75	2.41	0.44	1.75
1	14.77					
	Pipe_-(160)	CIRCULAR	2.00	3.14	0.50	2.00
1	10.93					
	Pipe_-(161)	CIRCULAR	2.00	3.14	0.50	2.00
1	10.72					
	Pipe_-(162)	CIRCULAR	2.00	3.14	0.50	2.00
1	69.11					
	Pipe_-(163)	CIRCULAR	4.00	12.57	1.00	4.00
1	140.48					
	Pipe_-(164)	CIRCULAR	2.75	5.94	0.69	2.75
1	102.81					
	Pipe_-(165)	CIRCULAR	2.00	3.14	0.50	2.00
1	19.67					
	Pipe_-(166)	CIRCULAR	1.50	1.77	0.38	1.50
1	5.77					
	Pipe_-(167)	CIRCULAR	1.50	1.77	0.38	1.50
1	10.29					
	Pipe_-(168)	CIRCULAR	1.50	1.77	0.38	1.50
1	7.20					
	Pipe_-(169)	CIRCULAR	1.50	1.77	0.38	1.50
1	7.57					
	Pipe_-(170)	CIRCULAR	1.25	1.23	0.31	1.25
1	4.67					
	Pipe_-(171)	CIRCULAR	1.25	1.23	0.31	1.25
1	2.22					
	Pipe_-(172)	CIRCULAR	1.00	0.79	0.25	1.00
1	3.07					
	Pipe_-(18)	CIRCULAR	1.75	2.41	0.44	1.75
1	8.13					
	Pipe_-(19)	CIRCULAR	1.50	1.77	0.38	1.50
1	5.09					
	Pipe_-(196)	CIRCULAR	2.00	3.14	0.50	2.00
1	47.37					
	Pipe_-(197)	CIRCULAR	2.00	3.14	0.50	2.00
1	10.84					
	Pipe_-(198)	CIRCULAR	2.00	3.14	0.50	2.00
1	15.77					

1	Pipe_-(199) 14.77	CIRCULAR	1.75	2.41	0.44	1.75
1	Pipe_-(2) 5.10	CIRCULAR	1.50	1.77	0.38	1.50
1	Pipe_-(20) 5.07	CIRCULAR	1.50	1.77	0.38	1.50
1	Pipe_-(200) 10.15	CIRCULAR	1.75	2.41	0.44	1.75
1	Pipe_-(201) 10.26	CIRCULAR	1.75	2.41	0.44	1.75
1	Pipe_-(202) 10.41	CIRCULAR	1.75	2.41	0.44	1.75
1	Pipe_-(203) 8.07	CIRCULAR	1.50	1.77	0.38	1.50
1	Pipe_-(204) 6.35	CIRCULAR	1.25	1.23	0.31	1.25
1	Pipe_-(205) 3.45	CIRCULAR	1.00	0.79	0.25	1.00
1	Pipe_-(206) 57.73	CIRCULAR	2.00	3.14	0.50	2.00
1	Pipe_-(207) 10.72	CIRCULAR	2.00	3.14	0.50	2.00
1	Pipe_-(208) 18.41	CIRCULAR	2.00	3.14	0.50	2.00
1	Pipe_-(209) 17.40	CIRCULAR	2.00	3.14	0.50	2.00
1	Pipe_-(210) 13.58	CIRCULAR	1.75	2.41	0.44	1.75
1	Pipe_-(211) 12.23	CIRCULAR	1.75	2.41	0.44	1.75
1	Pipe_-(212) 11.62	CIRCULAR	1.75	2.41	0.44	1.75
1	Pipe_-(213) 11.10	CIRCULAR	1.75	2.41	0.44	1.75
1	Pipe_-(214) 8.21	CIRCULAR	1.50	1.77	0.38	1.50
1	Pipe_-(215) 4.95	CIRCULAR	1.25	1.23	0.31	1.25
1	Pipe_-(22) 0.05	FORCE_MAIN	0.25	0.05	0.06	0.25
1	Pipe_-(221) 98.66	CIRCULAR	3.00	7.07	0.75	3.00
1	Pipe_-(222) 55.06	CIRCULAR	2.50	4.91	0.63	2.50
1	Pipe_-(223) 25.18	CIRCULAR	2.00	3.14	0.50	2.00
1	Pipe_-(224) 18.99	CIRCULAR	2.00	3.14	0.50	2.00
1	Pipe_-(225) 20.49	CIRCULAR	2.00	3.14	0.50	2.00
1	Pipe_-(226) 14.77	CIRCULAR	1.75	2.41	0.44	1.75
1	Pipe_-(227)	CIRCULAR	1.75	2.41	0.44	1.75

1	10.15					
	Pipe_-(228)	CIRCULAR	1.75	2.41	0.44	1.75
1	11.08					
	Pipe_-(229)	CIRCULAR	1.75	2.41	0.44	1.75
1	9.71					
	Pipe_-(23)	FORCE_MAIN	0.50	0.20	0.13	0.50
1	0.29					
	Pipe_-(230)	CIRCULAR	1.50	1.77	0.38	1.50
1	8.07					
	Pipe_-(231)	CIRCULAR	1.25	1.23	0.31	1.25
1	6.62					
	Pipe_-(232)	CIRCULAR	1.00	0.79	0.25	1.00
1	3.33					
	Pipe_-(234)	CIRCULAR	1.50	1.77	0.38	1.50
1	7.85					
	Pipe_-(235)	CIRCULAR	1.50	1.77	0.38	1.50
1	11.72					
	Pipe_-(236)	CIRCULAR	1.50	1.77	0.38	1.50
1	5.98					
	Pipe_-(237)	CIRCULAR	2.00	3.14	0.50	2.00
1	87.40					
	Pipe_-(238)	CIRCULAR	2.00	3.14	0.50	2.00
1	11.36					
	Pipe_-(239)	CIRCULAR	2.00	3.14	0.50	2.00
1	15.77					
	Pipe_-(24)	FORCE_MAIN	0.50	0.20	0.13	0.50
1	0.29					
	Pipe_-(240)	CIRCULAR	1.75	2.41	0.44	1.75
1	14.77					
	Pipe_-(241)	CIRCULAR	1.75	2.41	0.44	1.75
1	10.15					
	Pipe_-(242)	CIRCULAR	1.75	2.41	0.44	1.75
1	10.81					
	Pipe_-(243)	CIRCULAR	1.75	2.41	0.44	1.75
1	9.91					
	Pipe_-(244)	CIRCULAR	1.50	1.77	0.38	1.50
1	7.93					
	Pipe_-(245)	CIRCULAR	1.25	1.23	0.31	1.25
1	6.44					
	Pipe_-(246)	CIRCULAR	1.00	0.79	0.25	1.00
1	3.45					
	Pipe_-(247)	CIRCULAR	2.00	3.14	0.50	2.00
1	104.84					
	Pipe_-(248)	CIRCULAR	2.00	3.14	0.50	2.00
1	10.72					
	Pipe_-(249)	CIRCULAR	2.00	3.14	0.50	2.00
1	18.41					
	Pipe_-(25)	FORCE_MAIN	0.50	0.20	0.13	0.50
1	0.29					
	Pipe_-(250)	CIRCULAR	2.00	3.14	0.50	2.00
1	17.40					
	Pipe_-(251)	CIRCULAR	1.75	2.41	0.44	1.75
1	13.58					

1	Pipe_-(252)	CIRCULAR	1.75	2.41	0.44	1.75
	12.23					
1	Pipe_-(253)	CIRCULAR	1.75	2.41	0.44	1.75
	11.62					
1	Pipe_-(254)	CIRCULAR	1.75	2.41	0.44	1.75
	11.10					
1	Pipe_-(255)	CIRCULAR	1.50	1.77	0.38	1.50
	8.21					
1	Pipe_-(256)	CIRCULAR	1.25	1.23	0.31	1.25
	5.31					
1	Pipe_-(257)	CIRCULAR	1.00	0.79	0.25	1.00
	2.75					
1	Pipe_-(258)	CIRCULAR	1.00	0.79	0.25	1.00
	0.25					
1	Pipe_-(259)	CIRCULAR	1.00	0.79	0.25	1.00
	2.66					
1	Pipe_-(26)	FORCE_MAIN	0.50	0.20	0.13	0.50
	0.30					
1	Pipe_-(260)	CIRCULAR	0.50	0.20	0.13	0.50
	0.53					
1	Pipe_-(261)	CIRCULAR	1.00	0.79	0.25	1.00
	2.64					
1	Pipe_-(264)	CIRCULAR	1.25	1.23	0.31	1.25
	2.66					
1	Pipe_-(265)	CIRCULAR	1.50	1.77	0.38	1.50
	4.78					
1	Pipe_-(266)	CIRCULAR	1.50	1.77	0.38	1.50
	7.14					
1	Pipe_-(267)	CIRCULAR	2.00	3.14	0.50	2.00
	15.43					
1	Pipe_-(268)	CIRCULAR	2.25	3.98	0.56	2.25
	25.00					
1	Pipe_-(27)	FORCE_MAIN	0.50	0.20	0.13	0.50
	0.29					
1	Pipe_-(277)	CIRCULAR	1.25	1.23	0.31	1.25
	11.64					
1	Pipe_-(278)	CIRCULAR	1.00	0.79	0.25	1.00
	3.54					
1	Pipe_-(28)	FORCE_MAIN	0.50	0.20	0.13	0.50
	0.29					
1	Pipe_-(285)	CIRCULAR	1.00	0.79	0.25	1.00
	3.27					
1	Pipe_-(288)	CIRCULAR	1.75	2.41	0.44	1.75
	14.24					
1	Pipe_-(29)	FORCE_MAIN	0.50	0.20	0.13	0.50
	0.29					
1	Pipe_-(295)	CIRCULAR	1.00	0.79	0.25	1.00
	10.53					
1	Pipe_-(296)	CIRCULAR	1.00	0.79	0.25	1.00
	3.20					
1	Pipe_-(3)	CIRCULAR	1.50	1.77	0.38	1.50
	5.09					
1	Pipe_-(30)	FORCE_MAIN	0.50	0.20	0.13	0.50



1	0.29					
	Pipe_-(307)	CIRCULAR	1.50	1.77	0.38	1.50
1	4.77					
	Pipe_-(308)	CIRCULAR	1.50	1.77	0.38	1.50
1	4.65					
	Pipe_-(309)	CIRCULAR	1.50	1.77	0.38	1.50
1	4.54					
	Pipe_-(31)	FORCE_MAIN	0.50	0.20	0.13	0.50
1	0.29					
	Pipe_-(310)	CIRCULAR	1.75	2.41	0.44	1.75
1	17.77					
	Pipe_-(311)	CIRCULAR	2.50	4.91	0.63	2.50
1	34.17					
	Pipe_-(312)	CIRCULAR	2.50	4.91	0.63	2.50
1	22.34					
	Pipe_-(313)	CIRCULAR	1.25	1.23	0.31	1.25
1	1.46					
	Pipe_-(314)	CIRCULAR	1.00	0.79	0.25	1.00
1	3.93					
	Pipe_-(319)	CIRCULAR	0.50	0.20	0.13	0.50
1	1.40					
	Pipe_-(32)	FORCE_MAIN	0.50	0.20	0.13	0.50
1	0.29					
	Pipe_-(320)	CIRCULAR	0.50	0.20	0.13	0.50
1	1.59					
	Pipe_-(321)	CIRCULAR	1.25	1.23	0.31	1.25
1	12.78					
	Pipe_-(322)	CIRCULAR	1.25	1.23	0.31	1.25
1	4.98					
	Pipe_-(323)	CIRCULAR	1.00	0.79	0.25	1.00
1	1.36					
	Pipe_-(327)	CIRCULAR	1.50	1.77	0.38	1.50
1	5.48					
	Pipe_-(328)	CIRCULAR	1.25	1.23	0.31	1.25
1	5.69					
	Pipe_-(329)	CIRCULAR	1.00	0.79	0.25	1.00
1	4.53					
	Pipe_-(33)	FORCE_MAIN	0.50	0.20	0.13	0.50
1	0.29					
	Pipe_-(331)	CIRCULAR	1.00	0.79	0.25	1.00
1	5.72					
	Pipe_-(333)	CIRCULAR	1.00	0.79	0.25	1.00
1	1.39					
	Pipe_-(334)	CIRCULAR	1.00	0.79	0.25	1.00
1	8.07					
	Pipe_-(337)	CIRCULAR	4.00	12.57	1.00	4.00
1	21.70					
	Pipe_-(338)	CIRCULAR	4.00	12.57	1.00	4.00
1	23.58					
	Pipe_-(34)	FORCE_MAIN	0.50	0.20	0.13	0.50
1	0.29					
	Pipe_-(340)	CIRCULAR	2.00	3.14	0.50	2.00
1	51.87					

1	Pipe_-(35)	CIRCULAR	3.50	9.62	0.88	3.50
	48.34					
1	Pipe_-(358)	CIRCULAR	1.50	1.77	0.38	1.50
	9.53					
1	Pipe_-(359)	CIRCULAR	1.50	1.77	0.38	1.50
	7.48					
1	Pipe_-(36)	CIRCULAR	3.50	9.62	0.88	3.50
	48.45					
1	Pipe_-(360)	CIRCULAR	1.50	1.77	0.38	1.50
	6.67					
1	Pipe_-(361)	CIRCULAR	0.67	0.35	0.17	0.67
	1.31					
1	Pipe_-(362)	CIRCULAR	0.67	0.35	0.17	0.67
	1.47					
1	Pipe_-(363)	CIRCULAR	0.67	0.35	0.17	0.67
	1.27					
1	Pipe_-(364)	CIRCULAR	1.00	0.79	0.25	1.00
	3.38					
1	Pipe_-(365)	CIRCULAR	1.00	0.79	0.25	1.00
	11.92					
1	Pipe_-(366)	CIRCULAR	3.50	9.62	0.88	3.50
	88.93					
1	Pipe_-(367)	CIRCULAR	3.50	9.62	0.88	3.50
	53.14					
1	Pipe_-(369)	CIRCULAR	0.67	0.35	0.17	0.67
	6.20					
1	Pipe_-(37)	CIRCULAR	3.50	9.62	0.88	3.50
	47.97					
1	Pipe_-(370)	CIRCULAR	3.00	7.07	0.75	3.00
	6.27					
1	Pipe_-(374)	CIRCULAR	1.00	0.79	0.25	1.00
	0.06					
1	Pipe_-(375)	CIRCULAR	1.00	0.79	0.25	1.00
	1.13					
1	Pipe_-(376)	CIRCULAR	1.33	1.40	0.33	1.33
	4.46					
1	Pipe_-(377)	CIRCULAR	1.50	1.77	0.38	1.50
	10.21					
1	Pipe_-(378)	CIRCULAR	1.50	1.77	0.38	1.50
	16.91					
1	Pipe_-(379)	CIRCULAR	1.50	1.77	0.38	1.50
	16.90					
1	Pipe_-(38)	CIRCULAR	3.50	9.62	0.88	3.50
	48.56					
1	Pipe_-(380)	CIRCULAR	1.00	0.79	0.25	1.00
	5.30					
1	Pipe_-(381)	CIRCULAR	1.50	1.77	0.38	1.50
	39.67					
1	Pipe_-(382)	CIRCULAR	0.67	0.35	0.17	0.67
	2.04					
1	Pipe_-(383)	CIRCULAR	0.67	0.35	0.17	0.67
	2.05					
1	Pipe_-(384)	CIRCULAR	1.00	0.79	0.25	1.00

1	4.94					
	Pipe_-(385)	CIRCULAR	0.67	0.35	0.17	0.67
1	1.72					
	Pipe_-(386)	CIRCULAR	0.67	0.35	0.17	0.67
1	2.04					
	Pipe_-(387)	CIRCULAR	0.67	0.35	0.17	0.67
1	2.22					
	Pipe_-(389)	CIRCULAR	0.67	0.35	0.17	0.67
1	6.33					
	Pipe_-(39)	CIRCULAR	3.50	9.62	0.88	3.50
1	149.88					
	Pipe_-(390)	CIRCULAR	1.50	1.77	0.38	1.50
1	6.15					
	Pipe_-(4)	CIRCULAR	2.00	3.14	0.50	2.00
1	10.93					
	Pipe_-(40)	CIRCULAR	3.50	9.62	0.88	3.50
1	34.45					
	Pipe_-(404)	CIRCULAR	1.00	0.79	0.25	1.00
1	7.57					
	Pipe_-(405)	CIRCULAR	1.00	0.79	0.25	1.00
1	2.49					
	Pipe_-(408)	FORCE_MAIN	2.50	4.91	0.63	2.50
1	61.15					
	Pipe_-(409)	FORCE_MAIN	2.50	4.91	0.63	2.50
1	41.96					
	Pipe_-(41)	CIRCULAR	3.50	9.62	0.88	3.50
1	56.89					
	Pipe_-(410)	FORCE_MAIN	2.50	4.91	0.63	2.50
1	42.44					
	Pipe_-(411)	FORCE_MAIN	2.50	4.91	0.63	2.50
1	42.16					
	Pipe_-(412)	FORCE_MAIN	2.50	4.91	0.63	2.50
1	35.55					
	Pipe_-(42)	CIRCULAR	3.50	9.62	0.88	3.50
1	48.34					
	Pipe_-(423)	FORCE_MAIN	1.50	1.77	0.38	1.50
1	11.24					
	Pipe_-(424)	FORCE_MAIN	1.50	1.77	0.38	1.50
1	11.10					
	Pipe_-(425)	FORCE_MAIN	1.50	1.77	0.38	1.50
1	11.22					
	Pipe_-(426)	FORCE_MAIN	1.50	1.77	0.38	1.50
1	11.20					
	Pipe_-(427)	FORCE_MAIN	1.50	1.77	0.38	1.50
1	11.00					
	Pipe_-(429)	CIRCULAR	1.50	1.77	0.38	1.50
1	2.81					
	Pipe_-(43)	CIRCULAR	3.50	9.62	0.88	3.50
1	50.01					
	Pipe_-(430)	CIRCULAR	1.50	1.77	0.38	1.50
1	2.99					
	Pipe_-(431)	CIRCULAR	1.50	1.77	0.38	1.50
1	4.80					

1	Pipe_-(432)	CIRCULAR	1.67	2.18	0.42	1.67
	6.52					
1	Pipe_-(433)	CIRCULAR	1.67	2.18	0.42	1.67
	4.79					
1	Pipe_-(434)	FORCE_MAIN	1.67	2.18	0.42	1.67
	13.75					
1	Pipe_-(435)	FORCE_MAIN	1.67	2.18	0.42	1.67
	13.50					
1	Pipe_-(436)	FORCE_MAIN	1.67	2.18	0.42	1.67
	15.14					
1	Pipe_-(437)	FORCE_MAIN	1.67	2.18	0.42	1.67
	13.48					
1	Pipe_-(438)	FORCE_MAIN	1.67	2.18	0.42	1.67
	13.75					
1	Pipe_-(439)	FORCE_MAIN	1.67	2.18	0.42	1.67
	304.16					
1	Pipe_-(44)	CIRCULAR	3.50	9.62	0.88	3.50
	49.46					
1	Pipe_-(443)	CIRCULAR	2.00	3.14	0.50	2.00
	46.32					
1	Pipe_-(444)	CIRCULAR	2.00	3.14	0.50	2.00
	16.38					
1	Pipe_-(445)	CIRCULAR	2.00	3.14	0.50	2.00
	17.03					
1	Pipe_-(446)	CIRCULAR	2.00	3.14	0.50	2.00
	17.63					
1	Pipe_-(447)	CIRCULAR	1.25	1.23	0.31	1.25
	5.78					
1	Pipe_-(448)	CIRCULAR	1.25	1.23	0.31	1.25
	5.93					
1	Pipe_-(449)	CIRCULAR	1.25	1.23	0.31	1.25
	5.95					
1	Pipe_-(45)	ARCH	3.33	14.23	1.00	5.42
	58.96					
1	Pipe_-(450)	CIRCULAR	3.00	7.07	0.75	3.00
	15.15					
1	Pipe_-(452)	CIRCULAR	1.50	1.77	0.38	1.50
	0.82					
1	Pipe_-(453)	CIRCULAR	1.50	1.77	0.38	1.50
	3.22					
1	Pipe_-(454)	CIRCULAR	1.50	1.77	0.38	1.50
	2.94					
1	Pipe_-(455)	CIRCULAR	1.50	1.77	0.38	1.50
	9.18					
1	Pipe_-(456)	CIRCULAR	1.50	1.77	0.38	1.50
	5.24					
1	Pipe_-(460)	CIRCULAR	0.50	0.20	0.13	0.50
	0.51					
1	Pipe_-(461)	CIRCULAR	3.00	7.07	0.75	3.00
	1.55					
1	Pipe_-(462)	CIRCULAR	3.00	7.07	0.75	3.00
	34.64					
1	Pipe_-(467)	CIRCULAR	4.00	12.57	1.00	4.00

1	41.18					
	Pipe_-(47)	ARCH	3.33	14.23	1.00	5.42
1	75.04					
	Pipe_-(474)	CIRCULAR	1.50	1.77	0.38	1.50
1	6.24					
	Pipe_-(49)	ARCH	3.33	14.23	1.00	5.42
1	53.10					
	Pipe_-(5)	CIRCULAR	2.00	3.14	0.50	2.00
1	10.93					
	Pipe_-(50)	ARCH	3.33	14.23	1.00	5.42
1	44.28					
	Pipe_-(51)	ARCH	3.33	14.23	1.00	5.42
1	8.01					
	Pipe_-(52)	ARCH	3.33	14.23	1.00	5.42
1	20.13					
	Pipe_-(53)	ARCH	3.33	14.23	1.00	5.42
1	53.62					
	Pipe_-(54)	CIRCULAR	1.50	1.77	0.38	1.50
1	5.08					
	Pipe_-(55)	CIRCULAR	1.50	1.77	0.38	1.50
1	4.99					
	Pipe_-(56)	CIRCULAR	1.50	1.77	0.38	1.50
1	5.10					
	Pipe_-(57)	CIRCULAR	1.50	1.77	0.38	1.50
1	5.09					
	Pipe_-(58)	CIRCULAR	1.50	1.77	0.38	1.50
1	5.19					
	Pipe_-(59)	CIRCULAR	1.50	1.77	0.38	1.50
1	5.07					
	Pipe_-(6)	CIRCULAR	2.00	3.14	0.50	2.00
1	11.00					
	Pipe_-(60)	CIRCULAR	1.50	1.77	0.38	1.50
1	5.08					
	Pipe_-(65)	CIRCULAR	1.50	1.77	0.38	1.50
1	5.09					
	Pipe_-(66)	CIRCULAR	1.50	1.77	0.38	1.50
1	16.29					
	Pipe_-(67)	CIRCULAR	1.50	1.77	0.38	1.50
1	5.07					
	Pipe_-(68)	CIRCULAR	1.50	1.77	0.38	1.50
1	5.10					
	Pipe_-(69)	CIRCULAR	1.50	1.77	0.38	1.50
1	5.09					
	Pipe_-(7)	CIRCULAR	2.50	4.91	0.63	2.50
1	17.26					
	Pipe_-(70)	CIRCULAR	1.50	1.77	0.38	1.50
1	5.09					
	Pipe_-(71)	CIRCULAR	1.50	1.77	0.38	1.50
1	5.09					
	Pipe_-(72)	CIRCULAR	1.50	1.77	0.38	1.50
1	5.09					
	Pipe_-(73)	CIRCULAR	1.25	1.23	0.31	1.25
1	3.13					

1	Pipe_-(74)	CIRCULAR	1.50	1.77	0.38	1.50
	4.98					
1	Pipe_-(75)	CIRCULAR	1.50	1.77	0.38	1.50
	5.12					
1	Pipe_-(76)	CIRCULAR	1.50	1.77	0.38	1.50
	5.09					
1	Pipe_-(77)	CIRCULAR	1.50	1.77	0.38	1.50
	5.09					
1	Pipe_-(78)	CIRCULAR	1.50	1.77	0.38	1.50
	5.09					
1	Pipe_-(79)	CIRCULAR	1.50	1.77	0.38	1.50
	5.09					
1	Pipe_-(8)	CIRCULAR	2.50	4.91	0.63	2.50
	17.15					
1	Pipe_-(80)	CIRCULAR	1.25	1.23	0.31	1.25
	3.13					
1	Pipe_-(81)	CIRCULAR	2.00	3.14	0.50	2.00
	43.38					
1	Pipe_-(82)	CIRCULAR	2.00	3.14	0.50	2.00
	14.65					
1	Pipe_-(83)	CIRCULAR	2.00	3.14	0.50	2.00
	15.17					
1	Pipe_-(84)	CIRCULAR	2.00	3.14	0.50	2.00
	14.04					
1	Pipe_-(85)	CIRCULAR	1.75	2.41	0.44	1.75
	6.31					
1	Pipe_-(87)	CIRCULAR	1.75	2.41	0.44	1.75
	25.68					
1	Pipe_-(88)	CIRCULAR	1.75	2.41	0.44	1.75
	11.92					
1	Pipe_-(89)	CIRCULAR	1.75	2.41	0.44	1.75
	10.87					
1	Pipe_-(9)	CIRCULAR	2.50	4.91	0.63	2.50
	6.61					
1	Pipe_-(90)	CIRCULAR	1.75	2.41	0.44	1.75
	5.60					
1	Pipe_-(91)	CIRCULAR	1.50	1.77	0.38	1.50
	3.06					
1	Pipe_-(92)	CIRCULAR	1.50	1.77	0.38	1.50
	6.19					
1	Pipe_-(93)	CIRCULAR	1.50	1.77	0.38	1.50
	6.28					
1	Pipe_-(94)	CIRCULAR	1.50	1.77	0.38	1.50
	6.25					
1	Pipe_-(95)	CIRCULAR	1.50	1.77	0.38	1.50
	6.27					
1	Pipe_-(96)	CIRCULAR	1.50	1.77	0.38	1.50
	6.21					
1	Pipe_-(97)	CIRCULAR	1.50	1.77	0.38	1.50
	6.25					
1	Pipe_PS_A	CIRCULAR	1.50	1.77	0.38	1.50
	88.87					
	Pipe_PS_B	CIRCULAR	2.50	4.91	0.63	2.50

1	3.94					
	Pipe468	CIRCULAR	2.00	3.14	0.50	2.00
1	6.25					
	Pipe483	CIRCULAR	1.00	0.79	0.25	1.00
1	3.86					
	PSC_Overflow	CIRCULAR	1.17	1.07	0.29	1.17
1	8.12					
	PSC_to_Outfall	FORCE_MAIN	1.67	2.18	0.42	1.67
1	25.78					
	Roadside_Culvert	CIRCULAR	2.00	3.14	0.50	2.00
1	17.14					
	SU1-2_Force1	FORCE_MAIN	0.99	0.77	0.25	0.99
1	0.06					
	SU1-2_Force2_1	FORCE_MAIN	0.99	0.77	0.25	0.99
1	3.57					
	SU1-2_Force2_2	FORCE_MAIN	0.99	0.77	0.25	0.99
1	3.57					
	SU1-2_Force3	FORCE_MAIN	0.99	0.77	0.25	0.99
1	6.82					
	SU1-2_SouthDitch	TRAPEZOIDAL	4.00	64.00	2.47	24.00
1	718.35					
	SU67-FM1	FORCE_MAIN	1.25	1.22	0.31	1.25
1	3.82					
	SU67-FM2	FORCE_MAIN	1.25	1.22	0.31	1.25
1	4.12					
	SU67-FM3	FORCE_MAIN	1.25	1.22	0.31	1.25
1	3.29					
	SU67-FM4	FORCE_MAIN	1.25	1.22	0.31	1.25
1	11.08					
	SU67-FM5	FORCE_MAIN	1.25	1.22	0.31	1.25
1	5.85					
	SU67-FM6	FORCE_MAIN	1.25	1.22	0.31	1.25
1	5.88					
	SU67-FM7	FORCE_MAIN	1.25	1.22	0.31	1.25
1	8.40					
	SU6-E	TRAPEZOIDAL	2.00	28.00	1.35	20.00
1	101.72					
	SU6-SU7_1	CIRCULAR	2.00	3.14	0.50	2.00
1	17.33					
	SU6-SU7_2	CIRCULAR	2.00	3.14	0.50	2.00
1	19.28					
	SU6-W	TRAPEZOIDAL	2.00	28.00	1.35	20.00
1	101.72					
	SU7-Culvert	CIRCULAR	2.00	3.14	0.50	2.00
1	17.33					
	SU7-W	TRAPEZOIDAL	2.00	60.00	1.68	35.00
1	251.62					
	UDitch_Single	TRAPEZOIDAL	5.00	825.00	4.54	180.00
1	3674.26					
	UDitch_Transition	TRAPEZOIDAL	14.00	938.00	8.26	109.00
1	22785.16					

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 NOTE: The summary statistics displayed in this report are based on results found at every computational time step, not just on results from each reporting time step.  
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 Analysis Options  
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Flow Units ..... CFS  
 Process Models:  
 Rainfall/Runoff ..... YES  
 RDII ..... NO  
 Snowmelt ..... NO  
 Groundwater ..... NO  
 Flow Routing ..... YES  
 Ponding Allowed ..... YES  
 Water Quality ..... NO  
 Infiltration Method ..... HORTON  
 Flow Routing Method ..... DYNWAVE  
 Surcharge Method ..... EXTRAN  
 Starting Date ..... 01/05/2002 12:00:00  
 Ending Date ..... 01/07/2002 12:00:00  
 Antecedent Dry Days ..... 0.0  
 Report Time Step ..... 00:01:00  
 Wet Time Step ..... 00:05:00  
 Dry Time Step ..... 00:05:00  
 Routing Time Step ..... 1.00 sec  
 Variable Time Step ..... YES  
 Maximum Trials ..... 8  
 Number of Threads ..... 2  
 Head Tolerance ..... 0.005000 ft

*****	Volume	Depth
Runoff Quantity Continuity	acre-feet	inches
*****	-----	-----
Total Precipitation .....	0.000	0.000
Evaporation Loss .....	0.000	0.000
Infiltration Loss .....	0.000	0.000
Surface Runoff .....	0.000	0.000
Final Storage .....	0.000	0.000
Continuity Error (%) .....	0.000	

*****	Volume	Volume
Flow Routing Continuity	acre-feet	10^6 gal
*****	-----	-----
Dry Weather Inflow .....	0.000	0.000
Wet Weather Inflow .....	0.000	0.000
Groundwater Inflow .....	0.000	0.000
RDII Inflow .....	0.000	0.000



External Inflow .....	29.237	9.527
External Outflow .....	24.711	8.053
Flooding Loss .....	0.000	0.000
Evaporation Loss .....	0.000	0.000
Exfiltration Loss .....	0.000	0.000
Initial Stored Volume ....	6.074	1.979
Final Stored Volume .....	10.257	3.343
Continuity Error (%) .....	0.969	

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Highest Continuity Errors

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Node Structure\_-(481) (33.10%)  
Node Structure\_-(453) (26.25%)  
Node Ditch4\_Out (13.71%)  
Node Structure\_-(458) (9.49%)  
Node Structure\_-(483) (7.22%)

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Time-Step Critical Elements

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Link 381\_to\_PS77 (36.31%)  
Link Pipe\_-(412) (12.42%)  
Link 469\_to\_Inlet (8.40%)  
Link 172\_to\_Inlet (1.56%)  
Link 458\_to\_Inlet (1.02%)

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Highest Flow Instability Indexes

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Link 469\_to\_Inlet (57)  
Link Pipe\_-(206) (51)  
Link Pipe\_-(247) (49)  
Link Pipe\_-(237) (47)  
Link Pipe\_-(196) (47)

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Routing Time Step Summary

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Minimum Time Step	:	0.21 sec
Average Time Step	:	0.70 sec
Maximum Time Step	:	1.00 sec
Percent in Steady State	:	-0.00
Average Iterations per Step	:	4.92
Percent Not Converging	:	29.86
Time Step Frequencies	:	
1.000 - 0.871 sec	:	39.65 %
0.871 - 0.758 sec	:	0.04 %
0.758 - 0.660 sec	:	0.03 %

0.660 - 0.574 sec : 0.03 %  
 0.574 - 0.500 sec : 60.25 %

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 Subcatchment Runoff Summary  
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Perv	Total	Total	Total	Total	Total	Total	Imperv
Runoff	Runoff	Total	Peak	Runoff	Evap	Infil	Runoff
Subcatchment	in	Precip	Runoff	Runoff	in	in	in
in	in	in	in	Coeff	in	in	in
		10^6 gal	CFS				
2.1		0.00	0.00		0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.000			
2.2		0.00	0.00		0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.000			
2.3		0.00	0.00		0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.000			
2.4		0.00	0.00		0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.000			
3		0.00	0.00		0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.000			
5		0.00	0.00		0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.000			
A		0.00	0.00		0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.000			
B		0.00	0.00		0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.000			
C		0.00	0.00		0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.000			
D		0.00	0.00		0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.000			
E		0.00	0.00		0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.000			
F		0.00	0.00		0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.000			
G		0.00	0.00		0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.000			
H		0.00	0.00		0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.000			

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 Node Depth Summary  
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Reported		Average	Maximum	Maximum	Time of Max	
Depth		Depth	Depth	HGL	Occurrence	Max
Node	Type	Feet	Feet	Feet	days hr:min	
Feet						
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---						
CB19	JUNCTION	0.14	1.51	8.13	1 04:00	
1.50						
CB22	JUNCTION	0.19	1.17	7.19	1 04:00	
1.16						
CB30	JUNCTION	0.29	0.66	7.83	1 04:00	
0.66						
CB31	JUNCTION	0.15	1.03	8.43	1 04:00	
1.03						
CB33	JUNCTION	0.06	0.34	7.52	1 04:00	
0.34						
Culvert_Ditch11	JUNCTION	0.31	1.46	4.17	1 05:40	
1.46						
Culvert_Ditch12	JUNCTION	0.32	1.52	4.17	1 05:39	
1.52						
Culvert_Ditch12a	JUNCTION	0.34	1.56	4.17	1 05:40	
1.56						
Culvert_Ditch12b	JUNCTION	0.34	1.57	4.17	1 05:40	
1.57						
Culvert_Ditch12c	JUNCTION	1.20	3.67	4.17	1 05:39	
3.67						
Ditch1_2	JUNCTION	0.00	0.00	9.00	0 00:00	
0.00						
Ditch11_12	JUNCTION	0.36	1.51	4.17	1 05:39	
1.51						
Ditch12_18	JUNCTION	1.18	3.67	4.17	1 05:40	
3.67						
Ditch14_15	JUNCTION	0.59	1.33	5.45	1 04:15	
1.33						
Ditch15_16	JUNCTION	0.56	1.13	4.25	1 04:17	
1.13						
Ditch16_17	JUNCTION	0.06	0.59	2.77	1 04:16	
0.59						
Ditch17_5_6	JUNCTION	0.30	1.52	2.76	1 04:16	
1.52						
Ditch2_3	JUNCTION	0.04	0.21	8.46	1 05:29	
0.21						
Ditch3_Out	JUNCTION	0.06	0.46	8.46	1 05:32	
0.46						
Ditch4_In	JUNCTION	0.05	0.26	9.26	1 04:01	
0.26						

Ditch4_Out	JUNCTION	2.44	5.46	8.46	1	05:28
5.46						
Ditch5_Inlet	JUNCTION	0.14	1.01	3.26	1	04:08
1.01						
Ditch6_7	JUNCTION	0.26	1.36	2.60	1	04:18
1.36						
Ditch7_8	JUNCTION	0.59	2.02	-0.30	1	04:17
2.02						
Ditch9_10_11	JUNCTION	0.29	1.18	4.18	1	05:38
1.18						
Ditch9_Inlet	JUNCTION	0.07	0.37	10.82	1	04:05
0.37						
Facility77_PS	JUNCTION	16.22	46.39	54.69	1	06:45
46.39						
PS004	JUNCTION	3.22	6.17	4.17	1	05:40
6.17						
PSC_Outlet	JUNCTION	15.46	49.90	61.40	1	12:46
49.90						
Roadside_Connection	JUNCTION	0.18	0.96	4.18	1	05:38
0.96						
SDCB294	JUNCTION	0.35	2.12	4.65	1	04:02
2.11						
SDCB541	JUNCTION	0.84	1.89	7.20	1	04:00
1.89						
SDCB543	JUNCTION	0.23	0.70	7.81	1	04:00
0.69						
SDCB6003	JUNCTION	0.29	1.86	4.79	1	04:01
1.85						
SDCB6005	JUNCTION	2.62	3.12	8.87	1	04:00
3.12						
SDMH297	JUNCTION	0.36	1.94	4.42	1	03:57
1.93						
SDMH299	JUNCTION	0.35	1.92	4.42	1	03:57
1.91						
SDMH301	JUNCTION	0.35	1.94	4.24	1	03:57
1.94						
SDMH538	JUNCTION	1.02	1.46	6.34	1	04:00
1.46						
SDMH539	JUNCTION	0.94	2.11	5.64	1	04:00
2.10						
SDMH540	JUNCTION	0.76	1.96	5.74	1	04:00
1.96						
Structure_-_ (1)	JUNCTION	0.21	5.00	12.42	1	03:54
4.68						
Structure_-_ (10)	JUNCTION	1.31	5.13	9.87	1	04:03
5.04						
Structure_-_ (100)	JUNCTION	0.05	0.29	10.91	1	04:00
0.29						
Structure_-_ (101)	JUNCTION	0.04	0.25	10.92	1	04:00
0.25						
Structure_-_ (102)	JUNCTION	0.05	0.25	10.75	1	04:00
0.25						
Structure_-_ (123)	JUNCTION	0.20	1.97	9.43	1	04:03

1.95	Structure_-(124)	JUNCTION	0.17	1.76	9.46	1	04:03
1.74	Structure_-(125)	JUNCTION	0.08	0.43	10.25	1	04:01
0.43	Structure_-(126)	JUNCTION	0.08	0.45	10.57	1	04:01
0.45	Structure_-(128)	JUNCTION	0.06	0.30	11.44	1	04:01
0.30	Structure_-(129)	JUNCTION	0.04	0.23	13.04	1	04:00
0.23	Structure_-(130)	JUNCTION	0.08	0.42	11.03	1	04:00
0.42	Structure_-(131)	JUNCTION	0.05	0.26	11.39	1	04:00
0.26	Structure_-(132)	JUNCTION	0.04	0.19	12.12	1	04:00
0.19	Structure_-(133)	JUNCTION	0.07	0.39	11.01	1	04:00
0.39	Structure_-(134)	JUNCTION	0.27	0.48	11.78	1	04:00
0.48	Structure_-(136)	JUNCTION	0.81	1.06	12.89	1	04:00
1.06	Structure_-(139)	JUNCTION	1.57	5.13	9.25	1	04:03
5.07	Structure_-(140)	JUNCTION	1.51	5.10	9.32	1	04:02
5.04	Structure_-(141)	JUNCTION	2.08	5.76	9.36	1	04:02
5.70	Structure_-(142)	JUNCTION	0.88	3.95	9.40	1	04:02
3.90	Structure_-(143)	JUNCTION	0.50	3.04	9.44	1	04:03
2.96	Structure_-(144)	JUNCTION	0.37	2.66	9.42	1	04:02
2.60	Structure_-(161)	JUNCTION	0.80	5.00	11.13	1	18:33
2.96	Structure_-(162)	JUNCTION	1.14	5.00	10.25	1	18:32
3.87	Structure_-(163)	JUNCTION	1.38	5.00	9.62	1	18:31
4.45	Structure_-(164)	JUNCTION	1.64	5.06	9.09	1	04:05
5.05	Structure_-(165)	JUNCTION	1.83	5.36	9.07	1	04:04
5.35	Structure_-(166)	JUNCTION	2.04	5.70	9.06	1	04:04
5.67	Structure_-(167)	JUNCTION	2.45	6.24	9.03	1	04:04
6.23	Structure_-(168)	JUNCTION	2.91	6.84	8.99	1	04:03
6.83	Structure_-(169)	JUNCTION	3.40	7.40	8.98	1	04:03
7.34							

Structure_-(170)	JUNCTION	3.56	7.60	9.00	1	04:03
7.56						
Structure_-(171)	JUNCTION	5.91	10.57	9.00	1	04:03
10.49						
Structure_-(172)	JUNCTION	7.10	12.40	9.40	1	18:26
11.94						
Structure_-(173)	JUNCTION	4.26	8.48	9.03	1	04:03
8.37						
Structure_-(174)	JUNCTION	3.80	7.92	9.02	1	04:03
7.83						
Structure_-(175)	JUNCTION	3.57	7.67	9.03	1	04:03
7.57						
Structure_-(176)	JUNCTION	2.68	6.60	9.05	1	04:03
6.53						
Structure_-(177)	JUNCTION	2.04	5.75	9.10	1	04:03
5.64						
Structure_-(178)	JUNCTION	1.46	4.77	9.11	1	04:03
4.66						
Structure_-(179)	JUNCTION	1.01	3.91	9.15	1	04:03
3.79						
Structure_-(180)	JUNCTION	1.67	4.57	9.16	1	04:03
4.47						
Structure_-(181)	JUNCTION	0.65	3.33	9.46	1	03:46
2.94						
Structure_-(19)	JUNCTION	1.07	4.82	9.87	1	04:02
4.73						
Structure_-(2)	JUNCTION	0.26	5.25	12.56	1	03:54
4.71						
Structure_-(20)	JUNCTION	0.76	4.88	10.65	1	03:54
4.74						
Structure_-(205)	JUNCTION	3.54	7.63	9.03	1	04:03
7.54						
Structure_-(206)	JUNCTION	3.38	7.41	9.00	1	04:03
7.40						
Structure_-(207)	JUNCTION	2.92	6.87	9.02	1	04:04
6.87						
Structure_-(208)	JUNCTION	2.45	6.27	9.06	1	04:04
6.23						
Structure_-(209)	JUNCTION	2.04	5.72	9.07	1	04:04
5.71						
Structure_-(21)	JUNCTION	0.61	4.61	10.77	1	03:54
4.47						
Structure_-(210)	JUNCTION	1.86	5.45	9.10	1	04:05
5.44						
Structure_-(211)	JUNCTION	1.64	5.08	9.12	1	04:05
5.07						
Structure_-(212)	JUNCTION	1.38	5.00	9.62	1	18:30
4.50						
Structure_-(213)	JUNCTION	1.14	5.00	10.25	1	18:32
3.85						
Structure_-(214)	JUNCTION	0.80	5.00	11.13	1	18:35
3.00						
Structure_-(215)	JUNCTION	3.94	8.09	9.02	1	04:03

8.02							
Structure_-(216)	JUNCTION	3.78	7.87	8.99	1	04:03	
7.82							
Structure_-(217)	JUNCTION	3.12	7.07	8.99	1	04:03	
7.07							
Structure_-(218)	JUNCTION	2.72	6.62	9.02	1	04:04	
6.61							
Structure_-(219)	JUNCTION	2.02	5.61	9.04	1	04:04	
5.59							
Structure_-(220)	JUNCTION	1.71	5.15	9.06	1	04:04	
5.15							
Structure_-(221)	JUNCTION	1.43	4.77	9.19	1	04:06	
4.63							
Structure_-(222)	JUNCTION	1.18	4.59	9.55	1	04:05	
4.13							
Structure_-(223)	JUNCTION	0.93	4.08	9.54	1	04:05	
3.59							
Structure_-(23)	JUNCTION	7.95	15.26	29.74	1	10:41	
15.26							
Structure_-(230)	JUNCTION	4.85	9.25	8.99	1	04:03	
9.16							
Structure_-(231)	JUNCTION	4.19	8.46	9.01	1	04:03	
8.37							
Structure_-(232)	JUNCTION	3.54	7.62	8.98	1	04:03	
7.59							
Structure_-(233)	JUNCTION	3.82	7.93	8.99	1	04:04	
7.93							
Structure_-(234)	JUNCTION	2.92	6.87	9.02	1	04:04	
6.84							
Structure_-(235)	JUNCTION	2.45	6.25	9.05	1	04:04	
6.24							
Structure_-(236)	JUNCTION	2.04	5.72	9.07	1	04:04	
5.72							
Structure_-(237)	JUNCTION	1.83	5.38	9.08	1	04:05	
5.37							
Structure_-(238)	JUNCTION	1.64	5.08	9.11	1	04:05	
5.06							
Structure_-(239)	JUNCTION	1.37	5.00	9.62	1	04:06	
4.46							
Structure_-(24)	JUNCTION	3.36	7.33	21.80	1	19:39	
7.33							
Structure_-(240)	JUNCTION	1.10	4.53	9.88	1	04:06	
3.77							
Structure_-(241)	JUNCTION	0.80	4.56	10.69	1	04:06	
2.96							
Structure_-(242)	JUNCTION	1.72	2.26	5.46	1	04:15	
2.26							
Structure_-(243)	JUNCTION	1.23	1.84	5.60	1	03:42	
1.81							
Structure_-(244)	JUNCTION	0.43	0.86	5.54	1	04:09	
0.86							
Structure_-(245)	JUNCTION	0.22	0.63	5.58	1	04:06	
0.63							

Structure_-(246)	JUNCTION	3.56	7.62	9.00	1	04:03
7.56						
Structure_-(247)	JUNCTION	3.39	7.39	8.97	1	04:03
7.38						
Structure_-(248)	JUNCTION	2.92	6.84	8.99	1	04:03
6.84						
Structure_-(249)	JUNCTION	2.45	6.23	9.02	1	04:04
6.21						
Structure_-(25)	JUNCTION	3.27	7.19	21.59	1	19:51
7.19						
Structure_-(250)	JUNCTION	2.04	5.70	9.05	1	04:04
5.69						
Structure_-(251)	JUNCTION	1.83	5.36	9.06	1	04:05
5.35						
Structure_-(252)	JUNCTION	1.64	5.05	9.08	1	04:05
5.04						
Structure_-(253)	JUNCTION	1.39	5.00	9.59	1	18:32
4.76						
Structure_-(254)	JUNCTION	1.14	5.00	10.25	1	18:32
4.33						
Structure_-(255)	JUNCTION	0.80	5.00	11.13	1	18:32
3.74						
Structure_-(256)	JUNCTION	3.94	8.05	8.98	1	04:03
8.02						
Structure_-(257)	JUNCTION	3.78	7.86	8.97	1	04:03
7.82						
Structure_-(258)	JUNCTION	3.11	7.09	9.00	1	04:03
7.09						
Structure_-(259)	JUNCTION	2.73	6.63	9.03	1	04:04
6.62						
Structure_-(26)	JUNCTION	2.97	6.72	20.80	1	20:31
6.72						
Structure_-(260)	JUNCTION	2.03	5.66	9.08	1	04:04
5.64						
Structure_-(261)	JUNCTION	1.72	5.22	9.13	1	04:04
5.21						
Structure_-(262)	JUNCTION	1.44	4.77	9.19	1	04:05
4.72						
Structure_-(263)	JUNCTION	1.19	4.24	9.20	1	04:05
4.19						
Structure_-(264)	JUNCTION	0.95	3.76	9.22	1	04:04
3.73						
Structure_-(265)	JUNCTION	0.75	3.16	9.29	1	04:04
3.10						
Structure_-(266)	JUNCTION	0.38	2.62	9.41	1	04:04
2.54						
Structure_-(267)	JUNCTION	0.40	2.63	9.42	1	04:04
2.58						
Structure_-(268)	JUNCTION	0.23	2.15	9.43	1	04:04
2.11						
Structure_-(269)	JUNCTION	0.17	1.98	9.47	1	04:04
1.94						
Structure_-(27)	JUNCTION	2.30	5.58	18.76	1	22:02



5.58	Structure_-(270)	JUNCTION	0.18	1.99	9.41	1	04:04
1.95	Structure_-(273)	JUNCTION	0.08	0.34	11.47	1	04:01
0.34	Structure_-(274)	JUNCTION	0.07	0.37	11.00	1	04:00
0.37	Structure_-(275)	JUNCTION	0.07	0.36	10.81	1	04:01
0.36	Structure_-(276)	JUNCTION	0.08	0.50	9.77	1	04:04
0.50	Structure_-(277)	JUNCTION	0.12	1.39	9.78	1	04:04
1.38	Structure_-(278)	JUNCTION	0.15	2.18	9.84	1	04:03
2.11	Structure_-(28)	JUNCTION	2.22	5.44	18.50	1	22:13
5.44	Structure_-(287)	JUNCTION	1.47	1.94	12.39	1	04:00
1.94	Structure_-(288)	JUNCTION	0.80	1.17	12.40	1	04:00
1.17	Structure_-(29)	JUNCTION	2.17	5.35	18.34	1	22:19
5.35	Structure_-(298)	JUNCTION	0.48	0.70	11.13	1	04:00
0.70	Structure_-(3)	JUNCTION	0.37	5.08	12.03	1	03:54
4.68	Structure_-(30)	JUNCTION	2.00	4.99	17.69	1	22:36
4.99	Structure_-(305)	JUNCTION	1.50	1.89	12.57	1	04:00
1.89	Structure_-(306)	JUNCTION	0.59	0.85	12.58	1	04:00
0.85	Structure_-(31)	JUNCTION	1.56	4.04	15.97	1	23:15
4.04	Structure_-(319)	JUNCTION	0.22	1.75	8.06	1	04:00
1.74	Structure_-(32)	JUNCTION	1.35	3.55	15.09	1	23:33
3.55	Structure_-(320)	JUNCTION	0.25	1.61	7.77	1	04:00
1.60	Structure_-(325)	JUNCTION	1.02	2.77	8.25	1	04:00
2.75	Structure_-(326)	JUNCTION	0.09	1.09	8.55	1	03:59
1.08	Structure_-(33)	JUNCTION	1.26	3.31	14.65	1	23:40
3.31	Structure_-(331)	JUNCTION	0.87	5.14	13.19	1	04:03
5.14	Structure_-(332)	JUNCTION	0.98	4.46	12.52	1	03:59
4.46	Structure_-(333)	JUNCTION	0.69	1.07	7.79	1	04:00
1.07							

Structure_-(34)	JUNCTION	0.89	2.33	12.91	1	23:57
2.33						
Structure_-(341)	JUNCTION	1.91	2.52	8.96	1	04:00
2.52						
Structure_-(35)	JUNCTION	0.34	0.72	10.00	2	00:00
0.72						
Structure_-(37)	JUNCTION	0.22	1.04	9.85	1	04:05
1.04						
Structure_-(370)	JUNCTION	0.05	0.83	9.06	1	03:45
0.75						
Structure_-(371)	JUNCTION	0.04	0.54	8.95	1	04:07
0.53						
Structure_-(372)	JUNCTION	0.04	0.19	10.67	1	04:00
0.19						
Structure_-(373)	JUNCTION	0.03	1.00	9.15	1	03:45
0.82						
Structure_-(374)	JUNCTION	0.04	0.20	9.14	1	04:00
0.20						
Structure_-(375)	JUNCTION	0.05	0.29	8.93	1	04:00
0.29						
Structure_-(376)	JUNCTION	0.06	0.40	8.80	1	04:04
0.40						
Structure_-(377)	JUNCTION	0.08	0.67	8.77	1	04:06
0.66						
Structure_-(378)	JUNCTION	0.10	1.09	8.82	1	04:36
1.03						
Structure_-(379)	JUNCTION	3.02	8.37	10.68	1	18:26
6.43						
Structure_-(38)	JUNCTION	0.24	1.28	9.80	1	04:04
1.28						
Structure_-(380)	JUNCTION	2.36	8.70	11.83	1	18:26
5.68						
Structure_-(381)	JUNCTION	2.47	6.20	9.15	1	18:26
5.98						
Structure_-(389)	JUNCTION	0.00	0.00	11.23	0	00:00
0.00						
Structure_-(39)	JUNCTION	0.24	1.38	9.79	1	04:03
1.36						
Structure_-(390)	JUNCTION	0.00	0.00	11.23	0	00:00
0.00						
Structure_-(391)	JUNCTION	0.04	0.21	10.96	1	04:00
0.21						
Structure_-(392)	JUNCTION	0.39	1.73	8.47	1	04:51
1.73						
Structure_-(393)	JUNCTION	0.96	2.67	8.47	1	04:51
2.67						
Structure_-(394)	JUNCTION	1.85	4.45	8.50	1	05:29
4.43						
Structure_-(395)	JUNCTION	3.05	6.20	8.49	1	05:27
6.19						
Structure_-(396)	JUNCTION	0.04	0.22	11.84	1	04:00
0.22						
Structure_-(397)	JUNCTION	0.02	0.09	8.89	1	04:00

0.09							
	Structure_-(398)	JUNCTION	0.40	1.82	8.52	1	04:51
1.80							
	Structure_-(399)	JUNCTION	0.18	1.14	8.52	1	04:51
1.12							
	Structure_-(4)	JUNCTION	0.46	6.17	12.86	1	03:54
4.61							
	Structure_-(40)	JUNCTION	0.16	1.52	9.75	1	04:04
1.52							
	Structure_-(400)	JUNCTION	0.09	0.58	8.48	1	04:51
0.57							
	Structure_-(401)	JUNCTION	0.06	0.31	10.01	1	04:00
0.31							
	Structure_-(404)	JUNCTION	0.04	0.23	11.27	1	04:00
0.23							
	Structure_-(405)	JUNCTION	0.03	0.15	11.99	1	04:00
0.15							
	Structure_-(407)	JUNCTION	0.02	0.09	8.89	1	04:00
0.09							
	Structure_-(408)	JUNCTION	0.16	0.84	10.31	1	04:03
0.84							
	Structure_-(41)	JUNCTION	0.75	3.90	9.95	1	04:00
3.76							
	Structure_-(42)	JUNCTION	0.77	3.87	9.87	1	04:00
3.80							
	Structure_-(426)	JUNCTION	0.56	2.26	8.62	1	04:39
2.24							
	Structure_-(427)	JUNCTION	1.74	3.39	8.61	1	04:39
3.38							
	Structure_-(43)	JUNCTION	0.98	4.34	9.80	1	04:03
4.27							
	Structure_-(431)	JUNCTION	0.63	1.89	-3.48	1	05:52
1.89							
	Structure_-(432)	JUNCTION	0.52	1.58	-3.45	1	05:53
1.58							
	Structure_-(433)	JUNCTION	0.48	1.33	-3.38	1	05:53
1.33							
	Structure_-(434)	JUNCTION	0.37	1.00	-2.55	1	12:44
1.00							
	Structure_-(435)	JUNCTION	0.40	1.07	-2.47	1	12:46
1.07							
	Structure_-(44)	JUNCTION	1.07	4.55	9.77	1	04:02
4.47							
	Structure_-(446)	JUNCTION	7.16	17.88	27.85	1	09:01
17.88							
	Structure_-(447)	JUNCTION	7.11	16.66	26.26	1	09:06
16.66							
	Structure_-(448)	JUNCTION	7.03	15.53	24.82	1	09:12
15.53							
	Structure_-(449)	JUNCTION	7.26	10.90	18.20	1	09:42
10.90							
	Structure_-(45)	JUNCTION	1.09	4.59	9.77	1	04:02
4.50							

Structure_-(450)	JUNCTION	7.09	8.65	15.35	1	10:28
8.65						
Structure_-(451)	JUNCTION	7.14	9.25	15.75	0	00:00
8.31						
Structure_-(453)	JUNCTION	1.94	5.01	8.96	1	04:04
4.99						
Structure_-(454)	JUNCTION	1.94	5.02	8.96	1	03:41
5.00						
Structure_-(455)	JUNCTION	1.95	5.01	8.94	1	04:04
5.01						
Structure_-(456)	JUNCTION	2.10	5.22	8.95	1	04:03
5.18						
Structure_-(457)	JUNCTION	2.18	5.33	8.96	1	04:03
5.28						
Structure_-(458)	JUNCTION	2.37	5.59	8.99	1	18:26
5.54						
Structure_-(459)	JUNCTION	12.21	27.71	34.38	1	08:44
27.71						
Structure_-(46)	JUNCTION	1.09	4.63	9.74	1	04:03
4.57						
Structure_-(460)	JUNCTION	12.12	27.28	33.91	1	08:45
27.28						
Structure_-(461)	JUNCTION	12.36	26.56	32.59	1	08:48
26.56						
Structure_-(462)	JUNCTION	12.33	26.04	31.92	1	08:50
26.04						
Structure_-(463)	JUNCTION	13.11	24.18	28.31	1	09:00
24.18						
Structure_-(469)	JUNCTION	1.89	5.60	9.10	1	18:26
5.44						
Structure_-(47)	JUNCTION	1.32	5.04	9.69	1	04:02
4.95						
Structure_-(470)	JUNCTION	0.26	1.88	8.98	1	04:03
1.79						
Structure_-(471)	JUNCTION	0.22	1.76	9.04	1	04:05
1.64						
Structure_-(472)	JUNCTION	0.18	1.64	9.05	1	04:05
1.52						
Structure_-(473)	JUNCTION	0.15	1.56	9.05	1	04:05
1.43						
Structure_-(475)	JUNCTION	2.40	5.88	8.96	1	18:26
5.55						
Structure_-(476)	JUNCTION	2.47	5.90	8.87	1	18:26
5.68						
Structure_-(477)	JUNCTION	2.72	6.07	8.72	1	18:26
5.98						
Structure_-(478)	JUNCTION	3.01	6.75	9.07	1	18:26
6.30						
Structure_-(481)	JUNCTION	1.92	5.06	9.06	1	03:45
4.98						
Structure_-(482)	JUNCTION	1.88	5.02	9.07	1	03:45
4.90						
Structure_-(483)	JUNCTION	1.86	5.01	9.11	1	03:45

4.87	Structure_-(484)	JUNCTION	1.78	5.00	9.22	1	03:44
4.74	Structure_-(485)	JUNCTION	1.77	5.02	9.27	1	03:44
4.72	Structure_-(487)	JUNCTION	2.62	6.24	9.02	1	18:26
5.87	Structure_-(489)	JUNCTION	2.64	5.72	8.46	1	05:27
5.72	Structure_-(490)	JUNCTION	0.80	1.20	12.43	1	04:00
1.20	Structure_-(495)	JUNCTION	0.09	0.56	10.60	1	04:00
0.56	Structure_-(5)	JUNCTION	0.57	6.02	12.39	1	03:54
4.70	Structure_-(50)	JUNCTION	1.56	5.41	9.61	1	04:02
5.33	Structure_-(502)	JUNCTION	0.02	0.43	8.89	1	04:31
0.42	Structure_-(503)	JUNCTION	1.32	5.13	9.84	1	04:02
5.06	Structure_-(51)	JUNCTION	1.74	5.59	9.53	1	04:02
5.51	Structure_-(52)	JUNCTION	1.94	5.70	9.42	1	04:03
5.63	Structure_-(53)	JUNCTION	1.94	5.52	9.23	1	04:03
5.47	Structure_-(54)	JUNCTION	1.71	5.31	9.24	1	18:26
5.16	Structure_-(56)	JUNCTION	0.18	0.80	9.88	1	04:05
0.80	Structure_-(57)	JUNCTION	0.14	0.80	10.09	1	04:06
0.80	Structure_-(58)	JUNCTION	0.13	0.77	10.16	1	04:06
0.77	Structure_-(59)	JUNCTION	0.12	0.69	10.39	1	04:01
0.69	Structure_-(6)	JUNCTION	0.83	5.02	10.72	1	03:54
4.90	Structure_-(60)	JUNCTION	0.11	0.65	10.47	1	04:01
0.65	Structure_-(61)	JUNCTION	0.10	0.59	10.51	1	04:01
0.59	Structure_-(62)	JUNCTION	0.09	0.52	10.54	1	04:00
0.52	Structure_-(63)	JUNCTION	0.07	0.36	10.63	1	04:00
0.36	Structure_-(7)	JUNCTION	0.97	5.08	10.43	1	03:54
4.98	Structure_-(70)	JUNCTION	0.18	1.01	9.90	1	04:05
1.01	Structure_-(71)	JUNCTION	0.08	0.45	10.45	1	04:01
0.43							

Structure_-(72)	JUNCTION	0.13	0.68	10.74	1	04:02
0.68						
Structure_-(73)	JUNCTION	0.12	0.70	11.03	1	04:02
0.70						
Structure_-(74)	JUNCTION	0.11	0.65	11.22	1	04:01
0.65						
Structure_-(75)	JUNCTION	0.10	0.57	11.38	1	04:01
0.57						
Structure_-(76)	JUNCTION	0.09	0.49	11.54	1	04:01
0.49						
Structure_-(77)	JUNCTION	0.07	0.39	11.68	1	04:00
0.39						
Structure_-(78)	JUNCTION	0.06	0.30	11.83	1	04:00
0.30						
Structure_-(79)	JUNCTION	0.14	1.12	9.84	1	04:04
1.11						
Structure_-(8)	JUNCTION	1.09	5.16	10.26	1	03:54
5.08						
Structure_-(80)	JUNCTION	0.12	0.89	9.90	1	04:05
0.89						
Structure_-(81)	JUNCTION	0.11	0.71	9.96	1	04:05
0.71						
Structure_-(82)	JUNCTION	0.10	0.56	10.05	1	04:06
0.56						
Structure_-(83)	JUNCTION	0.08	0.46	10.19	1	04:01
0.46						
Structure_-(84)	JUNCTION	0.07	0.36	10.33	1	04:00
0.36						
Structure_-(85)	JUNCTION	0.05	0.24	10.45	1	04:00
0.24						
Structure_-(86)	JUNCTION	1.02	2.50	9.80	1	04:03
2.47						
Structure_-(87)	JUNCTION	0.94	2.48	9.86	1	04:01
2.40						
Structure_-(88)	JUNCTION	0.78	2.86	10.42	1	04:01
2.28						
Structure_-(89)	JUNCTION	0.70	2.95	10.61	1	04:01
2.21						
Structure_-(9)	JUNCTION	1.26	5.11	9.93	1	04:03
5.07						
Structure_-(90)	JUNCTION	0.58	2.71	10.50	1	04:00
2.20						
Structure_-(92)	JUNCTION	0.10	1.06	9.96	1	04:03
1.06						
Structure_-(93)	JUNCTION	0.14	0.82	10.08	1	04:04
0.81						
Structure_-(94)	JUNCTION	0.13	0.77	10.20	1	04:04
0.77						
Structure_-(95)	JUNCTION	0.15	0.80	10.25	1	04:04
0.80						
Structure_-(96)	JUNCTION	0.13	0.78	10.38	1	04:00
0.78						
Structure_-(97)	JUNCTION	0.11	0.62	10.57	1	04:00

0.62	Structure_-_ (98)	JUNCTION	0.09	0.53	10.66	1	04:00
0.53	Structure_-_ (99)	JUNCTION	0.07	0.40	10.72	1	04:00
0.40	Structure520	JUNCTION	2.19	5.00	9.37	1	04:05
4.70	Structure521	JUNCTION	1.04	2.69	4.42	1	04:03
2.69	Structure522	JUNCTION	0.72	2.34	4.42	1	04:04
2.34	Structure587	JUNCTION	2.96	6.20	8.57	1	04:40
6.20	Structure593	JUNCTION	2.98	6.23	8.58	1	04:40
6.23	Structure602	JUNCTION	1.35	5.13	9.81	1	04:03
5.08	SU1-2_Central	JUNCTION	3.58	7.57	12.57	1	04:14
7.57	SU1-2_J1	JUNCTION	0.85	68.76	78.76	1	03:36
16.44	SU1-2_J1-2	JUNCTION	0.74	53.46	61.46	1	03:36
13.39	SU1-2_J2	JUNCTION	0.14	0.75	2.75	1	05:02
0.75	SU1-2_Overflow	JUNCTION	0.07	0.33	8.58	1	04:22
0.33	SU1-2_PSOut	JUNCTION	1.77	112.29	122.29	0	21:08
31.16	SU1-2_South	JUNCTION	0.02	0.15	20.15	1	04:02
0.15	SU1-2_West	JUNCTION	0.10	0.60	15.81	1	04:01
0.60	SU6-1E	JUNCTION	0.06	0.36	12.16	1	03:46
0.36	SU6-1NE	JUNCTION	3.92	10.13	12.13	1	04:54
10.13	SU6-1S	JUNCTION	0.06	0.35	12.75	1	03:46
0.35	SU6-7	JUNCTION	4.49	10.73	12.15	1	04:55
10.69	SU67-J1	JUNCTION	0.82	101.25	114.43	1	03:31
40.02	SU67-J2	JUNCTION	0.38	41.81	52.39	1	03:35
2.73	SU67-J3	JUNCTION	0.28	4.62	13.90	1	03:37
1.43	SU67-J4	JUNCTION	0.14	0.64	9.72	1	05:24
0.64	SU67-J5	JUNCTION	0.22	1.11	7.15	1	04:02
1.11	SU67-J6	JUNCTION	0.21	1.02	6.13	1	04:03
1.02							

SU67-J7	JUNCTION	0.17	0.76	5.41	1	05:43
0.76						
SU7-2W	JUNCTION	0.05	0.52	12.12	1	04:54
0.52						
SU7-3W	JUNCTION	3.92	10.12	12.12	1	04:55
10.12						
UDitch_Out	JUNCTION	0.16	0.96	8.46	1	05:30
0.96						
5_Dummy_Outlet	OUTFALL	0.00	0.00	0.00	0	00:00
0.00						
C_Dummy_Outlet	OUTFALL	0.00	0.00	0.00	0	00:00
0.00						
D_Dummy_Outlet	OUTFALL	0.00	0.00	0.00	0	00:00
0.00						
E_Dummy_Outlet	OUTFALL	0.00	0.00	0.00	0	00:00
0.00						
F_Dummy_Outlet	OUTFALL	0.00	0.00	0.00	0	00:00
0.00						
G_Dummy_Outlet	OUTFALL	0.00	0.00	0.00	0	00:00
0.00						
H_Dummy_Outlet	OUTFALL	0.00	0.00	0.00	0	00:00
0.00						
Outfall_002A	OUTFALL	0.39	0.99	-13.88	1	05:52
0.99						
Outfall003	OUTFALL	0.40	1.66	-1.34	1	04:17
1.66						
Facility77_Inlet	STORAGE	11.42	17.09	9.04	1	18:26
16.98						
PS_SU6-7	STORAGE	4.91	11.07	12.07	1	04:54
11.07						
PSC_Sump	STORAGE	5.70	14.12	14.62	1	10:56
14.12						
RetenionPond	STORAGE	7.14	8.29	14.79	1	10:56
8.29						
SU1-2_PS	STORAGE	6.20	9.96	12.46	1	04:14
9.96						

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Node Inflow Summary  
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Total	Flow		Maximum	Maximum		Lateral
Inflow	Balance		Lateral	Total	Time of Max	Inflow
Volume	Error		Inflow	Inflow	Occurrence	Volume
Node	Percent	Type	CFS	CFS	days hr:min	10 <sup>6</sup> gal



CB19		JUNCTION	2.05	2.05	1	04:00	0.123
0.123	0.014						
CB22		JUNCTION	0.20	13.82	1	04:00	0.0123
0.838	0.011						
CB30		JUNCTION	0.20	2.26	1	04:00	0.0123
0.136	0.163						
CB31		JUNCTION	2.05	2.05	1	04:00	0.123
0.123	0.019						
CB33		JUNCTION	2.05	2.05	1	04:00	0.123
0.123	0.010						
Culvert_Ditch11		JUNCTION	0.00	1.86	1	04:06	0
0.127	0.055						
Culvert_Ditch12		JUNCTION	0.00	1.67	1	04:09	0
0.127	0.151						
Culvert_Ditch12a		JUNCTION	0.00	1.69	1	04:09	0
0.126	0.199						
Culvert_Ditch12b		JUNCTION	0.00	1.71	1	04:09	0
0.126	1.954						
Culvert_Ditch12c		JUNCTION	0.00	1.78	1	04:08	0
0.126	-0.701						
Ditch1_2		JUNCTION	0.00	0.00	0	00:00	0
0	0.000 gal						
Ditch11_12		JUNCTION	0.00	1.69	1	04:07	0
0.127	0.203						
Ditch12_18		JUNCTION	1.82	4.17	1	04:10	0.129
0.256	0.153						
Ditch14_15		JUNCTION	1.23	5.20	1	04:01	0.0741
0.343	5.757						
Ditch15_16		JUNCTION	1.23	5.85	1	04:12	0.0741
0.399	0.229						
Ditch16_17		JUNCTION	1.23	6.83	1	04:14	0.0741
0.472	0.029						
Ditch17_5_6		JUNCTION	0.41	29.98	1	04:09	0.0247
1.91	0.756						
Ditch2_3		JUNCTION	5.18	5.18	1	04:00	0.374
0.39	3.217						
Ditch3_Out		JUNCTION	0.00	24.16	1	04:42	0
1.33	1.628						
Ditch4_In		JUNCTION	7.65	7.65	1	04:00	0.854
0.854	1.501						
Ditch4_Out		JUNCTION	0.00	37.24	1	04:18	0
2.86	15.894						
Ditch5_Inlet		JUNCTION	0.41	25.36	1	03:57	0.0247
1.42	0.188						
Ditch6_7		JUNCTION	0.41	29.27	1	04:15	0.0247
1.92	0.395						
Ditch7_8		JUNCTION	8.20	35.68	1	04:16	0.494
2.41	0.019						
Ditch9_10_11		JUNCTION	0.00	1.70	1	04:05	0
0.127	0.183						

Ditch9_Inlet	JUNCTION	1.82	1.82	1	04:00	0.129
0.129		1.157				
Facility77_PS	JUNCTION	0.00	22.28	1	04:03	0
4.86		0.055				
PS004	JUNCTION	0.00	2.78	1	04:00	0
0.253		-0.020				
PSC_Outlet	JUNCTION	0.00	13.37	1	04:44	0
4.34		0.007				
Roadside_Connection	JUNCTION	0.00	1.70	1	04:05	0
0.127		0.010				
SDCB294	JUNCTION	2.05	2.05	1	04:00	0.123
0.123		0.055				
SDCB541	JUNCTION	0.20	2.45	1	04:00	0.0123
0.148		0.048				
SDCB543	JUNCTION	0.20	2.25	1	04:00	0.0123
0.136		0.056				
SDCB6003	JUNCTION	0.20	19.37	1	04:00	0.0123
1.17		0.028				
SDCB6005	JUNCTION	0.82	0.82	1	04:00	0.0494
0.0494		0.572				
SDMH297	JUNCTION	0.41	23.49	1	04:01	0.0247
1.4		0.038				
SDMH299	JUNCTION	0.41	4.06	1	04:06	0.0247
0.222		0.071				
SDMH301	JUNCTION	0.20	23.32	1	04:05	0.0123
1.39		0.028				
SDMH538	JUNCTION	2.05	2.05	1	04:00	0.123
0.123		0.086				
SDMH539	JUNCTION	0.20	18.30	1	04:00	0.0123
1.11		0.016				
SDMH540	JUNCTION	0.20	2.25	1	04:00	0.0123
0.136		0.047				
Structure_-(1)	JUNCTION	0.65	1.45	1	03:54	0.0391
0.0394		0.018				
Structure_-(10)	JUNCTION	0.26	5.64	1	03:54	0.0157
0.391		0.883				
Structure_-(100)	JUNCTION	0.26	0.52	1	04:00	0.0157
0.0313		0.014				
Structure_-(101)	JUNCTION	0.26	0.26	1	04:00	0.0157
0.0157		0.015				
Structure_-(102)	JUNCTION	0.39	0.39	1	04:00	0.0235
0.0235		0.011				
Structure_-(123)	JUNCTION	0.26	4.24	1	04:04	0.0157
0.221		0.026				
Structure_-(124)	JUNCTION	0.26	2.43	1	04:01	0.0157
0.149		0.049				
Structure_-(125)	JUNCTION	0.26	2.18	1	04:01	0.0157
0.133		-0.005				
Structure_-(126)	JUNCTION	0.26	0.90	1	04:00	0.0157
0.0548		0.039				
Structure_-(128)	JUNCTION	0.26	0.64	1	04:00	0.0157
0.0391		0.037				
Structure_-(129)	JUNCTION	0.39	0.39	1	04:00	0.0235

0.0235	0.016						
Structure_-(130)		JUNCTION	0.26	0.90	1	04:00	0.0157
0.0548	0.031						
Structure_-(131)		JUNCTION	0.26	0.65	1	04:00	0.0157
0.0391	0.007						
Structure_-(132)		JUNCTION	0.39	0.39	1	04:00	0.0235
0.0235	0.009						
Structure_-(133)		JUNCTION	0.26	1.03	1	04:00	0.0157
0.0625	0.027						
Structure_-(134)		JUNCTION	0.39	0.39	1	04:00	0.0235
0.0235	0.111						
Structure_-(136)		JUNCTION	0.39	0.39	1	04:00	0.0235
0.0235	0.361						
Structure_-(139)		JUNCTION	0.26	1.58	1	04:00	0.0157
0.106	0.298						
Structure_-(140)		JUNCTION	0.26	1.32	1	04:00	0.0157
0.0784	0.271						
Structure_-(141)		JUNCTION	0.26	1.06	1	04:00	0.0157
0.0628	0.468						
Structure_-(142)		JUNCTION	0.26	0.85	1	03:44	0.0157
0.0473	0.080						
Structure_-(143)		JUNCTION	0.26	1.60	1	03:43	0.0157
0.0344	-0.230						
Structure_-(144)		JUNCTION	0.26	1.20	1	03:43	0.0157
0.0186	0.033						
Structure_-(161)		JUNCTION	0.26	0.47	1	18:33	0.0157
0.0164	0.216						
Structure_-(162)		JUNCTION	0.26	0.77	1	18:32	0.0157
0.0333	0.538						
Structure_-(163)		JUNCTION	0.26	0.89	1	04:05	0.0157
0.0546	2.059						
Structure_-(164)		JUNCTION	0.26	1.14	1	04:05	0.0157
0.0812	3.137						
Structure_-(165)		JUNCTION	0.26	2.12	1	04:05	0.0157
0.108	2.412						
Structure_-(166)		JUNCTION	0.26	2.97	1	04:05	0.0157
0.134	2.325						
Structure_-(167)		JUNCTION	0.26	3.22	1	04:05	0.0157
0.164	1.982						
Structure_-(168)		JUNCTION	0.26	3.82	1	18:28	0.0157
0.196	1.890						
Structure_-(169)		JUNCTION	0.26	4.12	1	18:28	0.0157
0.223	1.583						
Structure_-(170)		JUNCTION	0.26	8.81	1	20:55	0.0157
0.248	0.598						
Structure_-(171)		JUNCTION	0.00	23.67	1	04:05	0
1.61	1.254						
Structure_-(172)		JUNCTION	0.00	175.73	1	18:26	0
1.79	0.923						
Structure_-(173)		JUNCTION	0.00	8.84	1	04:05	0
0.585	0.978						
Structure_-(174)		JUNCTION	0.00	4.96	1	04:05	0
0.384	0.788						

Structure_-(175)	JUNCTION	0.00	1.55	1	03:59	0
0.134 1.222						
Structure_-(176)	JUNCTION	0.26	1.55	1	03:59	0.0157
0.13 2.200						
Structure_-(177)	JUNCTION	0.26	1.29	1	04:00	0.0157
0.107 3.173						
Structure_-(178)	JUNCTION	0.26	1.04	1	03:59	0.0157
0.081 3.340						
Structure_-(179)	JUNCTION	0.26	0.78	1	04:00	0.0157
0.0558 0.933						
Structure_-(180)	JUNCTION	0.26	0.75	1	03:21	0.0157
0.0354 2.597						
Structure_-(181)	JUNCTION	0.26	0.45	1	03:23	0.0157
0.0166 0.075						
Structure_-(19)	JUNCTION	0.00	0.16	1	03:19	0
0.00331 15.333						
Structure_-(2)	JUNCTION	0.65	1.64	1	03:54	0.0391
0.0806 -0.010						
Structure_-(20)	JUNCTION	0.00	1.11	1	03:24	0
0.0257 0.553						
Structure_-(205)	JUNCTION	0.26	3.49	1	04:05	0.0157
0.253 0.338						
Structure_-(206)	JUNCTION	0.26	3.25	1	04:05	0.0157
0.213 1.611						
Structure_-(207)	JUNCTION	0.26	3.35	1	18:31	0.0157
0.185 2.006						
Structure_-(208)	JUNCTION	0.26	2.80	1	04:05	0.0157
0.153 2.178						
Structure_-(209)	JUNCTION	0.26	2.47	1	04:06	0.0157
0.124 2.526						
Structure_-(21)	JUNCTION	0.26	0.42	1	03:23	0.0157
0.0173 -0.400						
Structure_-(210)	JUNCTION	0.26	1.89	1	04:06	0.0157
0.0995 2.634						
Structure_-(211)	JUNCTION	0.26	1.06	1	04:06	0.0157
0.0763 3.291						
Structure_-(212)	JUNCTION	0.26	0.82	1	04:06	0.0157
0.0538 1.961						
Structure_-(213)	JUNCTION	0.26	0.68	1	18:32	0.0157
0.0346 0.621						
Structure_-(214)	JUNCTION	0.26	0.42	1	18:35	0.0157
0.0169 0.242						
Structure_-(215)	JUNCTION	0.26	3.97	1	04:05	0.0157
0.23 0.441						
Structure_-(216)	JUNCTION	0.26	3.65	1	04:04	0.0157
0.213 1.634						
Structure_-(217)	JUNCTION	0.26	3.31	1	04:05	0.0157
0.187 2.159						
Structure_-(218)	JUNCTION	0.26	3.06	1	04:05	0.0157
0.156 2.463						
Structure_-(219)	JUNCTION	0.26	2.37	1	04:05	0.0157
0.127 2.466						
Structure_-(220)	JUNCTION	0.26	1.41	1	04:06	0.0157

0.103	2.396						
Structure_-(221)		JUNCTION	0.26	1.16	1	04:06	0.0157
0.0795	2.661						
Structure_-(222)		JUNCTION	0.26	0.92	1	04:06	0.0157
0.0555	1.500						
Structure_-(223)		JUNCTION	0.26	0.68	1	04:06	0.0157
0.0348	0.216						
Structure_-(23)		JUNCTION	0.00	1.36	1	03:48	0
0.253	0.009						
Structure_-(230)		JUNCTION	0.00	15.19	1	10:35	0
0.759	0.907						
Structure_-(231)		JUNCTION	0.00	14.34	1	20:57	0
0.475	1.097						
Structure_-(232)		JUNCTION	0.00	3.06	1	04:07	0
0.221	1.470						
Structure_-(233)		JUNCTION	0.26	2.90	1	04:06	0.0157
0.21	2.159						
Structure_-(234)		JUNCTION	0.26	2.87	1	04:06	0.0157
0.183	1.944						
Structure_-(235)		JUNCTION	0.26	2.54	1	04:06	0.0157
0.156	2.099						
Structure_-(236)		JUNCTION	0.26	2.15	1	04:06	0.0157
0.129	2.385						
Structure_-(237)		JUNCTION	0.26	1.61	1	04:06	0.0157
0.102	2.541						
Structure_-(238)		JUNCTION	0.26	0.82	1	04:06	0.0157
0.073	3.599						
Structure_-(239)		JUNCTION	0.00	0.57	1	04:06	0
0.0422	2.747						
Structure_-(24)		JUNCTION	0.00	0.52	1	05:16	0
0.245	0.019						
Structure_-(240)		JUNCTION	0.26	0.57	1	04:06	0.0157
0.0335	0.496						
Structure_-(241)		JUNCTION	0.26	0.26	1	04:00	0.0157
0.0162	0.184						
Structure_-(242)		JUNCTION	0.82	4.48	1	04:00	0.0494
0.293	0.378						
Structure_-(243)		JUNCTION	1.23	3.67	1	04:00	0.0741
0.276	0.357						
Structure_-(244)		JUNCTION	1.23	2.45	1	04:00	0.0741
0.179	0.127						
Structure_-(245)		JUNCTION	1.23	1.23	1	04:00	0.0741
0.0741	0.027						
Structure_-(246)		JUNCTION	0.26	9.35	1	10:33	0.0157
0.261	0.306						
Structure_-(247)		JUNCTION	0.26	3.10	1	04:05	0.0157
0.235	1.483						
Structure_-(248)		JUNCTION	0.26	2.92	1	04:06	0.0157
0.208	1.778						
Structure_-(249)		JUNCTION	0.26	2.66	1	04:06	0.0157
0.177	1.830						
Structure_-(25)		JUNCTION	0.00	0.52	1	05:16	0
0.244	0.058						

Structure_-(250)	JUNCTION	0.26	2.34	1	04:05	0.0157
0.148 2.094						
Structure_-(251)	JUNCTION	0.26	1.76	1	04:05	0.0157
0.121 2.172						
Structure_-(252)	JUNCTION	0.26	1.05	1	04:05	0.0157
0.0908 2.837						
Structure_-(253)	JUNCTION	0.26	0.83	1	18:32	0.0157
0.0594 2.087						
Structure_-(254)	JUNCTION	0.26	0.92	1	18:32	0.0157
0.0346 0.335						
Structure_-(255)	JUNCTION	0.26	0.40	1	18:32	0.0157
0.0166 0.185						
Structure_-(256)	JUNCTION	0.26	9.20	1	10:35	0.0157
0.3 0.562						
Structure_-(257)	JUNCTION	0.26	4.32	1	04:04	0.0157
0.277 1.284						
Structure_-(258)	JUNCTION	0.26	4.05	1	04:05	0.0157
0.251 1.537						
Structure_-(259)	JUNCTION	0.26	3.79	1	04:05	0.0157
0.224 1.703						
Structure_-(26)	JUNCTION	0.00	0.48	1	06:16	0
0.239 0.189						
Structure_-(260)	JUNCTION	0.26	3.21	1	04:05	0.0157
0.197 1.587						
Structure_-(261)	JUNCTION	0.26	2.46	1	04:00	0.0157
0.173 1.422						
Structure_-(262)	JUNCTION	0.26	2.20	1	04:00	0.0157
0.148 1.423						
Structure_-(263)	JUNCTION	0.26	1.94	1	04:00	0.0157
0.123 0.684						
Structure_-(264)	JUNCTION	0.26	1.68	1	04:00	0.0157
0.104 0.114						
Structure_-(265)	JUNCTION	0.26	1.42	1	04:00	0.0157
0.088 0.110						
Structure_-(266)	JUNCTION	0.26	1.17	1	04:00	0.0157
0.0728 0.011						
Structure_-(267)	JUNCTION	0.00	0.91	1	04:00	0
0.0572 0.114						
Structure_-(268)	JUNCTION	0.39	0.65	1	04:00	0.0235
0.0395 -0.012						
Structure_-(269)	JUNCTION	0.26	0.26	1	04:00	0.0157
0.0157 0.029						
Structure_-(27)	JUNCTION	0.00	0.45	1	07:13	0
0.231 0.162						
Structure_-(270)	JUNCTION	0.26	0.36	1	03:51	0.0157
0.0165 -0.056						
Structure_-(273)	JUNCTION	0.39	0.39	1	04:00	0.0235
0.0235 0.102						
Structure_-(274)	JUNCTION	0.26	0.64	1	04:00	0.0157
0.0391 0.014						
Structure_-(275)	JUNCTION	0.26	0.90	1	04:00	0.0157
0.0548 0.035						
Structure_-(276)	JUNCTION	0.26	1.54	1	04:01	0.0157

0.0939	0.135						
Structure_-(277)		JUNCTION	0.26	4.03	1	04:05	0.0157
0.225	0.127						
Structure_-(278)		JUNCTION	0.26	6.80	1	04:33	0.0157
0.241	-0.157						
Structure_-(28)		JUNCTION	0.00	0.43	1	07:26	0
0.225	0.032						
Structure_-(287)		JUNCTION	0.26	1.29	1	04:00	0.0157
0.0778	1.636						
Structure_-(288)		JUNCTION	0.39	0.39	1	04:00	0.0235
0.0236	1.228						
Structure_-(29)		JUNCTION	0.00	0.42	1	15:05	0
0.221	0.059						
Structure_-(298)		JUNCTION	0.39	0.39	1	04:00	0.0235
0.0235	0.218						
Structure_-(3)		JUNCTION	0.65	2.38	1	03:54	0.0391
0.124	0.050						
Structure_-(30)		JUNCTION	0.00	0.42	1	17:05	0
0.217	0.181						
Structure_-(305)		JUNCTION	0.26	0.65	1	04:00	0.0157
0.0389	1.926						
Structure_-(306)		JUNCTION	0.39	0.39	1	04:00	0.0235
0.0236	1.465						
Structure_-(31)		JUNCTION	0.00	0.42	1	19:32	0
0.211	0.205						
Structure_-(319)		JUNCTION	0.20	6.47	1	04:00	0.0123
0.395	0.034						
Structure_-(32)		JUNCTION	0.00	0.41	1	21:16	0
0.207	0.107						
Structure_-(320)		JUNCTION	0.20	8.72	1	04:00	0.0123
0.53	0.016						
Structure_-(325)		JUNCTION	0.20	2.25	1	04:00	0.0123
0.136	0.122						
Structure_-(326)		JUNCTION	2.05	2.05	1	04:00	0.123
0.123	0.009						
Structure_-(33)		JUNCTION	0.00	0.41	1	21:57	0
0.204	0.175						
Structure_-(331)		JUNCTION	2.05	2.05	1	04:00	0.123
0.123	0.066						
Structure_-(332)		JUNCTION	2.05	2.05	1	04:00	0.123
0.123	0.077						
Structure_-(333)		JUNCTION	0.20	2.46	1	04:00	0.0123
0.148	0.162						
Structure_-(34)		JUNCTION	0.00	0.41	1	22:58	0
0.2	0.384						
Structure_-(341)		JUNCTION	2.05	2.05	1	04:00	0.123
0.123	0.163						
Structure_-(35)		JUNCTION	0.00	0.41	1	23:52	0
0.197	0.298						
Structure_-(37)		JUNCTION	0.26	6.82	1	04:01	0.0157
0.618	0.054						
Structure_-(370)		JUNCTION	0.00	2.33	1	03:45	0
0.0206	0.080						

Structure_-(371)	JUNCTION	0.00	2.31	1	03:45	0
0.0187	0.216					
Structure_-(372)	JUNCTION	0.26	0.26	1	04:00	0.0157
0.0157	-0.064					
Structure_-(373)	JUNCTION	0.00	7.43	1	03:44	0
0.0194	0.022					
Structure_-(374)	JUNCTION	0.26	0.26	1	04:00	0.0157
0.0157	0.014					
Structure_-(375)	JUNCTION	0.26	0.52	1	04:00	0.0157
0.0313	0.009					
Structure_-(376)	JUNCTION	0.26	0.78	1	04:00	0.0157
0.047	0.007					
Structure_-(377)	JUNCTION	0.26	1.03	1	04:00	0.0157
0.0631	-0.001					
Structure_-(378)	JUNCTION	0.26	1.59	1	04:04	0.0157
0.0804	0.016					
Structure_-(379)	JUNCTION	0.00	43.73	1	04:01	0
4.46	-0.005					
Structure_-(38)	JUNCTION	0.26	9.78	1	04:06	0.0157
0.79	0.040					
Structure_-(380)	JUNCTION	0.00	42.36	1	04:01	0
4.38	-0.166					
Structure_-(381)	JUNCTION	0.00	749.54	1	18:26	0
4.33	-1.373					
Structure_-(389)	JUNCTION	0.00	0.00	0	00:00	0
0	0.000 gal					
Structure_-(39)	JUNCTION	0.65	10.40	1	04:06	0.0391
0.828	0.019					
Structure_-(390)	JUNCTION	0.00	0.00	0	00:00	0
0	0.000 gal					
Structure_-(391)	JUNCTION	0.26	0.52	1	04:00	0.0157
0.0313	-0.011					
Structure_-(392)	JUNCTION	0.00	0.51	1	04:00	0
0.032	0.002					
Structure_-(393)	JUNCTION	0.00	2.25	1	03:58	0
0.142	0.456					
Structure_-(394)	JUNCTION	0.00	2.32	1	03:55	0
0.157	1.094					
Structure_-(395)	JUNCTION	4.44	44.80	1	03:54	0.239
4.47	0.084					
Structure_-(396)	JUNCTION	0.26	0.26	1	04:00	0.0157
0.0157	0.017					
Structure_-(397)	JUNCTION	0.26	0.26	1	04:00	0.0157
0.0157	0.006					
Structure_-(398)	JUNCTION	0.26	0.52	1	04:00	0.0157
0.0314	0.088					
Structure_-(399)	JUNCTION	0.26	0.26	1	04:00	0.0157
0.0157	-0.060					
Structure_-(4)	JUNCTION	0.65	3.18	1	03:54	0.0391
0.167	0.016					
Structure_-(40)	JUNCTION	0.65	11.01	1	04:06	0.0391
0.867	0.004					
Structure_-(400)	JUNCTION	0.26	1.03	1	04:00	0.0157



0.0627	0.092						
Structure_-(401)	JUNCTION	0.26	0.77	1	04:00	0.0157	
0.047	0.012						
Structure_-(404)	JUNCTION	0.26	0.52	1	04:00	0.0157	
0.0313	0.011						
Structure_-(405)	JUNCTION	0.26	0.26	1	04:00	0.0157	
0.0157	0.011						
Structure_-(407)	JUNCTION	0.26	0.26	1	04:00	0.0157	
0.0157	0.007						
Structure_-(408)	JUNCTION	0.00	2.82	1	04:01	0	
0.172	0.010						
Structure_-(41)	JUNCTION	0.65	12.58	1	04:00	0.0391	
0.907	0.031						
Structure_-(42)	JUNCTION	0.26	21.86	1	03:59	0.0157	
1.44	0.022						
Structure_-(426)	JUNCTION	0.26	0.60	1	03:59	0.0157	
0.0313	0.286						
Structure_-(427)	JUNCTION	0.26	0.26	1	04:00	0.0157	
0.0157	0.997						
Structure_-(43)	JUNCTION	0.65	20.76	1	04:05	0.0391	
1.48	0.034						
Structure_-(431)	JUNCTION	0.00	20.10	1	05:52	0	
5.65	0.039						
Structure_-(432)	JUNCTION	0.00	13.39	1	12:47	0	
4.34	0.008						
Structure_-(433)	JUNCTION	0.00	13.37	1	12:46	0	
4.34	0.023						
Structure_-(434)	JUNCTION	0.00	13.37	1	12:46	0	
4.34	0.006						
Structure_-(435)	JUNCTION	0.00	13.37	1	12:46	0	
4.34	0.055						
Structure_-(44)	JUNCTION	0.65	21.37	1	04:04	0.0391	
1.52	0.026						
Structure_-(446)	JUNCTION	0.00	18.62	1	06:20	0	
4.93	0.012						
Structure_-(447)	JUNCTION	0.00	18.61	1	06:25	0	
4.93	0.018						
Structure_-(448)	JUNCTION	0.00	18.59	1	06:28	0	
4.94	0.062						
Structure_-(449)	JUNCTION	0.00	22.68	0	00:00	0	
4.96	0.069						
Structure_-(45)	JUNCTION	0.26	21.65	1	04:04	0.0157	
1.54	0.011						
Structure_-(450)	JUNCTION	0.00	47.92	0	00:00	0	
4.96	0.022						
Structure_-(451)	JUNCTION	0.00	303.74	0	00:00	0	
4.97	0.004						
Structure_-(453)	JUNCTION	0.00	5.21	1	03:40	0	
0.0382	35.587						
Structure_-(454)	JUNCTION	0.00	5.06	1	03:40	0	
0.0384	-0.232						
Structure_-(455)	JUNCTION	0.00	5.07	1	03:41	0	
0.0396	3.632						

Structure_-(456)	JUNCTION	0.00	5.11	1	03:41	0
0.0412			3.053			
Structure_-(457)	JUNCTION	0.00	5.12	1	03:41	0
0.0436			4.524			
Structure_-(458)	JUNCTION	0.00	48.10	1	18:26	0
0.051			10.486			
Structure_-(459)	JUNCTION	0.00	19.59	1	04:28	0
4.88			0.056			
Structure_-(46)	JUNCTION	0.26	21.89	1	04:04	0.0157
1.55			0.068			
Structure_-(460)	JUNCTION	0.00	18.79	1	05:19	0
4.89			0.018			
Structure_-(461)	JUNCTION	0.00	18.73	1	05:42	0
4.89			0.022			
Structure_-(462)	JUNCTION	0.00	18.69	1	05:53	0
4.91			0.064			
Structure_-(463)	JUNCTION	0.00	18.65	1	06:09	0
4.93			0.059			
Structure_-(469)	JUNCTION	0.26	54.92	1	18:26	0.0157
0.143			7.371			
Structure_-(47)	JUNCTION	0.65	32.00	1	04:05	0.0391
2.19			0.229			
Structure_-(470)	JUNCTION	0.26	5.33	1	18:28	0.0157
0.0758			0.000			
Structure_-(471)	JUNCTION	0.26	4.10	1	18:28	0.0157
0.0541			0.002			
Structure_-(472)	JUNCTION	0.26	4.05	1	18:28	0.0157
0.0347			0.025			
Structure_-(473)	JUNCTION	0.26	2.66	1	18:28	0.0157
0.0165			0.033			
Structure_-(475)	JUNCTION	0.26	0.26	1	04:00	0.0157
0.0157			1.516			
Structure_-(476)	JUNCTION	0.26	0.52	1	04:00	0.0157
0.0312			1.113			
Structure_-(477)	JUNCTION	0.26	1.04	1	04:00	0.0157
0.0621			1.821			
Structure_-(478)	JUNCTION	0.00	44.75	1	04:01	0
4.48			0.099			
Structure_-(481)	JUNCTION	0.00	4.97	1	03:44	0
0.0292			49.477			
Structure_-(482)	JUNCTION	0.00	5.43	1	03:44	0
0.0208			6.849			
Structure_-(483)	JUNCTION	0.00	5.95	1	03:44	0
0.0204			7.777			
Structure_-(484)	JUNCTION	0.00	5.71	1	03:44	0
0.0192			-2.137			
Structure_-(485)	JUNCTION	0.00	5.37	1	03:44	0
0.0194			2.166			
Structure_-(487)	JUNCTION	0.26	0.26	1	04:00	0.0157
0.0157			0.320			
Structure_-(489)	JUNCTION	0.26	45.04	1	03:54	0.0157
4.12			5.123			
Structure_-(490)	JUNCTION	0.65	0.65	1	04:00	0.0391

0.0392	0.849						
Structure_--(495)		JUNCTION	0.00	1.54	1	04:00	0
0.0939	0.007						
Structure_--(5)		JUNCTION	0.65	3.95	1	03:54	0.0391
0.211	0.008						
Structure_--(50)		JUNCTION	0.65	32.61	1	04:05	0.0391
2.17	0.198						
Structure_--(502)		JUNCTION	0.26	0.33	1	04:31	0.0157
0.0159	0.010						
Structure_--(503)		JUNCTION	0.26	5.90	1	03:54	0.0157
0.426	0.291						
Structure_--(51)		JUNCTION	0.65	33.22	1	04:05	0.0391
2.22	0.270						
Structure_--(52)		JUNCTION	0.26	37.10	1	04:04	0.0157
2.45	0.421						
Structure_--(53)		JUNCTION	0.00	38.59	1	04:04	0
2.57	0.463						
Structure_--(54)		JUNCTION	0.00	38.61	1	04:04	0
2.58	0.462						
Structure_--(56)		JUNCTION	0.26	3.19	1	04:01	0.0157
0.392	0.068						
Structure_--(57)		JUNCTION	0.39	2.94	1	04:01	0.0235
0.18	0.009						
Structure_--(58)		JUNCTION	0.39	2.56	1	04:01	0.0235
0.157	0.020						
Structure_--(59)		JUNCTION	0.39	2.18	1	04:00	0.0235
0.133	0.020						
Structure_--(6)		JUNCTION	0.26	4.29	1	03:54	0.0157
0.231	0.097						
Structure_--(60)		JUNCTION	0.39	1.80	1	04:00	0.0235
0.11	0.011						
Structure_--(61)		JUNCTION	0.39	1.41	1	04:00	0.0235
0.0861	0.011						
Structure_--(62)		JUNCTION	0.39	1.03	1	04:00	0.0235
0.0626	0.022						
Structure_--(63)		JUNCTION	0.65	0.65	1	04:00	0.0391
0.0391	0.016						
Structure_--(7)		JUNCTION	0.26	4.58	1	03:54	0.0157
0.25	0.154						
Structure_--(70)		JUNCTION	0.39	3.54	1	04:03	0.0235
0.211	0.018						
Structure_--(71)		JUNCTION	0.39	3.52	1	04:02	0.0235
0.188	0.004						
Structure_--(72)		JUNCTION	0.39	2.68	1	04:02	0.0235
0.164	0.016						
Structure_--(73)		JUNCTION	0.39	2.30	1	04:01	0.0235
0.141	0.025						
Structure_--(74)		JUNCTION	0.39	1.92	1	04:01	0.0235
0.117	0.024						
Structure_--(75)		JUNCTION	0.39	1.54	1	04:01	0.0235
0.0939	0.025						
Structure_--(76)		JUNCTION	0.39	1.16	1	04:00	0.0235
0.0704	0.027						

Structure_-(77)	JUNCTION	0.39	0.77	1	04:00	0.0235
0.047	0.029					
Structure_-(78)	JUNCTION	0.39	0.39	1	04:00	0.0235
0.0235	0.018					
Structure_-(79)	JUNCTION	0.39	2.57	1	04:06	0.0235
0.156	0.022					
Structure_-(8)	JUNCTION	0.26	5.05	1	03:54	0.0157
0.309	0.479					
Structure_-(80)	JUNCTION	0.39	2.16	1	04:00	0.0235
0.133	0.024					
Structure_-(81)	JUNCTION	0.39	1.79	1	04:01	0.0235
0.11	0.024					
Structure_-(82)	JUNCTION	0.39	1.41	1	04:00	0.0235
0.0861	0.026					
Structure_-(83)	JUNCTION	0.39	1.03	1	04:00	0.0235
0.0626	0.028					
Structure_-(84)	JUNCTION	0.39	0.64	1	04:00	0.0235
0.0391	0.030					
Structure_-(85)	JUNCTION	0.26	0.26	1	04:00	0.0157
0.0157	0.021					
Structure_-(86)	JUNCTION	0.65	9.15	1	03:59	0.0391
0.523	0.026					
Structure_-(87)	JUNCTION	0.65	8.77	1	03:59	0.0391
0.484	0.082					
Structure_-(88)	JUNCTION	0.65	8.02	1	04:00	0.0391
0.445	0.076					
Structure_-(89)	JUNCTION	0.65	7.11	1	04:00	0.0391
0.407	0.111					
Structure_-(9)	JUNCTION	0.26	5.32	1	03:54	0.0157
0.343	0.642					
Structure_-(90)	JUNCTION	0.65	6.37	1	04:00	0.0391
0.368	0.108					
Structure_-(92)	JUNCTION	0.65	5.38	1	04:01	0.0391
0.329	0.005					
Structure_-(93)	JUNCTION	0.65	4.74	1	04:01	0.0391
0.29	0.007					
Structure_-(94)	JUNCTION	0.65	4.10	1	04:01	0.0391
0.25	0.004					
Structure_-(95)	JUNCTION	0.65	3.46	1	04:01	0.0391
0.211	0.005					
Structure_-(96)	JUNCTION	0.65	2.82	1	04:00	0.0391
0.172	0.013					
Structure_-(97)	JUNCTION	0.65	2.18	1	04:00	0.0391
0.133	0.012					
Structure_-(98)	JUNCTION	0.65	1.54	1	04:00	0.0391
0.0939	0.008					
Structure_-(99)	JUNCTION	0.00	0.90	1	04:00	0
0.0548	0.025					
Structure520	JUNCTION	0.26	0.30	1	03:47	0.0157
0.0169	1.103					
Structure521	JUNCTION	0.41	2.46	1	04:00	0.0247
0.15	4.485					
Structure522	JUNCTION	0.41	3.26	1	04:06	0.0247

0.186	3.406						
Structure587		JUNCTION	0.26	40.89	1	03:57	0.0157
4.3	1.631						
Structure593		JUNCTION	0.26	45.53	1	04:01	0.0157
4.45	1.619						
Structure602		JUNCTION	0.00	10.62	1	04:02	0
0.66	0.403						
SU1-2_Central		JUNCTION	0.00	12.10	1	04:07	0
0.697	-0.701						
SU1-2_J1		JUNCTION	0.00	5.57	1	03:42	0
0.57	-0.486						
SU1-2_J1-2		JUNCTION	0.00	5.57	1	03:42	0
0.572	0.003						
SU1-2_J2		JUNCTION	0.00	5.57	1	03:42	0
0.572	0.474						
SU1-2_Overflow		JUNCTION	0.00	11.68	1	04:08	0
0.921	2.475						
SU1-2_PSOut		JUNCTION	0.00	5.57	1	03:42	0
0.569	-0.061						
SU1-2_South		JUNCTION	2.12	2.12	1	04:00	0.132
0.132	1.170						
SU1-2_West		JUNCTION	8.49	8.49	1	04:00	0.528
0.528	2.005						
SU6-1E		JUNCTION	4.00	4.00	1	04:00	0.249
0.249	2.091						
SU6-1NE		JUNCTION	0.00	8.46	1	03:47	0
0.522	-1.005						
SU6-1S		JUNCTION	4.00	4.00	1	04:00	0.249
0.249	2.850						
SU6-7		JUNCTION	0.00	6.91	1	03:44	0
0.946	0.317						
SU67-J1		JUNCTION	0.00	5.57	1	03:35	0
0.742	-0.998						
SU67-J2		JUNCTION	0.00	5.59	1	03:35	0
0.75	0.866						
SU67-J3		JUNCTION	0.00	5.92	1	03:35	0
0.743	0.179						
SU67-J4		JUNCTION	0.00	5.63	1	03:37	0
0.742	-0.009						
SU67-J5		JUNCTION	0.00	5.57	1	05:24	0
0.742	-0.003						
SU67-J6		JUNCTION	0.00	5.57	1	04:03	0
0.742	-0.000						
SU67-J7		JUNCTION	0.00	5.57	1	04:03	0
0.742	-0.020						
SU7-2W		JUNCTION	4.21	4.21	1	04:00	0.262
0.262	1.853						
SU7-3W		JUNCTION	0.00	5.60	1	03:55	0
0.332	-0.359						
UDitch_Out		JUNCTION	0.00	40.61	1	04:18	0
1.71	1.495						
5_Dummy_Outlet		OUTFALL	0.00	0.00	0	00:00	0
0	0.000 gal						

C_Dummy_Outlet	OUTFALL	0.00	0.00	0	00:00	0
0	0.000 gal					
D_Dummy_Outlet	OUTFALL	0.00	0.00	0	00:00	0
0	0.000 gal					
E_Dummy_Outlet	OUTFALL	0.00	0.00	0	00:00	0
0	0.000 gal					
F_Dummy_Outlet	OUTFALL	0.00	0.00	0	00:00	0
0	0.000 gal					
G_Dummy_Outlet	OUTFALL	0.00	0.00	0	00:00	0
0	0.000 gal					
H_Dummy_Outlet	OUTFALL	0.00	0.00	0	00:00	0
0	0.000 gal					
Outfall_002A	OUTFALL	0.00	20.06	1	05:52	0
5.65	0.000					
Outfall003	OUTFALL	0.00	35.68	1	04:17	0
2.41	0.000					
Facility77_Inlet	STORAGE	0.00	958.69	1	18:26	0
7.04	0.826					
PS_SU6-7	STORAGE	0.00	6.92	1	03:44	0
0.835	0.081					
PSC_Sump	STORAGE	0.00	17.86	1	10:55	0
4.74	0.001					
RetenionPond	STORAGE	0.00	82.49	0	00:00	0
6.83	0.000					
SU1-2_PS	STORAGE	0.00	9.70	1	04:14	0
0.705	0.176					

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Node Surcharge Summary

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Surcharging occurs when water rises above the top of the highest conduit.

Node	Type	Hours Surcharged	Max. Height Above Crown Feet	Min. Depth Below Rim Feet
CB19	JUNCTION	0.01	0.014	4.006
CB31	JUNCTION	0.06	0.032	3.968
DIitch12_18	JUNCTION	4.03	0.472	1.328
Facility77_PS	JUNCTION	47.77	44.721	0.000
PS004	JUNCTION	11.06	1.612	0.000
PSC_Outlet	JUNCTION	13.12	48.237	0.000
SDCB294	JUNCTION	2.10	1.124	3.876
SDMH540	JUNCTION	0.29	0.110	3.790
Structure_-(1)	JUNCTION	0.79	3.502	0.000
Structure_-(10)	JUNCTION	7.62	2.131	4.309
Structure_-(124)	JUNCTION	0.01	0.005	6.905
Structure_-(139)	JUNCTION	19.09	4.133	2.267
Structure_-(140)	JUNCTION	18.33	4.103	1.947
Structure_-(141)	JUNCTION	17.65	4.058	0.642
Structure_-(142)	JUNCTION	13.90	2.955	1.045

Structure_-(143)	JUNCTION	10.37	2.036	3.024
Structure_-(144)	JUNCTION	7.33	1.658	2.752
Structure_-(161)	JUNCTION	9.22	3.603	0.000
Structure_-(162)	JUNCTION	12.68	3.350	0.000
Structure_-(163)	JUNCTION	13.94	3.201	0.000
Structure_-(164)	JUNCTION	14.69	3.160	0.000
Structure_-(165)	JUNCTION	15.62	3.464	0.000
Structure_-(166)	JUNCTION	18.03	3.803	0.000
Structure_-(167)	JUNCTION	20.70	4.187	0.000
Structure_-(168)	JUNCTION	23.54	4.838	0.000
Structure_-(169)	JUNCTION	24.82	5.196	0.000
Structure_-(170)	JUNCTION	22.63	4.598	2.892
Structure_-(171)	JUNCTION	30.77	5.635	3.135
Structure_-(172)	JUNCTION	37.59	8.400	0.000
Structure_-(173)	JUNCTION	19.47	3.966	1.634
Structure_-(174)	JUNCTION	31.04	5.677	1.643
Structure_-(175)	JUNCTION	34.82	6.166	7.114
Structure_-(176)	JUNCTION	24.23	5.104	6.226
Structure_-(177)	JUNCTION	20.18	4.153	5.187
Structure_-(178)	JUNCTION	14.66	3.168	0.232
Structure_-(179)	JUNCTION	13.66	2.556	1.094
Structure_-(180)	JUNCTION	13.00	2.326	4.964
Structure_-(181)	JUNCTION	11.23	2.227	5.673
Structure_-(19)	JUNCTION	13.14	3.068	4.212
Structure_-(2)	JUNCTION	0.93	3.754	0.176
Structure_-(20)	JUNCTION	11.30	3.376	0.124
Structure_-(205)	JUNCTION	25.42	5.367	0.123
Structure_-(206)	JUNCTION	26.24	5.413	0.000
Structure_-(207)	JUNCTION	22.85	4.667	0.000
Structure_-(208)	JUNCTION	20.70	4.216	0.000
Structure_-(209)	JUNCTION	18.04	3.822	0.000
Structure_-(21)	JUNCTION	8.35	3.105	0.395
Structure_-(210)	JUNCTION	15.91	3.545	0.000
Structure_-(211)	JUNCTION	14.69	3.183	0.000
Structure_-(212)	JUNCTION	13.92	3.201	0.000
Structure_-(213)	JUNCTION	12.63	3.351	0.000
Structure_-(214)	JUNCTION	9.16	3.602	0.000
Structure_-(215)	JUNCTION	31.92	5.745	1.033
Structure_-(216)	JUNCTION	33.40	5.875	0.000
Structure_-(217)	JUNCTION	23.51	4.824	0.000
Structure_-(218)	JUNCTION	22.02	4.466	0.000
Structure_-(219)	JUNCTION	16.78	3.615	0.000
Structure_-(220)	JUNCTION	14.88	3.251	0.000
Structure_-(221)	JUNCTION	14.08	2.872	0.228
Structure_-(222)	JUNCTION	12.65	2.639	0.411
Structure_-(223)	JUNCTION	11.70	2.427	0.923
Structure_-(23)	JUNCTION	20.19	15.006	0.000
Structure_-(230)	JUNCTION	25.00	5.245	1.975
Structure_-(231)	JUNCTION	27.05	5.456	1.374
Structure_-(232)	JUNCTION	24.52	5.119	1.413
Structure_-(233)	JUNCTION	24.00	4.977	0.000
Structure_-(234)	JUNCTION	22.85	4.668	0.000
Structure_-(235)	JUNCTION	20.72	4.204	0.000

Structure_-(236)	JUNCTION	18.01	3.821	0.000
Structure_-(237)	JUNCTION	15.56	3.483	0.000
Structure_-(238)	JUNCTION	14.64	3.179	0.000
Structure_-(239)	JUNCTION	13.93	3.200	0.000
Structure_-(24)	JUNCTION	20.08	6.830	0.000
Structure_-(240)	JUNCTION	12.32	2.885	0.465
Structure_-(241)	JUNCTION	9.30	3.160	0.440
Structure_-(243)	JUNCTION	1.20	0.238	4.982
Structure_-(246)	JUNCTION	23.42	4.814	1.336
Structure_-(247)	JUNCTION	26.24	5.388	0.000
Structure_-(248)	JUNCTION	22.85	4.638	0.000
Structure_-(249)	JUNCTION	20.70	4.179	0.000
Structure_-(25)	JUNCTION	20.06	6.686	0.000
Structure_-(250)	JUNCTION	18.03	3.801	0.000
Structure_-(251)	JUNCTION	15.55	3.456	0.000
Structure_-(252)	JUNCTION	14.66	3.148	0.000
Structure_-(253)	JUNCTION	13.95	3.201	0.000
Structure_-(254)	JUNCTION	12.68	3.351	0.000
Structure_-(255)	JUNCTION	9.31	3.602	0.000
Structure_-(256)	JUNCTION	23.76	4.899	1.581
Structure_-(257)	JUNCTION	33.42	5.858	0.000
Structure_-(258)	JUNCTION	23.52	4.841	0.000
Structure_-(259)	JUNCTION	22.03	4.482	0.000
Structure_-(26)	JUNCTION	19.98	6.220	0.000
Structure_-(260)	JUNCTION	16.78	3.659	0.000
Structure_-(261)	JUNCTION	14.89	3.315	0.000
Structure_-(262)	JUNCTION	14.09	2.866	0.234
Structure_-(263)	JUNCTION	12.67	2.291	0.759
Structure_-(264)	JUNCTION	11.82	2.111	1.239
Structure_-(265)	JUNCTION	8.51	1.659	1.841
Structure_-(266)	JUNCTION	7.02	1.616	3.374
Structure_-(267)	JUNCTION	6.87	1.618	2.372
Structure_-(268)	JUNCTION	2.00	1.152	2.848
Structure_-(269)	JUNCTION	5.06	1.467	3.023
Structure_-(27)	JUNCTION	19.80	5.078	0.000
Structure_-(270)	JUNCTION	1.66	0.990	3.010
Structure_-(28)	JUNCTION	19.73	4.936	0.000
Structure_-(29)	JUNCTION	19.68	4.846	0.000
Structure_-(3)	JUNCTION	1.71	3.578	0.000
Structure_-(30)	JUNCTION	19.55	4.494	0.000
Structure_-(31)	JUNCTION	19.42	3.537	0.000
Structure_-(319)	JUNCTION	0.28	0.253	3.247
Structure_-(32)	JUNCTION	19.45	3.049	0.000
Structure_-(320)	JUNCTION	0.20	0.109	3.391
Structure_-(325)	JUNCTION	0.67	0.620	2.230
Structure_-(326)	JUNCTION	0.08	0.094	3.906
Structure_-(33)	JUNCTION	19.46	2.807	0.000
Structure_-(331)	JUNCTION	0.98	3.818	0.000
Structure_-(332)	JUNCTION	0.77	2.994	0.536
Structure_-(34)	JUNCTION	18.38	1.829	0.000
Structure_-(35)	JUNCTION	16.13	0.221	0.000
Structure_-(378)	JUNCTION	0.22	0.094	5.306
Structure_-(379)	JUNCTION	20.31	4.818	2.332



Structure_-(380)	JUNCTION	17.31	5.200	0.000
Structure_-(392)	JUNCTION	2.20	0.234	6.656
Structure_-(394)	JUNCTION	15.92	1.831	6.534
Structure_-(395)	JUNCTION	20.30	3.122	4.498
Structure_-(398)	JUNCTION	10.94	1.156	3.178
Structure_-(399)	JUNCTION	4.55	0.469	3.865
Structure_-(4)	JUNCTION	1.03	4.173	0.000
Structure_-(41)	JUNCTION	0.26	0.405	4.555
Structure_-(42)	JUNCTION	0.31	0.367	4.463
Structure_-(426)	JUNCTION	9.75	1.063	2.737
Structure_-(427)	JUNCTION	7.13	0.793	2.607
Structure_-(43)	JUNCTION	0.82	0.836	2.389
Structure_-(44)	JUNCTION	0.98	1.051	4.741
Structure_-(446)	JUNCTION	47.72	16.216	0.000
Structure_-(447)	JUNCTION	47.79	15.164	0.000
Structure_-(448)	JUNCTION	47.96	14.029	0.000
Structure_-(449)	JUNCTION	47.99	9.401	0.000
Structure_-(45)	JUNCTION	1.02	1.091	0.409
Structure_-(450)	JUNCTION	48.00	7.147	0.000
Structure_-(451)	JUNCTION	48.00	7.745	0.000
Structure_-(453)	JUNCTION	20.32	3.514	0.000
Structure_-(454)	JUNCTION	20.32	3.520	0.000
Structure_-(455)	JUNCTION	20.32	3.509	0.000
Structure_-(456)	JUNCTION	20.34	3.555	0.000
Structure_-(457)	JUNCTION	20.35	3.660	0.000
Structure_-(458)	JUNCTION	20.41	3.928	0.000
Structure_-(459)	JUNCTION	47.86	26.038	0.000
Structure_-(46)	JUNCTION	1.07	1.126	0.374
Structure_-(460)	JUNCTION	47.86	25.612	0.000
Structure_-(461)	JUNCTION	47.89	24.897	0.000
Structure_-(462)	JUNCTION	47.90	24.370	0.000
Structure_-(463)	JUNCTION	47.94	22.509	0.000
Structure_-(469)	JUNCTION	16.29	3.604	0.000
Structure_-(47)	JUNCTION	5.21	1.704	3.413
Structure_-(475)	JUNCTION	20.52	4.631	5.699
Structure_-(476)	JUNCTION	20.53	4.646	5.844
Structure_-(477)	JUNCTION	20.58	4.818	5.672
Structure_-(478)	JUNCTION	20.35	3.746	4.104
Structure_-(481)	JUNCTION	20.25	3.557	0.000
Structure_-(482)	JUNCTION	20.25	3.520	0.000
Structure_-(483)	JUNCTION	20.25	3.506	0.000
Structure_-(484)	JUNCTION	20.24	3.502	0.000
Structure_-(485)	JUNCTION	20.23	3.520	0.000
Structure_-(487)	JUNCTION	20.95	5.740	5.380
Structure_-(5)	JUNCTION	1.89	4.017	1.633
Structure_-(50)	JUNCTION	9.42	2.073	2.794
Structure_-(503)	JUNCTION	7.92	2.130	4.250
Structure_-(51)	JUNCTION	11.18	2.258	2.689
Structure_-(52)	JUNCTION	12.18	2.363	1.404
Structure_-(53)	JUNCTION	11.02	1.941	2.926
Structure_-(54)	JUNCTION	11.11	1.979	2.888
Structure_-(6)	JUNCTION	7.98	3.024	0.000
Structure_-(7)	JUNCTION	6.43	2.581	0.699

Structure_-(8)	JUNCTION	8.98	2.658	2.872
Structure_-(87)	JUNCTION	0.40	0.482	2.518
Structure_-(88)	JUNCTION	0.26	0.861	2.139
Structure_-(89)	JUNCTION	0.20	0.953	2.047
Structure_-(9)	JUNCTION	10.99	2.608	3.822
Structure_-(90)	JUNCTION	0.35	0.964	2.286
Structure520	JUNCTION	9.34	1.853	0.000
Structure587	JUNCTION	20.31	3.197	0.000
Structure593	JUNCTION	20.32	3.230	0.000
Structure602	JUNCTION	8.21	2.133	0.000
SU1-2_J1	JUNCTION	1.90	67.770	0.000
SU1-2_J1-2	JUNCTION	1.98	52.471	0.000
SU1-2_PSOut	JUNCTION	4.78	111.298	0.000
SU6-7	JUNCTION	29.48	7.586	0.604
SU67-J1	JUNCTION	3.05	100.000	0.000
SU67-J2	JUNCTION	2.96	40.567	0.000
SU67-J3	JUNCTION	2.94	3.368	0.000

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Node Flooding Summary

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Flooding refers to all water that overflows a node, whether it ponds or not.

Node	Hours Flooded	Maximum Rate CFS	Time of Max Occurrence days hr:min	Total Flood Volume 10 <sup>6</sup> gal	Maximum Ponded Depth Feet
Facility77_PS	47.77	22.28	1 04:03	0.132	44.721
PS004	2.48	0.51	1 04:48	0.002	0.172
PSC_Outlet	13.12	7.36	1 04:44	0.290	48.237
Structure_-(1)	0.01	0.39	1 03:54	0.000	0.002
Structure_-(161)	0.01	0.34	1 18:29	0.000	0.003
Structure_-(162)	0.01	0.40	1 18:32	0.000	0.000
Structure_-(163)	0.01	0.46	1 18:32	0.000	0.001
Structure_-(164)	0.03	0.55	1 18:28	0.000	0.060
Structure_-(165)	0.78	0.86	1 04:07	0.002	0.364
Structure_-(166)	1.85	0.91	1 04:07	0.002	0.703
Structure_-(167)	7.12	2.94	1 18:28	0.010	1.237
Structure_-(168)	11.61	3.46	1 18:32	0.016	1.838
Structure_-(169)	13.69	3.21	1 18:29	0.023	2.396
Structure_-(172)	36.89	158.73	1 18:26	0.103	7.400
Structure_-(206)	13.71	1.91	1 18:31	0.017	2.413
Structure_-(207)	11.62	3.35	1 18:31	0.013	1.867
Structure_-(208)	7.17	2.55	1 18:34	0.007	1.266
Structure_-(209)	1.85	1.37	1 18:32	0.002	0.722
Structure_-(210)	0.85	0.66	1 18:32	0.001	0.445
Structure_-(211)	0.05	0.33	1 18:31	0.000	0.083
Structure_-(212)	0.01	0.38	1 18:32	0.000	0.001
Structure_-(213)	0.01	0.37	1 18:35	0.000	0.001
Structure_-(214)	0.01	0.32	1 18:32	0.000	0.002

Structure_-(216)	14.41	1.68	1	18:30	0.019	2.875
Structure_-(217)	12.68	0.85	1	03:56	0.012	2.074
Structure_-(218)	10.37	1.00	1	18:29	0.012	1.616
Structure_-(219)	1.62	0.62	1	04:00	0.002	0.615
Structure_-(220)	0.08	0.31	1	04:03	0.000	0.151
Structure_-(23)	20.19	1.34	1	03:48	0.011	15.006
Structure_-(233)	1.81	0.70	1	03:59	0.002	0.627
Structure_-(234)	1.90	0.75	1	03:58	0.002	0.688
Structure_-(235)	0.77	0.53	1	04:01	0.001	0.344
Structure_-(236)	0.89	0.51	1	04:00	0.001	0.471
Structure_-(237)	0.77	0.42	1	04:03	0.001	0.383
Structure_-(238)	0.04	0.33	1	04:04	0.000	0.079
Structure_-(239)	0.01	0.02	1	04:06	0.000	0.000
Structure_-(24)	16.82	0.01	1	07:36	0.002	2.330
Structure_-(247)	13.70	1.92	1	18:30	0.016	2.388
Structure_-(248)	11.59	2.56	1	18:30	0.012	1.838
Structure_-(249)	7.14	2.36	1	18:32	0.007	1.229
Structure_-(25)	20.06	0.08	1	04:01	0.006	6.686
Structure_-(250)	1.84	0.69	1	18:32	0.002	0.701
Structure_-(251)	0.78	1.37	1	18:32	0.001	0.356
Structure_-(252)	0.04	0.77	1	18:32	0.000	0.048
Structure_-(253)	0.01	0.55	1	18:32	0.000	0.001
Structure_-(254)	0.01	0.40	1	18:32	0.000	0.001
Structure_-(255)	0.01	0.33	1	18:32	0.000	0.002
Structure_-(257)	14.41	1.63	1	18:30	0.018	2.858
Structure_-(258)	12.68	0.78	1	18:29	0.012	2.091
Structure_-(259)	10.35	1.30	1	18:29	0.011	1.632
Structure_-(26)	19.98	0.08	1	04:12	0.007	6.220
Structure_-(260)	1.64	0.55	1	04:00	0.001	0.659
Structure_-(261)	0.36	0.33	1	04:04	0.000	0.215
Structure_-(27)	19.79	0.03	1	05:04	0.006	5.078
Structure_-(28)	19.73	0.02	1	05:09	0.004	4.936
Structure_-(29)	19.68	0.02	1	05:15	0.004	4.846
Structure_-(3)	0.01	0.86	1	03:54	0.000	0.008
Structure_-(30)	19.55	0.03	1	04:34	0.005	4.494
Structure_-(31)	19.42	0.02	1	06:04	0.004	3.537
Structure_-(32)	19.45	0.01	1	07:17	0.003	3.049
Structure_-(33)	19.46	0.01	1	08:38	0.003	2.807
Structure_-(331)	0.17	0.09	1	04:00	0.000	0.138
Structure_-(34)	18.38	0.02	1	08:38	0.003	1.829
Structure_-(35)	16.13	0.12	1	04:05	0.001	0.221
Structure_-(380)	0.01	4.00	1	18:26	0.000	0.000
Structure_-(4)	0.01	1.18	1	03:54	0.000	0.003
Structure_-(446)	47.72	0.83	1	18:29	0.028	16.216
Structure_-(447)	47.79	1.31	0	00:02	0.029	15.164
Structure_-(448)	47.96	4.88	0	00:02	0.044	14.029
Structure_-(449)	47.99	22.68	0	00:00	0.028	9.401
Structure_-(450)	48.00	44.56	0	00:00	0.011	7.147
Structure_-(451)	48.00	289.37	0	00:00	0.011	7.745
Structure_-(453)	0.03	0.91	1	03:41	0.000	0.014
Structure_-(454)	0.04	0.94	1	03:41	0.000	0.020
Structure_-(455)	0.03	0.28	1	03:41	0.000	0.009
Structure_-(456)	0.68	1.03	1	04:04	0.002	0.222

Structure_-_ (457)	0.83	1.43	1	04:04	0.002	0.327
Structure_-_ (458)	1.69	46.05	1	18:26	0.006	0.594
Structure_-_ (459)	47.86	3.03	1	04:04	0.074	26.038
Structure_-_ (460)	47.86	1.83	1	04:04	0.046	25.612
Structure_-_ (461)	47.89	1.88	1	04:04	0.047	24.897
Structure_-_ (462)	47.90	2.83	1	18:28	0.071	24.370
Structure_-_ (463)	47.94	8.67	0	00:03	0.061	22.509
Structure_-_ (469)	1.00	54.30	1	18:26	0.003	0.604
Structure_-_ (481)	0.04	3.21	1	03:44	0.000	0.057
Structure_-_ (482)	0.02	3.39	1	03:44	0.000	0.020
Structure_-_ (483)	0.01	2.90	1	03:44	0.000	0.006
Structure_-_ (484)	0.01	0.28	1	03:44	0.000	0.002
Structure_-_ (485)	0.01	4.38	1	03:44	0.000	0.020
Structure_-_ (6)	0.01	0.55	1	03:54	0.000	0.004
Structure520	0.01	0.16	1	04:05	0.000	0.003
Structure587	10.91	5.36	1	04:01	0.063	1.197
Structure593	10.99	5.52	1	04:01	0.066	1.230
Structure602	0.10	3.04	1	04:02	0.001	0.133
SU67-J1	0.01	0.70	1	03:31	0.000	100.000

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Storage Volume Summary  
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Time of Max Occurrence	Maximum Outflow Storage Unit	Average Volume	Avg Pcmt Full	Evap Loss	Exfil Loss	Maximum Volume	Max Pcmt Full
days hr:min	CFS	1000 ft3				1000 ft3	

Facility77_Inlet		5.599	55	0	0	8.468	83
1 18:26	867.27						
PS_SU6-7		0.589	36	0	0	1.328	81
1 04:54	6.62						
PSC_Sump		1.918	29	0	0	5.180	77
1 10:56	17.86						
RetenionPond		271.374	67	0	0	335.409	82
1 10:56	303.74						
SU1-2_PS		0.744	48	0	0	1.195	77
1 04:14	9.70						

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Outfall Loading Summary  
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Outfall Node	Flow Freq Pcnt	Avg Flow CFS	Max Flow CFS	Total Volume 10 <sup>6</sup> gal
5_Dummy_Outlet	0.00	0.00	0.00	0.000
C_Dummy_Outlet	0.00	0.00	0.00	0.000
D_Dummy_Outlet	0.00	0.00	0.00	0.000
E_Dummy_Outlet	0.00	0.00	0.00	0.000
F_Dummy_Outlet	0.00	0.00	0.00	0.000
G_Dummy_Outlet	0.00	0.00	0.00	0.000
H_Dummy_Outlet	0.00	0.00	0.00	0.000
Outfall_002A	81.33	7.40	20.06	5.647
Outfall003	89.46	2.76	35.68	2.405
System	18.98	10.16	46.82	8.052

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Link Flow Summary  
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Max/Full Link Depth	Type	Maximum  Flow  CFS	Time of Max Occurrence days hr:min	Maximum  Veloc  ft/sec	Max/Full Flow
172_to_Inlet 1.00	CONDUIT	245.21	1 18:26	19.51	0.07
278_to_PS_B 0.98	CONDUIT	5.67	1 04:02	1.51	0.07
381_to_PS77 0.87	CONDUIT	958.69	1 18:26	37.11	4.00
458_to_Inlet 1.00	CONDUIT	48.10	1 18:26	22.05	0.20
469_to_Inlet 1.00	CONDUIT	54.92	1 18:26	17.48	0.10
C1_1 0.27	CONDUIT	10.09	1 04:07	1.87	0.08
C1_2 1.00	CONDUIT	9.70	1 04:14	3.09	0.56
Culvert11 0.66	CONDUIT	1.86	1 04:06	2.20	0.09
Culvert12 1.00	CONDUIT	1.67	1 04:09	2.98	2.38
Culvert12a 1.00	CONDUIT	1.71	1 04:09	2.26	1.21
Culvert12c	CONDUIT	1.87	1 04:10	0.88	0.89

1.00							
	Ditch_77	CONDUIT	40.64	1	03:57	1.11	1.84
1.00							
	Ditch11	CONDUIT	1.69	1	04:07	0.57	0.01
0.43							
	Ditch12	CONDUIT	1.78	1	04:08	1.07	0.03
0.46							
	Ditch12a	CONDUIT	1.69	1	04:09	0.70	0.03
0.44							
	Ditch13	CONDUIT	2.88	1	04:06	0.07	0.25
0.88							
	Ditch14	CONDUIT	3.99	1	04:01	0.21	0.04
0.63							
	Ditch15	CONDUIT	4.80	1	04:15	1.53	0.24
0.54							
	Ditch16	CONDUIT	5.81	1	04:17	1.53	0.05
0.31							
	Ditch17	CONDUIT	6.83	1	04:17	0.78	0.02
0.31							
	Ditch18	CONDUIT	2.78	1	04:00	0.72	0.01
1.00							
	Ditch2	CONDUIT	0.00	0	00:00	0.00	0.00
0.02							
	Ditch3	CONDUIT	4.75	1	04:18	0.54	0.00
0.07							
	Ditch4_1	CONDUIT	8.18	1	04:05	0.64	0.01
0.06							
	Ditch4_2	CONDUIT	10.40	1	04:24	0.80	0.01
0.07							
	Ditch4_489	CONDUIT	37.24	1	04:18	1.21	0.42
0.50							
	Ditch5	CONDUIT	23.01	1	04:08	1.33	0.05
0.26							
	Ditch6	CONDUIT	28.93	1	04:15	1.90	0.52
0.21							
	Ditch7	CONDUIT	29.01	1	04:18	2.59	0.04
0.16							
	Ditch8	CONDUIT	35.68	1	04:17	4.21	0.04
0.27							
	Ditch9	CONDUIT	1.70	1	04:05	1.65	0.01
0.08							
	Facility73_to_Pond	CONDUIT	303.74	0	00:00	>50.00	87.74
1.00							
	Pipe_-(1)	CONDUIT	1.05	1	03:54	1.30	0.21
1.00							
	Pipe_-(10)	CONDUIT	5.66	1	03:54	0.83	1.06
1.00							
	Pipe_-(10)_-(1)	CONDUIT	5.91	1	03:54	0.94	0.44
1.00							
	Pipe_-(117)	CONDUIT	4.44	1	04:04	2.11	0.20
1.00							
	Pipe_-(118)	CONDUIT	3.12	1	04:04	3.93	0.31
1.00							

0.62	Pipe_-(119)	CONDUIT	2.17	1	04:01	3.66	0.13
0.35	Pipe_-(120)	CONDUIT	0.89	1	04:01	2.33	0.27
0.30	Pipe_-(122)	CONDUIT	0.64	1	04:01	2.07	0.13
0.27	Pipe_-(123)	CONDUIT	0.39	1	04:00	2.32	0.11
0.41	Pipe_-(124)	CONDUIT	0.90	1	04:00	2.97	0.37
0.34	Pipe_-(125)	CONDUIT	0.65	1	04:00	2.74	0.15
0.22	Pipe_-(126)	CONDUIT	0.39	1	04:00	2.97	0.08
0.33	Pipe_-(127)	CONDUIT	1.03	1	04:00	2.94	0.21
0.31	Pipe_-(128)	CONDUIT	0.39	1	04:00	1.88	0.11
0.28	Pipe_-(130)	CONDUIT	0.39	1	04:00	2.12	0.07
1.00	Pipe_-(133)	CONDUIT	1.59	1	04:00	2.02	0.32
1.00	Pipe_-(134)	CONDUIT	1.32	1	04:00	1.68	0.75
1.00	Pipe_-(135)	CONDUIT	1.06	1	04:00	1.35	0.61
1.00	Pipe_-(136)	CONDUIT	0.80	1	04:00	1.52	0.11
1.00	Pipe_-(137)	CONDUIT	0.66	1	03:44	1.84	0.10
1.00	Pipe_-(138)	CONDUIT	1.41	1	03:43	2.54	0.21
1.00	Pipe_-(153)	CONDUIT	0.77	1	18:32	0.99	0.22
1.00	Pipe_-(154)	CONDUIT	0.81	1	18:32	0.66	0.13
1.00	Pipe_-(155)	CONDUIT	0.89	1	04:05	0.51	0.11
1.00	Pipe_-(156)	CONDUIT	1.87	1	04:05	0.78	0.19
1.00	Pipe_-(157)	CONDUIT	2.73	1	04:05	1.14	0.25
1.00	Pipe_-(158)	CONDUIT	2.98	1	04:05	1.24	0.29
1.00	Pipe_-(159)	CONDUIT	3.82	1	18:28	1.59	0.26
1.00	Pipe_-(160)	CONDUIT	4.12	1	18:28	1.31	0.38
1.00	Pipe_-(161)	CONDUIT	4.19	1	18:27	1.41	0.39
1.00	Pipe_-(162)	CONDUIT	11.20	1	20:55	5.44	0.16
1.00	Pipe_-(163)	CONDUIT	23.66	1	04:05	2.00	0.17

1.00	Pipe_-(164)	CONDUIT	8.84	1	04:05	2.07	0.09
1.00	Pipe_-(165)	CONDUIT	4.95	1	04:05	1.58	0.25
1.00	Pipe_-(166)	CONDUIT	1.56	1	04:00	0.88	0.27
1.00	Pipe_-(167)	CONDUIT	1.55	1	03:59	1.00	0.15
1.00	Pipe_-(168)	CONDUIT	1.29	1	03:59	1.18	0.18
1.00	Pipe_-(169)	CONDUIT	1.04	1	04:00	0.59	0.14
1.00	Pipe_-(170)	CONDUIT	0.78	1	04:00	0.63	0.17
1.00	Pipe_-(171)	CONDUIT	0.66	1	03:21	0.67	0.29
1.00	Pipe_-(172)	CONDUIT	0.36	1	03:25	0.51	0.12
1.00	Pipe_-(18)	CONDUIT	0.16	1	03:19	0.21	0.02
1.00	Pipe_-(19)	CONDUIT	1.11	1	03:24	0.71	0.22
1.00	Pipe_-(196)	CONDUIT	3.50	1	04:05	2.18	0.07
1.00	Pipe_-(197)	CONDUIT	3.25	1	04:05	1.03	0.30
1.00	Pipe_-(198)	CONDUIT	3.01	1	04:05	0.96	0.19
1.00	Pipe_-(199)	CONDUIT	2.76	1	04:06	1.15	0.19
1.00	Pipe_-(2)	CONDUIT	1.79	1	03:54	1.81	0.35
1.00	Pipe_-(20)	CONDUIT	0.32	1	03:47	1.00	0.06
1.00	Pipe_-(200)	CONDUIT	2.55	1	04:05	1.06	0.25
1.00	Pipe_-(201)	CONDUIT	2.23	1	04:06	0.93	0.22
1.00	Pipe_-(202)	CONDUIT	1.65	1	04:06	0.69	0.16
1.00	Pipe_-(203)	CONDUIT	0.82	1	04:06	0.47	0.10
1.00	Pipe_-(204)	CONDUIT	0.76	1	18:35	0.62	0.12
1.00	Pipe_-(205)	CONDUIT	0.65	1	18:32	0.84	0.19
1.00	Pipe_-(206)	CONDUIT	3.97	1	04:05	1.27	0.07
1.00	Pipe_-(207)	CONDUIT	3.72	1	04:05	1.18	0.35
1.00	Pipe_-(208)	CONDUIT	3.40	1	04:04	1.08	0.18
1.00							



1.00	Pipe_-(209)	CONDUIT	3.07	1	04:05	0.98	0.18
1.00	Pipe_-(210)	CONDUIT	2.81	1	04:05	1.17	0.21
1.00	Pipe_-(211)	CONDUIT	2.13	1	04:05	0.88	0.17
1.00	Pipe_-(212)	CONDUIT	1.17	1	04:06	0.50	0.10
1.00	Pipe_-(213)	CONDUIT	0.92	1	04:06	0.38	0.08
1.00	Pipe_-(214)	CONDUIT	0.68	1	04:06	0.38	0.08
1.00	Pipe_-(215)	CONDUIT	0.44	1	04:06	0.36	0.09
1.00	Pipe_-(22)	CONDUIT	0.52	1	05:16	10.62	10.05
1.00	Pipe_-(221)	CONDUIT	10.87	1	04:05	2.04	0.11
1.00	Pipe_-(222)	CONDUIT	6.43	1	04:05	1.87	0.12
1.00	Pipe_-(223)	CONDUIT	3.06	1	04:07	1.37	0.12
1.00	Pipe_-(224)	CONDUIT	3.06	1	04:07	1.47	0.16
1.00	Pipe_-(225)	CONDUIT	2.66	1	04:06	0.85	0.13
1.00	Pipe_-(226)	CONDUIT	2.63	1	04:06	1.09	0.18
1.00	Pipe_-(227)	CONDUIT	2.29	1	04:06	0.95	0.23
1.00	Pipe_-(228)	CONDUIT	1.91	1	04:06	0.80	0.17
1.00	Pipe_-(229)	CONDUIT	1.37	1	04:06	0.64	0.14
1.00	Pipe_-(23)	CONDUIT	0.52	1	05:16	2.66	1.77
1.00	Pipe_-(230)	CONDUIT	0.58	1	04:06	0.35	0.07
1.00	Pipe_-(231)	CONDUIT	0.57	1	04:06	0.85	0.09
1.00	Pipe_-(232)	CONDUIT	0.33	1	04:06	0.42	0.10
1.00	Pipe_-(234)	CONDUIT	3.67	1	04:00	2.08	0.47
0.71	Pipe_-(235)	CONDUIT	2.45	1	04:00	1.83	0.21
0.40	Pipe_-(236)	CONDUIT	1.22	1	04:00	2.09	0.20
1.00	Pipe_-(237)	CONDUIT	12.90	1	20:57	5.81	0.15
1.00	Pipe_-(238)	CONDUIT	3.66	1	20:57	1.50	0.32
1.00	Pipe_-(239)	CONDUIT	2.94	1	18:28	1.33	0.19

1.00							
	Pipe_-(24)	CONDUIT	0.48	1	06:16	2.47	1.66
1.00							
	Pipe_-(240)	CONDUIT	2.68	1	04:06	1.11	0.18
1.00							
	Pipe_-(241)	CONDUIT	2.41	1	04:06	1.00	0.24
1.00							
	Pipe_-(242)	CONDUIT	2.09	1	04:05	0.87	0.19
1.00							
	Pipe_-(243)	CONDUIT	1.52	1	04:05	0.65	0.15
1.00							
	Pipe_-(244)	CONDUIT	0.81	1	18:32	0.46	0.10
1.00							
	Pipe_-(245)	CONDUIT	0.82	1	18:32	0.67	0.13
1.00							
	Pipe_-(246)	CONDUIT	0.66	1	18:32	0.85	0.19
1.00							
	Pipe_-(247)	CONDUIT	12.11	1	10:35	5.67	0.12
1.00							
	Pipe_-(248)	CONDUIT	4.40	1	04:05	1.40	0.41
1.00							
	Pipe_-(249)	CONDUIT	4.08	1	04:04	1.30	0.22
1.00							
	Pipe_-(25)	CONDUIT	0.45	1	07:13	2.31	1.56
1.00							
	Pipe_-(250)	CONDUIT	3.81	1	04:05	1.21	0.22
1.00							
	Pipe_-(251)	CONDUIT	3.55	1	04:05	1.48	0.26
1.00							
	Pipe_-(252)	CONDUIT	2.97	1	04:05	1.23	0.24
1.00							
	Pipe_-(253)	CONDUIT	2.20	1	04:00	0.92	0.19
1.00							
	Pipe_-(254)	CONDUIT	1.94	1	04:00	0.81	0.17
1.00							
	Pipe_-(255)	CONDUIT	1.68	1	04:00	0.95	0.21
1.00							
	Pipe_-(256)	CONDUIT	1.42	1	04:00	1.16	0.27
1.00							
	Pipe_-(257)	CONDUIT	1.17	1	04:00	1.49	0.42
1.00							
	Pipe_-(258)	CONDUIT	0.91	1	04:00	2.02	3.69
1.00							
	Pipe_-(259)	CONDUIT	0.65	1	04:00	1.77	0.24
1.00							
	Pipe_-(26)	CONDUIT	0.43	1	07:26	2.19	1.45
1.00							
	Pipe_-(260)	CONDUIT	0.26	1	04:00	2.05	0.49
1.00							
	Pipe_-(261)	CONDUIT	0.39	1	18:29	0.85	0.15
1.00							
	Pipe_-(264)	CONDUIT	0.38	1	04:01	1.79	0.14
0.23							

0.24	Pipe_-(265)	CONDUIT	0.64	1	04:00	1.93	0.13
0.24	Pipe_-(266)	CONDUIT	0.90	1	04:01	2.80	0.13
0.41	Pipe_-(267)	CONDUIT	1.94	1	04:05	3.07	0.13
0.77	Pipe_-(268)	CONDUIT	6.64	1	04:33	4.32	0.27
1.00	Pipe_-(27)	CONDUIT	0.42	1	15:05	2.15	1.47
0.61	Pipe_-(277)	CONDUIT	1.29	1	04:00	3.36	0.11
0.96	Pipe_-(278)	CONDUIT	0.39	1	04:00	0.50	0.11
1.00	Pipe_-(28)	CONDUIT	0.42	1	17:05	2.13	1.43
0.97	Pipe_-(285)	CONDUIT	0.65	1	04:00	0.83	0.20
0.20	Pipe_-(288)	CONDUIT	0.39	1	04:00	1.34	0.03
1.00	Pipe_-(29)	CONDUIT	0.42	1	19:32	2.12	1.43
0.58	Pipe_-(295)	CONDUIT	0.65	1	04:00	2.35	0.06
0.93	Pipe_-(296)	CONDUIT	0.39	1	04:00	0.51	0.12
1.00	Pipe_-(3)	CONDUIT	2.60	1	03:54	2.06	0.51
1.00	Pipe_-(30)	CONDUIT	0.41	1	21:16	2.11	1.43
1.00	Pipe_-(307)	CONDUIT	2.06	1	04:00	1.17	0.43
1.00	Pipe_-(308)	CONDUIT	6.47	1	04:00	3.66	1.39
0.89	Pipe_-(309)	CONDUIT	8.72	1	04:00	5.26	1.92
1.00	Pipe_-(31)	CONDUIT	0.41	1	21:57	2.10	1.42
0.69	Pipe_-(310)	CONDUIT	13.82	1	04:00	7.79	0.78
0.63	Pipe_-(311)	CONDUIT	18.35	1	04:00	5.64	0.54
0.76	Pipe_-(312)	CONDUIT	19.35	1	04:01	4.95	0.87
1.00	Pipe_-(313)	CONDUIT	2.25	1	04:00	1.84	1.54
1.00	Pipe_-(314)	CONDUIT	2.05	1	04:00	2.73	0.52
1.00	Pipe_-(319)	CONDUIT	1.98	1	04:03	10.11	1.42
1.00	Pipe_-(32)	CONDUIT	0.41	1	22:58	2.10	1.42
	Pipe_-(320)	CONDUIT	2.05	1	04:00	10.44	1.29

1.00							
Pipe_-(321)	CONDUIT	2.46	1	04:00	3.10	0.19	
0.62							
Pipe_-(322)	CONDUIT	2.25	1	04:00	2.49	0.45	
0.69							
Pipe_-(323)	CONDUIT	2.05	1	04:00	2.94	1.51	
0.83							
Pipe_-(327)	CONDUIT	2.46	1	04:00	1.73	0.45	
0.75							
Pipe_-(328)	CONDUIT	2.25	1	04:00	3.16	0.39	
0.58							
Pipe_-(329)	CONDUIT	2.05	1	04:00	4.30	0.45	
0.58							
Pipe_-(33)	CONDUIT	0.41	1	23:52	2.10	1.42	
1.00							
Pipe_-(331)	CONDUIT	2.05	1	04:00	6.02	0.36	
0.51							
Pipe_-(333)	CONDUIT	2.25	1	04:00	2.87	1.62	
1.00							
Pipe_-(334)	CONDUIT	2.05	1	04:00	4.88	0.25	
0.67							
Pipe_-(337)	CONDUIT	4.21	1	04:06	0.77	0.19	
0.48							
Pipe_-(338)	CONDUIT	3.68	1	04:06	1.00	0.16	
0.46							
Pipe_-(34)	CONDUIT	0.41	2	00:00	2.65	1.41	
1.00							
Pipe_-(340)	CONDUIT	0.82	1	04:00	0.52	0.02	
0.51							
Pipe_-(35)	CONDUIT	3.21	1	04:06	1.90	0.07	
0.26							
Pipe_-(358)	CONDUIT	2.11	1	03:45	4.94	0.22	
0.43							
Pipe_-(359)	CONDUIT	0.26	1	04:00	2.09	0.04	
0.24							
Pipe_-(36)	CONDUIT	6.99	1	04:06	3.10	0.14	
0.33							
Pipe_-(360)	CONDUIT	2.29	1	03:45	5.94	0.34	
0.55							
Pipe_-(361)	CONDUIT	0.26	1	04:00	2.20	0.20	
0.37							
Pipe_-(362)	CONDUIT	0.52	1	04:00	2.94	0.35	
0.51							
Pipe_-(363)	CONDUIT	0.78	1	04:00	3.79	0.61	
0.78							
Pipe_-(364)	CONDUIT	1.34	1	04:04	5.10	0.40	
0.83							
Pipe_-(365)	CONDUIT	1.80	1	04:04	7.50	0.15	
1.00							
Pipe_-(366)	CONDUIT	42.35	1	04:01	4.44	0.48	
1.00							
Pipe_-(367)	CONDUIT	42.36	1	04:01	5.23	0.80	
1.00							

0.82	Pipe_-(369)	CONDUIT	0.50	1	04:27	7.19	0.08
0.38	Pipe_-(37)	CONDUIT	9.79	1	04:06	4.16	0.20
1.00	Pipe_-(370)	CONDUIT	43.73	1	04:01	6.19	6.98
0.00	Pipe_-(374)	CONDUIT	0.00	0	00:00	0.00	0.00
0.11	Pipe_-(375)	CONDUIT	0.00	0	00:00	0.00	0.00
0.16	Pipe_-(376)	CONDUIT	0.26	1	04:00	1.77	0.06
1.00	Pipe_-(377)	CONDUIT	0.50	1	03:58	1.26	0.05
1.00	Pipe_-(378)	CONDUIT	2.08	1	03:55	5.35	0.12
1.00	Pipe_-(379)	CONDUIT	2.32	1	03:55	1.31	0.14
0.41	Pipe_-(38)	CONDUIT	10.41	1	04:06	6.24	0.21
0.60	Pipe_-(380)	CONDUIT	0.51	1	04:00	4.00	0.10
0.34	Pipe_-(381)	CONDUIT	0.26	1	04:00	6.32	0.01
1.00	Pipe_-(382)	CONDUIT	0.52	1	04:02	2.20	0.26
1.00	Pipe_-(383)	CONDUIT	0.26	1	04:00	3.03	0.13
0.79	Pipe_-(384)	CONDUIT	1.03	1	04:00	4.97	0.21
0.47	Pipe_-(385)	CONDUIT	0.77	1	04:00	4.79	0.45
0.34	Pipe_-(386)	CONDUIT	0.52	1	04:00	4.87	0.25
0.29	Pipe_-(387)	CONDUIT	0.26	1	04:00	3.13	0.12
0.57	Pipe_-(389)	CONDUIT	0.26	1	04:00	8.40	0.04
0.72	Pipe_-(39)	CONDUIT	11.93	1	04:00	3.45	0.08
0.54	Pipe_-(390)	CONDUIT	2.82	1	04:01	2.91	0.46
1.00	Pipe_-(4)	CONDUIT	3.36	1	03:54	2.01	0.31
1.00	Pipe_-(40)	CONDUIT	13.22	1	03:58	2.20	0.38
1.00	Pipe_-(404)	CONDUIT	0.59	1	03:59	1.07	0.08
1.00	Pipe_-(405)	CONDUIT	0.35	1	03:59	2.00	0.14
0.58	Pipe_-(408)	CONDUIT	20.06	1	05:52	6.88	0.33
	Pipe_-(409)	CONDUIT	13.40	1	12:47	7.53	0.32

0.70							
Pipe_-(41)	CONDUIT	20.15	1	04:05	3.14	0.35	
1.00							
Pipe_-(410)	CONDUIT	13.39	1	12:47	5.47	0.32	
0.58							
Pipe_-(411)	CONDUIT	13.37	1	12:46	6.30	0.32	
0.46							
Pipe_-(412)	CONDUIT	13.37	1	12:46	6.96	0.38	
0.42							
Pipe_-(42)	CONDUIT	20.75	1	04:04	2.39	0.43	
1.00							
Pipe_-(423)	CONDUIT	18.61	1	06:25	10.53	1.66	
1.00							
Pipe_-(424)	CONDUIT	18.59	1	06:28	10.52	1.68	
1.00							
Pipe_-(425)	CONDUIT	18.57	1	06:33	10.51	1.66	
1.00							
Pipe_-(426)	CONDUIT	22.68	0	00:00	13.01	2.02	
1.00							
Pipe_-(427)	CONDUIT	47.92	0	00:00	27.12	4.35	
1.00							
Pipe_-(429)	CONDUIT	5.21	1	03:40	5.01	1.85	
1.00							
Pipe_-(43)	CONDUIT	21.40	1	04:04	2.64	0.43	
1.00							
Pipe_-(430)	CONDUIT	5.06	1	03:40	3.68	1.69	
1.00							
Pipe_-(431)	CONDUIT	5.07	1	03:41	2.87	1.06	
1.00							
Pipe_-(432)	CONDUIT	5.11	1	03:41	2.34	0.78	
1.00							
Pipe_-(433)	CONDUIT	5.12	1	03:41	2.35	1.07	
1.00							
Pipe_-(434)	CONDUIT	19.59	1	04:28	8.98	1.43	
1.00							
Pipe_-(435)	CONDUIT	18.79	1	05:19	8.61	1.39	
1.00							
Pipe_-(436)	CONDUIT	18.73	1	05:42	8.59	1.24	
1.00							
Pipe_-(437)	CONDUIT	18.69	1	05:53	8.57	1.39	
1.00							
Pipe_-(438)	CONDUIT	18.65	1	06:09	8.55	1.36	
1.00							
Pipe_-(439)	CONDUIT	18.62	1	06:20	24.85	0.06	
1.00							
Pipe_-(44)	CONDUIT	21.64	1	04:04	3.18	0.44	
1.00							
Pipe_-(443)	CONDUIT	7.25	1	18:27	3.50	0.16	
0.97							
Pipe_-(444)	CONDUIT	4.24	1	18:27	4.25	0.26	
0.91							
Pipe_-(445)	CONDUIT	3.58	1	18:28	2.87	0.21	
0.85							

0.80	Pipe_-(446)	CONDUIT	2.66	1	18:28	2.37	0.15
1.00	Pipe_-(447)	CONDUIT	0.27	1	04:00	0.64	0.05
1.00	Pipe_-(448)	CONDUIT	0.52	1	04:00	0.79	0.09
1.00	Pipe_-(449)	CONDUIT	1.04	1	04:00	0.85	0.17
1.00	Pipe_-(45)	CONDUIT	21.88	1	04:04	1.54	0.37
1.00	Pipe_-(450)	CONDUIT	44.75	1	04:01	6.33	2.95
1.00	Pipe_-(452)	CONDUIT	4.97	1	03:44	3.20	6.09
1.00	Pipe_-(453)	CONDUIT	5.43	1	03:44	3.07	1.68
1.00	Pipe_-(454)	CONDUIT	5.95	1	03:44	3.37	2.02
1.00	Pipe_-(455)	CONDUIT	5.71	1	03:44	3.26	0.62
1.00	Pipe_-(456)	CONDUIT	5.19	1	03:44	3.01	0.99
1.00	Pipe_-(460)	CONDUIT	0.26	1	04:00	1.32	0.51
1.00	Pipe_-(461)	CONDUIT	38.68	1	03:54	5.47	25.00
1.00	Pipe_-(462)	CONDUIT	44.80	1	03:54	6.56	1.29
0.48	Pipe_-(467)	CONDUIT	23.13	1	04:05	4.16	0.56
1.00	Pipe_-(47)	CONDUIT	32.00	1	04:05	2.25	0.43
0.37	Pipe_-(474)	CONDUIT	1.54	1	04:00	2.63	0.25
1.00	Pipe_-(49)	CONDUIT	32.61	1	04:05	2.29	0.61
1.00	Pipe_-(5)	CONDUIT	4.05	1	03:54	1.92	0.37
1.00	Pipe_-(50)	CONDUIT	33.22	1	04:05	2.34	0.75
1.00	Pipe_-(51)	CONDUIT	37.12	1	04:04	2.61	4.63
1.00	Pipe_-(52)	CONDUIT	38.61	1	04:04	2.71	1.92
1.00	Pipe_-(53)	CONDUIT	38.61	1	04:04	2.71	0.72
0.53	Pipe_-(54)	CONDUIT	2.93	1	04:02	3.41	0.58
0.52	Pipe_-(55)	CONDUIT	2.55	1	04:01	2.77	0.51
0.49	Pipe_-(56)	CONDUIT	2.18	1	04:01	2.54	0.43
	Pipe_-(57)	CONDUIT	1.79	1	04:01	2.35	0.35

0.45							
Pipe_--(58)	CONDUIT	1.41	1	04:00	2.05	0.27	
0.41							
Pipe_--(59)	CONDUIT	1.03	1	04:00	1.72	0.20	
0.37							
Pipe_--(6)	CONDUIT	4.34	1	03:54	1.38	0.39	
1.00							
Pipe_--(60)	CONDUIT	0.64	1	04:00	1.48	0.13	
0.29							
Pipe_--(65)	CONDUIT	3.44	1	04:02	3.04	0.68	
0.68							
Pipe_--(66)	CONDUIT	3.16	1	04:03	4.02	0.19	
0.48							
Pipe_--(67)	CONDUIT	3.15	1	04:02	5.19	0.62	
0.38							
Pipe_--(68)	CONDUIT	2.30	1	04:02	2.89	0.45	
0.46							
Pipe_--(69)	CONDUIT	1.92	1	04:01	2.49	0.38	
0.45							
Pipe_--(7)	CONDUIT	4.58	1	03:54	1.10	0.27	
1.00							
Pipe_--(70)	CONDUIT	1.53	1	04:01	2.28	0.30	
0.41							
Pipe_--(71)	CONDUIT	1.15	1	04:01	2.07	0.23	
0.35							
Pipe_--(72)	CONDUIT	0.77	1	04:00	1.78	0.15	
0.29							
Pipe_--(73)	CONDUIT	0.39	1	04:00	1.40	0.12	
0.28							
Pipe_--(74)	CONDUIT	2.60	1	04:05	2.13	0.52	
0.80							
Pipe_--(75)	CONDUIT	2.21	1	04:06	2.21	0.43	
0.67							
Pipe_--(76)	CONDUIT	1.78	1	04:02	2.30	0.35	
0.53							
Pipe_--(77)	CONDUIT	1.41	1	04:01	2.19	0.28	
0.42							
Pipe_--(78)	CONDUIT	1.02	1	04:01	1.98	0.20	
0.33							
Pipe_--(79)	CONDUIT	0.64	1	04:00	1.65	0.13	
0.27							
Pipe_--(8)	CONDUIT	5.09	1	03:54	1.04	0.30	
1.00							
Pipe_--(80)	CONDUIT	0.26	1	04:00	1.13	0.08	
0.24							
Pipe_--(81)	CONDUIT	9.01	1	03:59	4.03	0.21	
0.87							
Pipe_--(82)	CONDUIT	8.51	1	03:59	2.89	0.58	
1.00							
Pipe_--(83)	CONDUIT	8.13	1	03:59	2.87	0.54	
1.00							
Pipe_--(84)	CONDUIT	7.37	1	04:00	2.88	0.52	
1.00							



1.00	Pipe_-(85)	CONDUIT	6.47	1	04:00	3.03	1.02
0.80	Pipe_-(87)	CONDUIT	5.73	1	04:00	4.06	0.22
0.53	Pipe_-(88)	CONDUIT	4.74	1	04:01	5.76	0.40
0.45	Pipe_-(89)	CONDUIT	4.10	1	04:01	4.08	0.38
1.00	Pipe_-(9)	CONDUIT	5.40	1	03:54	1.10	0.82
0.45	Pipe_-(90)	CONDUIT	3.46	1	04:01	3.39	0.62
0.55	Pipe_-(91)	CONDUIT	2.82	1	04:01	2.89	0.92
0.47	Pipe_-(92)	CONDUIT	2.18	1	04:01	2.71	0.35
0.39	Pipe_-(93)	CONDUIT	1.54	1	04:01	2.38	0.25
0.31	Pipe_-(94)	CONDUIT	0.90	1	04:01	1.92	0.14
0.23	Pipe_-(95)	CONDUIT	0.52	1	04:00	1.68	0.08
0.18	Pipe_-(96)	CONDUIT	0.26	1	04:00	1.20	0.04
0.22	Pipe_-(97)	CONDUIT	0.39	1	04:00	1.37	0.06
0.83	Pipe_PS_A	CONDUIT	7.28	1	03:44	5.81	0.08
1.00	Pipe_PS_B	CONDUIT	9.63	1	04:05	1.96	2.44
0.70	Pipe468	CONDUIT	24.97	1	03:57	11.25	4.00
1.00	Pipe483	CONDUIT	2.05	1	04:00	2.61	0.53
0.77	PSC_Overflow	CONDUIT	4.49	1	10:56	5.11	0.55
0.82	PSC_to_Outfall	CONDUIT	13.37	1	12:46	6.97	0.52
0.53	Roadside_Culvert	CONDUIT	1.70	1	04:05	2.66	0.10
1.00	SU1-2_Force1	CONDUIT	5.57	1	03:42	10.00	96.51
1.00	SU1-2_Force2_1	CONDUIT	5.57	1	03:42	7.19	1.56
0.88	SU1-2_Force2_2	CONDUIT	5.57	1	03:42	7.97	1.56
0.88	SU1-2_Force3	CONDUIT	5.57	1	04:14	7.88	0.82
0.09	SU1-2_SouthDitch	CONDUIT	2.07	1	04:02	1.64	0.00
1.00	SU67-FM1	CONDUIT	5.59	1	03:35	4.58	1.46
	SU67-FM2	CONDUIT	5.92	1	03:35	5.12	1.43



----- ----- 172_to_Inlet 0.00 0.00	1.00	0.01	0.15	0.00	0.84	0.00	0.00	0.00
278_to_PS_B 0.84 0.00	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00
381_to_PS77 0.00 0.00	1.00	0.44	0.00	0.00	0.34	0.00	0.01	0.21
458_to_Inlet 0.01 0.00	1.00	0.07	0.39	0.00	0.33	0.00	0.21	0.00
469_to_Inlet 0.22 0.00	1.00	0.00	0.00	0.00	0.83	0.00	0.00	0.17
C1_1 0.01 0.00	1.00	0.09	0.00	0.00	0.03	0.00	0.00	0.88
C1_2 0.01 0.00	1.00	0.13	0.00	0.00	0.87	0.00	0.00	0.00
Culvert11 0.00 0.21	1.00	0.00	0.00	0.00	0.81	0.18	0.00	0.00
Culvert12 0.00 0.23	1.00	0.01	0.00	0.00	0.98	0.00	0.00	0.00
Culvert12a 0.00 0.01	1.00	0.06	0.00	0.00	0.94	0.00	0.00	0.00
Culvert12c 0.00 0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
Ditch_77 0.07 0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
Ditch11 0.19 0.00	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00
Ditch12 0.00 0.00	1.00	0.10	0.00	0.00	0.33	0.00	0.00	0.58
Ditch12a 0.35 0.00	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00
Ditch13 0.00 0.00	1.00	0.11	0.00	0.00	0.89	0.00	0.00	0.00
Ditch14 0.79 0.00	1.00	0.00	0.14	0.00	0.86	0.00	0.00	0.00
Ditch15 0.00 0.00	1.00	0.22	0.00	0.00	0.00	0.00	0.00	0.78
Ditch16 0.00 0.00	1.00	0.11	0.00	0.00	0.00	0.00	0.00	0.89
Ditch17 0.81 0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
Ditch18 0.33 0.00	1.00	0.00	0.00	0.00	0.85	0.00	0.00	0.15
Ditch2 0.00 0.00	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00
Ditch3 0.69 0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
Ditch4_1 0.75 0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
Ditch4_2 0.06 0.00	1.00	0.06	0.00	0.00	0.94	0.00	0.00	0.00
Ditch4_489	1.00	0.21	0.00	0.00	0.69	0.00	0.00	0.10



Pipe_-(138)	1.00	0.00	0.00	0.00	0.53	0.47	0.00	0.00
0.60 0.00								
Pipe_-(153)	1.00	0.00	0.12	0.00	0.88	0.00	0.00	0.00
0.56 0.00								
Pipe_-(154)	1.00	0.00	0.14	0.00	0.86	0.00	0.00	0.00
0.52 0.00								
Pipe_-(155)	1.00	0.00	0.14	0.00	0.86	0.00	0.00	0.00
0.42 0.00								
Pipe_-(156)	1.00	0.00	0.13	0.00	0.87	0.00	0.00	0.00
0.35 0.00								
Pipe_-(157)	1.00	0.00	0.13	0.00	0.87	0.00	0.00	0.00
0.33 0.00								
Pipe_-(158)	1.00	0.00	0.12	0.00	0.87	0.00	0.00	0.00
0.26 0.00								
Pipe_-(159)	1.00	0.00	0.14	0.00	0.86	0.00	0.00	0.00
0.14 0.00								
Pipe_-(160)	1.00	0.00	0.00	0.00	0.87	0.00	0.00	0.13
0.01 0.00								
Pipe_-(161)	1.00	0.00	0.04	0.00	0.95	0.00	0.00	0.00
0.15 0.00								
Pipe_-(162)	1.00	0.16	0.00	0.00	0.79	0.00	0.00	0.04
0.02 0.00								
Pipe_-(163)	1.00	0.16	0.01	0.00	0.84	0.00	0.00	0.00
0.00 0.00								
Pipe_-(164)	1.00	0.16	0.02	0.00	0.81	0.00	0.00	0.00
0.03 0.00								
Pipe_-(165)	1.00	0.13	0.00	0.00	0.87	0.00	0.00	0.00
0.01 0.00								
Pipe_-(166)	1.00	0.01	0.05	0.00	0.94	0.00	0.00	0.00
0.16 0.00								
Pipe_-(167)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.13 0.00								
Pipe_-(168)	1.00	0.00	0.12	0.00	0.88	0.00	0.00	0.00
0.15 0.00								
Pipe_-(169)	1.00	0.00	0.12	0.00	0.88	0.00	0.00	0.00
0.38 0.00								
Pipe_-(170)	1.00	0.00	0.11	0.00	0.89	0.00	0.00	0.00
0.50 0.00								
Pipe_-(171)	1.00	0.11	0.06	0.00	0.82	0.00	0.00	0.00
0.04 0.00								
Pipe_-(172)	1.00	0.00	0.11	0.00	0.89	0.00	0.00	0.00
0.55 0.00								
Pipe_-(18)	1.00	0.00	0.37	0.00	0.63	0.00	0.00	0.00
0.33 0.00								
Pipe_-(19)	1.00	0.00	0.05	0.00	0.95	0.00	0.00	0.00
0.68 0.00								
Pipe_-(196)	1.00	0.01	0.12	0.00	0.87	0.00	0.00	0.00
0.02 0.00								
Pipe_-(197)	1.00	0.00	0.05	0.00	0.95	0.00	0.00	0.00
0.15 0.00								
Pipe_-(198)	1.00	0.05	0.08	0.00	0.87	0.00	0.00	0.00
0.08 0.00								
Pipe_-(199)	1.00	0.00	0.14	0.00	0.86	0.00	0.00	0.00



Pipe_-(228)	1.00	0.00	0.13	0.00	0.87	0.00	0.00	0.00
0.33 0.00								
Pipe_-(229)	1.00	0.00	0.13	0.00	0.87	0.00	0.00	0.00
0.35 0.00								
Pipe_-(23)	1.00	0.45	0.00	0.00	0.55	0.00	0.00	0.00
0.00 0.00								
Pipe_-(230)	1.00	0.00	0.15	0.00	0.85	0.00	0.00	0.00
0.41 0.00								
Pipe_-(231)	1.00	0.14	0.00	0.00	0.86	0.00	0.00	0.00
0.52 0.00								
Pipe_-(232)	1.00	0.00	0.12	0.00	0.88	0.00	0.00	0.00
0.56 0.00								
Pipe_-(234)	1.00	0.09	0.00	0.00	0.90	0.00	0.00	0.00
0.02 0.00								
Pipe_-(235)	1.00	0.09	0.02	0.00	0.89	0.00	0.00	0.00
0.03 0.00								
Pipe_-(236)	1.00	0.11	0.00	0.00	0.89	0.00	0.00	0.00
0.72 0.00								
Pipe_-(237)	1.00	0.16	0.00	0.00	0.84	0.00	0.00	0.00
0.05 0.00								
Pipe_-(238)	1.00	0.00	0.05	0.00	0.95	0.00	0.00	0.00
0.16 0.00								
Pipe_-(239)	1.00	0.05	0.08	0.00	0.87	0.00	0.00	0.00
0.08 0.00								
Pipe_-(24)	1.00	0.45	0.00	0.00	0.55	0.00	0.00	0.00
0.00 0.00								
Pipe_-(240)	1.00	0.00	0.14	0.00	0.86	0.00	0.00	0.00
0.14 0.00								
Pipe_-(241)	1.00	0.00	0.12	0.00	0.87	0.00	0.00	0.00
0.26 0.00								
Pipe_-(242)	1.00	0.00	0.13	0.00	0.87	0.00	0.00	0.00
0.33 0.00								
Pipe_-(243)	1.00	0.00	0.13	0.00	0.87	0.00	0.00	0.00
0.35 0.00								
Pipe_-(244)	1.00	0.00	0.14	0.00	0.86	0.00	0.00	0.00
0.41 0.00								
Pipe_-(245)	1.00	0.00	0.14	0.00	0.86	0.00	0.00	0.00
0.52 0.00								
Pipe_-(246)	1.00	0.00	0.12	0.00	0.88	0.00	0.00	0.00
0.56 0.00								
Pipe_-(247)	1.00	0.16	0.00	0.00	0.84	0.00	0.00	0.00
0.05 0.00								
Pipe_-(248)	1.00	0.00	0.05	0.00	0.95	0.00	0.00	0.00
0.15 0.00								
Pipe_-(249)	1.00	0.05	0.09	0.00	0.87	0.00	0.00	0.00
0.07 0.00								
Pipe_-(25)	1.00	0.45	0.00	0.00	0.55	0.00	0.00	0.00
0.00 0.00								
Pipe_-(250)	1.00	0.00	0.13	0.00	0.87	0.00	0.00	0.00
0.09 0.00								
Pipe_-(251)	1.00	0.00	0.13	0.00	0.87	0.00	0.00	0.00
0.32 0.00								
Pipe_-(252)	1.00	0.00	0.13	0.00	0.87	0.00	0.00	0.00





Pipe_-(307)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.92 0.00								
Pipe_-(308)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.90 0.00								
Pipe_-(309)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(31)	1.00	0.45	0.00	0.00	0.54	0.00	0.00	0.00
0.00 0.00								
Pipe_-(310)	1.00	0.00	0.00	0.00	0.00	0.15	0.00	0.85
0.09 0.00								
Pipe_-(311)	1.00	0.08	0.03	0.00	0.87	0.01	0.00	0.00
0.83 0.00								
Pipe_-(312)	1.00	0.00	0.08	0.00	0.92	0.00	0.00	0.00
0.94 0.00								
Pipe_-(313)	1.00	0.00	0.11	0.00	0.88	0.00	0.00	0.00
0.29 0.00								
Pipe_-(314)	1.00	0.00	0.00	0.00	0.89	0.00	0.00	0.11
0.84 0.00								
Pipe_-(319)	1.00	0.00	0.11	0.00	0.85	0.04	0.00	0.00
0.82 0.00								
Pipe_-(32)	1.00	0.46	0.00	0.00	0.54	0.00	0.00	0.00
0.00 0.00								
Pipe_-(320)	1.00	0.00	0.11	0.00	0.84	0.04	0.00	0.00
0.82 0.00								
Pipe_-(321)	1.00	0.00	0.13	0.00	0.87	0.00	0.00	0.00
0.84 0.00								
Pipe_-(322)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.15 0.00								
Pipe_-(323)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.72 0.00								
Pipe_-(327)	1.00	0.00	0.12	0.00	0.88	0.00	0.00	0.00
0.66 0.00								
Pipe_-(328)	1.00	0.12	0.00	0.00	0.04	0.02	0.00	0.82
0.04 0.00								
Pipe_-(329)	1.00	0.00	0.12	0.00	0.84	0.04	0.00	0.00
0.84 0.00								
Pipe_-(33)	1.00	0.43	0.02	0.00	0.54	0.00	0.00	0.00
0.01 0.00								
Pipe_-(331)	1.00	0.12	0.00	0.00	0.00	0.03	0.00	0.86
0.02 0.00								
Pipe_-(333)	1.00	0.11	0.00	0.00	0.78	0.00	0.00	0.11
0.03 0.00								
Pipe_-(334)	1.00	0.00	0.00	0.00	0.04	0.06	0.00	0.90
0.07 0.00								
Pipe_-(337)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.15 0.00								
Pipe_-(338)	1.00	0.00	0.15	0.00	0.77	0.00	0.08	0.00
0.38 0.00								
Pipe_-(34)	1.00	0.00	0.43	0.00	0.57	0.00	0.00	0.00
0.00 0.00								
Pipe_-(340)	1.00	0.08	0.05	0.00	0.86	0.00	0.00	0.00
0.83 0.00								
Pipe_-(35)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00



Pipe_-(385)	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00
0.00 0.00								
Pipe_-(386)	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00
0.00 0.00								
Pipe_-(387)	1.00	0.00	0.00	0.00	0.18	0.82	0.00	0.00
0.99 0.00								
Pipe_-(389)	1.00	0.00	0.00	0.00	0.55	0.00	0.00	0.45
0.42 0.00								
Pipe_-(39)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.98 0.00								
Pipe_-(390)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.93 0.00								
Pipe_-(4)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.72 0.00								
Pipe_-(40)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.14 0.00								
Pipe_-(404)	1.00	0.00	0.03	0.00	0.95	0.02	0.00	0.00
0.56 0.00								
Pipe_-(405)	1.00	0.15	0.00	0.00	0.55	0.00	0.00	0.31
0.16 0.00								
Pipe_-(408)	1.00	0.16	0.00	0.00	0.00	0.84	0.00	0.00
0.00 0.00								
Pipe_-(409)	1.00	0.16	0.33	0.00	0.47	0.04	0.00	0.00
0.11 0.00								
Pipe_-(41)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.70 0.00								
Pipe_-(410)	1.00	0.47	0.02	0.00	0.40	0.11	0.00	0.00
0.11 0.00								
Pipe_-(411)	1.00	0.44	0.03	0.00	0.11	0.41	0.00	0.00
0.13 0.00								
Pipe_-(412)	1.00	0.48	0.00	0.00	0.11	0.41	0.00	0.00
0.37 0.00								
Pipe_-(42)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.22 0.00								
Pipe_-(423)	1.00	0.00	0.00	0.00	0.99	0.00	0.00	0.00
0.00 0.00								
Pipe_-(424)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(425)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(426)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(427)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(429)	1.00	0.04	0.00	0.00	0.96	0.00	0.00	0.00
0.08 0.00								
Pipe_-(43)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.28 0.00								
Pipe_-(430)	1.00	0.05	0.00	0.00	0.95	0.00	0.00	0.00
0.03 0.00								
Pipe_-(431)	1.00	0.06	0.00	0.00	0.94	0.00	0.00	0.00
0.32 0.00								
Pipe_-(432)	1.00	0.06	0.00	0.00	0.94	0.00	0.00	0.00



Pipe_-(47)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.57 0.00								
Pipe_-(474)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.03 0.00								
Pipe_-(49)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.47 0.00								
Pipe_-(5)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.67 0.00								
Pipe_-(50)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.16 0.00								
Pipe_-(51)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(52)	1.00	0.12	0.00	0.00	0.88	0.00	0.00	0.00
0.00 0.00								
Pipe_-(53)	1.00	0.12	0.00	0.00	0.61	0.00	0.00	0.26
0.03 0.00								
Pipe_-(54)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.38 0.00								
Pipe_-(55)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.92 0.00								
Pipe_-(56)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.98 0.00								
Pipe_-(57)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.93 0.00								
Pipe_-(58)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.94 0.00								
Pipe_-(59)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.95 0.00								
Pipe_-(6)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.53 0.00								
Pipe_-(60)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
1.00 0.00								
Pipe_-(65)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.40 0.00								
Pipe_-(66)	1.00	0.00	0.00	0.00	0.99	0.01	0.00	0.00
0.99 0.00								
Pipe_-(67)	1.00	0.00	0.00	0.00	0.51	0.49	0.00	0.00
0.00 0.00								
Pipe_-(68)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.85 0.00								
Pipe_-(69)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.97 0.00								
Pipe_-(7)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.62 0.00								
Pipe_-(70)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.98 0.00								
Pipe_-(71)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
1.00 0.00								
Pipe_-(72)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
1.00 0.00								
Pipe_-(73)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.99 0.00								
Pipe_-(74)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00



Pipe468	1.00	0.00	0.00	0.00	0.14	0.86	0.00	0.00
0.00 0.00								
Pipe483	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.21 0.00								
PSC_Overflow	1.00	0.45	0.37	0.00	0.19	0.00	0.00	0.00
0.36 0.00								
PSC_to_Outfall	1.00	0.48	0.00	0.00	0.41	0.11	0.00	0.00
0.11 0.00								
Roadside_Culvert	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.39 0.00								
SU1-2_Force1	1.00	0.16	0.00	0.00	0.81	0.03	0.00	0.00
0.00 0.00								
SU1-2_Force2_1	1.00	0.16	0.00	0.00	0.70	0.14	0.00	0.00
0.69 0.00								
SU1-2_Force2_2	1.00	0.16	0.00	0.00	0.06	0.78	0.00	0.00
0.00 0.00								
SU1-2_Force3	1.00	0.16	0.00	0.00	0.45	0.39	0.00	0.00
0.67 0.00								
SU1-2_SouthDitch	1.00	0.09	0.00	0.00	0.03	0.00	0.00	0.87
0.02 0.00								
SU67-FM1	1.00	0.19	0.01	0.00	0.76	0.03	0.00	0.00
0.64 0.00								
SU67-FM2	1.00	0.17	0.02	0.00	0.78	0.03	0.00	0.00
0.65 0.00								
SU67-FM3	1.00	0.17	0.00	0.00	0.40	0.43	0.00	0.00
0.00 0.00								
SU67-FM4	1.00	0.17	0.00	0.00	0.09	0.74	0.00	0.00
0.77 0.00								
SU67-FM5	1.00	0.17	0.00	0.00	0.37	0.46	0.00	0.00
0.58 0.00								
SU67-FM6	1.00	0.17	0.00	0.00	0.22	0.61	0.00	0.00
0.13 0.00								
SU67-FM7	1.00	0.16	0.03	0.00	0.60	0.21	0.00	0.00
0.75 0.00								
SU6-E	1.00	0.09	0.00	0.00	0.08	0.00	0.00	0.83
0.04 0.00								
SU6-SU7_1	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
SU6-SU7_2	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
SU6-W	1.00	0.09	0.00	0.00	0.08	0.00	0.00	0.83
0.06 0.00								
SU7-Culvert	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
SU7-W	1.00	0.09	0.00	0.00	0.07	0.00	0.00	0.84
0.02 0.00								
UDitch_Single	1.00	0.06	0.00	0.00	0.94	0.00	0.00	0.00
0.59 0.00								
UDitch_Transition	1.00	0.19	0.00	0.00	0.81	0.00	0.00	0.00
0.49 0.00								

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# Conduit Surcharge Summary

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Conduit	----- Both Ends	Hours Full Upstream	----- Dnstream	Hours Above Full Normal Flow	Hours Capacity Limited
172_to_Inlet	37.59	37.59	39.24	0.01	0.01
278_to_PS_B	0.01	0.01	12.67	0.01	0.01
381_to_PS77	0.01	0.01	0.01	0.01	0.01
458_to_Inlet	0.96	0.96	20.41	0.01	0.01
469_to_Inlet	16.28	16.28	37.90	0.01	0.01
C1_2	31.67	31.67	39.25	0.01	0.01
Culvert12	4.33	4.34	4.38	1.18	0.27
Culvert12a	4.65	4.65	4.71	0.23	0.01
Culvert12c	5.37	5.37	5.37	0.01	0.36
Ditch_77	20.58	20.58	20.59	0.97	1.37
Ditch14	0.01	0.01	0.54	0.01	0.01
Ditch18	4.03	4.03	11.05	0.01	0.01
Facility73_to_Pond	48.00	48.00	48.00	11.14	10.77
Pipe_-(1)	0.79	0.79	0.93	0.01	0.01
Pipe_-(10)	7.62	7.62	7.92	0.01	0.29
Pipe_-(10)_-(1)	7.92	7.92	8.21	0.01	0.78
Pipe_-(117)	0.32	0.32	14.84	0.01	0.01
Pipe_-(118)	0.01	0.01	0.32	0.01	0.01
Pipe_-(119)	0.01	0.01	0.01	0.01	0.01
Pipe_-(133)	19.09	19.09	20.14	0.01	0.01
Pipe_-(134)	18.33	18.33	19.09	0.01	0.02
Pipe_-(135)	17.65	17.65	18.33	0.01	0.03
Pipe_-(136)	13.90	13.90	17.65	0.01	0.01
Pipe_-(137)	10.37	10.37	13.90	0.01	0.01
Pipe_-(138)	7.33	7.33	10.37	0.01	0.01
Pipe_-(153)	9.21	9.21	14.16	0.01	0.01
Pipe_-(154)	12.68	12.68	14.78	0.01	0.01
Pipe_-(155)	13.94	13.94	16.09	0.01	0.01
Pipe_-(156)	14.69	14.69	16.62	0.01	0.01
Pipe_-(157)	15.61	15.61	19.21	0.01	0.01
Pipe_-(158)	18.03	18.03	22.07	0.01	0.01
Pipe_-(159)	20.70	20.70	24.36	0.01	0.01
Pipe_-(160)	23.54	23.54	24.82	0.01	0.01
Pipe_-(161)	26.24	26.24	30.17	0.01	0.01
Pipe_-(162)	22.63	22.63	30.76	0.01	0.01
Pipe_-(163)	36.38	36.38	37.59	0.01	0.01
Pipe_-(164)	19.47	19.47	37.37	0.01	0.01
Pipe_-(165)	31.04	31.04	36.03	0.01	0.01
Pipe_-(166)	34.82	34.82	35.86	0.01	0.01
Pipe_-(167)	24.23	24.23	34.82	0.01	0.01
Pipe_-(168)	20.18	20.18	24.23	0.01	0.01
Pipe_-(169)	14.66	14.66	20.71	0.01	0.01
Pipe_-(170)	13.65	13.65	15.68	0.01	0.01
Pipe_-(171)	13.00	13.00	13.65	0.01	0.01
Pipe_-(172)	11.23	11.23	38.35	0.01	0.01



Pipe_-(18)	13.14	13.14	13.85	0.01	0.01
Pipe_-(19)	11.30	11.30	13.67	0.01	0.01
Pipe_-(196)	25.42	25.42	33.47	0.01	0.01
Pipe_-(197)	26.23	26.23	30.18	0.01	0.01
Pipe_-(198)	22.84	22.84	26.23	0.01	0.01
Pipe_-(199)	20.71	20.71	24.37	0.01	0.01
Pipe_-(2)	0.93	0.93	1.70	0.01	0.01
Pipe_-(20)	8.35	8.35	11.30	0.01	0.01
Pipe_-(200)	18.04	18.04	22.08	0.01	0.01
Pipe_-(201)	15.91	15.91	19.22	0.01	0.01
Pipe_-(202)	14.69	14.69	16.96	0.01	0.01
Pipe_-(203)	13.92	13.92	16.06	0.01	0.01
Pipe_-(204)	12.63	12.63	14.79	0.01	0.01
Pipe_-(205)	9.16	9.16	14.15	0.01	0.01
Pipe_-(206)	31.92	31.92	36.03	0.01	0.01
Pipe_-(207)	33.40	33.40	34.48	0.01	0.01
Pipe_-(208)	23.51	23.51	33.40	0.01	0.01
Pipe_-(209)	22.02	22.02	24.33	0.01	0.01
Pipe_-(210)	16.78	16.78	23.55	0.01	0.01
Pipe_-(211)	14.88	14.88	18.69	0.01	0.01
Pipe_-(212)	14.08	14.08	15.24	0.01	0.01
Pipe_-(213)	12.65	12.65	14.31	0.01	0.01
Pipe_-(214)	11.70	11.70	13.87	0.01	0.01
Pipe_-(215)	9.34	9.34	13.44	0.01	0.01
Pipe_-(22)	20.18	20.19	20.18	20.19	20.18
Pipe_-(221)	25.00	25.00	37.32	0.01	0.01
Pipe_-(222)	27.04	27.04	36.65	0.01	0.01
Pipe_-(223)	24.52	24.52	36.05	0.01	0.01
Pipe_-(224)	24.00	24.00	30.80	0.01	0.01
Pipe_-(225)	22.85	22.85	33.75	0.01	0.01
Pipe_-(226)	20.72	20.72	24.37	0.01	0.01
Pipe_-(227)	18.00	18.00	22.08	0.01	0.01
Pipe_-(228)	15.56	15.56	19.18	0.01	0.01
Pipe_-(229)	14.64	14.64	16.66	0.01	0.01
Pipe_-(23)	20.06	20.08	20.06	20.09	20.06
Pipe_-(230)	13.93	13.93	16.02	0.01	0.01
Pipe_-(231)	12.31	12.31	14.79	0.01	0.01
Pipe_-(232)	9.30	9.30	14.06	0.01	0.01
Pipe_-(234)	1.20	1.20	39.87	0.01	0.01
Pipe_-(235)	0.01	0.01	1.20	0.01	0.01
Pipe_-(237)	23.42	23.42	36.05	0.01	0.01
Pipe_-(238)	26.24	26.24	30.50	0.01	0.01
Pipe_-(239)	22.84	22.84	26.24	0.01	0.01
Pipe_-(24)	19.98	20.06	19.98	20.08	19.98
Pipe_-(240)	20.70	20.70	24.37	0.01	0.01
Pipe_-(241)	18.03	18.03	22.08	0.01	0.01
Pipe_-(242)	15.55	15.55	19.23	0.01	0.01
Pipe_-(243)	14.66	14.66	16.59	0.01	0.01
Pipe_-(244)	13.95	13.95	16.08	0.01	0.01
Pipe_-(245)	12.68	12.68	14.84	0.01	0.01
Pipe_-(246)	9.31	9.31	14.21	0.01	0.01
Pipe_-(247)	23.76	23.76	37.08	0.01	0.01
Pipe_-(248)	33.41	33.41	34.50	0.01	0.01

Pipe_-(249)	23.52	23.52	33.41	0.01	0.01
Pipe_-(25)	19.79	19.98	19.79	20.01	19.79
Pipe_-(250)	22.03	22.03	24.32	0.01	0.01
Pipe_-(251)	16.78	16.78	23.55	0.01	0.01
Pipe_-(252)	14.89	14.89	18.69	0.01	0.01
Pipe_-(253)	14.09	14.09	15.28	0.01	0.01
Pipe_-(254)	12.67	12.67	14.32	0.01	0.01
Pipe_-(255)	11.82	11.82	13.86	0.01	0.01
Pipe_-(256)	8.51	8.51	13.44	0.01	0.01
Pipe_-(257)	7.02	7.02	11.76	0.01	0.01
Pipe_-(258)	7.01	7.04	7.02	2.12	2.89
Pipe_-(259)	2.00	2.00	6.87	0.01	0.01
Pipe_-(26)	19.73	19.79	19.73	19.85	19.73
Pipe_-(260)	5.06	5.06	7.15	0.01	0.01
Pipe_-(261)	1.66	1.66	7.04	0.01	0.01
Pipe_-(27)	19.68	19.73	19.68	19.94	19.68
Pipe_-(277)	0.01	0.01	0.12	0.01	0.01
Pipe_-(278)	0.01	0.01	39.54	0.01	0.01
Pipe_-(28)	19.55	19.68	19.55	19.69	19.55
Pipe_-(285)	0.01	0.01	39.54	0.01	0.01
Pipe_-(29)	19.42	19.55	19.42	19.26	19.42
Pipe_-(295)	0.01	0.01	0.41	0.01	0.01
Pipe_-(296)	0.01	0.01	39.46	0.01	0.01
Pipe_-(3)	1.70	1.70	2.54	0.01	0.01
Pipe_-(30)	19.42	19.42	19.45	19.05	19.41
Pipe_-(307)	0.01	0.01	0.28	0.01	0.01
Pipe_-(308)	0.20	0.28	0.20	0.75	0.20
Pipe_-(309)	0.01	0.20	0.01	1.25	0.01
Pipe_-(31)	19.45	19.45	19.46	18.86	19.25
Pipe_-(313)	0.65	0.67	0.65	0.90	0.65
Pipe_-(314)	0.08	0.08	1.33	0.01	0.01
Pipe_-(319)	0.98	0.98	2.53	0.83	0.83
Pipe_-(32)	18.36	19.46	18.38	18.74	18.21
Pipe_-(320)	0.77	0.77	2.63	0.58	0.58
Pipe_-(323)	0.01	0.05	0.01	0.87	0.01
Pipe_-(33)	15.63	18.38	16.12	18.62	15.38
Pipe_-(333)	0.82	0.84	0.82	0.99	0.82
Pipe_-(334)	0.01	0.01	0.29	0.01	0.01
Pipe_-(34)	0.71	16.13	1.10	18.43	0.35
Pipe_-(363)	0.01	0.01	0.01	0.01	0.01
Pipe_-(364)	0.01	0.01	0.22	0.01	0.01
Pipe_-(365)	0.22	0.22	20.50	0.01	0.01
Pipe_-(366)	17.31	17.31	20.31	0.01	0.01
Pipe_-(367)	17.31	17.31	20.30	0.01	0.01
Pipe_-(369)	0.01	0.01	20.40	0.01	0.01
Pipe_-(370)	20.35	20.35	20.39	8.12	10.07
Pipe_-(377)	2.20	2.20	11.18	0.01	0.01
Pipe_-(378)	10.39	10.39	20.29	0.01	0.01
Pipe_-(379)	20.29	20.29	20.56	0.01	0.01
Pipe_-(380)	0.01	0.01	8.43	0.01	0.01
Pipe_-(382)	10.94	10.94	20.10	0.01	0.01
Pipe_-(383)	4.54	4.54	10.94	0.01	0.01
Pipe_-(384)	0.01	0.01	5.19	0.01	0.01

Pipe_-(389)	0.01	0.01	15.92	0.01	0.01
Pipe_-(39)	0.01	0.01	0.26	0.01	0.01
Pipe_-(4)	1.03	1.03	1.89	0.01	0.01
Pipe_-(40)	0.26	0.26	0.31	0.01	0.01
Pipe_-(404)	10.92	10.92	20.78	0.01	0.01
Pipe_-(405)	7.13	7.13	9.75	0.01	0.01
Pipe_-(41)	0.31	0.31	0.81	0.01	0.01
Pipe_-(42)	0.81	0.81	0.98	0.01	0.01
Pipe_-(423)	47.73	47.73	47.79	9.62	10.03
Pipe_-(424)	47.79	47.79	47.96	9.67	10.10
Pipe_-(425)	47.96	47.96	47.99	9.66	9.90
Pipe_-(426)	47.99	47.99	48.00	9.69	10.14
Pipe_-(427)	48.00	48.00	48.00	9.73	9.76
Pipe_-(429)	20.32	20.32	20.32	0.15	7.41
Pipe_-(43)	0.98	0.98	1.02	0.01	0.07
Pipe_-(430)	20.32	20.32	20.32	0.14	4.18
Pipe_-(431)	20.32	20.32	20.36	0.05	0.06
Pipe_-(432)	20.34	20.34	20.35	0.01	0.08
Pipe_-(433)	20.35	20.35	20.41	0.05	0.02
Pipe_-(434)	47.77	47.77	47.86	9.48	9.76
Pipe_-(435)	47.86	47.86	47.86	9.45	9.85
Pipe_-(436)	47.86	47.86	47.89	9.26	9.50
Pipe_-(437)	47.89	47.89	47.90	9.37	9.77
Pipe_-(438)	47.90	47.90	47.94	9.27	9.42
Pipe_-(439)	47.72	47.72	47.94	0.01	0.01
Pipe_-(44)	1.02	1.02	1.07	0.01	0.01
Pipe_-(443)	0.01	0.01	16.28	0.01	0.01
Pipe_-(447)	20.52	20.52	20.53	0.01	0.01
Pipe_-(448)	20.53	20.53	20.58	0.01	0.01
Pipe_-(449)	20.58	20.58	20.62	0.01	0.01
Pipe_-(45)	1.70	1.70	5.21	0.01	0.01
Pipe_-(450)	20.32	20.32	20.35	4.33	3.33
Pipe_-(452)	20.25	20.25	20.32	0.15	2.30
Pipe_-(453)	20.25	20.25	20.25	0.01	0.37
Pipe_-(454)	20.25	20.25	20.25	0.01	0.34
Pipe_-(455)	20.24	20.24	20.25	0.01	0.01
Pipe_-(456)	20.23	20.23	20.24	0.01	3.09
Pipe_-(460)	20.95	20.95	25.17	0.01	0.01
Pipe_-(461)	20.30	20.30	20.31	17.60	13.64
Pipe_-(462)	20.11	20.11	20.31	0.53	0.01
Pipe_-(47)	5.21	5.21	9.42	0.01	0.01
Pipe_-(49)	9.42	9.42	11.18	0.01	0.01
Pipe_-(5)	1.89	1.89	7.98	0.01	0.01
Pipe_-(50)	11.18	11.18	12.18	0.01	0.01
Pipe_-(51)	12.13	12.18	12.16	2.19	3.30
Pipe_-(52)	11.00	11.01	11.11	1.26	1.15
Pipe_-(53)	11.11	11.11	12.75	0.01	0.01
Pipe_-(6)	7.98	7.98	10.80	0.01	0.01
Pipe_-(7)	6.43	6.43	8.98	0.01	0.01
Pipe_-(8)	8.98	8.98	10.99	0.01	0.01
Pipe_-(81)	0.01	0.01	5.04	0.01	0.01
Pipe_-(82)	0.40	0.40	0.46	0.01	0.01
Pipe_-(83)	0.26	0.26	0.40	0.01	0.01

Pipe_-(84)	0.20	0.20	0.26	0.01	0.01
Pipe_-(85)	0.35	0.35	0.40	0.01	0.02
Pipe_-(87)	0.01	0.01	0.35	0.01	0.01
Pipe_-(9)	10.99	10.99	11.45	0.01	0.06
Pipe_PS_A	0.01	0.01	20.23	0.01	0.01
Pipe_PS_B	11.72	11.73	11.82	1.38	1.30
Pipe468	0.01	0.01	0.01	1.95	0.01
Pipe483	2.10	2.10	27.28	0.01	0.01
PSC_Overflow	0.01	0.01	17.44	0.01	0.01
PSC_to_Outfall	0.01	13.12	0.01	0.01	0.01
SU1-2_Force1	1.90	4.73	1.90	16.16	1.90
SU1-2_Force2_1	1.88	1.90	1.98	1.74	1.78
SU1-2_Force2_2	0.01	1.98	0.01	1.71	0.01
SU1-2_Force3	0.01	0.01	13.46	0.01	0.01
SU67-FM1	2.96	3.05	2.96	3.05	2.96
SU67-FM2	2.94	2.96	2.94	3.00	2.94
SU67-FM3	0.01	2.94	0.01	3.14	0.01
SU67-FM7	0.01	0.01	10.82	0.01	0.01
SU6-SU7_1	26.19	26.19	29.50	0.01	0.01
SU6-SU7_2	30.74	30.74	39.60	0.01	0.01
SU7-Culvert	25.86	25.86	29.50	0.01	0.01

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Pumping Summary  
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Total	Power	% Time Off		Number of	Min	Avg	Max
Volume	Usage	Percent		Start-Ups	Flow	Flow	Flow
Pump	Kw-hr	Pump Curve			CFS	CFS	CFS
10^6 gal		Low	High				
004Pump1		42.07		1	0.00	0.47	1.36
0.253	20.76	0.0	0.0				
77Pump1		19.91		2	0.00	18.86	22.28
4.855	687.06	0.0	4.4				
77Pump2		0.00		0	0.00	0.00	0.00
0.000	0.00	0.0	0.0				
CPump1		25.86		11	0.00	6.69	6.68
2.235	274.68	0.0	0.0				
CPump2		24.38		2	0.00	6.69	6.68
2.107	267.10	0.0	0.0				
PumpSU7-1		14.27		27	0.00	4.12	5.57
0.742	20.60	0.0	0.0				
SU1-2_Pump		12.52		79	0.00	3.58	5.57
0.569	21.71	0.0	0.0				

Analysis begun on: Tue Aug 16 14:17:48 2022  
Analysis ended on: Tue Aug 16 14:19:40 2022  
Total elapsed time: 00:01:52

EPA STORM WATER MANAGEMENT MODEL - VERSION 5.1 (Build 5.1.015)

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WARNING 09: time series interval greater than recording interval for Rain Gage Null

- WARNING 08: elevation drop exceeds length for Conduit 172\_to\_Inlet
- WARNING 04: minimum elevation drop used for Conduit 381\_to\_PS77
- WARNING 08: elevation drop exceeds length for Conduit 458\_to\_Inlet
- WARNING 08: elevation drop exceeds length for Conduit 469\_to\_Inlet
- WARNING 04: minimum elevation drop used for Conduit Culvert12c
- WARNING 04: minimum elevation drop used for Conduit Ditch13
- WARNING 04: minimum elevation drop used for Conduit Ditch4\_489
- WARNING 04: minimum elevation drop used for Conduit Ditch6
- WARNING 04: minimum elevation drop used for Conduit Facility73\_to\_Pond
- WARNING 04: minimum elevation drop used for Conduit Pipe\_-(258)
- WARNING 04: minimum elevation drop used for Conduit Pipe\_-(374)
- WARNING 04: minimum elevation drop used for Conduit Pipe\_-(461)
- WARNING 04: minimum elevation drop used for Conduit SU1-2\_Force1
- WARNING 02: maximum depth increased for Node Culvert\_Ditch12c
- WARNING 02: maximum depth increased for Node Ditch17\_5\_6
- WARNING 02: maximum depth increased for Node Ditch6\_7
- WARNING 02: maximum depth increased for Node Ditch7\_8
- WARNING 02: maximum depth increased for Node Roadside\_Connection
- WARNING 02: maximum depth increased for Node Structure\_-(489)
- WARNING 02: maximum depth increased for Node SU1-2\_Central
- WARNING 02: maximum depth increased for Node SU6-1NE
- WARNING 02: maximum depth increased for Node SU7-3W
- WARNING 02: maximum depth increased for Node UDitch\_Out

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Element Count

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Number of rain gages ..... 1  
 Number of subcatchments ... 14  
 Number of nodes ..... 356  
 Number of links ..... 351  
 Number of pollutants ..... 0  
 Number of land uses ..... 0

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Raingage Summary

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Name	Data Source	Data Type	Recording Interval
Null	Null	INTENSITY	60 min.

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Subcatchment Summary

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Name	Area	Width	%Imperv	%Slope	Rain Gage
Outlet					
2.1	88.70	1950.00	70.12	0.5000	Null
Structure602					
2.2	52.40	1400.00	4.01	0.5000	Null
Ditch9_Inlet					
2.3	9.40	450.00	2.13	0.5000	Null
Structure_-(395)					
2.4	33.10	1560.00	5.14	0.5000	Null
Ditch4_In					
3	17.20	800.00	39.65	0.5000	Null
SDCB294					
5	17.20	850.00	2.91	0.5000	Null
5_Dummy_Outlet					
A	40.50	1950.00	6.42	0.5000	Null
Ditch4_In					
B	21.40	850.00	1.87	0.5000	Null
Ditch2_3					
C	17.30	1200.00	6.94	0.5000	Null
C_Dummy_Outlet					
D	14.10	1350.00	49.65	0.5000	Null
D_Dummy_Outlet					
E	10.70	750.00	11.21	0.5000	Null
E_Dummy_Outlet					
F	12.90	1400.00	6.20	0.5000	Null
F_Dummy_Outlet					
G	5.60	680.00	3.57	0.5000	Null
G_Dummy_Outlet					
H	12.70	840.00	3.15	0.5000	Null
H_Dummy_Outlet					

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Node Summary

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External		Invert	Max.	Ponded	
Name	Type	Elev.	Depth	Area	
Inflow					
CB19	JUNCTION	6.61	5.52	100.0	Yes
CB22	JUNCTION	6.02	5.00	100.0	Yes
CB30	JUNCTION	7.17	5.00	100.0	Yes
CB31	JUNCTION	7.40	5.00	100.0	Yes
CB33	JUNCTION	7.17	5.00	100.0	Yes
Culvert_Ditch11	JUNCTION	2.71	10.50	100.0	
Culvert_Ditch12	JUNCTION	2.65	5.00	100.0	
Culvert_Ditch12a	JUNCTION	2.61	5.00	100.0	

Culvert_Ditch12b	JUNCTION	2.60	5.00	100.0	
Culvert_Ditch12c	JUNCTION	0.50	5.49	100.0	
Ditch1_2	JUNCTION	9.00	5.00	100.0	
Ditch11_12	JUNCTION	2.66	5.00	100.0	
Ditch12_18	JUNCTION	0.50	5.00	100.0	Yes
Ditch14_15	JUNCTION	4.12	5.00	100.0	Yes
Ditch15_16	JUNCTION	3.12	5.00	100.0	Yes
Ditch16_17	JUNCTION	2.18	5.00	100.0	Yes
Ditch17_5_6	JUNCTION	1.24	7.00	100.0	Yes
Ditch2_3	JUNCTION	8.25	5.00	100.0	Yes
Ditch3_Out	JUNCTION	8.00	5.00	100.0	
Ditch4_In	JUNCTION	9.00	5.00	100.0	Yes
Ditch4_Out	JUNCTION	3.00	14.00	100.0	
Ditch5_Inlet	JUNCTION	2.25	5.00	100.0	Yes
Ditch6_7	JUNCTION	1.24	7.00	100.0	Yes
Ditch7_8	JUNCTION	-2.32	8.78	100.0	Yes
Ditch9_10_11	JUNCTION	3.00	10.50	100.0	
Ditch9_Inlet	JUNCTION	10.45	5.00	100.0	Yes
Facility77_PS	JUNCTION	8.30	1.67	100.0	
PS004	JUNCTION	-2.00	6.00	100.0	
PSC_Outlet	JUNCTION	11.50	1.67	100.0	
Roadside_Connection	JUNCTION	3.22	7.28	0.0	
SDCB294	JUNCTION	2.53	6.00	100.0	Yes
SDCB541	JUNCTION	5.31	5.00	100.0	Yes
SDCB543	JUNCTION	7.11	5.75	100.0	Yes
SDCB6003	JUNCTION	2.93	7.65	100.0	Yes
SDCB6005	JUNCTION	5.75	5.00	100.0	Yes
SDMH297	JUNCTION	2.48	6.22	100.0	Yes
SDMH299	JUNCTION	2.50	6.35	100.0	Yes
SDMH301	JUNCTION	2.30	5.00	100.0	Yes
SDMH538	JUNCTION	4.88	5.00	100.0	Yes
SDMH539	JUNCTION	3.53	6.35	100.0	Yes
SDMH540	JUNCTION	3.78	5.75	100.0	Yes
Structure_--(1)	JUNCTION	7.42	5.00	100.0	Yes
Structure_--(10)	JUNCTION	4.74	9.44	100.0	Yes
Structure_--(100)	JUNCTION	10.62	5.00	100.0	Yes
Structure_--(101)	JUNCTION	10.67	5.00	100.0	Yes
Structure_--(102)	JUNCTION	10.50	5.00	100.0	Yes
Structure_--(123)	JUNCTION	7.46	8.18	100.0	Yes
Structure_--(124)	JUNCTION	7.70	8.66	100.0	Yes
Structure_--(125)	JUNCTION	9.82	5.00	100.0	Yes
Structure_--(126)	JUNCTION	10.12	5.00	100.0	Yes
Structure_--(128)	JUNCTION	11.13	5.00	100.0	Yes
Structure_--(129)	JUNCTION	12.81	5.00	100.0	Yes
Structure_--(130)	JUNCTION	10.61	5.00	100.0	Yes
Structure_--(131)	JUNCTION	11.13	5.00	100.0	Yes
Structure_--(132)	JUNCTION	11.93	5.00	100.0	Yes
Structure_--(133)	JUNCTION	10.62	5.00	100.0	Yes
Structure_--(134)	JUNCTION	11.30	5.00	100.0	Yes
Structure_--(136)	JUNCTION	11.83	5.00	100.0	Yes
Structure_--(139)	JUNCTION	4.12	7.40	100.0	Yes
Structure_--(140)	JUNCTION	4.22	7.05	100.0	Yes
Structure_--(141)	JUNCTION	3.60	6.40	100.0	Yes



Structure_-(142)	JUNCTION	5.44	5.00	100.0	Yes
Structure_-(143)	JUNCTION	6.40	6.06	100.0	Yes
Structure_-(144)	JUNCTION	6.76	5.41	100.0	Yes
Structure_-(161)	JUNCTION	6.13	5.00	100.0	Yes
Structure_-(162)	JUNCTION	5.25	5.00	100.0	Yes
Structure_-(163)	JUNCTION	4.62	5.00	100.0	Yes
Structure_-(164)	JUNCTION	4.03	5.00	100.0	Yes
Structure_-(165)	JUNCTION	3.70	5.00	100.0	Yes
Structure_-(166)	JUNCTION	3.35	5.00	100.0	Yes
Structure_-(167)	JUNCTION	2.79	5.00	100.0	Yes
Structure_-(168)	JUNCTION	2.15	5.00	100.0	Yes
Structure_-(169)	JUNCTION	1.58	5.00	100.0	Yes
Structure_-(170)	JUNCTION	1.40	10.49	100.0	Yes
Structure_-(171)	JUNCTION	-1.58	13.71	100.0	Yes
Structure_-(172)	JUNCTION	-3.00	5.00	100.0	Yes
Structure_-(173)	JUNCTION	0.55	10.11	100.0	Yes
Structure_-(174)	JUNCTION	1.10	9.56	100.0	Yes
Structure_-(175)	JUNCTION	1.36	14.78	100.0	Yes
Structure_-(176)	JUNCTION	2.44	12.83	100.0	Yes
Structure_-(177)	JUNCTION	3.34	10.94	100.0	Yes
Structure_-(178)	JUNCTION	4.34	5.00	100.0	Yes
Structure_-(179)	JUNCTION	5.24	5.00	100.0	Yes
Structure_-(180)	JUNCTION	4.59	9.53	100.0	Yes
Structure_-(181)	JUNCTION	6.13	9.00	100.0	Yes
Structure_-(19)	JUNCTION	5.05	9.03	100.0	Yes
Structure_-(2)	JUNCTION	7.31	5.43	100.0	Yes
Structure_-(20)	JUNCTION	5.77	5.00	100.0	Yes
Structure_-(205)	JUNCTION	1.40	7.75	100.0	Yes
Structure_-(206)	JUNCTION	1.58	5.00	100.0	Yes
Structure_-(207)	JUNCTION	2.15	5.00	100.0	Yes
Structure_-(208)	JUNCTION	2.79	5.00	100.0	Yes
Structure_-(209)	JUNCTION	3.35	5.00	100.0	Yes
Structure_-(21)	JUNCTION	6.16	5.00	100.0	Yes
Structure_-(210)	JUNCTION	3.65	5.00	100.0	Yes
Structure_-(211)	JUNCTION	4.03	5.00	100.0	Yes
Structure_-(212)	JUNCTION	4.62	5.00	100.0	Yes
Structure_-(213)	JUNCTION	5.25	5.00	100.0	Yes
Structure_-(214)	JUNCTION	6.13	5.00	100.0	Yes
Structure_-(215)	JUNCTION	0.93	9.12	100.0	Yes
Structure_-(216)	JUNCTION	1.11	5.00	100.0	Yes
Structure_-(217)	JUNCTION	1.91	5.00	100.0	Yes
Structure_-(218)	JUNCTION	2.40	5.00	100.0	Yes
Structure_-(219)	JUNCTION	3.42	5.00	100.0	Yes
Structure_-(220)	JUNCTION	3.91	5.00	100.0	Yes
Structure_-(221)	JUNCTION	4.42	5.00	100.0	Yes
Structure_-(222)	JUNCTION	4.96	5.00	100.0	Yes
Structure_-(223)	JUNCTION	5.46	5.00	100.0	Yes
Structure_-(23)	JUNCTION	14.48	0.25	100.0	
Structure_-(230)	JUNCTION	-0.26	11.22	100.0	Yes
Structure_-(231)	JUNCTION	0.55	9.83	100.0	Yes
Structure_-(232)	JUNCTION	1.36	9.03	100.0	Yes
Structure_-(233)	JUNCTION	1.06	7.30	100.0	Yes
Structure_-(234)	JUNCTION	2.15	6.18	100.0	Yes

Structure_-(235)	JUNCTION	2.79	5.91	100.0	Yes
Structure_-(236)	JUNCTION	3.35	5.25	100.0	Yes
Structure_-(237)	JUNCTION	3.70	5.00	100.0	Yes
Structure_-(238)	JUNCTION	4.03	5.00	100.0	Yes
Structure_-(239)	JUNCTION	4.62	5.00	100.0	
Structure_-(24)	JUNCTION	14.47	5.00	100.0	
Structure_-(240)	JUNCTION	5.34	5.00	100.0	Yes
Structure_-(241)	JUNCTION	6.13	5.00	100.0	Yes
Structure_-(242)	JUNCTION	3.20	5.00	100.0	Yes
Structure_-(243)	JUNCTION	3.76	6.82	100.0	Yes
Structure_-(244)	JUNCTION	4.68	6.60	100.0	Yes
Structure_-(245)	JUNCTION	4.95	6.00	100.0	Yes
Structure_-(246)	JUNCTION	1.38	8.96	100.0	Yes
Structure_-(247)	JUNCTION	1.58	5.00	100.0	Yes
Structure_-(248)	JUNCTION	2.15	5.00	100.0	Yes
Structure_-(249)	JUNCTION	2.79	5.00	100.0	Yes
Structure_-(25)	JUNCTION	14.40	0.50	100.0	
Structure_-(250)	JUNCTION	3.35	5.00	100.0	Yes
Structure_-(251)	JUNCTION	3.70	5.00	100.0	Yes
Structure_-(252)	JUNCTION	4.03	5.00	100.0	Yes
Structure_-(253)	JUNCTION	4.59	5.00	100.0	Yes
Structure_-(254)	JUNCTION	5.25	5.00	100.0	Yes
Structure_-(255)	JUNCTION	6.13	5.00	100.0	Yes
Structure_-(256)	JUNCTION	0.93	9.63	100.0	Yes
Structure_-(257)	JUNCTION	1.11	5.00	100.0	Yes
Structure_-(258)	JUNCTION	1.91	5.00	100.0	Yes
Structure_-(259)	JUNCTION	2.40	5.00	100.0	Yes
Structure_-(26)	JUNCTION	14.08	0.50	100.0	
Structure_-(260)	JUNCTION	3.42	5.00	100.0	Yes
Structure_-(261)	JUNCTION	3.91	5.00	100.0	Yes
Structure_-(262)	JUNCTION	4.42	5.00	100.0	Yes
Structure_-(263)	JUNCTION	4.96	5.00	100.0	Yes
Structure_-(264)	JUNCTION	5.46	5.00	100.0	Yes
Structure_-(265)	JUNCTION	6.13	5.00	100.0	Yes
Structure_-(266)	JUNCTION	6.79	5.99	100.0	Yes
Structure_-(267)	JUNCTION	6.79	5.00	100.0	
Structure_-(268)	JUNCTION	7.28	5.00	100.0	Yes
Structure_-(269)	JUNCTION	7.49	5.00	100.0	Yes
Structure_-(27)	JUNCTION	13.18	0.50	100.0	
Structure_-(270)	JUNCTION	7.42	5.00	100.0	Yes
Structure_-(273)	JUNCTION	11.13	5.00	100.0	Yes
Structure_-(274)	JUNCTION	10.63	5.00	100.0	Yes
Structure_-(275)	JUNCTION	10.45	5.00	100.0	Yes
Structure_-(276)	JUNCTION	9.27	5.00	100.0	Yes
Structure_-(277)	JUNCTION	8.39	5.85	100.0	Yes
Structure_-(278)	JUNCTION	7.66	6.47	100.0	Yes
Structure_-(28)	JUNCTION	13.06	0.50	100.0	
Structure_-(287)	JUNCTION	10.45	5.00	100.0	Yes
Structure_-(288)	JUNCTION	11.23	5.00	100.0	Yes
Structure_-(29)	JUNCTION	12.99	0.50	100.0	
Structure_-(298)	JUNCTION	10.43	5.00	100.0	Yes
Structure_-(3)	JUNCTION	6.95	5.07	100.0	Yes
Structure_-(30)	JUNCTION	12.70	0.50	100.0	

Structure_-(305)	JUNCTION	10.68	5.00	100.0	Yes
Structure_-(306)	JUNCTION	11.73	5.00	100.0	Yes
Structure_-(31)	JUNCTION	11.93	0.50	100.0	
Structure_-(319)	JUNCTION	6.31	5.00	100.0	Yes
Structure_-(32)	JUNCTION	11.54	0.50	100.0	
Structure_-(320)	JUNCTION	6.16	5.00	100.0	Yes
Structure_-(325)	JUNCTION	5.48	5.00	100.0	Yes
Structure_-(326)	JUNCTION	7.45	5.00	100.0	Yes
Structure_-(33)	JUNCTION	11.34	0.50	100.0	
Structure_-(331)	JUNCTION	8.05	5.00	100.0	Yes
Structure_-(332)	JUNCTION	8.05	5.00	100.0	Yes
Structure_-(333)	JUNCTION	6.72	5.00	100.0	Yes
Structure_-(34)	JUNCTION	10.58	0.50	100.0	
Structure_-(341)	JUNCTION	6.44	7.90	100.0	Yes
Structure_-(35)	JUNCTION	9.28	0.50	100.0	
Structure_-(37)	JUNCTION	8.81	6.29	100.0	Yes
Structure_-(370)	JUNCTION	8.23	5.00	100.0	Yes
Structure_-(371)	JUNCTION	8.41	5.00	100.0	Yes
Structure_-(372)	JUNCTION	10.48	5.00	100.0	Yes
Structure_-(373)	JUNCTION	8.15	5.00	100.0	Yes
Structure_-(374)	JUNCTION	8.94	6.40	100.0	Yes
Structure_-(375)	JUNCTION	8.64	6.40	100.0	Yes
Structure_-(376)	JUNCTION	8.40	6.40	100.0	Yes
Structure_-(377)	JUNCTION	8.10	6.82	100.0	Yes
Structure_-(378)	JUNCTION	7.73	6.40	100.0	Yes
Structure_-(379)	JUNCTION	2.31	10.70	100.0	Yes
Structure_-(38)	JUNCTION	8.52	5.00	100.0	Yes
Structure_-(380)	JUNCTION	3.13	8.70	100.0	Yes
Structure_-(381)	JUNCTION	2.95	10.00	100.0	
Structure_-(389)	JUNCTION	11.23	5.00	100.0	Yes
Structure_-(39)	JUNCTION	8.41	7.14	100.0	Yes
Structure_-(390)	JUNCTION	11.23	5.00	100.0	Yes
Structure_-(391)	JUNCTION	10.75	5.00	100.0	Yes
Structure_-(392)	JUNCTION	6.74	8.39	100.0	Yes
Structure_-(393)	JUNCTION	5.80	9.07	100.0	Yes
Structure_-(394)	JUNCTION	4.05	10.98	100.0	Yes
Structure_-(395)	JUNCTION	2.29	10.70	100.0	Yes
Structure_-(396)	JUNCTION	11.62	5.00	100.0	Yes
Structure_-(397)	JUNCTION	8.80	5.00	100.0	Yes
Structure_-(398)	JUNCTION	6.70	5.00	100.0	Yes
Structure_-(399)	JUNCTION	7.38	5.00	100.0	Yes
Structure_-(4)	JUNCTION	6.69	6.17	100.0	Yes
Structure_-(40)	JUNCTION	8.23	6.49	100.0	Yes
Structure_-(400)	JUNCTION	7.90	5.00	100.0	Yes
Structure_-(401)	JUNCTION	9.70	5.00	100.0	Yes
Structure_-(404)	JUNCTION	11.04	5.00	100.0	Yes
Structure_-(405)	JUNCTION	11.84	5.00	100.0	Yes
Structure_-(407)	JUNCTION	8.80	5.00	100.0	Yes
Structure_-(408)	JUNCTION	9.47	5.00	100.0	Yes
Structure_-(41)	JUNCTION	6.04	8.46	100.0	Yes
Structure_-(42)	JUNCTION	6.00	8.33	100.0	Yes
Structure_-(426)	JUNCTION	6.36	5.00	100.0	Yes
Structure_-(427)	JUNCTION	5.22	6.00	100.0	Yes

Structure_-(43)	JUNCTION	5.46	6.72	100.0	Yes
Structure_-(431)	JUNCTION	-5.37	2.50	100.0	
Structure_-(432)	JUNCTION	-5.03	2.50	100.0	
Structure_-(433)	JUNCTION	-4.71	2.50	100.0	
Structure_-(434)	JUNCTION	-3.55	2.50	100.0	
Structure_-(435)	JUNCTION	-3.54	2.50	100.0	
Structure_-(44)	JUNCTION	5.22	9.29	100.0	Yes
Structure_-(446)	JUNCTION	9.97	1.67	100.0	
Structure_-(447)	JUNCTION	9.60	1.50	100.0	
Structure_-(448)	JUNCTION	9.29	1.50	100.0	
Structure_-(449)	JUNCTION	7.30	1.50	100.0	
Structure_-(45)	JUNCTION	5.18	5.00	100.0	Yes
Structure_-(450)	JUNCTION	6.70	1.50	100.0	
Structure_-(451)	JUNCTION	6.50	1.50	100.0	
Structure_-(453)	JUNCTION	3.95	5.00	100.0	
Structure_-(454)	JUNCTION	3.94	5.00	100.0	
Structure_-(455)	JUNCTION	3.93	5.00	100.0	
Structure_-(456)	JUNCTION	3.73	5.00	100.0	
Structure_-(457)	JUNCTION	3.63	5.00	100.0	
Structure_-(458)	JUNCTION	3.40	5.00	100.0	
Structure_-(459)	JUNCTION	6.67	1.67	100.0	
Structure_-(46)	JUNCTION	5.11	5.00	100.0	Yes
Structure_-(460)	JUNCTION	6.63	1.67	100.0	
Structure_-(461)	JUNCTION	6.03	1.67	100.0	
Structure_-(462)	JUNCTION	5.88	1.67	100.0	
Structure_-(463)	JUNCTION	4.13	1.67	100.0	
Structure_-(469)	JUNCTION	3.50	5.00	100.0	Yes
Structure_-(47)	JUNCTION	4.65	8.45	100.0	Yes
Structure_-(470)	JUNCTION	7.10	5.00	100.0	Yes
Structure_-(471)	JUNCTION	7.27	5.00	100.0	Yes
Structure_-(472)	JUNCTION	7.40	5.00	100.0	Yes
Structure_-(473)	JUNCTION	7.49	5.00	100.0	Yes
Structure_-(475)	JUNCTION	3.08	11.58	100.0	Yes
Structure_-(476)	JUNCTION	2.97	11.74	100.0	Yes
Structure_-(477)	JUNCTION	2.65	11.74	100.0	Yes
Structure_-(478)	JUNCTION	2.32	10.85	100.0	
Structure_-(481)	JUNCTION	4.00	5.00	100.0	
Structure_-(482)	JUNCTION	4.05	5.00	100.0	
Structure_-(483)	JUNCTION	4.10	5.00	100.0	
Structure_-(484)	JUNCTION	4.22	5.00	100.0	
Structure_-(485)	JUNCTION	4.25	5.00	100.0	
Structure_-(487)	JUNCTION	2.78	11.62	100.0	Yes
Structure_-(489)	JUNCTION	2.74	11.26	100.0	Yes
Structure_-(490)	JUNCTION	11.23	5.00	100.0	Yes
Structure_-(495)	JUNCTION	10.04	5.00	100.0	
Structure_-(5)	JUNCTION	6.37	7.65	100.0	Yes
Structure_-(50)	JUNCTION	4.20	8.20	100.0	Yes
Structure_-(502)	JUNCTION	8.46	5.00	100.0	Yes
Structure_-(503)	JUNCTION	4.71	9.38	100.0	Yes
Structure_-(51)	JUNCTION	3.94	8.28	100.0	Yes
Structure_-(52)	JUNCTION	3.72	7.10	100.0	Yes
Structure_-(53)	JUNCTION	3.71	8.45	100.0	
Structure_-(54)	JUNCTION	3.93	8.20	100.0	

Structure_-(56)	JUNCTION	9.08	5.00	100.0	Yes
Structure_-(57)	JUNCTION	9.29	5.00	100.0	Yes
Structure_-(58)	JUNCTION	9.39	5.00	100.0	Yes
Structure_-(59)	JUNCTION	9.70	5.00	100.0	Yes
Structure_-(6)	JUNCTION	5.70	5.02	100.0	Yes
Structure_-(60)	JUNCTION	9.82	5.00	100.0	Yes
Structure_-(61)	JUNCTION	9.92	5.00	100.0	Yes
Structure_-(62)	JUNCTION	10.02	5.00	100.0	Yes
Structure_-(63)	JUNCTION	10.27	5.00	100.0	Yes
Structure_-(7)	JUNCTION	5.35	5.78	100.0	Yes
Structure_-(70)	JUNCTION	8.89	5.00	100.0	Yes
Structure_-(71)	JUNCTION	10.00	5.00	100.0	Yes
Structure_-(72)	JUNCTION	10.06	5.00	100.0	Yes
Structure_-(73)	JUNCTION	10.33	5.00	100.0	Yes
Structure_-(74)	JUNCTION	10.57	5.00	100.0	Yes
Structure_-(75)	JUNCTION	10.81	5.00	100.0	Yes
Structure_-(76)	JUNCTION	11.05	5.00	100.0	Yes
Structure_-(77)	JUNCTION	11.29	5.00	100.0	Yes
Structure_-(78)	JUNCTION	11.53	5.00	100.0	Yes
Structure_-(79)	JUNCTION	8.72	5.00	100.0	Yes
Structure_-(8)	JUNCTION	5.10	8.03	100.0	Yes
Structure_-(80)	JUNCTION	9.01	5.00	100.0	Yes
Structure_-(81)	JUNCTION	9.25	5.00	100.0	Yes
Structure_-(82)	JUNCTION	9.49	5.00	100.0	Yes
Structure_-(83)	JUNCTION	9.73	5.37	100.0	Yes
Structure_-(84)	JUNCTION	9.97	5.00	100.0	Yes
Structure_-(85)	JUNCTION	10.21	5.00	100.0	Yes
Structure_-(86)	JUNCTION	7.30	5.00	100.0	Yes
Structure_-(87)	JUNCTION	7.38	5.00	100.0	Yes
Structure_-(88)	JUNCTION	7.56	5.00	100.0	Yes
Structure_-(89)	JUNCTION	7.65	5.00	100.0	Yes
Structure_-(9)	JUNCTION	4.82	8.93	100.0	Yes
Structure_-(90)	JUNCTION	7.79	5.00	100.0	Yes
Structure_-(92)	JUNCTION	8.90	5.00	100.0	Yes
Structure_-(93)	JUNCTION	9.26	5.00	100.0	Yes
Structure_-(94)	JUNCTION	9.43	5.00	100.0	Yes
Structure_-(95)	JUNCTION	9.45	5.00	100.0	Yes
Structure_-(96)	JUNCTION	9.60	5.00	100.0	Yes
Structure_-(97)	JUNCTION	9.95	5.00	100.0	Yes
Structure_-(98)	JUNCTION	10.13	5.00	100.0	Yes
Structure_-(99)	JUNCTION	10.32	5.00	100.0	
Structure520	JUNCTION	4.37	5.00	100.0	Yes
Structure521	JUNCTION	1.73	5.00	100.0	Yes
Structure522	JUNCTION	2.08	5.00	100.0	Yes
Structure587	JUNCTION	2.37	5.00	100.0	Yes
Structure593	JUNCTION	2.35	5.00	100.0	Yes
Structure602	JUNCTION	4.68	5.00	100.0	
SU1-2_Central	JUNCTION	5.00	11.00	100.0	
SU1-2_J1	JUNCTION	10.00	0.99	0.0	
SU1-2_J1-2	JUNCTION	8.00	0.99	0.0	
SU1-2_J2	JUNCTION	2.00	0.99	0.0	
SU1-2_Overflow	JUNCTION	8.25	5.00	100.0	
SU1-2_PSOut	JUNCTION	10.00	0.99	0.0	

SU1-2_South	JUNCTION	20.00	4.00	100.0	Yes
SU1-2_West	JUNCTION	15.21	2.00	100.0	Yes
SU6-1E	JUNCTION	11.80	2.00	100.0	Yes
SU6-1NE	JUNCTION	2.00	10.50	100.0	
SU6-1S	JUNCTION	12.40	2.00	100.0	Yes
SU6-7	JUNCTION	1.42	11.33	0.0	
SU67-J1	JUNCTION	13.18	1.25	0.0	
SU67-J2	JUNCTION	10.58	1.25	0.0	
SU67-J3	JUNCTION	9.28	1.25	0.0	
SU67-J4	JUNCTION	9.08	1.25	0.0	
SU67-J5	JUNCTION	6.04	1.25	0.0	
SU67-J6	JUNCTION	5.11	1.25	0.0	
SU67-J7	JUNCTION	4.65	1.25	0.0	
SU7-2W	JUNCTION	11.60	2.00	100.0	Yes
SU7-3W	JUNCTION	2.00	11.00	100.0	
UDitch_Out	JUNCTION	7.50	14.00	100.0	
5_Dummy_Outlet	OUTFALL	0.00	0.00	0.0	
C_Dummy_Outlet	OUTFALL	0.00	0.00	0.0	
D_Dummy_Outlet	OUTFALL	0.00	0.00	0.0	
E_Dummy_Outlet	OUTFALL	0.00	0.00	0.0	
F_Dummy_Outlet	OUTFALL	0.00	0.00	0.0	
G_Dummy_Outlet	OUTFALL	0.00	0.00	0.0	
H_Dummy_Outlet	OUTFALL	0.00	0.00	0.0	
Outfall_002A	OUTFALL	-14.87	2.50	0.0	
Outfall003	OUTFALL	-3.00	6.85	0.0	
Facility77_Inlet	STORAGE	-8.05	20.47	0.0	
PS_SU6-7	STORAGE	1.00	13.75	0.0	
PSC_Sump	STORAGE	0.50	17.13	0.0	
RetenionPond	STORAGE	6.50	9.50	0.0	
SU1-2_PS	STORAGE	2.50	13.00	0.0	

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Link Summary  
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Name	From Node	To Node	Type	Length
172_to_Inlet	Structure_-(172)	Facility77_Inlet	CONDUIT	1.0
505.0000 0.0120				
278_to_PS_B	Structure_-(278)	Structure602	CONDUIT	45.0
6.6422 0.0120				
381_to_PS77	Structure_-(381)	Facility77_Inlet	CONDUIT	1.0
0.1000 0.0120				
458_to_Inlet	Structure_-(458)	Facility77_Inlet	CONDUIT	1.0
-344.9600 0.0140				
469_to_Inlet	Structure_-(469)	Facility77_Inlet	CONDUIT	1.0
505.0000 0.0120				
C1_1	SU1-2_West	SU1-2_Central	CONDUIT	1070.0
0.3000 0.0250				
C1_2	SU1-2_Central	SU1-2_PS	CONDUIT	74.0

0.5000	0.0120	Culvert11	Ditch9_10_11	Culvert_Ditch11	CONDUIT	40.0
0.7250	0.0120	Culvert12	Ditch11_12	Culvert_Ditch12	CONDUIT	30.0
0.0333	0.0120	Culvert12a	Culvert_Ditch12a	Culvert_Ditch12b	CONDUIT	30.0
0.0333	0.0120	Culvert12c	Culvert_Ditch12c	Ditch12_18	CONDUIT	30.0
0.0033	0.0240	Ditch_77	Structure587	Structure593	CONDUIT	173.0
0.0116	0.0250	Ditch11	Culvert_Ditch11	Ditch11_12	CONDUIT	90.0
0.0556	0.0120	Ditch12	Culvert_Ditch12b	Culvert_Ditch12c	CONDUIT	260.0
0.0423	0.0250	Ditch12a	Culvert_Ditch12	Culvert_Ditch12a	CONDUIT	110.0
0.0364	0.0250	Ditch13	Structure521	Structure522	CONDUIT	170.0
0.0006	0.0250	Ditch14	Structure_-(242)	Ditch14_15	CONDUIT	330.0
0.3030	0.0250	Ditch15	Ditch14_15	Ditch15_16	CONDUIT	318.0
0.1761	0.0250	Ditch16	Ditch15_16	Ditch16_17	CONDUIT	350.0
0.2800	0.0250	Ditch17	Ditch16_17	Ditch17_5_6	CONDUIT	155.0
0.6065	0.0250	Ditch18	Ditch12_18	PS004	CONDUIT	180.0
0.6333	0.0250	Ditch2	Ditch1_2	Ditch2_3	CONDUIT	960.0
0.0781	0.0250	Ditch3	Ditch2_3	Ditch3_Out	CONDUIT	320.0
0.0781	0.0250	Ditch4_1	Ditch4_In	SU1-2_Overflow	CONDUIT	1020.0
0.0735	0.0250	Ditch4_2	SU1-2_Overflow	Ditch3_Out	CONDUIT	340.0
0.0735	0.0250	Ditch4_489	Ditch4_Out	Structure_-(489)	CONDUIT	715.0
0.0001	0.0250	Ditch5	Ditch5_Inlet	Ditch17_5_6	CONDUIT	1015.0
0.0995	0.0250	Ditch6	Ditch17_5_6	Ditch6_7	CONDUIT	165.0
0.0006	0.0250	Ditch7	Ditch6_7	Ditch7_8	CONDUIT	525.0
0.1562	0.0250	Ditch8	Ditch7_8	Outfall003	CONDUIT	183.0
0.3716	0.0250	Ditch9	Ditch9_Inlet	Roadside_Connection	CONDUIT	770.0
0.4481	0.0250	Facility73_to_Pond	Structure_-(451)	RetenionPond	CONDUIT	1.0
0.1000	0.0100	Pipe_-(1)	Structure_-(1)	Structure_-(2)	CONDUIT	56.5
0.1947	0.0120					

Pipe_-(10)	Structure_-(10)	Structure_-(503)	CONDUIT	163.2
0.0184	0.0220			
Pipe_-(10)_1	Structure_-(503)	Structure602	CONDUIT	25.9
0.1159	0.0220			
Pipe_-(117)	Structure_-(123)	Structure_-(52)	CONDUIT	196.2
1.7190	0.0120			
Pipe_-(118)	Structure_-(124)	Structure_-(123)	CONDUIT	70.2
0.3420	0.0120			
Pipe_-(119)	Structure_-(125)	Structure_-(124)	CONDUIT	234.0
0.9060	0.0120			
Pipe_-(120)	Structure_-(126)	Structure_-(125)	CONDUIT	136.0
0.2206	0.0120			
Pipe_-(122)	Structure_-(128)	Structure_-(126)	CONDUIT	203.0
0.4975	0.0120			
Pipe_-(123)	Structure_-(129)	Structure_-(128)	CONDUIT	212.0
0.7925	0.0120			
Pipe_-(124)	Structure_-(130)	Structure_-(123)	CONDUIT	151.3
0.3965	0.0120			
Pipe_-(125)	Structure_-(131)	Structure_-(130)	CONDUIT	40.0
1.3001	0.0120			
Pipe_-(126)	Structure_-(132)	Structure_-(131)	CONDUIT	46.5
1.7207	0.0120			
Pipe_-(127)	Structure_-(133)	Structure_-(125)	CONDUIT	166.0
0.4819	0.0120			
Pipe_-(128)	Structure_-(134)	Structure_-(133)	CONDUIT	119.0
0.7815	0.0120			
Pipe_-(130)	Structure_-(136)	Structure_-(133)	CONDUIT	94.3
2.2159	0.0120			
Pipe_-(133)	Structure_-(139)	Structure_-(53)	CONDUIT	9.5
1.6802	0.0120			
Pipe_-(134)	Structure_-(140)	Structure_-(139)	CONDUIT	48.5
0.2062	0.0120			
Pipe_-(135)	Structure_-(141)	Structure_-(140)	CONDUIT	38.7
0.2069	0.0120			
Pipe_-(136)	Structure_-(142)	Structure_-(141)	CONDUIT	33.0
3.4645	0.0120			
Pipe_-(137)	Structure_-(143)	Structure_-(142)	CONDUIT	32.0
2.9942	0.0120			
Pipe_-(138)	Structure_-(144)	Structure_-(143)	CONDUIT	12.0
3.0005	0.0120			
Pipe_-(153)	Structure_-(161)	Structure_-(162)	CONDUIT	160.0
0.8000	0.0120			
Pipe_-(154)	Structure_-(162)	Structure_-(163)	CONDUIT	125.0
0.8240	0.0120			
Pipe_-(155)	Structure_-(163)	Structure_-(164)	CONDUIT	177.0
0.5028	0.0120			
Pipe_-(156)	Structure_-(164)	Structure_-(165)	CONDUIT	144.0
0.3333	0.0120			
Pipe_-(157)	Structure_-(165)	Structure_-(166)	CONDUIT	126.0
0.3968	0.0120			
Pipe_-(158)	Structure_-(166)	Structure_-(167)	CONDUIT	203.0
0.3498	0.0120			
Pipe_-(159)	Structure_-(167)	Structure_-(168)	CONDUIT	127.0



0.7402	0.0120				
Pipe_-(160)		Structure_-(168)	Structure_-(169)	CONDUIT	186.0
0.1989	0.0120				
Pipe_-(161)		Structure_-(169)	Structure_-(170)	CONDUIT	94.0
0.1915	0.0120				
Pipe_-(162)		Structure_-(170)	Structure_-(171)	CONDUIT	13.1
7.9514	0.0120				
Pipe_-(163)		Structure_-(171)	Structure_-(172)	CONDUIT	174.5
0.8151	0.0120				
Pipe_-(164)		Structure_-(173)	Structure_-(171)	CONDUIT	120.9
3.2200	0.0120				
Pipe_-(165)		Structure_-(174)	Structure_-(173)	CONDUIT	122.7
0.6440	0.0120				
Pipe_-(166)		Structure_-(175)	Structure_-(174)	CONDUIT	101.0
0.2575	0.0120				
Pipe_-(167)		Structure_-(176)	Structure_-(175)	CONDUIT	132.0
0.8182	0.0120				
Pipe_-(168)		Structure_-(177)	Structure_-(176)	CONDUIT	250.0
0.4000	0.0120				
Pipe_-(169)		Structure_-(178)	Structure_-(177)	CONDUIT	248.0
0.4426	0.0120				
Pipe_-(170)		Structure_-(179)	Structure_-(178)	CONDUIT	225.0
0.4444	0.0120				
Pipe_-(171)		Structure_-(180)	Structure_-(179)	CONDUIT	240.0
0.1010	0.0120				
Pipe_-(172)		Structure_-(181)	Structure_-(180)	CONDUIT	260.0
0.6308	0.0120				
Pipe_-(18)		Structure_-(19)	Structure_-(10)	CONDUIT	139.0
0.2248	0.0120				
Pipe_-(19)		Structure_-(20)	Structure_-(8)	CONDUIT	335.3
0.1998	0.0120				
Pipe_-(196)		Structure_-(205)	Structure_-(174)	CONDUIT	15.0
3.7359	0.0120				
Pipe_-(197)		Structure_-(206)	Structure_-(205)	CONDUIT	92.0
0.1957	0.0120				
Pipe_-(198)		Structure_-(207)	Structure_-(206)	CONDUIT	186.0
0.4140	0.0120				
Pipe_-(199)		Structure_-(208)	Structure_-(207)	CONDUIT	127.0
0.7402	0.0120				
Pipe_-(2)		Structure_-(2)	Structure_-(3)	CONDUIT	179.1
0.2011	0.0120				
Pipe_-(20)		Structure_-(21)	Structure_-(20)	CONDUIT	196.6
0.1984	0.0120				
Pipe_-(200)		Structure_-(209)	Structure_-(208)	CONDUIT	203.0
0.3498	0.0120				
Pipe_-(201)		Structure_-(210)	Structure_-(209)	CONDUIT	126.0
0.3571	0.0120				
Pipe_-(202)		Structure_-(211)	Structure_-(210)	CONDUIT	144.0
0.3681	0.0120				
Pipe_-(203)		Structure_-(212)	Structure_-(211)	CONDUIT	177.0
0.5028	0.0120				
Pipe_-(204)		Structure_-(213)	Structure_-(212)	CONDUIT	125.0
0.8240	0.0120				

Pipe_-(205)	Structure_-(214)	Structure_-(213)	CONDUIT	160.0
0.8000	0.0120			
Pipe_-(206)	Structure_-(215)	Structure_-(173)	CONDUIT	13.0
5.5484	0.0120			
Pipe_-(207)	Structure_-(216)	Structure_-(215)	CONDUIT	94.0
0.1915	0.0120			
Pipe_-(208)	Structure_-(217)	Structure_-(216)	CONDUIT	186.0
0.5645	0.0120			
Pipe_-(209)	Structure_-(218)	Structure_-(217)	CONDUIT	127.0
0.5039	0.0120			
Pipe_-(210)	Structure_-(219)	Structure_-(218)	CONDUIT	203.0
0.6256	0.0120			
Pipe_-(211)	Structure_-(220)	Structure_-(219)	CONDUIT	126.0
0.5079	0.0120			
Pipe_-(212)	Structure_-(221)	Structure_-(220)	CONDUIT	144.0
0.4583	0.0120			
Pipe_-(213)	Structure_-(222)	Structure_-(221)	CONDUIT	177.0
0.4181	0.0120			
Pipe_-(214)	Structure_-(223)	Structure_-(222)	CONDUIT	125.0
0.5200	0.0120			
Pipe_-(215)	Structure520	Structure_-(223)	CONDUIT	161.7
0.4994	0.0120			
Pipe_-(22)	Structure_-(23)	Structure_-(24)	CONDUIT	4.4
0.2279	0.0100			
Pipe_-(221)	Structure_-(230)	Structure_-(171)	CONDUIT	124.5
1.8642	0.0120			
Pipe_-(222)	Structure_-(231)	Structure_-(230)	CONDUIT	122.7
1.0661	0.0100			
Pipe_-(223)	Structure_-(232)	Structure_-(231)	CONDUIT	124.1
1.0558	0.0120			
Pipe_-(224)	Structure_-(233)	Structure_-(232)	CONDUIT	108.3
0.6002	0.0120			
Pipe_-(225)	Structure_-(234)	Structure_-(233)	CONDUIT	184.8
0.6995	0.0120			
Pipe_-(226)	Structure_-(235)	Structure_-(234)	CONDUIT	127.0
0.7402	0.0120			
Pipe_-(227)	Structure_-(236)	Structure_-(235)	CONDUIT	203.0
0.3498	0.0120			
Pipe_-(228)	Structure_-(237)	Structure_-(236)	CONDUIT	120.0
0.4167	0.0120			
Pipe_-(229)	Structure_-(238)	Structure_-(237)	CONDUIT	150.0
0.3200	0.0120			
Pipe_-(23)	Structure_-(24)	Structure_-(25)	CONDUIT	34.4
0.2036	0.0100			
Pipe_-(230)	Structure_-(239)	Structure_-(238)	CONDUIT	177.0
0.5028	0.0120			
Pipe_-(231)	Structure_-(240)	Structure_-(239)	CONDUIT	125.0
0.8960	0.0120			
Pipe_-(232)	Structure_-(241)	Structure_-(240)	CONDUIT	160.0
0.7438	0.0120			
Pipe_-(234)	Structure_-(243)	Structure_-(242)	CONDUIT	124.0
0.4759	0.0120			
Pipe_-(235)	Structure_-(244)	Structure_-(243)	CONDUIT	98.1

1.0605	0.0120				
Pipe_-(236)		Structure_-(245)	Structure_-(244)	CONDUIT	97.7
0.2763	0.0120				
Pipe_-(237)		Structure_-(246)	Structure_-(231)	CONDUIT	13.0
12.7170	0.0120				
Pipe_-(238)		Structure_-(247)	Structure_-(246)	CONDUIT	94.0
0.2153	0.0120				
Pipe_-(239)		Structure_-(248)	Structure_-(247)	CONDUIT	186.0
0.4140	0.0120				
Pipe_-(24)		Structure_-(25)	Structure_-(26)	CONDUIT	158.8
0.2016	0.0100				
Pipe_-(240)		Structure_-(249)	Structure_-(248)	CONDUIT	127.0
0.7402	0.0120				
Pipe_-(241)		Structure_-(250)	Structure_-(249)	CONDUIT	203.0
0.3498	0.0120				
Pipe_-(242)		Structure_-(251)	Structure_-(250)	CONDUIT	126.0
0.3968	0.0120				
Pipe_-(243)		Structure_-(252)	Structure_-(251)	CONDUIT	144.0
0.3333	0.0120				
Pipe_-(244)		Structure_-(253)	Structure_-(252)	CONDUIT	177.0
0.4859	0.0120				
Pipe_-(245)		Structure_-(254)	Structure_-(253)	CONDUIT	125.0
0.8480	0.0120				
Pipe_-(246)		Structure_-(255)	Structure_-(254)	CONDUIT	160.0
0.8000	0.0120				
Pipe_-(247)		Structure_-(256)	Structure_-(230)	CONDUIT	13.0
18.2989	0.0120				
Pipe_-(248)		Structure_-(257)	Structure_-(256)	CONDUIT	94.0
0.1915	0.0120				
Pipe_-(249)		Structure_-(258)	Structure_-(257)	CONDUIT	186.0
0.5645	0.0120				
Pipe_-(25)		Structure_-(26)	Structure_-(27)	CONDUIT	449.4
0.2003	0.0100				
Pipe_-(250)		Structure_-(259)	Structure_-(258)	CONDUIT	127.0
0.5039	0.0120				
Pipe_-(251)		Structure_-(260)	Structure_-(259)	CONDUIT	203.0
0.6256	0.0120				
Pipe_-(252)		Structure_-(261)	Structure_-(260)	CONDUIT	126.0
0.5079	0.0120				
Pipe_-(253)		Structure_-(262)	Structure_-(261)	CONDUIT	144.0
0.4583	0.0120				
Pipe_-(254)		Structure_-(263)	Structure_-(262)	CONDUIT	177.0
0.4181	0.0120				
Pipe_-(255)		Structure_-(264)	Structure_-(263)	CONDUIT	125.0
0.5200	0.0120				
Pipe_-(256)		Structure_-(265)	Structure_-(264)	CONDUIT	160.0
0.5750	0.0120				
Pipe_-(257)		Structure_-(266)	Structure_-(265)	CONDUIT	130.4
0.5062	0.0120				
Pipe_-(258)		Structure_-(267)	Structure_-(266)	CONDUIT	24.6
0.0041	0.0120				
Pipe_-(259)		Structure_-(268)	Structure_-(267)	CONDUIT	101.0
0.4754	0.0120				

Pipe_-(26)	Structure_-(27)	Structure_-(28)	CONDUIT	58.2
0.2061	0.0100			
Pipe_-(260)	Structure_-(269)	Structure_-(268)	CONDUIT	41.9
0.5256	0.0100			
Pipe_-(261)	Structure_-(270)	Structure_-(267)	CONDUIT	135.0
0.4666	0.0120			
Pipe_-(264)	Structure_-(273)	Structure_-(274)	CONDUIT	172.7
0.1450	0.0120			
Pipe_-(265)	Structure_-(274)	Structure_-(275)	CONDUIT	102.1
0.1759	0.0120			
Pipe_-(266)	Structure_-(275)	Structure_-(276)	CONDUIT	121.8
0.3940	0.0120			
Pipe_-(267)	Structure_-(276)	Structure_-(277)	CONDUIT	159.0
0.3962	0.0120			
Pipe_-(268)	Structure_-(277)	Structure_-(278)	CONDUIT	127.9
0.5550	0.0120			
Pipe_-(27)	Structure_-(28)	Structure_-(29)	CONDUIT	35.7
0.1958	0.0100			
Pipe_-(277)	Structure_-(287)	Structure_-(277)	CONDUIT	134.5
2.7665	0.0120			
Pipe_-(278)	Structure_-(288)	Structure_-(287)	CONDUIT	122.3
0.8424	0.0120			
Pipe_-(28)	Structure_-(29)	Structure_-(30)	CONDUIT	143.4
0.2022	0.0100			
Pipe_-(285)	Structure_-(490)	Structure_-(287)	CONDUIT	143.8
0.7163	0.0120			
Pipe_-(288)	Structure_-(298)	Structure_-(276)	CONDUIT	241.1
0.6884	0.0120			
Pipe_-(29)	Structure_-(30)	Structure_-(31)	CONDUIT	387.2
0.1988	0.0100			
Pipe_-(295)	Structure_-(305)	Structure_-(277)	CONDUIT	54.0
7.4465	0.0120			
Pipe_-(296)	Structure_-(306)	Structure_-(305)	CONDUIT	153.1
0.6861	0.0120			
Pipe_-(3)	Structure_-(3)	Structure_-(4)	CONDUIT	130.0
0.2000	0.0120			
Pipe_-(30)	Structure_-(31)	Structure_-(32)	CONDUIT	197.5
0.1975	0.0100			
Pipe_-(307)	CB19	Structure_-(319)	CONDUIT	171.0
0.1755	0.0120			
Pipe_-(308)	Structure_-(319)	Structure_-(320)	CONDUIT	90.0
0.1667	0.0120			
Pipe_-(309)	Structure_-(320)	CB22	CONDUIT	88.1
0.1590	0.0120			
Pipe_-(31)	Structure_-(32)	Structure_-(33)	CONDUIT	99.5
0.2010	0.0100			
Pipe_-(310)	CB22	SDMH539	CONDUIT	153.2
1.0722	0.0120			
Pipe_-(311)	SDMH539	SDCB6003	CONDUIT	236.8
0.5913	0.0120			
Pipe_-(312)	SDCB6003	SDMH297	CONDUIT	178.1
0.2527	0.0120			
Pipe_-(313)	Structure_-(325)	Structure_-(319)	CONDUIT	155.6

0.0434	0.0120				
Pipe_-(314)	Structure_-(326)	Structure_-(325)	CONDUIT		112.8
1.0397	0.0120				
Pipe_-(319)	Structure_-(331)	Structure_-(319)	CONDUIT		70.0
3.6596	0.0100				
Pipe_-(32)	Structure_-(33)	Structure_-(34)	CONDUIT		379.9
0.2001	0.0100				
Pipe_-(320)	Structure_-(332)	Structure_-(320)	CONDUIT		60.0
4.7721	0.0100				
Pipe_-(321)	Structure_-(333)	CB22	CONDUIT		42.0
3.3352	0.0120				
Pipe_-(322)	CB30	Structure_-(333)	CONDUIT		89.0
0.5056	0.0120				
Pipe_-(323)	CB31	CB30	CONDUIT		185.0
0.1243	0.0120				
Pipe_-(327)	SDCB541	CB22	CONDUIT		38.0
0.2306	0.0120				
Pipe_-(328)	SDCB543	SDCB541	CONDUIT		143.6
0.6615	0.0120				
Pipe_-(329)	Structure_-(341)	SDCB543	CONDUIT		100.2
1.3780	0.0120				
Pipe_-(33)	Structure_-(34)	Structure_-(35)	CONDUIT		649.8
0.2001	0.0100				
Pipe_-(331)	SDMH538	SDMH539	CONDUIT		41.1
2.1925	0.0120				
Pipe_-(333)	SDMH540	SDMH539	CONDUIT		44.2
0.0906	0.0100				
Pipe_-(334)	CB33	SDMH540	CONDUIT		83.8
3.0348	0.0100				
Pipe_-(337)	SDMH299	SDMH297	CONDUIT		30.6
0.0654	0.0220				
Pipe_-(338)	Structure522	SDMH299	CONDUIT		222.9
0.0774	0.0220				
Pipe_-(34)	Structure_-(35)	Structure_-(56)	CONDUIT		98.9
0.2023	0.0100				
Pipe_-(340)	SDCB6005	SDCB6003	CONDUIT		185.6
3.1111	0.0100				
Pipe_-(35)	Structure_-(56)	Structure_-(37)	CONDUIT		137.2
0.1967	0.0120				
Pipe_-(358)	Structure_-(371)	Structure_-(370)	CONDUIT		36.6
0.4855	0.0100				
Pipe_-(359)	Structure_-(372)	Structure_-(371)	CONDUIT		689.8
0.3001	0.0100				
Pipe_-(36)	Structure_-(37)	Structure_-(38)	CONDUIT		146.8
0.1976	0.0120				
Pipe_-(360)	Structure_-(370)	Structure_-(373)	CONDUIT		34.4
0.2395	0.0100				
Pipe_-(361)	Structure_-(374)	Structure_-(375)	CONDUIT		42.5
0.6940	0.0100				
Pipe_-(362)	Structure_-(375)	Structure_-(376)	CONDUIT		27.3
0.8805	0.0100				
Pipe_-(363)	Structure_-(376)	Structure_-(377)	CONDUIT		46.1
0.6508	0.0100				

Pipe_-(364)	Structure_-(377)	Structure_-(378)	CONDUIT	69.7
0.5312	0.0100			
Pipe_-(365)	Structure_-(378)	Structure_-(379)	CONDUIT	62.4
6.6209	0.0100			
Pipe_-(366)	Structure_-(379)	Structure_-(380)	CONDUIT	115.7
-0.6657	0.0120			
Pipe_-(367)	Structure_-(380)	Structure_-(381)	CONDUIT	75.7
0.2377	0.0120			
Pipe_-(369)	Structure_-(502)	Structure_-(379)	CONDUIT	25.0
15.5846	0.0100			
Pipe_-(37)	Structure_-(38)	Structure_-(39)	CONDUIT	56.8
0.1937	0.0120			
Pipe_-(370)	Structure_-(478)	Structure_-(379)	CONDUIT	133.0
0.0075	0.0120			
Pipe_-(374)	Structure_-(389)	Structure_-(390)	CONDUIT	139.2
0.0007	0.0220			
Pipe_-(375)	Structure_-(390)	Structure_-(391)	CONDUIT	166.0
0.2892	0.0220			
Pipe_-(376)	Structure_-(396)	Structure_-(391)	CONDUIT	90.0
0.9667	0.0220			
Pipe_-(377)	Structure_-(392)	Structure_-(393)	CONDUIT	116.8
0.8052	0.0120			
Pipe_-(378)	Structure_-(393)	Structure_-(394)	CONDUIT	88.4
2.2076	0.0120			
Pipe_-(379)	Structure_-(394)	Structure_-(395)	CONDUIT	79.8
2.2051	0.0120			
Pipe_-(38)	Structure_-(39)	Structure_-(40)	CONDUIT	89.7
0.1981	0.0120			
Pipe_-(380)	Structure_-(391)	Structure_-(392)	CONDUIT	63.5
6.3263	0.0220			
Pipe_-(381)	Structure_-(397)	Structure_-(393)	CONDUIT	15.5
8.4382	0.0100			
Pipe_-(382)	Structure_-(398)	Structure_-(393)	CONDUIT	53.2
1.6905	0.0100			
Pipe_-(383)	Structure_-(399)	Structure_-(398)	CONDUIT	40.0
1.7002	0.0100			
Pipe_-(384)	Structure_-(400)	Structure_-(393)	CONDUIT	79.0
1.1395	0.0100			
Pipe_-(385)	Structure_-(401)	Structure_-(400)	CONDUIT	109.0
1.1923	0.0100			
Pipe_-(386)	Structure_-(404)	Structure_-(401)	CONDUIT	67.7
1.6840	0.0100			
Pipe_-(387)	Structure_-(405)	Structure_-(404)	CONDUIT	40.0
2.0004	0.0100			
Pipe_-(389)	Structure_-(407)	Structure_-(394)	CONDUIT	17.5
16.2439	0.0100			
Pipe_-(39)	Structure_-(40)	Structure_-(41)	CONDUIT	115.8
1.8909	0.0120			
Pipe_-(390)	Structure_-(96)	Structure_-(408)	CONDUIT	43.9
0.2909	0.0120			
Pipe_-(4)	Structure_-(4)	Structure_-(5)	CONDUIT	160.9
0.1989	0.0120			
Pipe_-(40)	Structure_-(41)	Structure_-(42)	CONDUIT	40.0

0.0999	0.0120	Pipe_-(404)	Structure_-(426)	Structure593	CONDUIT	104.4
3.8451	0.0120	Pipe_-(405)	Structure_-(427)	Structure_-(426)	CONDUIT	62.6
0.4152	0.0120	Pipe_-(408)	Structure_-(431)	Outfall_002A	CONDUIT	950.0
1.0001	0.0100	Pipe_-(409)	Structure_-(432)	Structure_-(431)	CONDUIT	68.3
0.4978	0.0100	Pipe_-(41)	Structure_-(42)	Structure_-(43)	CONDUIT	199.0
0.2726	0.0120	Pipe_-(410)	Structure_-(433)	Structure_-(432)	CONDUIT	62.9
0.5084	0.0100	Pipe_-(411)	Structure_-(434)	Structure_-(433)	CONDUIT	230.9
0.5024	0.0100	Pipe_-(412)	Structure_-(435)	Structure_-(434)	CONDUIT	2.7
0.3663	0.0100	Pipe_-(42)	Structure_-(43)	Structure_-(44)	CONDUIT	122.0
0.1967	0.0120	Pipe_-(423)	Structure_-(446)	Structure_-(447)	CONDUIT	73.6
0.5030	0.0100	Pipe_-(424)	Structure_-(447)	Structure_-(448)	CONDUIT	63.1
0.4916	0.0100	Pipe_-(425)	Structure_-(448)	Structure_-(449)	CONDUIT	396.9
0.5014	0.0100	Pipe_-(426)	Structure_-(449)	Structure_-(450)	CONDUIT	119.9
0.5003	0.0100	Pipe_-(427)	Structure_-(450)	Structure_-(451)	CONDUIT	41.3
0.4839	0.0100	Pipe_-(429)	Structure_-(453)	Structure_-(454)	CONDUIT	11.8
0.0424	0.0100	Pipe_-(43)	Structure_-(44)	Structure_-(45)	CONDUIT	19.0
0.2105	0.0120	Pipe_-(430)	Structure_-(454)	Structure_-(455)	CONDUIT	27.1
0.0479	0.0100	Pipe_-(431)	Structure_-(455)	Structure_-(456)	CONDUIT	161.9
0.1236	0.0100	Pipe_-(432)	Structure_-(456)	Structure_-(457)	CONDUIT	40.0
0.2548	0.0140	Pipe_-(433)	Structure_-(457)	Structure_-(458)	CONDUIT	167.8
0.1375	0.0140	Pipe_-(434)	Facility77_PS	Structure_-(459)	CONDUIT	325.4
0.5010	0.0140	Pipe_-(435)	Structure_-(459)	Structure_-(460)	CONDUIT	8.3
0.4844	0.0140	Pipe_-(436)	Structure_-(460)	Structure_-(461)	CONDUIT	100.1
0.5992	0.0140	Pipe_-(437)	Structure_-(461)	Structure_-(462)	CONDUIT	31.1
0.4828	0.0140	Pipe_-(438)	Structure_-(462)	Structure_-(463)	CONDUIT	349.4
0.5009	0.0140	Pipe_-(439)	Structure_-(463)	Structure_-(446)	CONDUIT	7.0
-154.9749	0.0140					

Pipe_-(44)	Structure_-(45)	Structure_-(46)	CONDUIT	34.0
0.2059	0.0120			
Pipe_-(443)	Structure_-(470)	Structure_-(469)	CONDUIT	101.0
3.5720	0.0120			
Pipe_-(444)	Structure_-(471)	Structure_-(470)	CONDUIT	38.1
0.4466	0.0120			
Pipe_-(445)	Structure_-(472)	Structure_-(471)	CONDUIT	26.9
0.4826	0.0120			
Pipe_-(446)	Structure_-(473)	Structure_-(472)	CONDUIT	17.0
0.5153	0.0120			
Pipe_-(447)	Structure_-(475)	Structure_-(476)	CONDUIT	23.2
0.4732	0.0100			
Pipe_-(448)	Structure_-(476)	Structure_-(477)	CONDUIT	64.1
0.4993	0.0100			
Pipe_-(449)	Structure_-(477)	Structure_-(478)	CONDUIT	65.6
0.5027	0.0100			
Pipe_-(45)	Structure_-(46)	Structure_-(47)	CONDUIT	102.3
0.4498	0.0240			
Pipe_-(450)	Structure593	Structure_-(478)	CONDUIT	68.2
0.0440	0.0120			
Pipe_-(452)	Structure_-(481)	Structure_-(453)	CONDUIT	1398.0
0.0036	0.0100			
Pipe_-(453)	Structure_-(482)	Structure_-(481)	CONDUIT	89.7
0.0558	0.0100			
Pipe_-(454)	Structure_-(483)	Structure_-(482)	CONDUIT	107.6
0.0465	0.0100			
Pipe_-(455)	Structure_-(484)	Structure_-(483)	CONDUIT	26.5
0.4524	0.0100			
Pipe_-(456)	Structure_-(485)	Structure_-(484)	CONDUIT	20.4
0.1473	0.0100			
Pipe_-(460)	Structure_-(487)	Structure_-(477)	CONDUIT	26.7
0.4866	0.0100			
Pipe_-(461)	Structure_-(395)	Structure587	CONDUIT	54.5
0.0018	0.0240			
Pipe_-(462)	Structure_-(489)	Structure_-(395)	CONDUIT	49.0
0.9193	0.0240			
Pipe_-(467)	SDMH297	SDMH301	CONDUIT	257.0
0.0700	0.0120			
Pipe_-(47)	Structure_-(47)	Structure_-(50)	CONDUIT	73.5
0.6123	0.0220			
Pipe_-(474)	Structure_-(98)	Structure_-(495)	CONDUIT	29.9
0.3010	0.0120			
Pipe_-(49)	Structure_-(50)	Structure_-(51)	CONDUIT	84.8
0.3065	0.0220			
Pipe_-(5)	Structure_-(5)	Structure_-(6)	CONDUIT	336.7
0.1990	0.0120			
Pipe_-(50)	Structure_-(51)	Structure_-(52)	CONDUIT	103.2
0.2132	0.0220			
Pipe_-(51)	Structure_-(52)	Structure_-(53)	CONDUIT	143.4
0.0070	0.0220			
Pipe_-(52)	Structure_-(53)	Structure_-(54)	CONDUIT	210.5
0.0131	0.0120			
Pipe_-(53)	Structure_-(54)	Facility77_Inlet	CONDUIT	122.3



0.3126	0.0220	Pipe_-(54)	Structure_-(57)	Structure_-(56)	CONDUIT	105.3
0.1995	0.0120	Pipe_-(55)	Structure_-(58)	Structure_-(57)	CONDUIT	51.9
0.1927	0.0120	Pipe_-(56)	Structure_-(59)	Structure_-(58)	CONDUIT	154.5
0.2006	0.0120	Pipe_-(57)	Structure_-(60)	Structure_-(59)	CONDUIT	60.0
0.2000	0.0120	Pipe_-(58)	Structure_-(61)	Structure_-(60)	CONDUIT	48.0
0.2083	0.0120	Pipe_-(59)	Structure_-(62)	Structure_-(61)	CONDUIT	50.4
0.1983	0.0120	Pipe_-(6)	Structure_-(6)	Structure_-(7)	CONDUIT	172.8
0.2012	0.0120	Pipe_-(60)	Structure_-(63)	Structure_-(62)	CONDUIT	125.3
0.1995	0.0120	Pipe_-(65)	Structure_-(70)	Structure_-(37)	CONDUIT	40.0
0.1999	0.0120	Pipe_-(66)	Structure_-(71)	Structure_-(70)	CONDUIT	54.1
2.0504	0.0120	Pipe_-(67)	Structure_-(72)	Structure_-(71)	CONDUIT	30.2
0.1988	0.0120	Pipe_-(68)	Structure_-(73)	Structure_-(72)	CONDUIT	134.3
0.2011	0.0120	Pipe_-(69)	Structure_-(74)	Structure_-(73)	CONDUIT	120.0
0.2000	0.0120	Pipe_-(7)	Structure_-(7)	Structure_-(8)	CONDUIT	122.8
0.2056	0.0140	Pipe_-(70)	Structure_-(75)	Structure_-(74)	CONDUIT	120.0
0.2000	0.0120	Pipe_-(71)	Structure_-(76)	Structure_-(75)	CONDUIT	120.0
0.2000	0.0120	Pipe_-(72)	Structure_-(77)	Structure_-(76)	CONDUIT	120.0
0.2000	0.0120	Pipe_-(73)	Structure_-(78)	Structure_-(77)	CONDUIT	120.0
0.2000	0.0120	Pipe_-(74)	Structure_-(79)	Structure_-(38)	CONDUIT	104.5
0.1913	0.0120	Pipe_-(75)	Structure_-(80)	Structure_-(79)	CONDUIT	143.3
0.2024	0.0120	Pipe_-(76)	Structure_-(81)	Structure_-(80)	CONDUIT	120.0
0.2000	0.0120	Pipe_-(77)	Structure_-(82)	Structure_-(81)	CONDUIT	120.0
0.2000	0.0120	Pipe_-(78)	Structure_-(83)	Structure_-(82)	CONDUIT	120.0
0.2000	0.0120	Pipe_-(79)	Structure_-(84)	Structure_-(83)	CONDUIT	120.0
0.2000	0.0120	Pipe_-(8)	Structure_-(8)	Structure_-(9)	CONDUIT	138.0
0.2029	0.0140	Pipe_-(80)	Structure_-(85)	Structure_-(84)	CONDUIT	120.0
0.2000	0.0120					

Pipe_-(81)	Structure_-(86)	Structure_-(42)	CONDUIT	73.5
3.1325 0.0120				
Pipe_-(82)	Structure_-(87)	Structure_-(86)	CONDUIT	22.4
0.3571 0.0120				
Pipe_-(83)	Structure_-(88)	Structure_-(87)	CONDUIT	47.0
0.3830 0.0120				
Pipe_-(84)	Structure_-(89)	Structure_-(88)	CONDUIT	27.4
0.3283 0.0120				
Pipe_-(85)	Structure_-(90)	Structure_-(89)	CONDUIT	102.0
0.1349 0.0120				
Pipe_-(87)	Structure_-(92)	Structure_-(90)	CONDUIT	49.7
2.2385 0.0120				
Pipe_-(88)	Structure_-(93)	Structure_-(92)	CONDUIT	74.6
0.4824 0.0120				
Pipe_-(89)	Structure_-(94)	Structure_-(93)	CONDUIT	42.4
0.4011 0.0120				
Pipe_-(9)	Structure_-(9)	Structure_-(10)	CONDUIT	265.4
0.0301 0.0140				
Pipe_-(90)	Structure_-(95)	Structure_-(94)	CONDUIT	16.9
0.1040 0.0120				
Pipe_-(91)	Structure_-(408)	Structure_-(95)	CONDUIT	30.5
0.0735 0.0120				
Pipe_-(92)	Structure_-(97)	Structure_-(96)	CONDUIT	118.4
0.2957 0.0120				
Pipe_-(93)	Structure_-(495)	Structure_-(97)	CONDUIT	29.5
0.3049 0.0120				
Pipe_-(94)	Structure_-(99)	Structure_-(98)	CONDUIT	63.1
0.3013 0.0120				
Pipe_-(95)	Structure_-(100)	Structure_-(99)	CONDUIT	98.8
0.3036 0.0120				
Pipe_-(96)	Structure_-(101)	Structure_-(100)	CONDUIT	16.8
0.2977 0.0120				
Pipe_-(97)	Structure_-(102)	Structure_-(99)	CONDUIT	59.7
0.3017 0.0120				
Pipe_PS_A	Structure_-(373)	Structure_-(485)	CONDUIT	10.0
42.3538 0.0100				
Pipe_PS_B	Structure602	Structure_-(47)	CONDUIT	280.0
0.0107 0.0140				
Pipe468	SDMH301	Ditch5_Inlet	CONDUIT	77.0
0.0649 0.0120				
Pipe483	SDCB294	Structure521	CONDUIT	80.1
0.9983 0.0120				
PSC_Overflow	PSC_Sump	Structure_-(489)	CONDUIT	142.0
6.5350 0.0220				
PSC_to_Outfall	PSC_Outlet	Structure_-(435)	CONDUIT	600.0
2.5075 0.0100				
Roadside_Culvert	Roadside_Connection	Ditch9_10_11	CONDUIT	45.0
0.4889 0.0120				
SU1-2_Force1	SU1-2_PSOut	SU1-2_J1	CONDUIT	420.0
0.0002 0.0100				
SU1-2_Force2_1	SU1-2_J1	SU1-2_J1-2	CONDUIT	405.0
0.4938 0.0100				
SU1-2_Force2_2	SU1-2_J1-2	SU1-2_J2	CONDUIT	1215.0

0.4938	0.0100	SU1-2_Force3	SU1-2_J2	Structure_-(431)	CONDUIT	450.0
1.6380	0.0100	SU1-2_SouthDitch	SU1-2_South	SU1-2_Central	CONDUIT	750.0
1.0667	0.0250	SU67-FM1	SU67-J1	SU67-J2	CONDUIT	1380.0
0.1884	0.0100	SU67-FM2	SU67-J2	SU67-J3	CONDUIT	600.0
0.2167	0.0100	SU67-FM3	SU67-J3	SU67-J4	CONDUIT	140.0
0.1429	0.0100	SU67-FM4	SU67-J4	SU67-J5	CONDUIT	225.0
1.3512	0.0100	SU67-FM5	SU67-J5	SU67-J6	CONDUIT	225.0
0.4133	0.0100	SU67-FM6	SU67-J6	SU67-J7	CONDUIT	110.0
0.4182	0.0100	SU67-FM7	SU67-J7	Structure_-(431)	CONDUIT	1240.0
0.8081	0.0100	SU6-E	SU6-1E	SU6-1NE	CONDUIT	520.0
0.2500	0.0250	SU6-SU7_1	SU6-1NE	SU6-7	CONDUIT	84.0
0.5000	0.0120	SU6-SU7_2	SU6-7	PS_SU6-7	CONDUIT	84.0
0.6191	0.0120	SU6-W	SU6-1S	SU6-1NE	CONDUIT	760.0
0.2500	0.0250	SU7-Culvert	SU7-3W	SU6-7	CONDUIT	94.0
0.5000	0.0120	SU7-W	SU7-2W	SU7-3W	CONDUIT	240.0
0.2500	0.0250	UDitch_Single	Ditch3_Out	UDitch_Out	CONDUIT	670.0
0.0746	0.0250	UDitch_Transition	UDitch_Out	Ditch4_Out	CONDUIT	450.0
1.0001	0.0250	004Pump1	PS004	Structure_-(23)	TYPE3 PUMP	
		77Pump1	Facility77_Inlet	Facility77_PS	TYPE3 PUMP	
		77Pump2	Facility77_Inlet	Facility77_PS	TYPE3 PUMP	
		CPump1	PSC_Sump	PSC_Outlet	TYPE4 PUMP	
		CPump2	PSC_Sump	PSC_Outlet	TYPE4 PUMP	
		PumpSU7-1	PS_SU6-7	SU67-J1	TYPE4 PUMP	
		SU1-2_Pump	SU1-2_PS	SU1-2_PSOut	TYPE4 PUMP	
		W1	SU1-2_PS	SU1-2_Overflow	WEIR	
		PondOutlet	RetenionPond	PSC_Sump	OUTLET	

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Cross Section Summary  
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of	Full		Full	Full	Hyd.	Max.	No.
Barrels	Conduit	Shape	Depth	Area	Rad.	Width	
	Flow						

172_to_Inlet	CIRCULAR	4.00	12.57	1.00	4.00
1 3496.98					
278_to_PS_B	CIRCULAR	2.25	3.98	0.56	2.25
1 86.47					
381_to_PS77	RECT_CLOSED	3.00	51.90	1.28	17.30
1 239.39					
458_to_Inlet	CIRCULAR	1.67	2.18	0.42	1.67
1 239.93					
469_to_Inlet	CIRCULAR	2.00	3.14	0.50	2.00
1 550.74					
C1_1	TRAPEZOIDAL	2.00	32.00	1.30	24.00
1 124.41					
C1_2	CIRCULAR	2.00	3.14	0.50	2.00
1 17.33					
Culvert11	CIRCULAR	2.00	3.14	0.50	2.00
1 20.87					
Culvert12	CIRCULAR	1.00	0.79	0.25	1.00
1 0.70					
Culvert12a	CIRCULAR	1.00	0.79	0.25	1.00
2 0.70					
Culvert12c	CIRCULAR	3.00	7.07	0.75	3.00
1 2.09					
Ditch_77	TRAPEZOIDAL	1.30	36.54	0.92	39.42
1 22.12					
Ditch11	TRAPEZOIDAL	3.50	35.00	1.88	17.00
1 155.41					
Ditch12	TRAPEZOIDAL	3.50	35.00	1.88	17.00
1 65.10					
Ditch12a	TRAPEZOIDAL	3.50	35.00	1.88	17.00
1 60.35					
Ditch13	TRAPEZOIDAL	2.60	52.78	1.82	28.10
1 11.33					
Ditch14	TRAPEZOIDAL	1.30	36.54	0.92	39.42
1 113.27					
Ditch15	TRAPEZOIDAL	1.30	10.73	0.64	16.51
1 19.92					
Ditch16	TRAPEZOIDAL	1.90	39.71	0.95	41.80
1 120.37					
Ditch17	TRAPEZOIDAL	3.40	43.86	2.17	18.00
1 340.31					
Ditch18	TRAPEZOIDAL	3.20	39.04	1.88	19.40
1 281.37					
Ditch2	TRAPEZOIDAL	5.00	450.00	4.22	105.00
1 1952.52					
Ditch3	TRAPEZOIDAL	5.00	325.00	3.98	80.00
1 1356.45					
Ditch4_1	TRAPEZOIDAL	5.00	325.00	3.98	80.00
1 1315.95					
Ditch4_2	TRAPEZOIDAL	5.00	325.00	3.98	80.00
1 1315.95					

1	Ditch4_489	TRAPEZOIDAL	11.00	374.00	6.11	56.00
	87.88					
1	Ditch5	TRAPEZOIDAL	4.90	104.86	3.13	31.20
	420.61					
1	Ditch6	TRAPEZOIDAL	7.00	152.95	3.90	35.85
	55.49					
1	Ditch7	TRAPEZOIDAL	6.00	130.80	3.54	34.10
	713.90					
1	Ditch8	TRAPEZOIDAL	6.85	117.31	3.17	34.25
	917.65					
1	Ditch9	TRAPEZOIDAL	3.50	35.00	1.88	17.00
	211.85					
1	Facility73_to_Pond	FORCE_MAIN	1.33	1.40	0.33	1.33
	3.46					
1	Pipe_-(1)	CIRCULAR	1.50	1.77	0.38	1.50
	5.02					
1	Pipe_-(10)	CIRCULAR	3.00	7.07	0.75	3.00
	5.34					
1	Pipe_-(10)-(1)	CIRCULAR	3.00	7.07	0.75	3.00
	13.42					
1	Pipe_-(117)	CIRCULAR	1.75	2.41	0.44	1.75
	22.51					
1	Pipe_-(118)	CIRCULAR	1.75	2.41	0.44	1.75
	10.04					
1	Pipe_-(119)	CIRCULAR	1.75	2.41	0.44	1.75
	16.34					
1	Pipe_-(120)	CIRCULAR	1.25	1.23	0.31	1.25
	3.29					
1	Pipe_-(122)	CIRCULAR	1.25	1.23	0.31	1.25
	4.94					
1	Pipe_-(123)	CIRCULAR	1.00	0.79	0.25	1.00
	3.44					
1	Pipe_-(124)	CIRCULAR	1.00	0.79	0.25	1.00
	2.43					
1	Pipe_-(125)	CIRCULAR	1.00	0.79	0.25	1.00
	4.40					
1	Pipe_-(126)	CIRCULAR	1.00	0.79	0.25	1.00
	5.06					
1	Pipe_-(127)	CIRCULAR	1.25	1.23	0.31	1.25
	4.86					
1	Pipe_-(128)	CIRCULAR	1.00	0.79	0.25	1.00
	3.41					
1	Pipe_-(130)	CIRCULAR	1.00	0.79	0.25	1.00
	5.75					
1	Pipe_-(133)	CIRCULAR	1.00	0.79	0.25	1.00
	5.00					
1	Pipe_-(134)	CIRCULAR	1.00	0.79	0.25	1.00
	1.75					
1	Pipe_-(135)	CIRCULAR	1.00	0.79	0.25	1.00
	1.76					
1	Pipe_-(136)	CIRCULAR	1.00	0.79	0.25	1.00
	7.18					
1	Pipe_-(137)	CIRCULAR	1.00	0.79	0.25	1.00

1	6.68					
	Pipe_-(138)	CIRCULAR	1.00	0.79	0.25	1.00
1	6.69					
	Pipe_-(153)	CIRCULAR	1.00	0.79	0.25	1.00
1	3.45					
	Pipe_-(154)	CIRCULAR	1.25	1.23	0.31	1.25
1	6.35					
	Pipe_-(155)	CIRCULAR	1.50	1.77	0.38	1.50
1	8.07					
	Pipe_-(156)	CIRCULAR	1.75	2.41	0.44	1.75
1	9.91					
	Pipe_-(157)	CIRCULAR	1.75	2.41	0.44	1.75
1	10.81					
	Pipe_-(158)	CIRCULAR	1.75	2.41	0.44	1.75
1	10.15					
	Pipe_-(159)	CIRCULAR	1.75	2.41	0.44	1.75
1	14.77					
	Pipe_-(160)	CIRCULAR	2.00	3.14	0.50	2.00
1	10.93					
	Pipe_-(161)	CIRCULAR	2.00	3.14	0.50	2.00
1	10.72					
	Pipe_-(162)	CIRCULAR	2.00	3.14	0.50	2.00
1	69.11					
	Pipe_-(163)	CIRCULAR	4.00	12.57	1.00	4.00
1	140.50					
	Pipe_-(164)	CIRCULAR	2.75	5.94	0.69	2.75
1	102.81					
	Pipe_-(165)	CIRCULAR	2.00	3.14	0.50	2.00
1	19.67					
	Pipe_-(166)	CIRCULAR	1.50	1.77	0.38	1.50
1	5.77					
	Pipe_-(167)	CIRCULAR	1.50	1.77	0.38	1.50
1	10.29					
	Pipe_-(168)	CIRCULAR	1.50	1.77	0.38	1.50
1	7.20					
	Pipe_-(169)	CIRCULAR	1.50	1.77	0.38	1.50
1	7.57					
	Pipe_-(170)	CIRCULAR	1.25	1.23	0.31	1.25
1	4.67					
	Pipe_-(171)	CIRCULAR	1.25	1.23	0.31	1.25
1	2.22					
	Pipe_-(172)	CIRCULAR	1.00	0.79	0.25	1.00
1	3.07					
	Pipe_-(18)	CIRCULAR	1.75	2.41	0.44	1.75
1	8.14					
	Pipe_-(19)	CIRCULAR	1.50	1.77	0.38	1.50
1	5.09					
	Pipe_-(196)	CIRCULAR	2.00	3.14	0.50	2.00
1	47.37					
	Pipe_-(197)	CIRCULAR	2.00	3.14	0.50	2.00
1	10.84					
	Pipe_-(198)	CIRCULAR	2.00	3.14	0.50	2.00
1	15.77					

1	Pipe_-(199)	CIRCULAR	1.75	2.41	0.44	1.75
	14.77					
1	Pipe_-(2)	CIRCULAR	1.50	1.77	0.38	1.50
	5.10					
1	Pipe_-(20)	CIRCULAR	1.50	1.77	0.38	1.50
	5.07					
1	Pipe_-(200)	CIRCULAR	1.75	2.41	0.44	1.75
	10.15					
1	Pipe_-(201)	CIRCULAR	1.75	2.41	0.44	1.75
	10.26					
1	Pipe_-(202)	CIRCULAR	1.75	2.41	0.44	1.75
	10.41					
1	Pipe_-(203)	CIRCULAR	1.50	1.77	0.38	1.50
	8.07					
1	Pipe_-(204)	CIRCULAR	1.25	1.23	0.31	1.25
	6.35					
1	Pipe_-(205)	CIRCULAR	1.00	0.79	0.25	1.00
	3.45					
1	Pipe_-(206)	CIRCULAR	2.00	3.14	0.50	2.00
	57.73					
1	Pipe_-(207)	CIRCULAR	2.00	3.14	0.50	2.00
	10.72					
1	Pipe_-(208)	CIRCULAR	2.00	3.14	0.50	2.00
	18.41					
1	Pipe_-(209)	CIRCULAR	2.00	3.14	0.50	2.00
	17.40					
1	Pipe_-(210)	CIRCULAR	1.75	2.41	0.44	1.75
	13.58					
1	Pipe_-(211)	CIRCULAR	1.75	2.41	0.44	1.75
	12.23					
1	Pipe_-(212)	CIRCULAR	1.75	2.41	0.44	1.75
	11.62					
1	Pipe_-(213)	CIRCULAR	1.75	2.41	0.44	1.75
	11.10					
1	Pipe_-(214)	CIRCULAR	1.50	1.77	0.38	1.50
	8.21					
1	Pipe_-(215)	CIRCULAR	1.25	1.23	0.31	1.25
	4.95					
1	Pipe_-(22)	FORCE_MAIN	0.25	0.05	0.06	0.25
	0.05					
1	Pipe_-(221)	CIRCULAR	3.00	7.07	0.75	3.00
	98.66					
1	Pipe_-(222)	CIRCULAR	2.50	4.91	0.63	2.50
	55.06					
1	Pipe_-(223)	CIRCULAR	2.00	3.14	0.50	2.00
	25.18					
1	Pipe_-(224)	CIRCULAR	2.00	3.14	0.50	2.00
	18.99					
1	Pipe_-(225)	CIRCULAR	2.00	3.14	0.50	2.00
	20.50					
1	Pipe_-(226)	CIRCULAR	1.75	2.41	0.44	1.75
	14.77					
1	Pipe_-(227)	CIRCULAR	1.75	2.41	0.44	1.75

1	10.15					
	Pipe_-(228)	CIRCULAR	1.75	2.41	0.44	1.75
1	11.08					
	Pipe_-(229)	CIRCULAR	1.75	2.41	0.44	1.75
1	9.71					
	Pipe_-(23)	FORCE_MAIN	0.50	0.20	0.13	0.50
1	0.29					
	Pipe_-(230)	CIRCULAR	1.50	1.77	0.38	1.50
1	8.07					
	Pipe_-(231)	CIRCULAR	1.25	1.23	0.31	1.25
1	6.62					
	Pipe_-(232)	CIRCULAR	1.00	0.79	0.25	1.00
1	3.33					
	Pipe_-(234)	CIRCULAR	1.50	1.77	0.38	1.50
1	7.85					
	Pipe_-(235)	CIRCULAR	1.50	1.77	0.38	1.50
1	11.72					
	Pipe_-(236)	CIRCULAR	1.50	1.77	0.38	1.50
1	5.98					
	Pipe_-(237)	CIRCULAR	2.00	3.14	0.50	2.00
1	87.40					
	Pipe_-(238)	CIRCULAR	2.00	3.14	0.50	2.00
1	11.37					
	Pipe_-(239)	CIRCULAR	2.00	3.14	0.50	2.00
1	15.77					
	Pipe_-(24)	FORCE_MAIN	0.50	0.20	0.13	0.50
1	0.29					
	Pipe_-(240)	CIRCULAR	1.75	2.41	0.44	1.75
1	14.77					
	Pipe_-(241)	CIRCULAR	1.75	2.41	0.44	1.75
1	10.15					
	Pipe_-(242)	CIRCULAR	1.75	2.41	0.44	1.75
1	10.81					
	Pipe_-(243)	CIRCULAR	1.75	2.41	0.44	1.75
1	9.91					
	Pipe_-(244)	CIRCULAR	1.50	1.77	0.38	1.50
1	7.93					
	Pipe_-(245)	CIRCULAR	1.25	1.23	0.31	1.25
1	6.44					
	Pipe_-(246)	CIRCULAR	1.00	0.79	0.25	1.00
1	3.45					
	Pipe_-(247)	CIRCULAR	2.00	3.14	0.50	2.00
1	104.84					
	Pipe_-(248)	CIRCULAR	2.00	3.14	0.50	2.00
1	10.72					
	Pipe_-(249)	CIRCULAR	2.00	3.14	0.50	2.00
1	18.41					
	Pipe_-(25)	FORCE_MAIN	0.50	0.20	0.13	0.50
1	0.29					
	Pipe_-(250)	CIRCULAR	2.00	3.14	0.50	2.00
1	17.40					
	Pipe_-(251)	CIRCULAR	1.75	2.41	0.44	1.75
1	13.58					



1	Pipe_-(252)	CIRCULAR	1.75	2.41	0.44	1.75
	12.23					
1	Pipe_-(253)	CIRCULAR	1.75	2.41	0.44	1.75
	11.62					
1	Pipe_-(254)	CIRCULAR	1.75	2.41	0.44	1.75
	11.10					
1	Pipe_-(255)	CIRCULAR	1.50	1.77	0.38	1.50
	8.21					
1	Pipe_-(256)	CIRCULAR	1.25	1.23	0.31	1.25
	5.31					
1	Pipe_-(257)	CIRCULAR	1.00	0.79	0.25	1.00
	2.75					
1	Pipe_-(258)	CIRCULAR	1.00	0.79	0.25	1.00
	0.25					
1	Pipe_-(259)	CIRCULAR	1.00	0.79	0.25	1.00
	2.66					
1	Pipe_-(26)	FORCE_MAIN	0.50	0.20	0.13	0.50
	0.30					
1	Pipe_-(260)	CIRCULAR	0.50	0.20	0.13	0.50
	0.53					
1	Pipe_-(261)	CIRCULAR	1.00	0.79	0.25	1.00
	2.64					
1	Pipe_-(264)	CIRCULAR	1.25	1.23	0.31	1.25
	2.66					
1	Pipe_-(265)	CIRCULAR	1.50	1.77	0.38	1.50
	4.77					
1	Pipe_-(266)	CIRCULAR	1.50	1.77	0.38	1.50
	7.14					
1	Pipe_-(267)	CIRCULAR	2.00	3.14	0.50	2.00
	15.43					
1	Pipe_-(268)	CIRCULAR	2.25	3.98	0.56	2.25
	25.00					
1	Pipe_-(27)	FORCE_MAIN	0.50	0.20	0.13	0.50
	0.29					
1	Pipe_-(277)	CIRCULAR	1.25	1.23	0.31	1.25
	11.64					
1	Pipe_-(278)	CIRCULAR	1.00	0.79	0.25	1.00
	3.54					
1	Pipe_-(28)	FORCE_MAIN	0.50	0.20	0.13	0.50
	0.29					
1	Pipe_-(285)	CIRCULAR	1.00	0.79	0.25	1.00
	3.27					
1	Pipe_-(288)	CIRCULAR	1.75	2.41	0.44	1.75
	14.24					
1	Pipe_-(29)	FORCE_MAIN	0.50	0.20	0.13	0.50
	0.29					
1	Pipe_-(295)	CIRCULAR	1.00	0.79	0.25	1.00
	10.53					
1	Pipe_-(296)	CIRCULAR	1.00	0.79	0.25	1.00
	3.20					
1	Pipe_-(3)	CIRCULAR	1.50	1.77	0.38	1.50
	5.09					
1	Pipe_-(30)	FORCE_MAIN	0.50	0.20	0.13	0.50

1	0.29					
	Pipe_-(307)	CIRCULAR	1.50	1.77	0.38	1.50
1	4.77					
	Pipe_-(308)	CIRCULAR	1.50	1.77	0.38	1.50
1	4.65					
	Pipe_-(309)	CIRCULAR	1.50	1.77	0.38	1.50
1	4.54					
	Pipe_-(31)	FORCE_MAIN	0.50	0.20	0.13	0.50
1	0.29					
	Pipe_-(310)	CIRCULAR	1.75	2.41	0.44	1.75
1	17.77					
	Pipe_-(311)	CIRCULAR	2.50	4.91	0.63	2.50
1	34.17					
	Pipe_-(312)	CIRCULAR	2.50	4.91	0.63	2.50
1	22.34					
	Pipe_-(313)	CIRCULAR	1.25	1.23	0.31	1.25
1	1.46					
	Pipe_-(314)	CIRCULAR	1.00	0.79	0.25	1.00
1	3.94					
	Pipe_-(319)	CIRCULAR	0.50	0.20	0.13	0.50
1	1.40					
	Pipe_-(32)	FORCE_MAIN	0.50	0.20	0.13	0.50
1	0.29					
	Pipe_-(320)	CIRCULAR	0.50	0.20	0.13	0.50
1	1.59					
	Pipe_-(321)	CIRCULAR	1.25	1.23	0.31	1.25
1	12.78					
	Pipe_-(322)	CIRCULAR	1.25	1.23	0.31	1.25
1	4.98					
	Pipe_-(323)	CIRCULAR	1.00	0.79	0.25	1.00
1	1.36					
	Pipe_-(327)	CIRCULAR	1.50	1.77	0.38	1.50
1	5.46					
	Pipe_-(328)	CIRCULAR	1.25	1.23	0.31	1.25
1	5.69					
	Pipe_-(329)	CIRCULAR	1.00	0.79	0.25	1.00
1	4.53					
	Pipe_-(33)	FORCE_MAIN	0.50	0.20	0.13	0.50
1	0.29					
	Pipe_-(331)	CIRCULAR	1.00	0.79	0.25	1.00
1	5.72					
	Pipe_-(333)	CIRCULAR	1.00	0.79	0.25	1.00
1	1.39					
	Pipe_-(334)	CIRCULAR	1.00	0.79	0.25	1.00
1	8.07					
	Pipe_-(337)	CIRCULAR	4.00	12.57	1.00	4.00
1	21.70					
	Pipe_-(338)	CIRCULAR	4.00	12.57	1.00	4.00
1	23.61					
	Pipe_-(34)	FORCE_MAIN	0.50	0.20	0.13	0.50
1	0.29					
	Pipe_-(340)	CIRCULAR	2.00	3.14	0.50	2.00
1	51.87					

1	Pipe_-(35)	CIRCULAR	3.50	9.62	0.88	3.50
	48.34					
1	Pipe_-(358)	CIRCULAR	1.50	1.77	0.38	1.50
	9.52					
1	Pipe_-(359)	CIRCULAR	1.50	1.77	0.38	1.50
	7.48					
1	Pipe_-(36)	CIRCULAR	3.50	9.62	0.88	3.50
	48.45					
1	Pipe_-(360)	CIRCULAR	1.50	1.77	0.38	1.50
	6.68					
1	Pipe_-(361)	CIRCULAR	0.67	0.35	0.17	0.67
	1.31					
1	Pipe_-(362)	CIRCULAR	0.67	0.35	0.17	0.67
	1.47					
1	Pipe_-(363)	CIRCULAR	0.67	0.35	0.17	0.67
	1.27					
1	Pipe_-(364)	CIRCULAR	1.00	0.79	0.25	1.00
	3.38					
1	Pipe_-(365)	CIRCULAR	1.00	0.79	0.25	1.00
	11.92					
1	Pipe_-(366)	CIRCULAR	3.50	9.62	0.88	3.50
	88.93					
1	Pipe_-(367)	CIRCULAR	3.50	9.62	0.88	3.50
	53.14					
1	Pipe_-(369)	CIRCULAR	0.67	0.35	0.17	0.67
	6.20					
1	Pipe_-(37)	CIRCULAR	3.50	9.62	0.88	3.50
	47.97					
1	Pipe_-(370)	CIRCULAR	3.00	7.07	0.75	3.00
	6.27					
1	Pipe_-(374)	CIRCULAR	1.00	0.79	0.25	1.00
	0.06					
1	Pipe_-(375)	CIRCULAR	1.00	0.79	0.25	1.00
	1.13					
1	Pipe_-(376)	CIRCULAR	1.33	1.40	0.33	1.33
	4.46					
1	Pipe_-(377)	CIRCULAR	1.50	1.77	0.38	1.50
	10.21					
1	Pipe_-(378)	CIRCULAR	1.50	1.77	0.38	1.50
	16.91					
1	Pipe_-(379)	CIRCULAR	1.50	1.77	0.38	1.50
	16.90					
1	Pipe_-(38)	CIRCULAR	3.50	9.62	0.88	3.50
	48.51					
1	Pipe_-(380)	CIRCULAR	1.00	0.79	0.25	1.00
	5.30					
1	Pipe_-(381)	CIRCULAR	1.50	1.77	0.38	1.50
	39.67					
1	Pipe_-(382)	CIRCULAR	0.67	0.35	0.17	0.67
	2.04					
1	Pipe_-(383)	CIRCULAR	0.67	0.35	0.17	0.67
	2.05					
1	Pipe_-(384)	CIRCULAR	1.00	0.79	0.25	1.00

1	4.94					
	Pipe_-(385)	CIRCULAR	0.67	0.35	0.17	0.67
1	1.72					
	Pipe_-(386)	CIRCULAR	0.67	0.35	0.17	0.67
1	2.04					
	Pipe_-(387)	CIRCULAR	0.67	0.35	0.17	0.67
1	2.22					
	Pipe_-(389)	CIRCULAR	0.67	0.35	0.17	0.67
1	6.33					
	Pipe_-(39)	CIRCULAR	3.50	9.62	0.88	3.50
1	149.88					
	Pipe_-(390)	CIRCULAR	1.50	1.77	0.38	1.50
1	6.14					
	Pipe_-(4)	CIRCULAR	2.00	3.14	0.50	2.00
1	10.93					
	Pipe_-(40)	CIRCULAR	3.50	9.62	0.88	3.50
1	34.45					
	Pipe_-(404)	CIRCULAR	1.00	0.79	0.25	1.00
1	7.57					
	Pipe_-(405)	CIRCULAR	1.00	0.79	0.25	1.00
1	2.49					
	Pipe_-(408)	FORCE_MAIN	2.50	4.91	0.63	2.50
1	61.15					
	Pipe_-(409)	FORCE_MAIN	2.50	4.91	0.63	2.50
1	41.96					
	Pipe_-(41)	CIRCULAR	3.50	9.62	0.88	3.50
1	56.91					
	Pipe_-(410)	FORCE_MAIN	2.50	4.91	0.63	2.50
1	42.44					
	Pipe_-(411)	FORCE_MAIN	2.50	4.91	0.63	2.50
1	42.16					
	Pipe_-(412)	FORCE_MAIN	2.50	4.91	0.63	2.50
1	35.55					
	Pipe_-(42)	CIRCULAR	3.50	9.62	0.88	3.50
1	48.34					
	Pipe_-(423)	FORCE_MAIN	1.50	1.77	0.38	1.50
1	11.24					
	Pipe_-(424)	FORCE_MAIN	1.50	1.77	0.38	1.50
1	11.10					
	Pipe_-(425)	FORCE_MAIN	1.50	1.77	0.38	1.50
1	11.22					
	Pipe_-(426)	FORCE_MAIN	1.50	1.77	0.38	1.50
1	11.20					
	Pipe_-(427)	FORCE_MAIN	1.50	1.77	0.38	1.50
1	11.00					
	Pipe_-(429)	CIRCULAR	1.50	1.77	0.38	1.50
1	2.81					
	Pipe_-(43)	CIRCULAR	3.50	9.62	0.88	3.50
1	50.01					
	Pipe_-(430)	CIRCULAR	1.50	1.77	0.38	1.50
1	2.99					
	Pipe_-(431)	CIRCULAR	1.50	1.77	0.38	1.50
1	4.80					

1	Pipe_-(432)	CIRCULAR	1.67	2.18	0.42	1.67
	6.52					
1	Pipe_-(433)	CIRCULAR	1.67	2.18	0.42	1.67
	4.79					
1	Pipe_-(434)	FORCE_MAIN	1.67	2.18	0.42	1.67
	13.75					
1	Pipe_-(435)	FORCE_MAIN	1.67	2.18	0.42	1.67
	13.50					
1	Pipe_-(436)	FORCE_MAIN	1.67	2.18	0.42	1.67
	15.14					
1	Pipe_-(437)	FORCE_MAIN	1.67	2.18	0.42	1.67
	13.48					
1	Pipe_-(438)	FORCE_MAIN	1.67	2.18	0.42	1.67
	13.75					
1	Pipe_-(439)	FORCE_MAIN	1.67	2.18	0.42	1.67
	304.16					
1	Pipe_-(44)	CIRCULAR	3.50	9.62	0.88	3.50
	49.46					
1	Pipe_-(443)	CIRCULAR	2.00	3.14	0.50	2.00
	46.32					
1	Pipe_-(444)	CIRCULAR	2.00	3.14	0.50	2.00
	16.38					
1	Pipe_-(445)	CIRCULAR	2.00	3.14	0.50	2.00
	17.03					
1	Pipe_-(446)	CIRCULAR	2.00	3.14	0.50	2.00
	17.59					
1	Pipe_-(447)	CIRCULAR	1.25	1.23	0.31	1.25
	5.78					
1	Pipe_-(448)	CIRCULAR	1.25	1.23	0.31	1.25
	5.93					
1	Pipe_-(449)	CIRCULAR	1.25	1.23	0.31	1.25
	5.95					
1	Pipe_-(45)	ARCH	3.33	14.23	1.00	5.42
	58.96					
1	Pipe_-(450)	CIRCULAR	3.00	7.07	0.75	3.00
	15.15					
1	Pipe_-(452)	CIRCULAR	1.50	1.77	0.38	1.50
	0.82					
1	Pipe_-(453)	CIRCULAR	1.50	1.77	0.38	1.50
	3.22					
1	Pipe_-(454)	CIRCULAR	1.50	1.77	0.38	1.50
	2.94					
1	Pipe_-(455)	CIRCULAR	1.50	1.77	0.38	1.50
	9.18					
1	Pipe_-(456)	CIRCULAR	1.50	1.77	0.38	1.50
	5.24					
1	Pipe_-(460)	CIRCULAR	0.50	0.20	0.13	0.50
	0.51					
1	Pipe_-(461)	CIRCULAR	3.00	7.07	0.75	3.00
	1.55					
1	Pipe_-(462)	CIRCULAR	3.00	7.07	0.75	3.00
	34.64					
1	Pipe_-(467)	CIRCULAR	4.00	12.57	1.00	4.00

1	41.18					
	Pipe_-(47)	ARCH	3.33	14.23	1.00	5.42
1	75.04					
	Pipe_-(474)	CIRCULAR	1.50	1.77	0.38	1.50
1	6.24					
	Pipe_-(49)	ARCH	3.33	14.23	1.00	5.42
1	53.10					
	Pipe_-(5)	CIRCULAR	2.00	3.14	0.50	2.00
1	10.93					
	Pipe_-(50)	ARCH	3.33	14.23	1.00	5.42
1	44.28					
	Pipe_-(51)	ARCH	3.33	14.23	1.00	5.42
1	8.01					
	Pipe_-(52)	ARCH	3.33	14.23	1.00	5.42
1	20.13					
	Pipe_-(53)	ARCH	3.33	14.23	1.00	5.42
1	53.62					
	Pipe_-(54)	CIRCULAR	1.50	1.77	0.38	1.50
1	5.08					
	Pipe_-(55)	CIRCULAR	1.50	1.77	0.38	1.50
1	4.99					
	Pipe_-(56)	CIRCULAR	1.50	1.77	0.38	1.50
1	5.10					
	Pipe_-(57)	CIRCULAR	1.50	1.77	0.38	1.50
1	5.09					
	Pipe_-(58)	CIRCULAR	1.50	1.77	0.38	1.50
1	5.19					
	Pipe_-(59)	CIRCULAR	1.50	1.77	0.38	1.50
1	5.07					
	Pipe_-(6)	CIRCULAR	2.00	3.14	0.50	2.00
1	10.99					
	Pipe_-(60)	CIRCULAR	1.50	1.77	0.38	1.50
1	5.08					
	Pipe_-(65)	CIRCULAR	1.50	1.77	0.38	1.50
1	5.09					
	Pipe_-(66)	CIRCULAR	1.50	1.77	0.38	1.50
1	16.29					
	Pipe_-(67)	CIRCULAR	1.50	1.77	0.38	1.50
1	5.07					
	Pipe_-(68)	CIRCULAR	1.50	1.77	0.38	1.50
1	5.10					
	Pipe_-(69)	CIRCULAR	1.50	1.77	0.38	1.50
1	5.09					
	Pipe_-(7)	CIRCULAR	2.50	4.91	0.63	2.50
1	17.27					
	Pipe_-(70)	CIRCULAR	1.50	1.77	0.38	1.50
1	5.09					
	Pipe_-(71)	CIRCULAR	1.50	1.77	0.38	1.50
1	5.09					
	Pipe_-(72)	CIRCULAR	1.50	1.77	0.38	1.50
1	5.09					
	Pipe_-(73)	CIRCULAR	1.25	1.23	0.31	1.25
1	3.13					

1	Pipe_-(74)	CIRCULAR	1.50	1.77	0.38	1.50
	4.98					
1	Pipe_-(75)	CIRCULAR	1.50	1.77	0.38	1.50
	5.12					
1	Pipe_-(76)	CIRCULAR	1.50	1.77	0.38	1.50
	5.09					
1	Pipe_-(77)	CIRCULAR	1.50	1.77	0.38	1.50
	5.09					
1	Pipe_-(78)	CIRCULAR	1.50	1.77	0.38	1.50
	5.09					
1	Pipe_-(79)	CIRCULAR	1.50	1.77	0.38	1.50
	5.09					
1	Pipe_-(8)	CIRCULAR	2.50	4.91	0.63	2.50
	17.15					
1	Pipe_-(80)	CIRCULAR	1.25	1.23	0.31	1.25
	3.13					
1	Pipe_-(81)	CIRCULAR	2.00	3.14	0.50	2.00
	43.38					
1	Pipe_-(82)	CIRCULAR	2.00	3.14	0.50	2.00
	14.65					
1	Pipe_-(83)	CIRCULAR	2.00	3.14	0.50	2.00
	15.17					
1	Pipe_-(84)	CIRCULAR	2.00	3.14	0.50	2.00
	14.04					
1	Pipe_-(85)	CIRCULAR	1.75	2.41	0.44	1.75
	6.30					
1	Pipe_-(87)	CIRCULAR	1.75	2.41	0.44	1.75
	25.68					
1	Pipe_-(88)	CIRCULAR	1.75	2.41	0.44	1.75
	11.92					
1	Pipe_-(89)	CIRCULAR	1.75	2.41	0.44	1.75
	10.87					
1	Pipe_-(9)	CIRCULAR	2.50	4.91	0.63	2.50
	6.61					
1	Pipe_-(90)	CIRCULAR	1.75	2.41	0.44	1.75
	5.54					
1	Pipe_-(91)	CIRCULAR	1.50	1.77	0.38	1.50
	3.09					
1	Pipe_-(92)	CIRCULAR	1.50	1.77	0.38	1.50
	6.19					
1	Pipe_-(93)	CIRCULAR	1.50	1.77	0.38	1.50
	6.28					
1	Pipe_-(94)	CIRCULAR	1.50	1.77	0.38	1.50
	6.25					
1	Pipe_-(95)	CIRCULAR	1.50	1.77	0.38	1.50
	6.27					
1	Pipe_-(96)	CIRCULAR	1.50	1.77	0.38	1.50
	6.21					
1	Pipe_-(97)	CIRCULAR	1.50	1.77	0.38	1.50
	6.25					
1	Pipe_PS_A	CIRCULAR	1.50	1.77	0.38	1.50
	88.87					
	Pipe_PS_B	CIRCULAR	2.50	4.91	0.63	2.50

1	3.94					
	Pipe468	CIRCULAR	2.00	3.14	0.50	2.00
1	6.25					
	Pipe483	CIRCULAR	1.00	0.79	0.25	1.00
1	3.86					
	PSC_Overflow	CIRCULAR	1.17	1.07	0.29	1.17
1	8.12					
	PSC_to_Outfall	FORCE_MAIN	1.67	2.18	0.42	1.67
1	25.78					
	Roadside_Culvert	CIRCULAR	2.00	3.14	0.50	2.00
1	17.14					
	SU1-2_Force1	FORCE_MAIN	0.99	0.77	0.25	0.99
1	0.06					
	SU1-2_Force2_1	FORCE_MAIN	0.99	0.77	0.25	0.99
1	3.57					
	SU1-2_Force2_2	FORCE_MAIN	0.99	0.77	0.25	0.99
1	3.57					
	SU1-2_Force3	FORCE_MAIN	0.99	0.77	0.25	0.99
1	6.82					
	SU1-2_SouthDitch	TRAPEZOIDAL	4.00	64.00	2.47	24.00
1	718.35					
	SU67-FM1	FORCE_MAIN	1.25	1.22	0.31	1.25
1	3.82					
	SU67-FM2	FORCE_MAIN	1.25	1.22	0.31	1.25
1	4.12					
	SU67-FM3	FORCE_MAIN	1.25	1.22	0.31	1.25
1	3.29					
	SU67-FM4	FORCE_MAIN	1.25	1.22	0.31	1.25
1	11.08					
	SU67-FM5	FORCE_MAIN	1.25	1.22	0.31	1.25
1	5.85					
	SU67-FM6	FORCE_MAIN	1.25	1.22	0.31	1.25
1	5.88					
	SU67-FM7	FORCE_MAIN	1.25	1.22	0.31	1.25
1	8.40					
	SU6-E	TRAPEZOIDAL	2.00	28.00	1.35	20.00
1	101.72					
	SU6-SU7_1	CIRCULAR	2.00	3.14	0.50	2.00
1	17.33					
	SU6-SU7_2	CIRCULAR	2.00	3.14	0.50	2.00
1	19.28					
	SU6-W	TRAPEZOIDAL	2.00	28.00	1.35	20.00
1	101.72					
	SU7-Culvert	CIRCULAR	2.00	3.14	0.50	2.00
1	17.33					
	SU7-W	TRAPEZOIDAL	2.00	60.00	1.68	35.00
1	251.62					
	UDitch_Single	TRAPEZOIDAL	5.00	825.00	4.54	180.00
1	3674.26					
	UDitch_Transition	TRAPEZOIDAL	14.00	938.00	8.26	109.00
1	22785.16					



\*\*\*\*\*  
 NOTE: The summary statistics displayed in this report are based on results found at every computational time step, not just on results from each reporting time step.  
 \*\*\*\*\*

\*\*\*\*\*  
 Analysis Options  
 \*\*\*\*\*

Flow Units ..... CFS  
 Process Models:  
 Rainfall/Runoff ..... YES  
 RDII ..... NO  
 Snowmelt ..... NO  
 Groundwater ..... NO  
 Flow Routing ..... YES  
 Ponding Allowed ..... YES  
 Water Quality ..... NO  
 Infiltration Method ..... HORTON  
 Flow Routing Method ..... DYNWAVE  
 Surcharge Method ..... EXTRAN  
 Starting Date ..... 11/15/1962 00:00:00  
 Ending Date ..... 11/28/1962 23:00:00  
 Antecedent Dry Days ..... 0.0  
 Report Time Step ..... 00:01:00  
 Wet Time Step ..... 00:05:00  
 Dry Time Step ..... 00:05:00  
 Routing Time Step ..... 1.00 sec  
 Variable Time Step ..... YES  
 Maximum Trials ..... 8  
 Number of Threads ..... 2  
 Head Tolerance ..... 0.005000 ft

*****	Volume	Depth
Runoff Quantity Continuity	acre-feet	inches
*****	-----	-----
Total Precipitation .....	0.000	0.000
Evaporation Loss .....	0.000	0.000
Infiltration Loss .....	0.000	0.000
Surface Runoff .....	0.000	0.000
Final Storage .....	0.000	0.000
Continuity Error (%) .....	0.000	

*****	Volume	Volume
Flow Routing Continuity	acre-feet	10^6 gal
*****	-----	-----
Dry Weather Inflow .....	0.000	0.000
Wet Weather Inflow .....	0.000	0.000
Groundwater Inflow .....	0.000	0.000
RDII Inflow .....	0.000	0.000

External Inflow .....	219.455	71.513
External Outflow .....	213.278	69.500
Flooding Loss .....	0.498	0.162
Evaporation Loss .....	0.000	0.000
Exfiltration Loss .....	0.000	0.000
Initial Stored Volume ....	6.074	1.979
Final Stored Volume .....	12.392	4.038
Continuity Error (%) .....	-0.283	

\*\*\*\*\*

Highest Continuity Errors

\*\*\*\*\*

Node Structure\_-(481) (6.09%)  
Node Structure\_-(458) (4.97%)  
Node Structure\_-(453) (4.84%)  
Node Structure\_-(483) (4.59%)  
Node Structure\_-(469) (2.97%)

\*\*\*\*\*

Time-Step Critical Elements

\*\*\*\*\*

Link 381\_to\_PS77 (53.62%)  
Link Pipe\_-(412) (21.27%)  
Link 469\_to\_Inlet (4.91%)  
Link 458\_to\_Inlet (4.63%)  
Link Pipe\_-(22) (2.31%)

\*\*\*\*\*

Highest Flow Instability Indexes

\*\*\*\*\*

Link Pipe\_-(462) (79)  
Link 469\_to\_Inlet (78)  
Link Pipe\_-(461) (78)  
Link Pipe\_-(247) (72)  
Link Pipe\_-(133) (71)

\*\*\*\*\*

Routing Time Step Summary

\*\*\*\*\*

Minimum Time Step	:	0.43 sec
Average Time Step	:	0.58 sec
Maximum Time Step	:	1.00 sec
Percent in Steady State	:	-0.00
Average Iterations per Step	:	6.31
Percent Not Converging	:	41.86
Time Step Frequencies	:	
1.000 - 0.871 sec	:	12.83 %
0.871 - 0.758 sec	:	1.35 %
0.758 - 0.660 sec	:	2.88 %

0.660 - 0.574 sec : 1.20 %  
 0.574 - 0.500 sec : 81.74 %

\*\*\*\*\*  
 Subcatchment Runoff Summary  
 \*\*\*\*\*

Perv	Total	Total	Total	Total	Total	Total	Imperv
Runoff	Runoff	Total	Peak	Runoff	Evap	Infil	Runoff
Subcatchment	in	Precip	Runon	Coeff	in	in	in
in	in	in	in		in	in	in
		10^6 gal	CFS				
2.1	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.000			
2.2	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.000			
2.3	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.000			
2.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.000			
3	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.000			
5	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.000			
A	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.000			
B	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.000			
C	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.000			
D	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.000			
E	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.000			
F	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.000			
G	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.000			
H	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.000			

\*\*\*\*\*  
 Node Depth Summary  
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Reported		Average	Maximum	Maximum	Time of Max	
Depth		Depth	Depth	HGL	Occurrence	
Node	Type	Feet	Feet	Feet	days	hr:min
Feet						Max
-----						
---						
CB19	JUNCTION	0.12	0.99	7.60	4	17:00
0.99						
CB22	JUNCTION	0.18	0.97	6.99	4	17:00
0.97						
CB30	JUNCTION	0.31	0.59	7.76	4	17:00
0.59						
CB31	JUNCTION	0.15	0.83	8.23	4	17:00
0.83						
CB33	JUNCTION	0.06	0.30	7.47	4	17:00
0.30						
Culvert_Ditch11	JUNCTION	2.78	7.83	10.54	5	20:08
7.81						
Culvert_Ditch12	JUNCTION	2.81	7.85	10.50	5	14:38
7.85						
Culvert_Ditch12a	JUNCTION	2.84	7.89	10.50	5	14:38
7.89						
Culvert_Ditch12b	JUNCTION	2.84	7.90	10.50	5	14:39
7.90						
Culvert_Ditch12c	JUNCTION	4.21	10.00	10.50	5	14:38
10.00						
Ditch1_2	JUNCTION	0.22	2.11	11.11	5	04:48
2.11						
Ditch11_12	JUNCTION	2.83	7.85	10.51	5	21:29
7.84						
Ditch12_18	JUNCTION	4.19	10.00	10.50	5	14:38
10.00						
Ditch14_15	JUNCTION	0.69	1.29	5.41	4	17:07
1.29						
Ditch15_16	JUNCTION	0.61	1.10	4.22	4	17:08
1.10						
Ditch16_17	JUNCTION	0.05	0.47	2.65	4	17:09
0.47						
Ditch17_5_6	JUNCTION	0.30	1.40	2.64	4	17:11
1.40						
Ditch2_3	JUNCTION	0.39	2.85	11.10	5	04:48
2.85						
Ditch3_Out	JUNCTION	0.46	3.10	11.10	5	04:50
3.10						
Ditch4_In	JUNCTION	0.27	2.11	11.11	5	04:48
2.11						

Ditch4_Out	JUNCTION	4.46	8.10	11.10	5	04:52
8.10						
Ditch5_Inlet	JUNCTION	0.13	0.88	3.13	4	17:03
0.88						
Ditch6_7	JUNCTION	0.26	1.25	2.49	4	17:11
1.25						
Ditch7_8	JUNCTION	0.60	1.91	-0.41	4	17:07
1.91						
Ditch9_10_11	JUNCTION	2.62	7.55	10.55	5	20:49
7.53						
Ditch9_Inlet	JUNCTION	0.09	0.33	10.78	4	17:03
0.33						
Facility77_PS	JUNCTION	20.65	48.60	56.90	5	03:27
48.60						
PS004	JUNCTION	6.34	12.50	10.50	5	14:38
12.50						
PSC_Outlet	JUNCTION	19.91	50.32	61.82	4	18:54
50.32						
Roadside_Connection	JUNCTION	2.47	7.28	10.50	5	14:33
7.28						
SDCB294	JUNCTION	0.37	1.88	4.41	4	16:58
1.88						
SDCB541	JUNCTION	0.92	1.70	7.01	4	17:00
1.70						
SDCB543	JUNCTION	0.24	0.62	7.73	4	17:00
0.62						
SDCB6003	JUNCTION	0.28	1.60	4.53	4	17:00
1.60						
SDCB6005	JUNCTION	2.94	3.10	8.85	4	17:00
3.10						
SDMH297	JUNCTION	0.35	1.83	4.31	4	16:59
1.82						
SDMH299	JUNCTION	0.34	1.81	4.31	4	16:59
1.79						
SDMH301	JUNCTION	0.34	1.84	4.14	4	16:51
1.81						
SDMH538	JUNCTION	1.12	1.41	6.29	4	17:00
1.41						
SDMH539	JUNCTION	1.01	1.91	5.44	4	17:00
1.91						
SDMH540	JUNCTION	0.81	1.72	5.50	4	17:00
1.72						
Structure_-_ (1)	JUNCTION	0.66	5.01	12.43	9	15:54
3.67						
Structure_-_ (10)	JUNCTION	2.67	6.36	11.10	5	02:40
6.32						
Structure_-_ (100)	JUNCTION	0.06	0.48	11.10	5	02:13
0.48						
Structure_-_ (101)	JUNCTION	0.04	0.43	11.10	5	02:13
0.43						
Structure_-_ (102)	JUNCTION	0.06	0.60	11.10	5	02:08
0.60						
Structure_-_ (123)	JUNCTION	0.64	3.57	11.04	5	02:32

3.57	Structure_-(124)	JUNCTION	0.55	8.66	16.36	4	12:55
3.34	Structure_-(125)	JUNCTION	0.13	1.21	11.03	5	02:39
1.21	Structure_-(126)	JUNCTION	0.11	0.91	11.04	5	02:40
0.91	Structure_-(128)	JUNCTION	0.05	0.27	11.40	4	17:00
0.26	Structure_-(129)	JUNCTION	0.04	0.20	13.01	4	17:00
0.20	Structure_-(130)	JUNCTION	0.08	0.42	11.04	5	02:45
0.42	Structure_-(131)	JUNCTION	0.05	0.22	11.36	4	17:00
0.22	Structure_-(132)	JUNCTION	0.03	0.16	12.10	4	17:00
0.16	Structure_-(133)	JUNCTION	0.07	0.41	11.03	5	02:40
0.41	Structure_-(134)	JUNCTION	0.29	0.45	11.75	4	17:00
0.45	Structure_-(136)	JUNCTION	0.90	1.03	12.87	4	17:00
1.03	Structure_-(139)	JUNCTION	3.19	6.94	11.06	5	02:56
6.92	Structure_-(140)	JUNCTION	3.10	6.84	11.06	5	02:55
6.81	Structure_-(141)	JUNCTION	3.72	7.42	11.02	5	02:45
7.42	Structure_-(142)	JUNCTION	2.03	5.58	11.02	5	02:45
5.58	Structure_-(143)	JUNCTION	1.25	4.66	11.06	5	02:44
4.64	Structure_-(144)	JUNCTION	0.99	4.29	11.05	5	02:43
4.27	Structure_-(161)	JUNCTION	1.54	5.06	11.19	9	15:53
5.04	Structure_-(162)	JUNCTION	2.24	5.76	11.01	5	02:52
5.75	Structure_-(163)	JUNCTION	2.76	6.39	11.01	5	02:53
6.38	Structure_-(164)	JUNCTION	3.27	6.98	11.01	5	02:53
6.98	Structure_-(165)	JUNCTION	3.56	7.30	11.01	5	02:54
7.30	Structure_-(166)	JUNCTION	3.88	7.66	11.01	5	02:56
7.66	Structure_-(167)	JUNCTION	4.41	8.21	11.01	5	02:50
8.21	Structure_-(168)	JUNCTION	5.00	8.85	11.01	5	02:55
8.85	Structure_-(169)	JUNCTION	5.56	9.43	11.01	5	02:54
9.42							

Structure_-(170)	JUNCTION	5.73	9.65	11.05	5	02:58
9.62						
Structure_-(171)	JUNCTION	8.56	12.62	11.04	5	03:21
12.60						
Structure_-(172)	JUNCTION	9.95	14.01	11.01	5	03:05
14.01						
Structure_-(173)	JUNCTION	6.56	10.45	11.00	5	02:51
10.45						
Structure_-(174)	JUNCTION	6.02	9.90	11.01	5	02:51
9.90						
Structure_-(175)	JUNCTION	5.77	9.68	11.04	5	02:51
9.67						
Structure_-(176)	JUNCTION	4.72	8.61	11.05	5	03:11
8.59						
Structure_-(177)	JUNCTION	3.89	7.80	11.14	4	10:39
7.69						
Structure_-(178)	JUNCTION	2.99	6.67	11.01	5	02:54
6.67						
Structure_-(179)	JUNCTION	2.21	5.77	11.01	5	02:53
5.77						
Structure_-(180)	JUNCTION	2.88	9.52	14.11	4	10:52
6.44						
Structure_-(181)	JUNCTION	1.48	9.00	15.13	4	10:52
4.89						
Structure_-(19)	JUNCTION	2.37	6.21	11.26	4	15:50
6.02						
Structure_-(2)	JUNCTION	0.72	5.11	12.42	9	15:54
3.79						
Structure_-(20)	JUNCTION	1.76	5.29	11.06	5	02:36
5.29						
Structure_-(205)	JUNCTION	5.73	9.60	11.01	5	03:12
9.60						
Structure_-(206)	JUNCTION	5.55	9.42	11.01	5	03:06
9.42						
Structure_-(207)	JUNCTION	5.00	8.85	11.01	5	03:15
8.85						
Structure_-(208)	JUNCTION	4.41	8.21	11.01	5	03:07
8.21						
Structure_-(209)	JUNCTION	3.88	7.66	11.01	5	03:11
7.65						
Structure_-(21)	JUNCTION	1.45	5.00	11.16	4	11:01
4.90						
Structure_-(210)	JUNCTION	3.61	7.36	11.01	5	02:47
7.35						
Structure_-(211)	JUNCTION	3.27	6.98	11.01	5	03:08
6.98						
Structure_-(212)	JUNCTION	2.76	6.39	11.01	5	02:48
6.38						
Structure_-(213)	JUNCTION	2.24	5.76	11.01	5	03:09
5.76						
Structure_-(214)	JUNCTION	1.54	5.02	11.16	4	12:58
5.01						
Structure_-(215)	JUNCTION	6.19	10.07	11.01	5	02:51

10.07						
Structure_-(216)	JUNCTION	6.01	9.89	11.00	5	02:51
9.89						
Structure_-(217)	JUNCTION	5.23	9.09	11.01	5	03:15
9.09						
Structure_-(218)	JUNCTION	4.76	8.60	11.01	5	02:50
8.60						
Structure_-(219)	JUNCTION	3.83	7.58	11.01	5	02:52
7.58						
Structure_-(220)	JUNCTION	3.38	7.09	11.01	5	03:11
7.09						
Structure_-(221)	JUNCTION	2.92	6.58	11.01	5	02:54
6.58						
Structure_-(222)	JUNCTION	2.46	6.04	11.01	5	02:57
6.04						
Structure_-(223)	JUNCTION	2.03	5.54	11.01	5	02:53
5.54						
Structure_-(23)	JUNCTION	12.59	22.01	36.49	6	03:26
22.01						
Structure_-(230)	JUNCTION	7.30	11.26	11.00	5	02:55
11.26						
Structure_-(231)	JUNCTION	6.52	10.45	11.00	5	02:51
10.45						
Structure_-(232)	JUNCTION	5.75	9.65	11.01	5	02:51
9.64						
Structure_-(233)	JUNCTION	6.06	9.95	11.01	5	03:07
9.95						
Structure_-(234)	JUNCTION	5.00	8.85	11.00	5	03:07
8.85						
Structure_-(235)	JUNCTION	4.41	8.21	11.01	5	02:56
8.21						
Structure_-(236)	JUNCTION	3.88	7.66	11.01	5	03:11
7.65						
Structure_-(237)	JUNCTION	3.57	7.30	11.01	5	03:11
7.30						
Structure_-(238)	JUNCTION	3.27	6.97	11.01	5	03:08
6.97						
Structure_-(239)	JUNCTION	2.76	6.39	11.01	5	03:10
6.38						
Structure_-(24)	JUNCTION	6.71	12.29	26.76	6	03:13
12.29						
Structure_-(240)	JUNCTION	2.17	5.67	11.01	5	03:09
5.67						
Structure_-(241)	JUNCTION	1.54	5.06	11.19	9	15:53
5.02						
Structure_-(242)	JUNCTION	1.92	2.22	5.42	4	17:07
2.22						
Structure_-(243)	JUNCTION	1.37	3.13	6.89	5	00:21
1.94						
Structure_-(244)	JUNCTION	0.46	0.79	5.47	4	17:00
0.79						
Structure_-(245)	JUNCTION	0.23	0.56	5.51	4	17:00
0.56						



Structure_-(246)	JUNCTION	5.75	9.62	11.00	5	02:51
9.62						
Structure_-(247)	JUNCTION	5.55	9.42	11.00	5	02:51
9.42						
Structure_-(248)	JUNCTION	5.00	8.85	11.00	5	02:50
8.85						
Structure_-(249)	JUNCTION	4.41	8.21	11.01	5	02:51
8.21						
Structure_-(25)	JUNCTION	6.59	12.08	26.48	6	03:11
12.08						
Structure_-(250)	JUNCTION	3.88	7.65	11.01	5	03:17
7.65						
Structure_-(251)	JUNCTION	3.57	7.30	11.00	5	02:47
7.30						
Structure_-(252)	JUNCTION	3.27	6.97	11.01	5	02:53
6.97						
Structure_-(253)	JUNCTION	2.79	6.41	11.01	5	02:53
6.41						
Structure_-(254)	JUNCTION	2.24	5.76	11.01	5	02:48
5.76						
Structure_-(255)	JUNCTION	1.54	5.02	11.15	4	12:59
5.01						
Structure_-(256)	JUNCTION	6.18	10.07	11.00	5	02:55
10.07						
Structure_-(257)	JUNCTION	6.00	9.89	11.00	5	02:55
9.89						
Structure_-(258)	JUNCTION	5.23	9.09	11.00	5	03:06
9.09						
Structure_-(259)	JUNCTION	4.76	8.61	11.01	5	02:50
8.60						
Structure_-(26)	JUNCTION	6.18	11.35	25.43	6	02:56
11.35						
Structure_-(260)	JUNCTION	3.83	7.58	11.01	5	02:54
7.58						
Structure_-(261)	JUNCTION	3.38	7.10	11.01	5	02:56
7.10						
Structure_-(262)	JUNCTION	2.93	6.59	11.01	5	02:53
6.59						
Structure_-(263)	JUNCTION	2.46	6.05	11.01	5	02:53
6.05						
Structure_-(264)	JUNCTION	2.04	5.55	11.01	5	02:52
5.55						
Structure_-(265)	JUNCTION	1.52	5.01	11.14	4	13:01
5.00						
Structure_-(266)	JUNCTION	0.99	5.10	11.89	9	15:57
4.26						
Structure_-(267)	JUNCTION	1.00	5.01	11.80	9	15:57
4.28						
Structure_-(268)	JUNCTION	0.71	5.00	12.28	9	16:00
3.79						
Structure_-(269)	JUNCTION	0.61	5.00	12.49	4	12:58
3.59						
Structure_-(27)	JUNCTION	5.15	9.49	22.67	6	01:56

9.49	Structure_-(270)	JUNCTION	0.64	5.01	12.44	9	15:54
3.63	Structure_-(273)	JUNCTION	0.08	0.30	11.43	4	17:00
0.30	Structure_-(274)	JUNCTION	0.07	0.43	11.06	5	02:38
0.43	Structure_-(275)	JUNCTION	0.08	0.61	11.06	5	02:37
0.61	Structure_-(276)	JUNCTION	0.21	1.79	11.06	5	02:36
1.79	Structure_-(277)	JUNCTION	0.37	2.67	11.06	5	02:41
2.67	Structure_-(278)	JUNCTION	0.54	3.43	11.09	5	02:38
3.40	Structure_-(28)	JUNCTION	5.03	9.26	22.32	6	01:46
9.26	Structure_-(287)	JUNCTION	1.68	1.90	12.36	4	17:00
1.90	Structure_-(288)	JUNCTION	0.91	1.13	12.36	4	17:00
1.13	Structure_-(29)	JUNCTION	4.94	9.11	22.10	6	01:39
9.11	Structure_-(298)	JUNCTION	0.53	0.67	11.11	4	17:00
0.67	Structure_-(3)	JUNCTION	0.92	5.08	12.03	9	15:54
4.13	Structure_-(30)	JUNCTION	4.62	8.52	21.22	6	01:02
8.52	Structure_-(305)	JUNCTION	1.71	1.87	12.55	4	17:00
1.87	Structure_-(306)	JUNCTION	0.68	0.82	12.56	4	17:00
0.82	Structure_-(31)	JUNCTION	3.75	6.93	18.86	5	22:51
6.93	Structure_-(319)	JUNCTION	0.21	1.26	7.57	4	17:00
1.26	Structure_-(32)	JUNCTION	3.30	6.13	17.67	5	21:33
6.13	Structure_-(320)	JUNCTION	0.24	1.24	7.40	4	17:00
1.24	Structure_-(325)	JUNCTION	1.09	2.19	7.67	4	17:00
2.18	Structure_-(326)	JUNCTION	0.09	0.44	7.89	4	17:00
0.44	Structure_-(33)	JUNCTION	3.08	5.74	17.08	5	20:57
5.74	Structure_-(331)	JUNCTION	0.89	3.30	11.35	4	16:02
2.69	Structure_-(332)	JUNCTION	1.03	3.27	11.32	4	16:46
2.07	Structure_-(333)	JUNCTION	0.76	1.02	7.74	4	17:00
1.02							

Structure_-(34)	JUNCTION	2.19	4.19	14.77	5	16:03
4.19						
Structure_-(341)	JUNCTION	2.11	2.45	8.89	4	17:00
2.45						
Structure_-(35)	JUNCTION	0.72	2.20	11.48	5	02:47
2.20						
Structure_-(37)	JUNCTION	0.42	2.25	11.06	5	02:40
2.25						
Structure_-(370)	JUNCTION	0.35	2.83	11.06	5	03:03
2.79						
Structure_-(371)	JUNCTION	0.31	2.66	11.07	5	02:41
2.63						
Structure_-(372)	JUNCTION	0.05	0.54	11.02	5	02:42
0.54						
Structure_-(373)	JUNCTION	0.35	2.90	11.05	5	03:04
2.86						
Structure_-(374)	JUNCTION	0.23	6.40	15.34	4	12:55
2.12						
Structure_-(375)	JUNCTION	0.28	6.40	15.04	4	12:55
2.40						
Structure_-(376)	JUNCTION	0.34	6.40	14.80	4	12:57
2.64						
Structure_-(377)	JUNCTION	0.40	6.82	14.92	4	12:57
2.93						
Structure_-(378)	JUNCTION	0.50	6.40	14.13	4	12:59
3.30						
Structure_-(379)	JUNCTION	5.07	9.81	12.12	9	15:46
8.72						
Structure_-(38)	JUNCTION	0.48	2.54	11.06	5	02:34
2.54						
Structure_-(380)	JUNCTION	4.26	8.75	11.88	9	16:00
7.89						
Structure_-(381)	JUNCTION	4.43	9.50	12.45	9	15:53
8.05						
Structure_-(389)	JUNCTION	0.00	0.00	11.23	0	00:00
0.00						
Structure_-(39)	JUNCTION	0.49	2.65	11.06	5	02:41
2.65						
Structure_-(390)	JUNCTION	0.00	0.00	11.23	0	00:00
0.00						
Structure_-(391)	JUNCTION	0.04	0.32	11.07	5	04:12
0.32						
Structure_-(392)	JUNCTION	1.06	4.36	11.10	5	04:05
4.34						
Structure_-(393)	JUNCTION	1.86	5.31	11.11	5	04:16
5.29						
Structure_-(394)	JUNCTION	3.44	7.05	11.10	5	04:06
7.03						
Structure_-(395)	JUNCTION	5.14	8.81	11.10	5	04:06
8.78						
Structure_-(396)	JUNCTION	0.04	0.19	11.81	4	17:00
0.19						
Structure_-(397)	JUNCTION	0.26	2.30	11.10	5	05:34

2.27	Structure_-(398)	JUNCTION	1.08	4.41	11.11	5	03:16
4.39	Structure_-(399)	JUNCTION	0.70	3.73	11.11	5	03:35
3.70	Structure_-(4)	JUNCTION	1.07	6.17	12.86	9	15:54
4.40	Structure_-(40)	JUNCTION	0.45	2.83	11.06	5	02:41
2.83	Structure_-(400)	JUNCTION	0.48	3.21	11.11	5	03:43
3.19	Structure_-(401)	JUNCTION	0.15	1.41	11.11	5	03:17
1.39	Structure_-(404)	JUNCTION	0.04	0.20	11.24	4	17:00
0.20	Structure_-(405)	JUNCTION	0.03	0.13	11.97	4	17:00
0.13	Structure_-(407)	JUNCTION	0.26	2.30	11.10	5	04:18
2.28	Structure_-(408)	JUNCTION	0.24	1.62	11.09	5	02:12
1.62	Structure_-(41)	JUNCTION	1.60	6.76	12.80	4	15:49
5.04	Structure_-(42)	JUNCTION	1.62	6.95	12.95	4	15:46
5.08	Structure_-(426)	JUNCTION	1.33	4.71	11.07	5	03:24
4.69	Structure_-(427)	JUNCTION	2.56	5.84	11.06	5	03:27
5.83	Structure_-(43)	JUNCTION	2.07	6.17	11.63	4	15:39
5.61	Structure_-(431)	JUNCTION	0.70	3.48	-1.89	4	18:22
3.48	Structure_-(432)	JUNCTION	0.61	3.22	-1.81	4	18:22
3.22	Structure_-(433)	JUNCTION	0.58	2.98	-1.73	4	18:22
2.98	Structure_-(434)	JUNCTION	0.45	1.87	-1.68	4	18:23
1.87	Structure_-(435)	JUNCTION	0.48	1.86	-1.68	4	18:23
1.86	Structure_-(44)	JUNCTION	2.26	5.87	11.09	5	02:38
5.85	Structure_-(446)	JUNCTION	8.84	18.93	28.90	5	04:45
18.93	Structure_-(447)	JUNCTION	8.61	17.63	27.23	5	04:57
17.63	Structure_-(448)	JUNCTION	8.38	16.42	25.71	5	05:10
16.42	Structure_-(449)	JUNCTION	7.88	11.44	18.74	5	10:06
11.44	Structure_-(45)	JUNCTION	2.29	5.88	11.06	5	02:31
5.88							

Structure_-(450)	JUNCTION	7.40	9.01	15.71	5	10:27
9.01						
Structure_-(451)	JUNCTION	7.40	9.25	15.75	0	00:00
8.62						
Structure_-(453)	JUNCTION	3.33	7.06	11.01	5	03:04
7.06						
Structure_-(454)	JUNCTION	3.34	7.06	11.01	5	03:04
7.06						
Structure_-(455)	JUNCTION	3.35	7.07	11.01	5	03:04
7.07						
Structure_-(456)	JUNCTION	3.54	7.28	11.01	5	02:49
7.28						
Structure_-(457)	JUNCTION	3.64	7.38	11.01	5	03:03
7.38						
Structure_-(458)	JUNCTION	3.87	7.61	11.01	5	03:00
7.61						
Structure_-(459)	JUNCTION	14.59	29.08	35.75	5	04:05
29.08						
Structure_-(46)	JUNCTION	2.34	5.94	11.05	5	02:30
5.94						
Structure_-(460)	JUNCTION	14.45	28.63	35.26	5	04:07
28.63						
Structure_-(461)	JUNCTION	14.55	27.85	33.88	5	04:12
27.85						
Structure_-(462)	JUNCTION	14.45	27.29	33.17	5	04:15
27.29						
Structure_-(463)	JUNCTION	14.84	25.25	29.38	5	04:41
25.25						
Structure_-(469)	JUNCTION	3.73	7.52	11.01	5	03:05
7.51						
Structure_-(47)	JUNCTION	2.74	6.44	11.09	5	02:39
6.42						
Structure_-(470)	JUNCTION	0.80	5.08	12.18	4	12:59
4.39						
Structure_-(471)	JUNCTION	0.71	5.06	12.34	4	12:57
4.81						
Structure_-(472)	JUNCTION	0.64	5.22	12.62	4	12:57
5.19						
Structure_-(473)	JUNCTION	0.59	5.33	12.82	4	12:57
5.32						
Structure_-(475)	JUNCTION	4.34	7.99	11.07	5	03:00
7.98						
Structure_-(476)	JUNCTION	4.44	8.11	11.08	5	03:26
8.09						
Structure_-(477)	JUNCTION	4.75	8.42	11.07	5	03:13
8.39						
Structure_-(478)	JUNCTION	5.07	8.74	11.06	5	03:20
8.72						
Structure_-(481)	JUNCTION	3.29	7.01	11.01	5	03:05
7.01						
Structure_-(482)	JUNCTION	3.24	6.96	11.01	5	03:05
6.96						
Structure_-(483)	JUNCTION	3.19	6.91	11.01	5	03:06

6.91						
Structure_-(484)	JUNCTION	3.09	6.79	11.01	5	03:06
6.79						
Structure_-(485)	JUNCTION	3.06	6.76	11.01	5	03:06
6.76						
Structure_-(487)	JUNCTION	4.62	8.29	11.07	5	03:27
8.26						
Structure_-(489)	JUNCTION	4.71	8.36	11.10	5	04:43
8.36						
Structure_-(490)	JUNCTION	0.91	1.14	12.38	4	17:00
1.14						
Structure_-(495)	JUNCTION	0.13	1.06	11.10	5	02:12
1.06						
Structure_-(5)	JUNCTION	1.30	7.19	13.56	9	15:54
4.72						
Structure_-(50)	JUNCTION	3.14	6.89	11.09	5	02:39
6.86						
Structure_-(502)	JUNCTION	0.29	5.00	13.46	4	12:56
2.56						
Structure_-(503)	JUNCTION	2.70	6.38	11.09	5	02:35
6.36						
Structure_-(51)	JUNCTION	3.38	7.14	11.08	5	02:39
7.12						
Structure_-(52)	JUNCTION	3.60	7.31	11.03	5	02:39
7.31						
Structure_-(53)	JUNCTION	3.60	7.34	11.05	5	02:46
7.32						
Structure_-(54)	JUNCTION	3.37	7.11	11.05	5	02:58
7.10						
Structure_-(56)	JUNCTION	0.36	1.99	11.07	5	02:35
1.98						
Structure_-(57)	JUNCTION	0.25	1.78	11.07	5	02:35
1.77						
Structure_-(58)	JUNCTION	0.23	1.68	11.07	5	02:35
1.68						
Structure_-(59)	JUNCTION	0.18	1.37	11.07	5	02:36
1.37						
Structure_-(6)	JUNCTION	1.83	5.36	11.06	5	02:35
5.36						
Structure_-(60)	JUNCTION	0.16	1.25	11.07	5	02:37
1.25						
Structure_-(61)	JUNCTION	0.14	1.15	11.07	5	02:35
1.15						
Structure_-(62)	JUNCTION	0.12	1.05	11.07	5	02:36
1.05						
Structure_-(63)	JUNCTION	0.09	0.81	11.08	5	02:13
0.80						
Structure_-(7)	JUNCTION	2.12	5.75	11.11	5	02:44
5.73						
Structure_-(70)	JUNCTION	0.36	2.20	11.09	5	02:37
2.18						
Structure_-(71)	JUNCTION	0.12	1.06	11.06	5	02:35
1.06						

Structure_-(72)	JUNCTION	0.15	1.01	11.07	5	02:35
1.00						
Structure_-(73)	JUNCTION	0.13	0.74	11.07	5	02:36
0.74						
Structure_-(74)	JUNCTION	0.11	0.55	11.12	4	17:00
0.55						
Structure_-(75)	JUNCTION	0.10	0.49	11.30	4	17:00
0.49						
Structure_-(76)	JUNCTION	0.08	0.42	11.47	4	17:00
0.42						
Structure_-(77)	JUNCTION	0.07	0.34	11.63	4	17:00
0.34						
Structure_-(78)	JUNCTION	0.05	0.26	11.79	4	17:00
0.26						
Structure_-(79)	JUNCTION	0.33	2.38	11.10	5	02:39
2.37						
Structure_-(8)	JUNCTION	2.34	6.01	11.11	5	02:41
5.98						
Structure_-(80)	JUNCTION	0.27	2.10	11.11	5	02:37
2.07						
Structure_-(81)	JUNCTION	0.23	1.82	11.07	5	02:34
1.82						
Structure_-(82)	JUNCTION	0.19	1.58	11.07	5	02:37
1.58						
Structure_-(83)	JUNCTION	0.15	1.34	11.07	5	02:34
1.34						
Structure_-(84)	JUNCTION	0.11	1.10	11.07	5	02:35
1.10						
Structure_-(85)	JUNCTION	0.07	0.86	11.07	5	02:34
0.86						
Structure_-(86)	JUNCTION	1.38	3.81	11.11	5	02:38
3.78						
Structure_-(87)	JUNCTION	1.30	3.74	11.12	5	02:44
3.70						
Structure_-(88)	JUNCTION	1.12	3.56	11.13	5	02:48
3.53						
Structure_-(89)	JUNCTION	1.03	4.71	12.36	4	15:52
3.44						
Structure_-(9)	JUNCTION	2.60	6.29	11.11	5	02:33
6.25						
Structure_-(90)	JUNCTION	0.90	5.00	12.79	4	12:56
3.31						
Structure_-(92)	JUNCTION	0.28	2.22	11.13	5	02:08
2.19						
Structure_-(93)	JUNCTION	0.25	1.84	11.10	5	02:34
1.83						
Structure_-(94)	JUNCTION	0.22	1.66	11.09	5	02:10
1.66						
Structure_-(95)	JUNCTION	0.24	1.64	11.09	5	02:11
1.64						
Structure_-(96)	JUNCTION	0.20	1.50	11.10	5	02:10
1.50						
Structure_-(97)	JUNCTION	0.15	1.15	11.10	5	02:12

1.15	Structure_-_ (98)	JUNCTION	0.12	0.97	11.10	5	02:09
0.97	Structure_-_ (99)	JUNCTION	0.09	0.78	11.10	5	02:06
0.78	Structure520	JUNCTION	3.21	6.64	11.01	5	03:09
6.64	Structure521	JUNCTION	1.16	2.56	4.29	4	16:57
2.55	Structure522	JUNCTION	0.80	2.20	4.29	4	16:57
2.20	Structure587	JUNCTION	5.03	8.66	11.03	5	03:25
8.66	Structure593	JUNCTION	5.05	8.68	11.03	5	03:26
8.68	Structure602	JUNCTION	2.73	6.38	11.06	5	02:37
6.38	SU1-2_Central	JUNCTION	3.94	7.37	12.37	4	17:04
7.37	SU1-2_J1	JUNCTION	0.44	40.00	50.00	4	15:25
15.74	SU1-2_J1-2	JUNCTION	0.40	32.33	40.33	4	15:25
12.69	SU1-2_J2	JUNCTION	0.12	13.40	15.40	4	16:24
2.34	SU1-2_Overflow	JUNCTION	0.42	2.85	11.10	5	04:51
2.85	SU1-2_PSOOut	JUNCTION	1.13	112.94	122.94	12	02:25
66.81	SU1-2_South	JUNCTION	0.02	0.12	20.12	4	17:00
0.12	SU1-2_West	JUNCTION	0.07	0.51	15.72	4	16:21
0.51	SU6-1E	JUNCTION	0.05	0.50	12.30	4	18:15
0.50	SU6-1NE	JUNCTION	3.73	10.30	12.30	4	18:15
10.30	SU6-1S	JUNCTION	0.05	0.33	12.73	4	15:54
0.33	SU6-7	JUNCTION	4.31	10.90	12.32	4	18:16
10.87	SU67-J1	JUNCTION	0.41	49.53	62.71	4	20:36
7.68	SU67-J2	JUNCTION	0.22	11.46	22.04	4	15:28
2.73	SU67-J3	JUNCTION	0.20	2.60	11.88	4	15:36
1.50	SU67-J4	JUNCTION	0.11	0.64	9.72	4	15:46
0.64	SU67-J5	JUNCTION	0.16	1.11	7.15	4	16:32
1.11	SU67-J6	JUNCTION	0.16	1.02	6.13	4	16:42
1.02							



SU67-J7	JUNCTION	0.12	0.76	5.41	4	16:42
0.76						
SU7-2W	JUNCTION	0.03	0.69	12.29	4	18:15
0.69						
SU7-3W	JUNCTION	3.73	10.29	12.29	4	18:15
10.29						
UDitch_Out	JUNCTION	0.66	3.60	11.10	5	04:51
3.60						
5_Dummy_Outlet	OUTFALL	0.00	0.00	0.00	0	00:00
0.00						
C_Dummy_Outlet	OUTFALL	0.00	0.00	0.00	0	00:00
0.00						
D_Dummy_Outlet	OUTFALL	0.00	0.00	0.00	0	00:00
0.00						
E_Dummy_Outlet	OUTFALL	0.00	0.00	0.00	0	00:00
0.00						
F_Dummy_Outlet	OUTFALL	0.00	0.00	0.00	0	00:00
0.00						
G_Dummy_Outlet	OUTFALL	0.00	0.00	0.00	0	00:00
0.00						
H_Dummy_Outlet	OUTFALL	0.00	0.00	0.00	0	00:00
0.00						
Outfall_002A	OUTFALL	0.41	1.10	-13.77	4	18:22
1.10						
Outfall003	OUTFALL	0.41	1.55	-1.45	4	17:07
1.55						
Facility77_Inlet	STORAGE	14.91	19.06	11.01	5	03:05
19.06						
PS_SU6-7	STORAGE	4.73	11.24	12.24	4	18:15
11.24						
PSC_Sump	STORAGE	7.63	14.43	14.93	5	10:33
14.43						
RetenionPond	STORAGE	7.39	8.60	15.10	5	10:37
8.60						
SU1-2_PS	STORAGE	6.45	9.80	12.30	4	17:04
9.80						

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Node Inflow Summary  
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Total	Flow		Maximum	Maximum		Lateral
Inflow	Balance		Lateral	Total	Time of Max	Inflow
Volume	Error		Inflow	Inflow	Occurrence	Volume
Node	Percent	Type	CFS	CFS	days hr:min	10^6 gal

CB19		JUNCTION	1.55	1.55	4	17:00	0.82
0.82	0.001						
CB22		JUNCTION	0.16	10.54	4	17:00	0.082
5.58	0.001						
CB30		JUNCTION	0.16	1.71	4	17:00	0.082
0.902	0.022						
CB31		JUNCTION	1.55	1.55	4	17:00	0.82
0.82	0.001						
CB33		JUNCTION	1.55	1.55	4	17:00	0.82
0.82	0.001						
Culvert_Ditch11		JUNCTION	0.00	1.35	4	17:04	0
1.32	-0.152						
Culvert_Ditch12		JUNCTION	0.00	1.06	4	16:37	0
1.33	0.026						
Culvert_Ditch12a		JUNCTION	0.00	1.07	4	22:41	0
1.33	0.038						
Culvert_Ditch12b		JUNCTION	0.00	1.75	9	00:06	0
1.33	0.161						
Culvert_Ditch12c		JUNCTION	0.00	1.31	4	16:23	0
1.34	-0.028						
Ditch1_2		JUNCTION	0.00	5.76	4	16:33	0
0.623	0.014						
Ditch11_12		JUNCTION	0.00	1.19	4	17:04	0
1.33	0.044						
Ditch12_18		JUNCTION	1.42	1.57	4	15:39	1.48
2.81	-0.013						
Ditch14_15		JUNCTION	0.93	4.28	4	17:00	0.492
2.3	0.683						
Ditch15_16		JUNCTION	0.93	5.10	4	17:03	0.492
2.77	0.013						
Ditch16_17		JUNCTION	0.93	5.99	4	17:05	0.492
3.27	0.001						
Ditch17_5_6		JUNCTION	0.31	24.67	4	17:03	0.164
12.9	0.064						
Ditch2_3		JUNCTION	4.07	11.91	4	17:08	4.63
6.15	0.128						
Ditch3_Out		JUNCTION	0.00	17.77	4	17:10	0
19.5	0.187						
Ditch4_In		JUNCTION	6.94	6.94	4	17:00	11.4
11.4	0.072						
Ditch4_Out		JUNCTION	0.00	29.36	4	17:12	0
29.9	2.092						
Ditch5_Inlet		JUNCTION	0.31	23.57	4	16:51	0.164
9.5	-0.000						
Ditch6_7		JUNCTION	0.31	24.36	4	17:04	0.164
13.1	0.027						
Ditch7_8		JUNCTION	6.21	30.18	4	17:07	3.28
16.4	0.001						
Ditch9_10_11		JUNCTION	0.00	1.38	4	17:03	0
1.32	0.076						

Ditch9_Inlet	JUNCTION	1.42	1.42	4	17:00	1.48
1.48	0.114					
Facility77_PS	JUNCTION	0.00	22.28	10	13:10	0
55.4	0.005					
PS004	JUNCTION	0.00	1.46	4	16:36	0
2.79	-0.002					
PSC_Outlet	JUNCTION	0.00	13.37	4	01:19	0
44.9	-0.015					
Roadside_Connection	JUNCTION	0.00	1.38	4	17:03	0
1.48	-0.010					
SDCB294	JUNCTION	1.55	1.55	4	17:00	0.82
0.82	0.006					
SDCB541	JUNCTION	0.16	1.86	4	17:00	0.082
0.984	0.005					
SDCB543	JUNCTION	0.16	1.71	4	17:00	0.082
0.902	0.007					
SDCB6003	JUNCTION	0.16	14.72	4	17:00	0.082
7.79	0.001					
SDCB6005	JUNCTION	0.62	0.62	4	17:00	0.328
0.328	0.084					
SDMH297	JUNCTION	0.31	18.82	4	17:01	0.164
9.27	0.003					
SDMH299	JUNCTION	0.31	3.61	4	17:20	0.164
1.32	0.023					
SDMH301	JUNCTION	0.16	18.96	4	17:00	0.082
9.34	0.010					
SDMH538	JUNCTION	1.55	1.55	4	17:00	0.82
0.82	0.012					
SDMH539	JUNCTION	0.16	13.95	4	17:00	0.082
7.38	0.001					
SDMH540	JUNCTION	0.16	1.71	4	17:00	0.082
0.902	0.007					
Structure_-(1)	JUNCTION	0.49	1.29	9	15:54	0.255
0.262	0.116					
Structure_-(10)	JUNCTION	0.20	7.46	4	10:52	0.102
2.82	0.391					
Structure_-(100)	JUNCTION	0.20	0.39	4	17:00	0.102
0.204	-0.003					
Structure_-(101)	JUNCTION	0.20	0.20	4	17:00	0.102
0.102	0.001					
Structure_-(102)	JUNCTION	0.29	0.29	4	17:00	0.153
0.153	-0.000					
Structure_-(123)	JUNCTION	0.20	7.63	4	12:56	0.102
1.51	0.047					
Structure_-(124)	JUNCTION	0.20	6.54	4	12:55	0.102
1	0.058					
Structure_-(125)	JUNCTION	0.20	1.65	4	17:00	0.102
0.868	-0.005					
Structure_-(126)	JUNCTION	0.20	0.68	4	17:00	0.102
0.358	0.004					
Structure_-(128)	JUNCTION	0.20	0.49	4	17:00	0.102
0.255	-0.006					
Structure_-(129)	JUNCTION	0.29	0.29	4	17:00	0.153

0.153	0.001						
Structure_--(130)	JUNCTION	0.20	0.68	4	17:00	0.102	
0.358	0.029						
Structure_--(131)	JUNCTION	0.20	0.49	4	17:00	0.102	
0.255	0.000						
Structure_--(132)	JUNCTION	0.29	0.29	4	17:00	0.153	
0.153	0.001						
Structure_--(133)	JUNCTION	0.20	0.78	4	17:00	0.102	
0.409	-0.003						
Structure_--(134)	JUNCTION	0.29	0.29	4	17:00	0.153	
0.153	0.014						
Structure_--(136)	JUNCTION	0.29	0.29	4	17:00	0.153	
0.153	0.053						
Structure_--(139)	JUNCTION	0.20	2.93	4	10:22	0.102	
0.683	0.085						
Structure_--(140)	JUNCTION	0.20	0.95	4	16:59	0.102	
0.52	-0.059						
Structure_--(141)	JUNCTION	0.20	0.78	4	17:00	0.102	
0.417	0.066						
Structure_--(142)	JUNCTION	0.20	0.58	4	17:00	0.102	
0.315	-0.070						
Structure_--(143)	JUNCTION	0.20	1.18	4	10:57	0.102	
0.224	0.478						
Structure_--(144)	JUNCTION	0.20	1.03	4	10:57	0.102	
0.116	0.051						
Structure_--(161)	JUNCTION	0.20	2.34	9	15:56	0.102	
0.117	0.515						
Structure_--(162)	JUNCTION	0.20	2.85	9	15:58	0.102	
0.256	0.708						
Structure_--(163)	JUNCTION	0.20	3.28	4	12:58	0.102	
0.402	0.841						
Structure_--(164)	JUNCTION	0.20	4.95	4	12:57	0.102	
0.563	0.521						
Structure_--(165)	JUNCTION	0.20	7.68	4	12:57	0.102	
0.728	0.332						
Structure_--(166)	JUNCTION	0.20	8.04	9	15:52	0.102	
0.887	0.520						
Structure_--(167)	JUNCTION	0.20	7.32	9	15:52	0.102	
1.09	0.354						
Structure_--(168)	JUNCTION	0.20	9.32	9	15:50	0.102	
1.31	0.303						
Structure_--(169)	JUNCTION	0.20	10.06	9	15:50	0.102	
1.51	0.211						
Structure_--(170)	JUNCTION	0.20	10.00	9	15:50	0.102	
1.69	0.036						
Structure_--(171)	JUNCTION	0.00	38.92	9	15:50	0	
10.7	0.218						
Structure_--(172)	JUNCTION	0.00	249.21	9	15:49	0	
12.4	0.568						
Structure_--(173)	JUNCTION	0.00	13.32	4	12:55	0	
4.01	0.224						
Structure_--(174)	JUNCTION	0.00	9.41	4	10:26	0	
2.59	0.234						

Structure_--(175) 0.882 0.273	JUNCTION	0.00	1.58	4	10:29	0
Structure_--(176) 0.855 0.529	JUNCTION	0.20	1.62	4	10:35	0.102
Structure_--(177) 0.703 0.376	JUNCTION	0.20	1.98	4	10:35	0.102
Structure_--(178) 0.543 0.535	JUNCTION	0.20	1.33	4	10:40	0.102
Structure_--(179) 0.392 0.495	JUNCTION	0.20	1.35	4	10:49	0.102
Structure_--(180) 0.253 1.172	JUNCTION	0.20	1.37	4	10:50	0.102
Structure_--(181) 0.117 0.590	JUNCTION	0.20	1.01	4	10:51	0.102
Structure_--(19) 0.022 5.134	JUNCTION	0.00	0.39	4	10:47	0
Structure_--(2) 0.547 0.117	JUNCTION	0.49	1.49	9	15:54	0.255
Structure_--(20) 0.195 2.181	JUNCTION	0.00	1.99	4	10:53	0
Structure_--(205) 1.73 -0.240	JUNCTION	0.20	7.20	4	10:26	0.102
Structure_--(206) 1.48 0.225	JUNCTION	0.20	6.33	4	12:55	0.102
Structure_--(207) 1.29 0.272	JUNCTION	0.20	7.30	9	15:54	0.102
Structure_--(208) 1.07 0.302	JUNCTION	0.20	5.48	9	15:52	0.102
Structure_--(209) 0.886 0.496	JUNCTION	0.20	5.36	4	12:57	0.102
Structure_--(21) 0.125 1.085	JUNCTION	0.20	0.99	4	10:55	0.102
Structure_--(210) 0.727 0.291	JUNCTION	0.20	5.73	4	12:58	0.102
Structure_--(211) 0.566 0.493	JUNCTION	0.20	3.69	9	15:53	0.102
Structure_--(212) 0.407 0.742	JUNCTION	0.20	2.31	4	13:01	0.102
Structure_--(213) 0.26 0.539	JUNCTION	0.20	2.94	9	15:53	0.102
Structure_--(214) 0.118 0.381	JUNCTION	0.20	1.79	9	15:53	0.102
Structure_--(215) 1.62 -0.199	JUNCTION	0.20	8.44	9	15:50	0.102
Structure_--(216) 1.49 0.218	JUNCTION	0.20	8.49	9	15:50	0.102
Structure_--(217) 1.3 0.325	JUNCTION	0.20	7.75	4	12:55	0.102
Structure_--(218) 1.09 0.331	JUNCTION	0.20	6.75	9	15:50	0.102
Structure_--(219) 0.893 0.407	JUNCTION	0.20	6.21	9	16:02	0.102
Structure_--(220)	JUNCTION	0.20	5.42	4	13:00	0.102

0.744	0.317						
Structure_-(221)	JUNCTION	0.20	3.62	4	13:00	0.102	
0.597	0.553						
Structure_-(222)	JUNCTION	0.20	3.04	4	13:01	0.102	
0.454	0.677						
Structure_-(223)	JUNCTION	0.20	2.79	4	13:01	0.102	
0.327	0.513						
Structure_-(23)	JUNCTION	0.00	1.36	1	06:17	0	
2.79	0.001						
Structure_-(230)	JUNCTION	0.00	17.28	11	08:46	0	
5.03	0.189						
Structure_-(231)	JUNCTION	0.00	14.96	4	09:48	0	
3.08	0.266						
Structure_-(232)	JUNCTION	0.00	5.70	9	15:53	0	
1.4	0.319						
Structure_-(233)	JUNCTION	0.20	5.73	9	15:53	0.102	
1.33	0.396						
Structure_-(234)	JUNCTION	0.20	7.02	9	16:02	0.102	
1.15	0.250						
Structure_-(235)	JUNCTION	0.20	6.37	9	15:52	0.102	
0.979	0.376						
Structure_-(236)	JUNCTION	0.20	5.09	9	15:58	0.102	
0.816	0.448						
Structure_-(237)	JUNCTION	0.20	5.62	4	12:58	0.102	
0.659	0.480						
Structure_-(238)	JUNCTION	0.20	4.51	9	15:53	0.102	
0.497	0.773						
Structure_-(239)	JUNCTION	0.00	3.05	9	15:56	0	
0.327	0.960						
Structure_-(24)	JUNCTION	0.00	0.50	5	01:00	0	
2.79	0.001						
Structure_-(240)	JUNCTION	0.20	3.29	9	15:56	0.102	
0.272	0.727						
Structure_-(241)	JUNCTION	0.20	1.72	9	15:53	0.102	
0.125	0.474						
Structure_-(242)	JUNCTION	0.62	3.41	4	17:00	0.328	
1.98	0.037						
Structure_-(243)	JUNCTION	0.93	2.79	4	17:00	0.492	
1.89	-0.150						
Structure_-(244)	JUNCTION	0.93	1.86	4	17:00	0.492	
1.23	0.055						
Structure_-(245)	JUNCTION	0.93	0.93	4	17:00	0.492	
0.492	0.003						
Structure_-(246)	JUNCTION	0.20	10.56	9	23:48	0.102	
1.71	-0.224						
Structure_-(247)	JUNCTION	0.20	6.21	4	12:55	0.102	
1.53	0.217						
Structure_-(248)	JUNCTION	0.20	5.80	4	12:55	0.102	
1.34	0.268						
Structure_-(249)	JUNCTION	0.20	4.82	9	15:53	0.102	
1.11	0.285						
Structure_-(25)	JUNCTION	0.00	0.49	5	14:46	0	
2.79	0.003						

Structure_-(250)	JUNCTION	0.20	5.09	4	12:57	0.102
0.918	0.472					
Structure_-(251)	JUNCTION	0.20	5.79	4	12:58	0.102
0.757	0.310					
Structure_-(252)	JUNCTION	0.20	4.25	4	12:58	0.102
0.591	0.561					
Structure_-(253)	JUNCTION	0.20	2.88	4	13:01	0.102
0.424	0.826					
Structure_-(254)	JUNCTION	0.20	2.28	4	13:04	0.102
0.267	0.632					
Structure_-(255)	JUNCTION	0.20	1.44	4	13:15	0.102
0.12	0.402					
Structure_-(256)	JUNCTION	0.20	11.28	4	03:13	0.102
2.09	-0.044					
Structure_-(257)	JUNCTION	0.20	7.74	9	15:50	0.102
1.91	0.196					
Structure_-(258)	JUNCTION	0.20	7.19	4	12:55	0.102
1.72	0.199					
Structure_-(259)	JUNCTION	0.20	6.49	4	12:57	0.102
1.51	0.239					
Structure_-(26)	JUNCTION	0.00	0.49	6	18:13	0
2.79	0.007					
Structure_-(260)	JUNCTION	0.20	6.00	9	15:52	0.102
1.32	0.242					
Structure_-(261)	JUNCTION	0.20	5.36	4	12:57	0.102
1.17	0.225					
Structure_-(262)	JUNCTION	0.20	3.82	4	13:00	0.102
1.01	0.332					
Structure_-(263)	JUNCTION	0.20	3.30	4	13:00	0.102
0.859	0.322					
Structure_-(264)	JUNCTION	0.20	2.95	4	12:57	0.102
0.726	0.264					
Structure_-(265)	JUNCTION	0.20	1.85	9	15:52	0.102
0.608	0.234					
Structure_-(266)	JUNCTION	0.20	1.52	9	15:52	0.102
0.503	0.213					
Structure_-(267)	JUNCTION	0.00	1.49	9	15:52	0
0.399	0.149					
Structure_-(268)	JUNCTION	0.29	0.65	4	13:00	0.153
0.264	0.075					
Structure_-(269)	JUNCTION	0.20	0.20	4	17:00	0.102
0.103	-0.024					
Structure_-(27)	JUNCTION	0.00	0.49	6	17:43	0
2.79	-0.003					
Structure_-(270)	JUNCTION	0.20	0.99	4	12:58	0.102
0.115	0.173					
Structure_-(273)	JUNCTION	0.29	0.29	4	17:00	0.153
0.153	0.035					
Structure_-(274)	JUNCTION	0.20	0.49	4	17:00	0.102
0.255	-0.010					
Structure_-(275)	JUNCTION	0.20	0.68	4	17:00	0.102
0.358	0.022					
Structure_-(276)	JUNCTION	0.20	1.17	4	17:00	0.102

0.62	0.012						
Structure_-(277)	JUNCTION	0.20	5.45	4	12:55	0.102	
1.5	0.021						
Structure_-(278)	JUNCTION	0.20	6.89	4	15:47	0.102	
1.63	-0.008						
Structure_-(28)	JUNCTION	0.00	0.49	6	10:12	0	
2.79	0.001						
Structure_-(287)	JUNCTION	0.20	0.97	4	17:00	0.102	
0.51	0.240						
Structure_-(288)	JUNCTION	0.29	0.29	4	17:00	0.153	
0.153	0.184						
Structure_-(29)	JUNCTION	0.00	0.49	6	09:50	0	
2.79	0.002						
Structure_-(298)	JUNCTION	0.29	0.29	4	17:00	0.153	
0.153	0.002						
Structure_-(3)	JUNCTION	0.49	1.46	4	17:00	0.255	
0.844	0.197						
Structure_-(30)	JUNCTION	0.00	0.50	6	09:36	0	
2.79	0.006						
Structure_-(305)	JUNCTION	0.20	0.49	4	17:00	0.102	
0.255	0.286						
Structure_-(306)	JUNCTION	0.29	0.29	4	17:00	0.153	
0.153	0.221						
Structure_-(31)	JUNCTION	0.00	0.50	6	09:17	0	
2.79	0.003						
Structure_-(319)	JUNCTION	0.16	4.96	4	17:00	0.082	
2.62	0.002						
Structure_-(32)	JUNCTION	0.00	0.50	6	08:47	0	
2.79	0.002						
Structure_-(320)	JUNCTION	0.16	6.66	4	17:00	0.082	
3.53	0.001						
Structure_-(325)	JUNCTION	0.16	1.71	4	17:00	0.082	
0.902	0.014						
Structure_-(326)	JUNCTION	1.55	1.55	4	17:00	0.82	
0.82	0.000						
Structure_-(33)	JUNCTION	0.00	0.50	6	08:27	0	
2.79	0.006						
Structure_-(331)	JUNCTION	1.55	1.55	4	17:00	0.82	
0.82	0.010						
Structure_-(332)	JUNCTION	1.55	1.55	4	17:00	0.82	
0.82	0.011						
Structure_-(333)	JUNCTION	0.16	1.86	4	17:00	0.082	
0.984	0.023						
Structure_-(34)	JUNCTION	0.00	0.50	6	08:15	0	
2.79	0.010						
Structure_-(341)	JUNCTION	1.55	1.55	4	17:00	0.82	
0.82	0.024						
Structure_-(35)	JUNCTION	0.00	0.50	6	07:50	0	
2.79	0.008						
Structure_-(37)	JUNCTION	0.20	5.84	4	16:55	0.102	
5.56	0.002						
Structure_-(370)	JUNCTION	0.00	1.69	4	13:04	0	
0.126	0.116						



Structure_-(371)	JUNCTION	0.00	1.13	4	12:59	0
0.115	0.122					
Structure_-(372)	JUNCTION	0.20	0.20	4	17:00	0.102
0.102	-0.110					
Structure_-(373)	JUNCTION	0.00	1.38	4	13:05	0
0.127	0.023					
Structure_-(374)	JUNCTION	0.20	0.93	4	12:55	0.102
0.103	0.003					
Structure_-(375)	JUNCTION	0.20	1.34	4	12:57	0.102
0.206	-0.006					
Structure_-(376)	JUNCTION	0.20	2.34	4	12:57	0.102
0.309	-0.023					
Structure_-(377)	JUNCTION	0.20	2.49	4	12:57	0.102
0.414	0.018					
Structure_-(378)	JUNCTION	0.20	4.52	4	12:56	0.102
0.536	0.095					
Structure_-(379)	JUNCTION	0.00	35.03	4	12:55	0
44.9	-0.240					
Structure_-(38)	JUNCTION	0.20	7.21	4	17:07	0.102
6.68	0.002					
Structure_-(380)	JUNCTION	0.00	34.55	4	12:55	0
44.4	-0.417					
Structure_-(381)	JUNCTION	0.00	1105.23	9	15:53	0
43.9	-2.310					
Structure_-(389)	JUNCTION	0.00	0.00	0	00:00	0
0	0.000 gal					
Structure_-(39)	JUNCTION	0.49	7.74	4	16:56	0.255
6.95	0.003					
Structure_-(390)	JUNCTION	0.00	0.00	0	00:00	0
0	0.000 gal					
Structure_-(391)	JUNCTION	0.20	0.39	4	17:00	0.102
0.204	-0.004					
Structure_-(392)	JUNCTION	0.00	0.39	4	17:00	0
0.221	0.397					
Structure_-(393)	JUNCTION	0.00	2.15	4	15:59	0
0.968	0.239					
Structure_-(394)	JUNCTION	0.00	2.00	4	12:59	0
1.07	0.147					
Structure_-(395)	JUNCTION	3.81	27.92	4	17:09	2.32
45	0.010					
Structure_-(396)	JUNCTION	0.20	0.20	4	17:00	0.102
0.102	-0.002					
Structure_-(397)	JUNCTION	0.20	0.71	4	16:01	0.102
0.103	0.308					
Structure_-(398)	JUNCTION	0.20	0.39	4	17:00	0.102
0.209	-0.047					
Structure_-(399)	JUNCTION	0.20	0.20	4	17:00	0.102
0.105	0.191					
Structure_-(4)	JUNCTION	0.49	1.95	4	17:00	0.255
1.14	0.201					
Structure_-(40)	JUNCTION	0.49	11.60	4	15:44	0.255
7.28	0.002					
Structure_-(400)	JUNCTION	0.20	0.78	4	17:00	0.102

0.412	0.003						
Structure_-(401)	JUNCTION	0.20	0.58	4	17:00	0.102	
0.307	0.006						
Structure_-(404)	JUNCTION	0.20	0.39	4	17:00	0.102	
0.204	0.003						
Structure_-(405)	JUNCTION	0.20	0.20	4	17:00	0.102	
0.102	0.001						
Structure_-(407)	JUNCTION	0.20	0.37	4	16:12	0.102	
0.102	0.042						
Structure_-(408)	JUNCTION	0.00	2.04	4	17:00	0	
1.12	0.001						
Structure_-(41)	JUNCTION	0.49	27.70	4	15:31	0.255	
7.68	0.020						
Structure_-(42)	JUNCTION	0.20	35.12	4	15:32	0.102	
11.2	0.041						
Structure_-(426)	JUNCTION	0.20	0.39	4	17:00	0.102	
0.217	0.274						
Structure_-(427)	JUNCTION	0.20	0.20	4	17:00	0.102	
0.106	0.300						
Structure_-(43)	JUNCTION	0.49	15.35	4	17:04	0.255	
11.3	0.077						
Structure_-(431)	JUNCTION	0.00	24.48	4	18:22	0	
53.1	0.004						
Structure_-(432)	JUNCTION	0.00	13.90	4	18:51	0	
44.9	-0.001						
Structure_-(433)	JUNCTION	0.00	13.79	4	18:50	0	
44.9	0.004						
Structure_-(434)	JUNCTION	0.00	13.60	4	18:52	0	
44.9	-0.005						
Structure_-(435)	JUNCTION	0.00	13.44	4	18:37	0	
44.9	0.020						
Structure_-(44)	JUNCTION	0.49	15.83	4	17:04	0.255	
11.5	0.035						
Structure_-(446)	JUNCTION	0.00	18.96	5	03:24	0	
55.5	0.001						
Structure_-(447)	JUNCTION	0.00	18.96	5	03:27	0	
55.5	0.002						
Structure_-(448)	JUNCTION	0.00	18.96	5	03:29	0	
55.5	0.006						
Structure_-(449)	JUNCTION	0.00	22.68	0	00:00	0	
55.5	0.006						
Structure_-(45)	JUNCTION	0.20	16.02	4	17:04	0.102	
11.6	0.016						
Structure_-(450)	JUNCTION	0.00	47.92	0	00:00	0	
55.5	0.002						
Structure_-(451)	JUNCTION	0.00	303.74	0	00:00	0	
55.5	0.000						
Structure_-(453)	JUNCTION	0.00	5.75	9	15:51	0	
0.198	5.090						
Structure_-(454)	JUNCTION	0.00	10.54	9	15:57	0	
0.238	-1.064						
Structure_-(455)	JUNCTION	0.00	8.87	9	15:51	0	
0.243	1.826						

Structure_-(456)	JUNCTION	0.00	9.95	9	15:51	0
0.237 -0.071						
Structure_-(457)	JUNCTION	0.00	10.11	9	15:51	0
0.257 0.867						
Structure_-(458)	JUNCTION	0.00	72.05	9	15:49	0
0.5 5.230						
Structure_-(459)	JUNCTION	0.00	19.54	4	13:10	0
55.4 0.005						
Structure_-(46)	JUNCTION	0.20	16.16	4	17:04	0.102
11.7 0.051						
Structure_-(460)	JUNCTION	0.00	18.96	5	02:55	0
55.4 0.002						
Structure_-(461)	JUNCTION	0.00	18.96	5	02:57	0
55.4 0.002						
Structure_-(462)	JUNCTION	0.00	18.96	5	02:59	0
55.5 0.006						
Structure_-(463)	JUNCTION	0.00	18.96	5	03:19	0
55.5 0.005						
Structure_-(469)	JUNCTION	0.20	95.43	4	12:56	0.102
1.5 3.065						
Structure_-(47)	JUNCTION	0.49	23.14	4	17:02	0.255
16.2 0.094						
Structure_-(470)	JUNCTION	0.20	19.07	4	12:56	0.102
0.611 0.070						
Structure_-(471)	JUNCTION	0.20	20.17	4	12:56	0.102
0.43 0.045						
Structure_-(472)	JUNCTION	0.20	20.18	4	12:56	0.102
0.268 -0.372						
Structure_-(473)	JUNCTION	0.20	11.89	4	12:56	0.102
0.12 0.734						
Structure_-(475)	JUNCTION	0.20	0.24	11	13:53	0.102
0.105 1.117						
Structure_-(476)	JUNCTION	0.20	0.39	4	17:00	0.102
0.209 -0.088						
Structure_-(477)	JUNCTION	0.20	0.78	4	17:00	0.102
0.415 1.525						
Structure_-(478)	JUNCTION	0.00	35.35	4	12:55	0
44.9 -0.009						
Structure_-(481)	JUNCTION	0.00	1.83	2	15:22	0
0.148 6.488						
Structure_-(482)	JUNCTION	0.00	2.19	2	15:23	0
0.137 0.600						
Structure_-(483)	JUNCTION	0.00	1.36	2	15:23	0
0.142 4.808						
Structure_-(484)	JUNCTION	0.00	1.37	2	15:23	0
0.14 -2.409						
Structure_-(485)	JUNCTION	0.00	1.26	9	16:01	0
0.135 -0.108						
Structure_-(487)	JUNCTION	0.20	0.20	4	17:00	0.102
0.103 -0.103						
Structure_-(489)	JUNCTION	0.20	31.08	4	17:12	0.102
42.9 1.136						
Structure_-(490)	JUNCTION	0.49	0.49	4	17:00	0.255

0.255	0.127						
Structure_--(495)		JUNCTION	0.00	1.11	4	17:00	0
0.613	0.001						
Structure_--(5)		JUNCTION	0.49	2.44	4	17:00	0.255
1.47	0.359						
Structure_--(50)		JUNCTION	0.49	23.62	4	17:02	0.255
16.1	0.059						
Structure_--(502)		JUNCTION	0.20	1.44	4	12:54	0.102
0.105	0.018						
Structure_--(503)		JUNCTION	0.20	7.75	4	10:52	0.102
3.07	0.078						
Structure_--(51)		JUNCTION	0.49	24.10	4	17:02	0.255
16.4	0.058						
Structure_--(52)		JUNCTION	0.20	26.94	4	12:58	0.102
18.1	0.090						
Structure_--(53)		JUNCTION	0.00	28.00	4	17:02	0
18.8	0.135						
Structure_--(54)		JUNCTION	0.00	28.00	4	17:02	0
19	0.181						
Structure_--(56)		JUNCTION	0.20	2.69	4	16:56	0.102
4.07	0.003						
Structure_--(57)		JUNCTION	0.29	2.21	4	16:56	0.153
1.18	-0.000						
Structure_--(58)		JUNCTION	0.29	1.90	4	16:58	0.153
1.02	0.003						
Structure_--(59)		JUNCTION	0.29	1.60	4	16:59	0.153
0.868	-0.001						
Structure_--(6)		JUNCTION	0.20	2.67	11	06:01	0.102
1.66	0.376						
Structure_--(60)		JUNCTION	0.29	1.35	4	16:59	0.153
0.715	0.001						
Structure_--(61)		JUNCTION	0.29	1.08	4	16:58	0.153
0.562	0.001						
Structure_--(62)		JUNCTION	0.29	0.78	4	17:00	0.153
0.409	0.003						
Structure_--(63)		JUNCTION	0.49	0.49	4	17:00	0.255
0.256	-0.003						
Structure_--(7)		JUNCTION	0.20	2.83	4	17:00	0.102
1.84	0.251						
Structure_--(70)		JUNCTION	0.29	2.96	4	16:54	0.153
1.4	-0.021						
Structure_--(71)		JUNCTION	0.29	2.62	4	16:56	0.153
1.23	0.001						
Structure_--(72)		JUNCTION	0.29	2.05	4	16:58	0.153
1.07	0.004						
Structure_--(73)		JUNCTION	0.29	1.75	4	17:01	0.153
0.919	0.001						
Structure_--(74)		JUNCTION	0.29	1.46	4	17:00	0.153
0.766	0.001						
Structure_--(75)		JUNCTION	0.29	1.17	4	17:00	0.153
0.613	0.001						
Structure_--(76)		JUNCTION	0.29	0.88	4	17:00	0.153
0.46	0.002						

Structure_-(77)	JUNCTION	0.29	0.58	4	17:00	0.153
0.306	0.002					
Structure_-(78)	JUNCTION	0.29	0.29	4	17:00	0.153
0.153	0.001					
Structure_-(79)	JUNCTION	0.29	1.97	4	12:58	0.153
1.02	0.004					
Structure_-(8)	JUNCTION	0.20	4.63	4	10:53	0.102
2.27	0.352					
Structure_-(80)	JUNCTION	0.29	1.54	4	17:09	0.153
0.87	0.004					
Structure_-(81)	JUNCTION	0.29	1.27	4	17:10	0.153
0.716	0.002					
Structure_-(82)	JUNCTION	0.29	1.00	4	17:11	0.153
0.562	0.001					
Structure_-(83)	JUNCTION	0.29	0.73	4	16:59	0.153
0.409	0.001					
Structure_-(84)	JUNCTION	0.29	0.48	4	17:00	0.153
0.256	0.001					
Structure_-(85)	JUNCTION	0.20	0.20	4	17:00	0.102
0.103	-0.005					
Structure_-(86)	JUNCTION	0.49	8.87	4	15:42	0.255
3.5	0.004					
Structure_-(87)	JUNCTION	0.49	7.94	4	12:56	0.255
3.24	0.013					
Structure_-(88)	JUNCTION	0.49	7.26	4	12:57	0.255
2.96	-0.000					
Structure_-(89)	JUNCTION	0.49	6.64	4	15:47	0.255
2.69	0.021					
Structure_-(9)	JUNCTION	0.20	5.89	4	10:52	0.102
2.5	0.300					
Structure_-(90)	JUNCTION	0.49	6.32	4	15:51	0.255
2.45	-0.011					
Structure_-(92)	JUNCTION	0.49	3.92	4	17:01	0.255
2.17	0.007					
Structure_-(93)	JUNCTION	0.49	3.47	4	16:59	0.255
1.89	-0.000					
Structure_-(94)	JUNCTION	0.49	3.00	4	16:59	0.255
1.63	0.000					
Structure_-(95)	JUNCTION	0.49	2.53	4	16:59	0.255
1.38	0.000					
Structure_-(96)	JUNCTION	0.49	2.05	4	16:59	0.255
1.12	0.002					
Structure_-(97)	JUNCTION	0.49	1.59	4	17:00	0.255
0.868	-0.001					
Structure_-(98)	JUNCTION	0.49	1.14	4	17:00	0.255
0.613	0.001					
Structure_-(99)	JUNCTION	0.00	0.68	4	16:58	0
0.358	0.003					
Structure520	JUNCTION	0.20	2.06	9	15:53	0.102
0.164	4.251					
Structure521	JUNCTION	0.31	1.86	4	17:00	0.164
0.985	0.587					
Structure522	JUNCTION	0.31	3.19	4	17:19	0.164

1.16	0.477							
Structure587		JUNCTION	0.20	32.24	4	12:57		0.102
43.8	0.159							
Structure593		JUNCTION	0.20	35.70	4	12:55		0.102
44.6	0.181							
Structure602		JUNCTION	0.00	8.42	4	15:50		0
4.7	0.275							
SU1-2_Central		JUNCTION	0.00	7.81	4	17:00		0
4.1	-0.025							
SU1-2_J1		JUNCTION	0.00	5.58	4	16:24		0
3.78	-0.419							
SU1-2_J1-2		JUNCTION	0.00	5.60	4	16:24		0
3.79	-0.004							
SU1-2_J2		JUNCTION	0.00	5.61	4	16:24		0
3.79	0.290							
SU1-2_Overflow		JUNCTION	0.00	8.12	4	16:45		0
11.5	0.105							
SU1-2_PSOut		JUNCTION	0.00	5.57	4	15:51		0
3.77	-0.011							
SU1-2_South		JUNCTION	1.55	1.55	4	17:00		0.771
0.771	0.072							
SU1-2_West		JUNCTION	6.18	6.18	4	17:00		3.09
3.09	0.070							
SU6-1E		JUNCTION	2.91	2.91	4	17:00		1.45
1.45	0.192							
SU6-1NE		JUNCTION	0.00	7.23	4	15:57		0
3.05	-0.109							
SU6-1S		JUNCTION	2.91	2.91	4	17:00		1.45
1.45	0.267							
SU6-7		JUNCTION	0.00	6.62	0	00:00		0
5.28	0.015							
SU67-J1		JUNCTION	0.00	5.57	4	15:38		0
4.43	-0.702							
SU67-J2		JUNCTION	0.00	5.57	4	16:24		0
4.46	0.621							
SU67-J3		JUNCTION	0.00	5.76	4	20:36		0
4.44	0.122							
SU67-J4		JUNCTION	0.00	5.57	4	15:38		0
4.43	-0.007							
SU67-J5		JUNCTION	0.00	5.57	4	15:46		0
4.43	-0.003							
SU67-J6		JUNCTION	0.00	5.57	4	16:41		0
4.43	-0.001							
SU67-J7		JUNCTION	0.00	5.57	4	16:42		0
4.43	-0.025							
SU7-2W		JUNCTION	3.07	3.07	4	17:00		1.53
1.53	0.170							
SU7-3W		JUNCTION	0.00	4.16	4	16:10		0
1.86	-0.060							
UDitch_Out		JUNCTION	0.00	29.84	9	15:53		0
24.3	1.036							
5_Dummy_Outlet		OUTFALL	0.00	0.00	0	00:00		0
0	0.000 gal							

C_Dummy_Outlet	OUTFALL	0.00	0.00	0	00:00	0
0	0.000 gal					
D_Dummy_Outlet	OUTFALL	0.00	0.00	0	00:00	0
0	0.000 gal					
E_Dummy_Outlet	OUTFALL	0.00	0.00	0	00:00	0
0	0.000 gal					
F_Dummy_Outlet	OUTFALL	0.00	0.00	0	00:00	0
0	0.000 gal					
G_Dummy_Outlet	OUTFALL	0.00	0.00	0	00:00	0
0	0.000 gal					
H_Dummy_Outlet	OUTFALL	0.00	0.00	0	00:00	0
0	0.000 gal					
Outfall_002A	OUTFALL	0.00	24.48	4	18:22	0
53.1	0.000					
Outfall003	OUTFALL	0.00	30.18	4	17:07	0
16.4	0.000					
Facility77_Inlet	STORAGE	0.00	1786.16	9	15:53	0
68.3	1.023					
PS_SU6-7	STORAGE	0.00	6.40	4	15:52	0
4.81	0.010					
PSC_Sump	STORAGE	0.00	18.98	5	19:02	0
55.3	0.001					
RetenionPond	STORAGE	0.00	82.49	0	00:00	0
57.4	0.000					
SU1-2_PS	STORAGE	0.00	7.75	4	17:04	0
4.11	0.037					

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#### Node Surcharge Summary

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Surcharging occurs when water rises above the top of the highest conduit.

Node	Type	Hours Surcharged	Max. Height Above Crown Feet	Min. Depth Below Rim Feet
Culvert_Ditch11	JUNCTION	102.55	4.329	2.671
Culvert_Ditch12	JUNCTION	103.06	4.354	0.000
Culvert_Ditch12a	JUNCTION	103.48	4.394	0.000
Culvert_Ditch12b	JUNCTION	103.60	4.404	0.000
Culvert_Ditch12c	JUNCTION	105.10	4.514	0.000
Ditch11_12	JUNCTION	102.98	4.345	0.000
DIitch12_18	JUNCTION	184.64	6.804	0.000
Ditch9_10_11	JUNCTION	129.80	5.553	2.947
Facility77_PS	JUNCTION	334.77	46.934	0.000
PS004	JUNCTION	191.71	7.944	0.000
PSC_Outlet	JUNCTION	131.16	48.652	0.000
Roadside_Connection	JUNCTION	25.41	0.000	0.000
SDCB294	JUNCTION	14.06	0.885	4.115
Structure_-_ (1)	JUNCTION	47.40	3.506	0.000
Structure_-_ (10)	JUNCTION	137.85	3.359	3.081

Structure_-(123)	JUNCTION	0.99	0.023	4.607
Structure_-(124)	JUNCTION	39.99	6.910	0.000
Structure_-(139)	JUNCTION	291.26	5.943	0.457
Structure_-(140)	JUNCTION	289.64	5.837	0.213
Structure_-(141)	JUNCTION	288.33	5.722	0.000
Structure_-(142)	JUNCTION	266.99	4.582	0.000
Structure_-(143)	JUNCTION	173.32	3.663	1.397
Structure_-(144)	JUNCTION	135.26	3.291	1.119
Structure_-(161)	JUNCTION	161.88	3.659	0.000
Structure_-(162)	JUNCTION	203.36	4.106	0.000
Structure_-(163)	JUNCTION	267.20	4.586	0.000
Structure_-(164)	JUNCTION	277.12	5.075	0.000
Structure_-(165)	JUNCTION	283.27	5.403	0.000
Structure_-(166)	JUNCTION	288.99	5.755	0.000
Structure_-(167)	JUNCTION	294.87	6.164	0.000
Structure_-(168)	JUNCTION	302.89	6.854	0.000
Structure_-(169)	JUNCTION	305.96	7.225	0.000
Structure_-(170)	JUNCTION	300.30	6.646	0.844
Structure_-(171)	JUNCTION	309.18	7.681	1.089
Structure_-(172)	JUNCTION	319.93	10.011	0.000
Structure_-(173)	JUNCTION	291.80	5.942	0.000
Structure_-(174)	JUNCTION	309.30	7.663	0.000
Structure_-(175)	JUNCTION	313.06	8.180	5.100
Structure_-(176)	JUNCTION	304.67	7.108	4.222
Structure_-(177)	JUNCTION	293.51	6.200	3.140
Structure_-(178)	JUNCTION	276.92	5.067	0.000
Structure_-(179)	JUNCTION	226.80	4.419	0.000
Structure_-(180)	JUNCTION	207.83	7.278	0.012
Structure_-(181)	JUNCTION	183.31	7.900	0.000
Structure_-(19)	JUNCTION	210.29	4.456	2.824
Structure_-(2)	JUNCTION	49.58	3.613	0.317
Structure_-(20)	JUNCTION	181.82	3.790	0.000
Structure_-(205)	JUNCTION	306.90	7.343	0.000
Structure_-(206)	JUNCTION	307.51	7.424	0.000
Structure_-(207)	JUNCTION	300.95	6.654	0.000
Structure_-(208)	JUNCTION	294.88	6.165	0.000
Structure_-(209)	JUNCTION	288.98	5.755	0.000
Structure_-(21)	JUNCTION	147.45	3.501	0.000
Structure_-(210)	JUNCTION	284.11	5.455	0.000
Structure_-(211)	JUNCTION	277.08	5.076	0.000
Structure_-(212)	JUNCTION	267.24	4.589	0.000
Structure_-(213)	JUNCTION	203.35	4.110	0.000
Structure_-(214)	JUNCTION	162.15	3.625	0.000
Structure_-(215)	JUNCTION	309.86	7.733	0.000
Structure_-(216)	JUNCTION	311.11	7.892	0.000
Structure_-(217)	JUNCTION	302.80	6.843	0.000
Structure_-(218)	JUNCTION	298.57	6.455	0.000
Structure_-(219)	JUNCTION	286.25	5.583	0.000
Structure_-(220)	JUNCTION	279.56	5.193	0.000
Structure_-(221)	JUNCTION	269.55	4.684	0.000
Structure_-(222)	JUNCTION	202.75	4.094	0.000
Structure_-(223)	JUNCTION	190.71	3.894	0.000
Structure_-(23)	JUNCTION	243.93	21.757	0.000



Structure_-(230)	JUNCTION	306.29	7.261	0.000
Structure_-(231)	JUNCTION	307.78	7.454	0.000
Structure_-(232)	JUNCTION	305.35	7.147	0.000
Structure_-(233)	JUNCTION	304.11	6.997	0.000
Structure_-(234)	JUNCTION	300.93	6.653	0.000
Structure_-(235)	JUNCTION	294.87	6.164	0.000
Structure_-(236)	JUNCTION	288.92	5.756	0.000
Structure_-(237)	JUNCTION	283.28	5.404	0.000
Structure_-(238)	JUNCTION	277.03	5.075	0.000
Structure_-(239)	JUNCTION	267.23	4.585	0.000
Structure_-(24)	JUNCTION	220.20	11.793	0.000
Structure_-(240)	JUNCTION	197.55	4.020	0.000
Structure_-(241)	JUNCTION	162.05	3.662	0.000
Structure_-(243)	JUNCTION	2.47	1.531	3.689
Structure_-(246)	JUNCTION	302.56	6.814	0.000
Structure_-(247)	JUNCTION	307.53	7.422	0.000
Structure_-(248)	JUNCTION	300.92	6.652	0.000
Structure_-(249)	JUNCTION	294.88	6.163	0.000
Structure_-(25)	JUNCTION	220.13	11.579	0.000
Structure_-(250)	JUNCTION	289.02	5.753	0.000
Structure_-(251)	JUNCTION	283.30	5.403	0.000
Structure_-(252)	JUNCTION	277.10	5.074	0.000
Structure_-(253)	JUNCTION	267.82	4.615	0.000
Structure_-(254)	JUNCTION	203.31	4.105	0.000
Structure_-(255)	JUNCTION	162.10	3.619	0.000
Structure_-(256)	JUNCTION	303.48	6.921	0.000
Structure_-(257)	JUNCTION	311.16	7.892	0.000
Structure_-(258)	JUNCTION	302.79	6.843	0.000
Structure_-(259)	JUNCTION	298.56	6.455	0.000
Structure_-(26)	JUNCTION	219.86	10.851	0.000
Structure_-(260)	JUNCTION	286.22	5.585	0.000
Structure_-(261)	JUNCTION	279.55	5.197	0.000
Structure_-(262)	JUNCTION	269.54	4.687	0.000
Structure_-(263)	JUNCTION	202.84	4.099	0.000
Structure_-(264)	JUNCTION	190.64	3.900	0.000
Structure_-(265)	JUNCTION	151.35	3.508	0.000
Structure_-(266)	JUNCTION	131.21	4.101	0.889
Structure_-(267)	JUNCTION	129.83	3.999	0.000
Structure_-(268)	JUNCTION	60.75	4.001	0.000
Structure_-(269)	JUNCTION	105.39	4.492	0.000
Structure_-(27)	JUNCTION	219.22	8.994	0.000
Structure_-(270)	JUNCTION	57.24	4.015	0.000
Structure_-(277)	JUNCTION	12.41	0.417	3.183
Structure_-(278)	JUNCTION	32.31	1.159	3.041
Structure_-(28)	JUNCTION	218.67	8.758	0.000
Structure_-(29)	JUNCTION	218.61	8.609	0.000
Structure_-(3)	JUNCTION	57.35	3.580	0.000
Structure_-(30)	JUNCTION	218.49	8.021	0.000
Structure_-(31)	JUNCTION	218.01	6.433	0.000
Structure_-(32)	JUNCTION	217.55	5.632	0.000
Structure_-(325)	JUNCTION	0.26	0.035	2.815
Structure_-(33)	JUNCTION	217.20	5.236	0.000
Structure_-(331)	JUNCTION	1.67	1.982	1.698

Structure_-_ (332)	JUNCTION	0.58	1.797	1.733
Structure_-_ (34)	JUNCTION	215.58	3.695	0.000
Structure_-_ (35)	JUNCTION	209.17	1.698	0.000
Structure_-_ (370)	JUNCTION	35.40	1.326	2.174
Structure_-_ (371)	JUNCTION	31.32	1.157	2.343
Structure_-_ (373)	JUNCTION	38.09	1.397	2.103
Structure_-_ (374)	JUNCTION	38.87	5.734	0.000
Structure_-_ (375)	JUNCTION	42.58	5.734	0.000
Structure_-_ (376)	JUNCTION	45.74	5.733	0.000
Structure_-_ (377)	JUNCTION	45.26	5.825	0.000
Structure_-_ (378)	JUNCTION	50.43	5.400	0.000
Structure_-_ (379)	JUNCTION	288.16	6.264	0.886
Structure_-_ (380)	JUNCTION	249.42	5.254	0.000
Structure_-_ (381)	JUNCTION	38.97	2.898	0.502
Structure_-_ (392)	JUNCTION	65.42	2.861	4.029
Structure_-_ (393)	JUNCTION	48.98	2.112	3.760
Structure_-_ (394)	JUNCTION	239.17	4.436	3.930
Structure_-_ (395)	JUNCTION	300.72	5.726	1.894
Structure_-_ (397)	JUNCTION	24.64	0.802	2.698
Structure_-_ (398)	JUNCTION	179.13	3.743	0.590
Structure_-_ (399)	JUNCTION	96.86	3.062	1.272
Structure_-_ (4)	JUNCTION	53.06	4.173	0.000
Structure_-_ (400)	JUNCTION	48.15	2.041	1.792
Structure_-_ (401)	JUNCTION	18.92	0.540	3.593
Structure_-_ (407)	JUNCTION	42.87	1.636	2.697
Structure_-_ (408)	JUNCTION	3.83	0.122	3.378
Structure_-_ (41)	JUNCTION	39.60	3.261	1.699
Structure_-_ (42)	JUNCTION	39.87	3.446	1.384
Structure_-_ (426)	JUNCTION	164.98	3.511	0.289
Structure_-_ (427)	JUNCTION	129.51	3.240	0.160
Structure_-_ (43)	JUNCTION	47.05	2.672	0.553
Structure_-_ (431)	JUNCTION	4.44	0.978	0.000
Structure_-_ (432)	JUNCTION	3.65	0.720	0.000
Structure_-_ (433)	JUNCTION	2.62	0.479	0.000
Structure_-_ (44)	JUNCTION	51.48	2.367	3.425
Structure_-_ (446)	JUNCTION	334.72	17.262	0.000
Structure_-_ (447)	JUNCTION	334.79	16.128	0.000
Structure_-_ (448)	JUNCTION	334.95	14.917	0.000
Structure_-_ (449)	JUNCTION	334.99	9.944	0.000
Structure_-_ (45)	JUNCTION	52.55	2.377	0.000
Structure_-_ (450)	JUNCTION	335.00	7.509	0.000
Structure_-_ (451)	JUNCTION	335.00	7.745	0.000
Structure_-_ (453)	JUNCTION	271.62	5.558	0.000
Structure_-_ (454)	JUNCTION	271.63	5.562	0.000
Structure_-_ (455)	JUNCTION	271.62	5.575	0.000
Structure_-_ (456)	JUNCTION	271.63	5.613	0.000
Structure_-_ (457)	JUNCTION	271.67	5.715	0.000
Structure_-_ (458)	JUNCTION	271.80	5.944	0.000
Structure_-_ (459)	JUNCTION	334.86	27.410	0.000
Structure_-_ (46)	JUNCTION	53.87	2.445	0.000
Structure_-_ (460)	JUNCTION	334.86	26.960	0.000
Structure_-_ (461)	JUNCTION	334.89	26.180	0.000
Structure_-_ (462)	JUNCTION	334.90	25.619	0.000

Structure_-(463)	JUNCTION	334.94	23.579	0.000
Structure_-(469)	JUNCTION	285.06	5.516	0.000
Structure_-(47)	JUNCTION	107.82	3.108	2.009
Structure_-(470)	JUNCTION	44.73	3.075	0.000
Structure_-(471)	JUNCTION	42.75	3.065	0.000
Structure_-(472)	JUNCTION	40.60	3.216	0.000
Structure_-(473)	JUNCTION	39.58	3.327	0.000
Structure_-(475)	JUNCTION	314.85	6.742	3.588
Structure_-(476)	JUNCTION	315.57	6.862	3.628
Structure_-(477)	JUNCTION	316.86	7.169	3.321
Structure_-(478)	JUNCTION	301.40	5.738	2.112
Structure_-(481)	JUNCTION	271.62	5.511	0.000
Structure_-(482)	JUNCTION	271.61	5.460	0.000
Structure_-(483)	JUNCTION	271.61	5.411	0.000
Structure_-(484)	JUNCTION	271.61	5.291	0.000
Structure_-(485)	JUNCTION	271.60	5.261	0.000
Structure_-(487)	JUNCTION	320.61	7.786	3.334
Structure_-(5)	JUNCTION	59.13	5.186	0.464
Structure_-(50)	JUNCTION	163.61	3.556	1.310
Structure_-(502)	JUNCTION	44.90	4.334	0.000
Structure_-(503)	JUNCTION	141.83	3.384	2.996
Structure_-(51)	JUNCTION	181.62	3.802	1.144
Structure_-(52)	JUNCTION	194.28	3.979	0.000
Structure_-(53)	JUNCTION	180.35	3.762	1.105
Structure_-(54)	JUNCTION	181.90	3.781	1.085
Structure_-(57)	JUNCTION	6.57	0.278	3.222
Structure_-(58)	JUNCTION	4.75	0.179	3.321
Structure_-(6)	JUNCTION	142.64	3.363	0.000
Structure_-(7)	JUNCTION	123.31	3.254	0.026
Structure_-(70)	JUNCTION	20.57	0.704	2.796
Structure_-(79)	JUNCTION	24.34	0.881	2.619
Structure_-(8)	JUNCTION	156.29	3.510	2.020
Structure_-(80)	JUNCTION	17.25	0.597	2.903
Structure_-(81)	JUNCTION	8.26	0.323	3.177
Structure_-(82)	JUNCTION	2.79	0.082	3.418
Structure_-(86)	JUNCTION	22.46	0.806	1.194
Structure_-(87)	JUNCTION	41.19	1.739	1.261
Structure_-(88)	JUNCTION	39.41	1.563	1.437
Structure_-(89)	JUNCTION	38.34	2.706	0.294
Structure_-(9)	JUNCTION	178.96	3.785	2.645
Structure_-(90)	JUNCTION	39.64	3.250	0.000
Structure_-(92)	JUNCTION	12.80	0.473	2.777
Structure_-(93)	JUNCTION	2.67	0.085	3.165
Structure520	JUNCTION	161.28	3.490	0.000
Structure587	JUNCTION	300.73	5.662	0.000
Structure593	JUNCTION	301.00	5.680	0.000
Structure602	JUNCTION	145.80	3.384	0.000
SU1-2_J1	JUNCTION	12.23	39.007	0.000
SU1-2_J1-2	JUNCTION	12.99	31.341	0.000
SU1-2_J2	JUNCTION	1.98	12.411	0.000
SU1-2_PSOut	JUNCTION	36.73	111.952	0.000
SU6-7	JUNCTION	248.80	7.755	0.435
SU67-J1	JUNCTION	15.37	48.280	0.000

SU67-J2	JUNCTION	10.84	10.215	0.000
SU67-J3	JUNCTION	6.58	1.351	0.000

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Node Flooding Summary  
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Flooding refers to all water that overflows a node, whether it ponds or not.

Node	Hours Flooded	Maximum Rate CFS	Time of Max Occurrence days hr:min	Total Flood Volume 10 <sup>6</sup> gal	Maximum Ponded Depth Feet
Culvert_Ditch12	92.17	0.17	5 00:00	0.030	2.854
Culvert_Ditch12a	92.64	0.38	4 23:54	0.030	2.894
Culvert_Ditch12b	92.73	1.08	9 00:06	0.070	2.904
Culvert_Ditch12c	105.10	0.71	4 22:41	0.087	4.514
Ditch11_12	92.14	0.25	5 21:10	0.039	2.845
DIitch12_18	111.31	0.56	9 01:24	0.081	5.004
Facility77_PS	334.77	22.28	10 13:10	0.762	46.934
PS004	182.60	0.94	4 16:36	0.152	6.504
PSC_Outlet	131.15	7.36	4 01:19	1.735	48.652
Roadside_Connection	24.74	0.75	5 14:43	0.162	0.000
Structure_-_ (1)	0.01	0.71	9 15:54	0.000	0.006
Structure_-_ (141)	28.90	0.17	4 22:03	0.009	1.022
Structure_-_ (142)	17.13	0.10	5 09:56	0.004	0.582
Structure_-_ (161)	0.16	2.15	9 15:56	0.001	0.059
Structure_-_ (162)	22.17	2.25	9 16:02	0.016	0.756
Structure_-_ (163)	38.99	3.20	4 12:58	0.032	1.386
Structure_-_ (164)	46.10	4.69	4 12:57	0.050	1.975
Structure_-_ (165)	51.11	7.61	4 12:57	0.046	2.303
Structure_-_ (166)	59.58	5.05	9 15:49	0.066	2.655
Structure_-_ (167)	132.54	7.20	4 12:57	0.142	3.214
Structure_-_ (168)	189.08	7.06	9 15:50	0.183	3.854
Structure_-_ (169)	237.63	8.22	4 12:54	0.240	4.425
Structure_-_ (172)	314.10	238.31	9 15:49	1.561	9.011
Structure_-_ (173)	10.96	0.21	5 07:08	0.005	0.342
Structure_-_ (174)	10.99	0.15	5 10:56	0.004	0.343
Structure_-_ (178)	41.82	0.59	4 10:46	0.010	1.667
Structure_-_ (179)	22.62	0.15	4 10:52	0.003	0.769
Structure_-_ (181)	0.01	0.29	4 10:52	0.000	0.000
Structure_-_ (20)	7.51	0.46	11 02:44	0.001	0.290
Structure_-_ (205)	44.19	1.64	4 12:55	0.026	1.853
Structure_-_ (206)	239.30	4.06	9 15:58	0.192	4.424
Structure_-_ (207)	189.11	3.98	4 12:57	0.146	3.854
Structure_-_ (208)	132.39	4.75	4 12:57	0.102	3.215
Structure_-_ (209)	59.52	4.50	9 15:52	0.048	2.655
Structure_-_ (21)	0.01	0.36	4 11:01	0.000	0.001
Structure_-_ (210)	52.08	5.64	4 12:58	0.031	2.355
Structure_-_ (211)	45.98	3.47	4 13:04	0.034	1.976
Structure_-_ (212)	38.80	2.09	4 13:00	0.023	1.389

Structure_-(213)	22.22	2.54	9	15:53	0.013	0.760
Structure_-(214)	0.10	1.15	4	13:01	0.001	0.025
Structure_-(215)	26.94	0.38	4	22:14	0.017	0.955
Structure_-(216)	273.96	5.70	4	12:56	0.214	4.892
Structure_-(217)	203.47	5.26	9	15:50	0.160	4.093
Structure_-(218)	173.49	5.89	4	12:57	0.150	3.605
Structure_-(219)	57.70	5.75	9	16:02	0.075	2.583
Structure_-(220)	47.75	5.11	4	13:00	0.040	2.093
Structure_-(221)	40.58	3.34	4	13:01	0.034	1.584
Structure_-(222)	29.47	2.92	4	13:01	0.020	1.044
Structure_-(223)	16.64	2.67	4	13:01	0.009	0.544
Structure_-(23)	243.92	1.34	1	06:17	0.027	21.757
Structure_-(230)	1.71	0.11	5	02:33	0.000	0.041
Structure_-(231)	18.21	0.24	5	16:54	0.007	0.624
Structure_-(232)	18.01	0.21	5	12:50	0.008	0.614
Structure_-(233)	59.31	5.17	9	16:02	0.059	2.647
Structure_-(234)	60.16	6.97	9	16:02	0.055	2.673
Structure_-(235)	51.26	6.11	9	15:52	0.046	2.304
Structure_-(236)	54.66	4.79	4	13:09	0.047	2.406
Structure_-(237)	51.35	5.60	4	12:58	0.036	2.304
Structure_-(238)	46.15	3.72	9	16:07	0.039	1.975
Structure_-(239)	38.78	3.05	9	15:56	0.023	1.385
Structure_-(24)	203.02	0.02	4	17:50	0.006	7.293
Structure_-(240)	19.56	3.21	9	15:56	0.010	0.670
Structure_-(241)	0.15	1.72	9	15:53	0.001	0.062
Structure_-(246)	19.39	0.22	5	16:54	0.006	0.664
Structure_-(247)	239.16	3.75	4	12:54	0.206	4.422
Structure_-(248)	189.07	3.63	4	12:57	0.152	3.852
Structure_-(249)	132.36	4.74	9	15:53	0.106	3.213
Structure_-(25)	220.13	0.07	1	06:30	0.013	11.579
Structure_-(250)	59.47	3.85	9	15:57	0.058	2.653
Structure_-(251)	51.30	5.71	4	12:58	0.037	2.303
Structure_-(252)	46.20	4.09	4	12:58	0.041	1.974
Structure_-(253)	39.16	2.84	4	13:01	0.024	1.415
Structure_-(254)	22.22	2.07	4	13:07	0.010	0.755
Structure_-(255)	0.15	1.27	4	13:13	0.001	0.019
Structure_-(256)	14.73	0.27	5	12:29	0.009	0.441
Structure_-(257)	273.98	5.53	4	12:54	0.205	4.892
Structure_-(258)	203.43	5.30	9	15:50	0.150	4.093
Structure_-(259)	173.56	5.34	9	15:50	0.137	3.605
Structure_-(26)	219.84	0.07	1	06:41	0.016	10.851
Structure_-(260)	57.59	4.77	4	12:55	0.047	2.585
Structure_-(261)	47.64	4.92	9	15:55	0.027	2.097
Structure_-(262)	40.60	3.82	4	13:00	0.029	1.587
Structure_-(263)	29.61	2.88	4	12:58	0.012	1.049
Structure_-(264)	16.70	2.11	4	13:00	0.006	0.550
Structure_-(265)	0.01	1.20	9	15:52	0.000	0.008
Structure_-(267)	0.01	0.39	9	15:57	0.000	0.009
Structure_-(268)	0.01	0.27	4	13:01	0.000	0.001
Structure_-(269)	0.01	0.14	4	12:58	0.000	0.002
Structure_-(27)	219.08	0.03	1	07:27	0.012	8.994
Structure_-(270)	0.01	0.68	9	15:54	0.000	0.015
Structure_-(28)	218.67	0.02	1	07:41	0.008	8.758

Structure_-(29)	218.60	0.02	1	07:42	0.009	8.609
Structure_-(3)	0.01	0.99	9	15:54	0.000	0.010
Structure_-(30)	218.48	0.02	1	07:40	0.010	8.021
Structure_-(31)	217.98	0.02	4	17:25	0.008	6.433
Structure_-(32)	217.54	0.02	4	17:16	0.006	5.632
Structure_-(33)	217.20	0.02	4	17:11	0.006	5.236
Structure_-(34)	215.57	0.04	4	17:03	0.006	3.695
Structure_-(35)	208.81	0.06	4	16:57	0.004	1.698
Structure_-(374)	0.01	0.11	4	12:55	0.000	0.001
Structure_-(375)	0.01	0.21	4	12:55	0.000	0.001
Structure_-(377)	0.01	2.02	4	12:57	0.000	0.005
Structure_-(378)	0.01	1.44	4	12:59	0.000	0.000
Structure_-(380)	0.01	23.21	9	16:00	0.000	0.054
Structure_-(4)	0.01	0.83	9	15:54	0.000	0.003
Structure_-(431)	4.41	1.18	4	15:53	0.015	0.978
Structure_-(432)	3.65	0.18	4	16:00	0.001	0.720
Structure_-(433)	2.62	0.14	4	16:12	0.001	0.479
Structure_-(446)	334.72	0.83	4	07:06	0.157	17.262
Structure_-(447)	334.79	1.25	0	00:02	0.158	16.128
Structure_-(448)	334.95	4.96	0	00:02	0.236	14.917
Structure_-(449)	334.99	22.68	0	00:00	0.109	9.944
Structure_-(45)	25.15	0.65	4	15:49	0.015	0.877
Structure_-(450)	335.00	44.56	0	00:00	0.028	7.509
Structure_-(451)	335.00	289.37	0	00:00	0.019	7.745
Structure_-(453)	47.20	4.83	9	15:51	0.044	2.058
Structure_-(454)	47.37	6.50	9	15:54	0.010	2.062
Structure_-(455)	47.59	3.88	9	15:57	0.016	2.075
Structure_-(456)	50.42	7.52	9	15:51	0.051	2.280
Structure_-(457)	53.14	6.64	4	12:58	0.054	2.382
Structure_-(458)	57.75	66.97	9	15:49	0.236	2.610
Structure_-(459)	334.86	3.03	4	07:03	0.394	27.410
Structure_-(46)	26.54	0.62	4	15:49	0.020	0.945
Structure_-(460)	334.86	1.83	4	07:03	0.249	26.960
Structure_-(461)	334.89	1.89	4	07:04	0.246	26.180
Structure_-(462)	334.90	2.84	4	07:04	0.373	25.619
Structure_-(463)	334.94	8.68	0	00:03	0.294	23.579
Structure_-(469)	55.35	90.95	9	15:49	0.270	2.516
Structure_-(470)	0.01	10.29	4	12:59	0.000	0.075
Structure_-(471)	0.01	7.52	9	15:52	0.000	0.065
Structure_-(472)	0.02	8.19	4	12:59	0.001	0.216
Structure_-(473)	0.02	10.56	4	12:56	0.001	0.327
Structure_-(481)	46.23	0.45	2	15:23	0.019	2.011
Structure_-(482)	45.40	0.16	4	20:54	0.007	1.960
Structure_-(483)	44.76	0.25	4	20:51	0.009	1.911
Structure_-(484)	43.21	0.15	4	16:02	0.007	1.791
Structure_-(485)	42.82	0.21	4	16:10	0.007	1.761
Structure_-(502)	0.01	0.85	4	12:56	0.000	0.000
Structure_-(52)	5.40	0.62	5	00:47	0.005	0.212
Structure_-(6)	11.15	0.51	9	15:54	0.002	0.343
Structure_-(90)	0.01	1.51	4	12:56	0.000	0.000
Structure520	44.15	1.98	9	15:53	0.040	1.640
Structure587	178.60	23.97	9	15:50	0.574	3.662
Structure593	179.65	27.05	9	15:50	0.574	3.680

Structure602                    37.62            2.54            4 15:50            0.028            1.384

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 Storage Volume Summary  
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Time of Max Occurrence	Storage Unit	Maximum Outflow CFS	Average Volume 1000 ft3	Avg Pcnt Full	Evap Loss	Exfil Loss	Maximum Volume 1000 ft3	Max Pcnt Full
5 03:05	Facility77_Inlet	1254.59	7.351	72	0	0	9.476	93
4 18:15	PS_SU6-7	6.62	0.567	34	0	0	1.349	82
5 10:33	PSC_Sump	18.98	2.540	38	0	0	5.334	80
5 10:37	RetenionPond	303.74	285.353	70	0	0	353.583	87
4 17:04	SU1-2_PS	7.75	0.774	50	0	0	1.176	75

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 Outfall Loading Summary  
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Outfall Node	Flow Freq Pcnt	Avg Flow CFS	Max Flow CFS	Total Volume 10^6 gal
5_Dummy_Outlet	0.00	0.00	0.00	0.000
C_Dummy_Outlet	0.00	0.00	0.00	0.000
D_Dummy_Outlet	0.00	0.00	0.00	0.000
E_Dummy_Outlet	0.00	0.00	0.00	0.000
F_Dummy_Outlet	0.00	0.00	0.00	0.000
G_Dummy_Outlet	0.00	0.00	0.00	0.000
H_Dummy_Outlet	0.00	0.00	0.00	0.000
Outfall_002A	75.04	8.99	24.48	53.133
Outfall003	99.99	2.02	30.18	16.362
System	19.45	11.01	54.52	69.495

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 Link Flow Summary  
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Max/ Full Link Depth	Type	Maximum  Flow  CFS	Time of Max Occurrence days hr:min	Maximum  Veloc  ft/sec	Max/ Full Flow
172_to_Inlet 1.00	CONDUIT	245.13	12 04:18	20.36	0.07
278_to_PS_B 1.00	CONDUIT	5.89	4 15:50	1.84	0.07
381_to_PS77 1.00	CONDUIT	1667.15	9 15:53	41.19	6.96
458_to_Inlet 1.00	CONDUIT	72.05	9 15:49	33.03	0.30
469_to_Inlet 1.00	CONDUIT	95.32	4 12:56	30.34	0.17
C1_1 0.20	CONDUIT	6.29	4 16:48	1.62	0.05
C1_2 1.00	CONDUIT	7.75	4 17:04	2.47	0.45
Culvert11 1.00	CONDUIT	1.35	4 17:04	2.00	0.06
Culvert12 1.00	CONDUIT	1.06	4 16:37	2.32	1.50
Culvert12a 1.00	CONDUIT	0.95	4 23:02	1.36	0.67
Culvert12c 1.00	CONDUIT	1.12	4 16:24	1.48	0.53
Ditch_77 1.00	CONDUIT	32.12	4 12:57	0.88	1.45
Ditch11 1.00	CONDUIT	1.19	4 17:04	0.46	0.01
Ditch12 1.00	CONDUIT	1.40	9 00:06	0.74	0.02
Ditch12a 1.00	CONDUIT	1.07	4 22:41	0.50	0.02
Ditch13 0.83	CONDUIT	2.91	4 17:19	0.07	0.26
Ditch14 0.61	CONDUIT	3.36	4 17:01	0.18	0.03
Ditch15 0.52	CONDUIT	4.20	4 17:07	1.47	0.21
Ditch16 0.29	CONDUIT	5.09	4 17:08	1.48	0.04
Ditch17	CONDUIT	6.00	4 17:08	0.71	0.02



0.27	Ditch18	CONDUIT	1.46	4	16:36	1.15	0.01
1.00	Ditch2	CONDUIT	5.76	4	16:33	0.17	0.00
0.50	Ditch3	CONDUIT	8.49	4	16:30	0.26	0.01
0.60	Ditch4_1	CONDUIT	6.21	4	16:45	0.44	0.00
0.50	Ditch4_2	CONDUIT	4.52	5	06:42	0.45	0.00
0.60	Ditch4_489	CONDUIT	29.36	4	17:12	0.21	0.33
0.74	Ditch5	CONDUIT	18.43	4	17:03	1.17	0.04
0.23	Ditch6	CONDUIT	24.05	4	17:04	1.74	0.43
0.19	Ditch7	CONDUIT	24.25	4	17:11	2.42	0.03
0.15	Ditch8	CONDUIT	30.18	4	17:07	4.03	0.03
0.25	Ditch9	CONDUIT	1.38	4	17:03	1.53	0.01
0.52	Facility73_to_Pond	CONDUIT	303.74	0	00:00	>50.00	87.74
1.00	Pipe_-(1)	CONDUIT	1.22	9	15:54	1.11	0.24
1.00	Pipe_-(10)	CONDUIT	7.34	4	10:52	1.38	1.37
1.00	Pipe_-(10)_1	CONDUIT	7.66	4	10:52	1.38	0.57
1.00	Pipe_-(117)	CONDUIT	8.57	4	12:56	3.74	0.38
1.00	Pipe_-(118)	CONDUIT	7.12	4	12:56	3.79	0.71
1.00	Pipe_-(119)	CONDUIT	1.60	4	16:47	2.94	0.10
0.85	Pipe_-(120)	CONDUIT	0.68	4	17:01	2.12	0.21
0.85	Pipe_-(122)	CONDUIT	0.49	4	17:00	1.91	0.10
0.43	Pipe_-(123)	CONDUIT	0.29	4	17:00	2.13	0.09
0.23	Pipe_-(124)	CONDUIT	0.68	4	16:59	2.74	0.28
0.71	Pipe_-(125)	CONDUIT	0.49	4	17:00	2.53	0.11
0.29	Pipe_-(126)	CONDUIT	0.29	4	17:00	2.73	0.06
0.19	Pipe_-(127)	CONDUIT	0.78	4	17:00	2.67	0.16
0.65	Pipe_-(128)	CONDUIT	0.29	4	17:00	1.72	0.09
0.27							

0.25	Pipe_-(130)	CONDUIT	0.29	4	17:00	1.95	0.05
1.00	Pipe_-(133)	CONDUIT	3.01	4	10:22	4.23	0.60
1.00	Pipe_-(134)	CONDUIT	1.00	4	10:22	1.59	0.57
1.00	Pipe_-(135)	CONDUIT	0.76	4	16:43	0.97	0.43
1.00	Pipe_-(136)	CONDUIT	0.58	4	17:00	1.24	0.08
1.00	Pipe_-(137)	CONDUIT	0.39	4	17:00	3.22	0.06
1.00	Pipe_-(138)	CONDUIT	1.07	4	10:57	2.32	0.16
1.00	Pipe_-(153)	CONDUIT	2.31	9	15:56	3.00	0.67
1.00	Pipe_-(154)	CONDUIT	2.29	9	16:02	1.87	0.36
1.00	Pipe_-(155)	CONDUIT	2.53	9	15:52	1.44	0.31
1.00	Pipe_-(156)	CONDUIT	6.46	9	15:52	2.68	0.65
1.00	Pipe_-(157)	CONDUIT	8.01	9	15:52	3.33	0.74
1.00	Pipe_-(158)	CONDUIT	7.29	9	15:52	3.03	0.72
1.00	Pipe_-(159)	CONDUIT	7.53	9	15:51	3.13	0.51
1.00	Pipe_-(160)	CONDUIT	9.29	9	15:50	2.96	0.85
1.00	Pipe_-(161)	CONDUIT	10.03	9	15:50	3.19	0.94
1.00	Pipe_-(162)	CONDUIT	12.20	11	16:39	6.84	0.18
1.00	Pipe_-(163)	CONDUIT	38.92	9	15:50	3.10	0.28
1.00	Pipe_-(164)	CONDUIT	13.32	4	12:55	3.61	0.13
1.00	Pipe_-(165)	CONDUIT	6.29	4	12:55	2.00	0.32
1.00	Pipe_-(166)	CONDUIT	1.58	4	10:29	0.89	0.27
1.00	Pipe_-(167)	CONDUIT	1.54	4	10:35	0.95	0.15
1.00	Pipe_-(168)	CONDUIT	1.60	4	10:35	2.17	0.22
1.00	Pipe_-(169)	CONDUIT	1.16	4	10:49	1.38	0.15
1.00	Pipe_-(170)	CONDUIT	1.26	4	10:49	1.34	0.27
1.00	Pipe_-(171)	CONDUIT	1.28	4	10:50	1.12	0.57
1.00	Pipe_-(172)	CONDUIT	0.91	4	10:51	1.30	0.30

1.00	Pipe_-(18)	CONDUIT	0.39	4	10:47	0.24	0.05
1.00	Pipe_-(19)	CONDUIT	1.99	4	10:53	1.29	0.39
1.00	Pipe_-(196)	CONDUIT	8.27	4	10:26	4.49	0.17
1.00	Pipe_-(197)	CONDUIT	6.22	4	12:55	1.98	0.57
1.00	Pipe_-(198)	CONDUIT	7.27	9	15:54	2.31	0.46
1.00	Pipe_-(199)	CONDUIT	4.57	4	12:55	1.90	0.31
1.00	Pipe_-(2)	CONDUIT	1.42	9	15:54	1.58	0.28
1.00	Pipe_-(20)	CONDUIT	0.89	4	10:55	1.10	0.18
1.00	Pipe_-(200)	CONDUIT	5.45	9	15:52	2.27	0.54
1.00	Pipe_-(201)	CONDUIT	5.27	9	15:52	2.19	0.51
1.00	Pipe_-(202)	CONDUIT	4.33	4	12:58	1.80	0.42
1.00	Pipe_-(203)	CONDUIT	3.34	4	13:00	1.89	0.41
1.00	Pipe_-(204)	CONDUIT	2.04	9	15:53	1.66	0.32
1.00	Pipe_-(205)	CONDUIT	1.77	9	15:53	2.26	0.51
1.00	Pipe_-(206)	CONDUIT	8.41	9	15:50	2.68	0.15
1.00	Pipe_-(207)	CONDUIT	8.46	9	15:50	2.69	0.79
1.00	Pipe_-(208)	CONDUIT	7.76	9	15:51	2.47	0.42
1.00	Pipe_-(209)	CONDUIT	6.72	9	15:50	2.14	0.39
1.00	Pipe_-(210)	CONDUIT	6.32	9	15:55	2.63	0.47
1.00	Pipe_-(211)	CONDUIT	6.18	9	16:02	2.57	0.51
1.00	Pipe_-(212)	CONDUIT	5.30	4	13:00	2.20	0.46
1.00	Pipe_-(213)	CONDUIT	3.16	9	15:52	1.32	0.28
1.00	Pipe_-(214)	CONDUIT	2.38	9	15:58	1.35	0.29
1.00	Pipe_-(215)	CONDUIT	2.31	9	15:55	1.88	0.47
1.00	Pipe_-(22)	CONDUIT	0.50	5	01:00	10.20	9.65
1.00	Pipe_-(221)	CONDUIT	16.88	4	12:55	3.71	0.17
1.00							

1.00	Pipe_-(222)	CONDUIT	10.62	4	12:55	2.16	0.19
1.00	Pipe_-(223)	CONDUIT	5.70	9	15:53	1.81	0.23
1.00	Pipe_-(224)	CONDUIT	5.70	9	15:53	1.83	0.30
1.00	Pipe_-(225)	CONDUIT	4.97	9	15:51	1.58	0.24
1.00	Pipe_-(226)	CONDUIT	5.60	9	15:52	2.33	0.38
1.00	Pipe_-(227)	CONDUIT	5.29	9	15:52	2.20	0.52
1.00	Pipe_-(228)	CONDUIT	5.06	9	15:58	2.11	0.46
1.00	Pipe_-(229)	CONDUIT	3.57	9	16:07	1.48	0.37
1.00	Pipe_-(23)	CONDUIT	0.49	5	14:46	2.52	1.68
1.00	Pipe_-(230)	CONDUIT	3.08	4	13:12	1.74	0.38
1.00	Pipe_-(231)	CONDUIT	2.54	9	15:56	2.08	0.38
1.00	Pipe_-(232)	CONDUIT	1.69	9	15:53	2.15	0.51
1.00	Pipe_-(234)	CONDUIT	2.79	4	17:00	1.58	0.36
0.69	Pipe_-(235)	CONDUIT	1.86	4	17:00	1.51	0.16
0.35	Pipe_-(236)	CONDUIT	0.93	4	17:00	1.85	0.16
1.00	Pipe_-(237)	CONDUIT	13.68	9	23:53	6.08	0.16
1.00	Pipe_-(238)	CONDUIT	6.10	4	12:55	1.94	0.54
1.00	Pipe_-(239)	CONDUIT	5.75	9	15:54	1.83	0.36
1.00	Pipe_-(24)	CONDUIT	0.49	6	18:13	2.51	1.69
1.00	Pipe_-(240)	CONDUIT	4.80	9	15:53	1.99	0.32
1.00	Pipe_-(241)	CONDUIT	4.60	9	15:58	1.91	0.45
1.00	Pipe_-(242)	CONDUIT	4.97	4	12:57	2.07	0.46
1.00	Pipe_-(243)	CONDUIT	4.23	9	15:58	1.76	0.43
1.00	Pipe_-(244)	CONDUIT	3.04	4	13:01	1.72	0.38
1.00	Pipe_-(245)	CONDUIT	1.74	4	13:07	1.42	0.27
1.00	Pipe_-(246)	CONDUIT	1.49	4	12:58	1.91	0.43
1.00	Pipe_-(247)	CONDUIT	13.90	4	03:13	6.05	0.13

1.00	Pipe_-(248)	CONDUIT	7.72	9	15:50	2.46	0.72
1.00	Pipe_-(249)	CONDUIT	7.27	9	15:51	2.32	0.40
1.00	Pipe_-(25)	CONDUIT	0.49	6	17:43	2.51	1.70
1.00	Pipe_-(250)	CONDUIT	6.35	9	15:50	2.02	0.37
1.00	Pipe_-(251)	CONDUIT	6.38	4	12:57	2.65	0.47
1.00	Pipe_-(252)	CONDUIT	5.98	9	15:52	2.48	0.49
1.00	Pipe_-(253)	CONDUIT	5.25	4	12:57	2.18	0.45
1.00	Pipe_-(254)	CONDUIT	2.80	9	15:52	1.70	0.25
1.00	Pipe_-(255)	CONDUIT	3.19	4	13:00	1.80	0.39
1.00	Pipe_-(256)	CONDUIT	1.86	9	15:52	1.80	0.35
1.00	Pipe_-(257)	CONDUIT	1.52	9	15:52	1.93	0.55
1.00	Pipe_-(258)	CONDUIT	1.49	9	15:52	1.90	6.07
1.00	Pipe_-(259)	CONDUIT	0.62	9	15:52	1.48	0.23
1.00	Pipe_-(26)	CONDUIT	0.49	6	10:12	2.52	1.67
1.00	Pipe_-(260)	CONDUIT	0.25	4	12:58	1.63	0.48
1.00	Pipe_-(261)	CONDUIT	0.95	9	15:54	1.21	0.36
1.00	Pipe_-(264)	CONDUIT	0.29	4	17:00	1.64	0.11
0.20	Pipe_-(265)	CONDUIT	0.49	4	17:00	1.77	0.10
0.34	Pipe_-(266)	CONDUIT	0.68	4	17:00	2.55	0.10
0.56	Pipe_-(267)	CONDUIT	1.14	4	16:27	2.51	0.07
0.95	Pipe_-(268)	CONDUIT	6.67	4	12:56	4.03	0.27
1.00	Pipe_-(27)	CONDUIT	0.49	6	09:50	2.52	1.72
1.00	Pipe_-(277)	CONDUIT	0.97	4	17:00	2.62	0.08
0.60	Pipe_-(278)	CONDUIT	0.29	4	17:00	0.38	0.08
0.94	Pipe_-(28)	CONDUIT	0.50	6	09:36	2.52	1.69
1.00	Pipe_-(285)	CONDUIT	0.49	4	17:00	0.63	0.15
0.95							

Pipe_-(288)	CONDUIT	0.29	4	17:00	1.17	0.02
0.54						
Pipe_-(29)	CONDUIT	0.50	6	09:17	2.53	1.71
1.00						
Pipe_-(295)	CONDUIT	0.49	4	17:00	1.82	0.05
0.57						
Pipe_-(296)	CONDUIT	0.29	4	17:00	0.39	0.09
0.91						
Pipe_-(3)	CONDUIT	1.46	4	17:00	1.98	0.29
1.00						
Pipe_-(30)	CONDUIT	0.50	6	08:47	2.53	1.72
1.00						
Pipe_-(307)	CONDUIT	1.55	4	17:01	1.10	0.32
0.75						
Pipe_-(308)	CONDUIT	4.96	4	17:00	3.15	1.07
0.83						
Pipe_-(309)	CONDUIT	6.66	4	17:00	4.78	1.47
0.74						
Pipe_-(31)	CONDUIT	0.50	6	08:27	2.54	1.71
1.00						
Pipe_-(310)	CONDUIT	10.54	4	17:00	7.28	0.59
0.58						
Pipe_-(311)	CONDUIT	13.95	4	17:00	5.19	0.41
0.54						
Pipe_-(312)	CONDUIT	15.09	4	17:01	4.33	0.68
0.68						
Pipe_-(313)	CONDUIT	1.71	4	17:00	1.39	1.17
1.00						
Pipe_-(314)	CONDUIT	1.55	4	17:00	2.57	0.39
0.72						
Pipe_-(319)	CONDUIT	1.55	4	17:00	7.91	1.11
1.00						
Pipe_-(32)	CONDUIT	0.50	6	08:15	2.55	1.72
1.00						
Pipe_-(320)	CONDUIT	1.55	4	17:00	7.91	0.97
1.00						
Pipe_-(321)	CONDUIT	1.86	4	17:00	2.91	0.15
0.52						
Pipe_-(322)	CONDUIT	1.71	4	17:00	2.04	0.34
0.64						
Pipe_-(323)	CONDUIT	1.55	4	17:00	2.61	1.14
0.71						
Pipe_-(327)	CONDUIT	1.86	4	17:00	1.61	0.34
0.62						
Pipe_-(328)	CONDUIT	1.71	4	17:00	3.10	0.30
0.47						
Pipe_-(329)	CONDUIT	1.55	4	17:00	3.84	0.34
0.51						
Pipe_-(33)	CONDUIT	0.50	6	07:50	2.56	1.73
1.00						
Pipe_-(331)	CONDUIT	1.55	4	17:00	5.97	0.27
0.38						
Pipe_-(333)	CONDUIT	1.71	4	17:00	2.17	1.23

1.00							
Pipe_-(334)	CONDUIT	1.55	4	17:00	4.44	0.19	
0.58							
Pipe_-(337)	CONDUIT	3.68	4	16:54	0.70	0.17	
0.45							
Pipe_-(338)	CONDUIT	3.33	4	17:20	0.69	0.14	
0.43							
Pipe_-(34)	CONDUIT	0.53	6	07:13	3.10	1.80	
1.00							
Pipe_-(340)	CONDUIT	0.62	4	17:00	0.48	0.01	
0.44							
Pipe_-(35)	CONDUIT	2.89	4	16:56	1.90	0.06	
0.60							
Pipe_-(358)	CONDUIT	1.69	4	13:04	3.45	0.18	
1.00							
Pipe_-(359)	CONDUIT	0.19	4	17:01	1.61	0.03	
0.68							
Pipe_-(36)	CONDUIT	5.23	4	16:55	2.62	0.11	
0.68							
Pipe_-(360)	CONDUIT	1.38	4	13:05	4.25	0.21	
1.00							
Pipe_-(361)	CONDUIT	0.82	4	12:55	3.03	0.63	
1.00							
Pipe_-(362)	CONDUIT	1.11	4	12:57	4.36	0.76	
1.00							
Pipe_-(363)	CONDUIT	1.99	4	12:57	6.47	1.57	
1.00							
Pipe_-(364)	CONDUIT	2.10	4	12:57	5.37	0.62	
1.00							
Pipe_-(365)	CONDUIT	3.93	4	12:56	5.05	0.33	
1.00							
Pipe_-(366)	CONDUIT	34.89	4	12:55	3.63	0.39	
1.00							
Pipe_-(367)	CONDUIT	34.55	4	12:55	3.59	0.65	
1.00							
Pipe_-(369)	CONDUIT	1.33	4	12:54	4.93	0.21	
1.00							
Pipe_-(37)	CONDUIT	7.26	4	16:56	3.65	0.15	
0.74							
Pipe_-(370)	CONDUIT	34.92	4	12:55	4.94	5.57	
1.00							
Pipe_-(374)	CONDUIT	0.00	0	00:00	0.00	0.00	
0.00							
Pipe_-(375)	CONDUIT	0.00	0	00:00	0.00	0.00	
0.16							
Pipe_-(376)	CONDUIT	0.19	4	17:00	1.62	0.04	
0.15							
Pipe_-(377)	CONDUIT	0.39	4	17:00	0.34	0.04	
1.00							
Pipe_-(378)	CONDUIT	1.89	4	12:59	2.82	0.11	
1.00							
Pipe_-(379)	CONDUIT	2.01	4	12:59	1.13	0.12	
1.00							

Pipe_-(38)	CONDUIT	8.74	4	12:59	5.48	0.18
0.78						
Pipe_-(380)	CONDUIT	0.39	4	17:00	3.02	0.07
0.66						
Pipe_-(381)	CONDUIT	0.83	4	15:59	4.80	0.02
1.00						
Pipe_-(382)	CONDUIT	0.39	4	17:00	1.12	0.19
1.00						
Pipe_-(383)	CONDUIT	0.19	4	17:00	2.32	0.10
1.00						
Pipe_-(384)	CONDUIT	0.94	4	12:59	3.83	0.19
1.00						
Pipe_-(385)	CONDUIT	0.58	4	17:00	3.87	0.34
1.00						
Pipe_-(386)	CONDUIT	0.39	4	17:00	4.50	0.19
0.62						
Pipe_-(387)	CONDUIT	0.19	4	17:00	2.88	0.09
0.25						
Pipe_-(389)	CONDUIT	0.51	4	16:12	3.83	0.08
1.00						
Pipe_-(39)	CONDUIT	15.70	4	15:43	3.57	0.10
0.90						
Pipe_-(390)	CONDUIT	2.04	4	17:00	2.55	0.33
1.00						
Pipe_-(4)	CONDUIT	1.98	4	10:59	1.98	0.18
1.00						
Pipe_-(40)	CONDUIT	28.54	4	15:30	3.30	0.83
1.00						
Pipe_-(404)	CONDUIT	0.39	4	17:00	0.50	0.05
1.00						
Pipe_-(405)	CONDUIT	0.19	4	17:00	1.43	0.08
1.00						
Pipe_-(408)	CONDUIT	24.48	4	18:22	6.88	0.40
0.72						
Pipe_-(409)	CONDUIT	13.98	4	18:51	7.76	0.33
1.00						
Pipe_-(41)	CONDUIT	14.87	4	17:04	3.79	0.26
1.00						
Pipe_-(410)	CONDUIT	13.90	4	18:51	5.49	0.33
1.00						
Pipe_-(411)	CONDUIT	13.79	4	18:50	6.32	0.33
0.87						
Pipe_-(412)	CONDUIT	13.60	4	18:52	7.06	0.38
0.75						
Pipe_-(42)	CONDUIT	15.35	4	17:04	3.78	0.32
1.00						
Pipe_-(423)	CONDUIT	18.96	5	03:27	10.73	1.69
1.00						
Pipe_-(424)	CONDUIT	18.96	5	03:29	10.73	1.71
1.00						
Pipe_-(425)	CONDUIT	18.96	5	03:33	10.73	1.69
1.00						
Pipe_-(426)	CONDUIT	22.68	0	00:00	13.01	2.02



1.00	Pipe_-(427)	CONDUIT	47.92	0	00:00	27.12	4.35
1.00	Pipe_-(429)	CONDUIT	10.54	9	15:57	5.97	3.75
1.00	Pipe_-(43)	CONDUIT	15.82	4	17:04	4.26	0.32
1.00	Pipe_-(430)	CONDUIT	8.87	9	15:51	5.02	2.97
1.00	Pipe_-(431)	CONDUIT	7.61	9	15:51	4.31	1.59
1.00	Pipe_-(432)	CONDUIT	10.11	9	15:51	4.64	1.55
1.00	Pipe_-(433)	CONDUIT	10.31	9	15:51	4.73	2.15
1.00	Pipe_-(434)	CONDUIT	19.54	4	13:10	8.96	1.42
1.00	Pipe_-(435)	CONDUIT	18.96	5	02:55	8.69	1.40
1.00	Pipe_-(436)	CONDUIT	18.96	5	02:57	8.69	1.25
1.00	Pipe_-(437)	CONDUIT	18.96	5	02:59	8.69	1.41
1.00	Pipe_-(438)	CONDUIT	18.96	5	03:19	8.69	1.38
1.00	Pipe_-(439)	CONDUIT	18.96	5	03:24	24.88	0.06
1.00	Pipe_-(44)	CONDUIT	15.97	4	17:04	5.15	0.32
1.00	Pipe_-(443)	CONDUIT	18.95	4	12:56	6.36	0.41
1.00	Pipe_-(444)	CONDUIT	20.06	4	12:56	6.42	1.22
1.00	Pipe_-(445)	CONDUIT	20.07	4	12:56	6.69	1.18
1.00	Pipe_-(446)	CONDUIT	11.78	4	12:56	4.94	0.67
1.00	Pipe_-(447)	CONDUIT	0.23	11	13:53	0.79	0.04
1.00	Pipe_-(448)	CONDUIT	0.39	4	17:00	0.62	0.07
1.00	Pipe_-(449)	CONDUIT	0.78	4	17:00	0.64	0.13
1.00	Pipe_-(45)	CONDUIT	16.13	4	17:05	2.56	0.27
1.00	Pipe_-(450)	CONDUIT	35.36	4	12:55	5.00	2.33
1.00	Pipe_-(452)	CONDUIT	1.83	2	15:22	1.04	2.24
1.00	Pipe_-(453)	CONDUIT	2.19	2	15:23	1.24	0.68
1.00	Pipe_-(454)	CONDUIT	1.36	2	15:23	0.77	0.46
1.00							

Pipe_-(455)	CONDUIT	1.37	2	15:23	0.78	0.15
1.00						
Pipe_-(456)	CONDUIT	1.25	2	15:23	0.78	0.24
1.00						
Pipe_-(460)	CONDUIT	0.19	4	17:00	0.99	0.38
1.00						
Pipe_-(461)	CONDUIT	22.52	4	17:13	3.19	14.55
1.00						
Pipe_-(462)	CONDUIT	27.92	4	17:09	3.95	0.81
1.00						
Pipe_-(467)	CONDUIT	18.80	4	17:00	3.61	0.46
0.45						
Pipe_-(47)	CONDUIT	23.14	4	17:02	2.53	0.31
1.00						
Pipe_-(474)	CONDUIT	1.11	4	17:00	2.45	0.18
0.68						
Pipe_-(49)	CONDUIT	23.62	4	17:02	1.86	0.44
1.00						
Pipe_-(5)	CONDUIT	2.66	11	06:01	2.20	0.24
1.00						
Pipe_-(50)	CONDUIT	24.10	4	17:02	1.69	0.54
1.00						
Pipe_-(51)	CONDUIT	26.93	4	12:58	1.89	3.36
1.00						
Pipe_-(52)	CONDUIT	28.00	4	17:02	2.57	1.39
1.00						
Pipe_-(53)	CONDUIT	28.00	4	17:02	3.31	0.52
1.00						
Pipe_-(54)	CONDUIT	2.24	4	16:56	2.89	0.44
1.00						
Pipe_-(55)	CONDUIT	1.92	4	16:56	2.40	0.38
1.00						
Pipe_-(56)	CONDUIT	1.61	4	16:58	2.26	0.32
0.96						
Pipe_-(57)	CONDUIT	1.31	4	16:59	2.16	0.26
0.88						
Pipe_-(58)	CONDUIT	1.05	4	16:59	1.91	0.20
0.80						
Pipe_-(59)	CONDUIT	0.79	4	16:58	1.63	0.16
0.74						
Pipe_-(6)	CONDUIT	2.67	11	06:01	2.12	0.24
1.00						
Pipe_-(60)	CONDUIT	0.49	4	17:00	1.39	0.10
0.62						
Pipe_-(65)	CONDUIT	2.99	4	16:54	2.44	0.59
1.00						
Pipe_-(66)	CONDUIT	2.67	4	16:54	3.41	0.16
0.85						
Pipe_-(67)	CONDUIT	2.33	4	16:56	4.72	0.46
0.69						
Pipe_-(68)	CONDUIT	1.75	4	16:58	2.76	0.34
0.58						
Pipe_-(69)	CONDUIT	1.46	4	17:01	2.32	0.29

0.42							
Pipe_-(7)	CONDUIT	2.83	4	17:00	1.48	0.16	
1.00							
Pipe_-(70)	CONDUIT	1.17	4	17:00	2.14	0.23	
0.35							
Pipe_-(71)	CONDUIT	0.88	4	17:00	1.93	0.17	
0.30							
Pipe_-(72)	CONDUIT	0.58	4	17:00	1.65	0.11	
0.25							
Pipe_-(73)	CONDUIT	0.29	4	17:00	1.29	0.09	
0.24							
Pipe_-(74)	CONDUIT	2.17	4	12:59	2.28	0.44	
1.00							
Pipe_-(75)	CONDUIT	1.54	4	17:09	2.21	0.30	
1.00							
Pipe_-(76)	CONDUIT	1.26	4	17:11	2.03	0.25	
1.00							
Pipe_-(77)	CONDUIT	0.99	4	17:10	1.97	0.20	
1.00							
Pipe_-(78)	CONDUIT	0.72	4	17:11	1.78	0.14	
0.95							
Pipe_-(79)	CONDUIT	0.45	4	16:30	1.48	0.09	
0.81							
Pipe_-(8)	CONDUIT	4.53	4	10:53	1.23	0.26	
1.00							
Pipe_-(80)	CONDUIT	0.19	4	16:42	1.02	0.06	
0.79							
Pipe_-(81)	CONDUIT	9.10	4	15:47	4.07	0.21	
1.00							
Pipe_-(82)	CONDUIT	8.53	4	15:42	3.19	0.58	
1.00							
Pipe_-(83)	CONDUIT	7.65	4	12:56	3.03	0.50	
1.00							
Pipe_-(84)	CONDUIT	6.97	4	12:57	2.93	0.50	
1.00							
Pipe_-(85)	CONDUIT	6.29	4	15:43	3.20	1.00	
1.00							
Pipe_-(87)	CONDUIT	5.94	4	15:51	4.13	0.23	
1.00							
Pipe_-(88)	CONDUIT	3.43	4	17:01	4.98	0.29	
1.00							
Pipe_-(89)	CONDUIT	2.99	4	16:59	3.59	0.27	
0.97							
Pipe_-(9)	CONDUIT	5.79	4	10:52	1.41	0.88	
1.00							
Pipe_-(90)	CONDUIT	2.52	4	16:59	2.96	0.45	
0.94							
Pipe_-(91)	CONDUIT	2.04	4	16:59	2.48	0.66	
1.00							
Pipe_-(92)	CONDUIT	1.57	4	16:59	2.43	0.25	
0.88							
Pipe_-(93)	CONDUIT	1.10	4	17:00	2.20	0.18	
0.74							

0.58	Pipe_-(94)	CONDUIT	0.65	4	17:00	1.80	0.10
0.42	Pipe_-(95)	CONDUIT	0.39	4	16:59	1.57	0.06
0.30	Pipe_-(96)	CONDUIT	0.19	4	17:00	1.12	0.03
0.46	Pipe_-(97)	CONDUIT	0.29	4	17:00	1.28	0.05
1.00	Pipe_PS_A	CONDUIT	1.31	2	15:23	1.31	0.01
1.00	Pipe_PS_B	CONDUIT	7.98	4	15:50	1.79	2.03
0.67	Pipe468	CONDUIT	23.27	4	16:51	10.94	3.73
1.00	Pipe483	CONDUIT	1.55	4	17:00	1.98	0.40
0.90	PSC_Overflow	CONDUIT	5.61	5	19:02	5.84	0.69
1.00	PSC_to_Outfall	CONDUIT	13.44	4	18:37	6.99	0.52
1.00	Roadside_Culvert	CONDUIT	1.38	4	17:03	2.35	0.08
1.00	SU1-2_Force1	CONDUIT	5.58	4	16:24	10.00	96.68
1.00	SU1-2_Force2_1	CONDUIT	5.60	4	16:24	7.23	1.57
1.00	SU1-2_Force2_2	CONDUIT	5.61	4	16:24	7.65	1.57
1.00	SU1-2_Force3	CONDUIT	5.62	4	16:24	7.48	0.82
0.06	SU1-2_SouthDitch	CONDUIT	1.54	4	17:00	1.50	0.00
1.00	SU67-FM1	CONDUIT	5.57	4	16:24	4.56	1.46
1.00	SU67-FM2	CONDUIT	5.76	4	20:36	4.71	1.40
0.76	SU67-FM3	CONDUIT	5.57	4	15:38	5.62	1.69
0.70	SU67-FM4	CONDUIT	5.57	4	15:46	6.25	0.50
0.85	SU67-FM5	CONDUIT	5.57	4	16:41	5.03	0.95
0.72	SU67-FM6	CONDUIT	5.57	4	16:42	5.99	0.95
0.81	SU67-FM7	CONDUIT	5.57	4	16:42	6.11	0.66
0.58	SU6-E	CONDUIT	3.59	4	15:57	1.27	0.04
1.00	SU6-SU7_1	CONDUIT	5.32	4	20:19	1.95	0.31
1.00	SU6-SU7_2	CONDUIT	6.62	0	00:00	3.14	0.34
	SU6-W	CONDUIT	3.64	4	15:57	1.28	0.04



Culvert12	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.11								
Culvert12a	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Culvert12c	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Ditch_77	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Ditch11	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.01 0.00								
Ditch12	1.00	0.01	0.00	0.00	0.61	0.00	0.00	0.39
0.00 0.00								
Ditch12a	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.14 0.00								
Ditch13	1.00	0.00	0.00	0.00	0.99	0.00	0.00	0.00
0.00 0.00								
Ditch14	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00
0.96 0.00								
Ditch15	1.00	0.03	0.00	0.00	0.00	0.00	0.00	0.97
0.00 0.00								
Ditch16	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99
0.00 0.00								
Ditch17	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.98 0.00								
Ditch18	1.00	0.00	0.00	0.00	0.73	0.00	0.00	0.27
0.04 0.00								
Ditch2	1.00	0.00	0.67	0.00	0.33	0.00	0.00	0.00
0.52 0.00								
Ditch3	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.79 0.00								
Ditch4_1	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.82 0.00								
Ditch4_2	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.10 0.00								
Ditch4_489	1.00	0.02	0.00	0.00	0.97	0.00	0.00	0.01
0.00 0.00								
Ditch5	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.98 0.00								
Ditch6	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Ditch7	1.00	0.02	0.00	0.00	0.00	0.00	0.00	0.98
0.00 0.00								
Ditch8	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Ditch9	1.00	0.00	0.00	0.00	0.30	0.00	0.00	0.70
0.29 0.00								
Facility73_to_Pond	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(1)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.50 0.00								
Pipe_-(10)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(10)_-(1)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00



Pipe_-(161)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.01 0.00								
Pipe_-(162)	1.00	0.03	0.00	0.00	0.95	0.00	0.00	0.02
0.01 0.00								
Pipe_-(163)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00
0.00 0.00								
Pipe_-(164)	1.00	0.02	0.01	0.00	0.97	0.00	0.00	0.00
0.02 0.00								
Pipe_-(165)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00
0.00 0.00								
Pipe_-(166)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.02 0.00								
Pipe_-(167)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.06 0.00								
Pipe_-(168)	1.00	0.00	0.01	0.00	0.98	0.00	0.00	0.00
0.03 0.00								
Pipe_-(169)	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00
0.10 0.00								
Pipe_-(170)	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00
0.14 0.00								
Pipe_-(171)	1.00	0.01	0.02	0.00	0.97	0.00	0.00	0.00
0.01 0.00								
Pipe_-(172)	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00
0.18 0.00								
Pipe_-(18)	1.00	0.00	0.07	0.00	0.93	0.00	0.00	0.00
0.05 0.00								
Pipe_-(19)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.17 0.00								
Pipe_-(196)	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00
0.01 0.00								
Pipe_-(197)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.01 0.00								
Pipe_-(198)	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00
0.04 0.00								
Pipe_-(199)	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00
0.06 0.00								
Pipe_-(2)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.48 0.00								
Pipe_-(20)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.15 0.00								
Pipe_-(200)	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00
0.07 0.00								
Pipe_-(201)	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00
0.08 0.00								
Pipe_-(202)	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00
0.09 0.00								
Pipe_-(203)	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00
0.11 0.00								
Pipe_-(204)	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00
0.14 0.00								
Pipe_-(205)	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00
0.20 0.00								
Pipe_-(206)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00





Pipe_-(237)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00
0.03 0.00								
Pipe_-(238)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.01 0.00								
Pipe_-(239)	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00
0.04 0.00								
Pipe_-(24)	1.00	0.09	0.00	0.00	0.91	0.00	0.00	0.00
0.00 0.00								
Pipe_-(240)	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00
0.06 0.00								
Pipe_-(241)	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00
0.07 0.00								
Pipe_-(242)	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00
0.08 0.00								
Pipe_-(243)	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00
0.09 0.00								
Pipe_-(244)	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00
0.11 0.00								
Pipe_-(245)	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00
0.14 0.00								
Pipe_-(246)	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00
0.20 0.00								
Pipe_-(247)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00
0.03 0.00								
Pipe_-(248)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.01 0.00								
Pipe_-(249)	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00
0.04 0.00								
Pipe_-(25)	1.00	0.09	0.00	0.00	0.91	0.00	0.00	0.00
0.01 0.00								
Pipe_-(250)	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00
0.05 0.00								
Pipe_-(251)	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00
0.07 0.00								
Pipe_-(252)	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00
0.08 0.00								
Pipe_-(253)	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00
0.10 0.00								
Pipe_-(254)	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00
0.12 0.00								
Pipe_-(255)	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00
0.15 0.00								
Pipe_-(256)	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00
0.19 0.00								
Pipe_-(257)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.38 0.00								
Pipe_-(258)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(259)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.47 0.00								
Pipe_-(26)	1.00	0.09	0.00	0.00	0.91	0.00	0.00	0.00
0.23 0.00								
Pipe_-(260)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00



Pipe_-(319)	1.00	0.00	0.01	0.00	0.94	0.05	0.00	0.00
0.99 0.00								
Pipe_-(32)	1.00	0.09	0.00	0.00	0.91	0.00	0.00	0.00
0.01 0.00								
Pipe_-(320)	1.00	0.00	0.01	0.00	0.94	0.05	0.00	0.00
0.99 0.00								
Pipe_-(321)	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00
0.99 0.00								
Pipe_-(322)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.01 0.00								
Pipe_-(323)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.87 0.00								
Pipe_-(327)	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00
0.71 0.00								
Pipe_-(328)	1.00	0.01	0.00	0.00	0.01	0.03	0.00	0.94
0.04 0.00								
Pipe_-(329)	1.00	0.00	0.01	0.00	0.98	0.01	0.00	0.00
0.99 0.00								
Pipe_-(33)	1.00	0.09	0.00	0.00	0.91	0.00	0.00	0.00
0.21 0.00								
Pipe_-(331)	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99
0.00 0.00								
Pipe_-(333)	1.00	0.01	0.00	0.00	0.82	0.00	0.00	0.18
0.03 0.00								
Pipe_-(334)	1.00	0.00	0.00	0.00	0.01	0.12	0.00	0.87
0.11 0.00								
Pipe_-(337)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.01 0.00								
Pipe_-(338)	1.00	0.00	0.02	0.00	0.97	0.00	0.01	0.00
0.60 0.00								
Pipe_-(34)	1.00	0.00	0.09	0.00	0.91	0.00	0.00	0.00
0.02 0.00								
Pipe_-(340)	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00
0.98 0.00								
Pipe_-(35)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.87 0.00								
Pipe_-(358)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.83 0.00								
Pipe_-(359)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.12 0.00								
Pipe_-(36)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.86 0.00								
Pipe_-(360)	1.00	0.00	0.00	0.00	0.46	0.54	0.00	0.00
0.03 0.00								
Pipe_-(361)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.86 0.00								
Pipe_-(362)	1.00	0.00	0.00	0.00	0.77	0.23	0.00	0.00
0.84 0.00								
Pipe_-(363)	1.00	0.00	0.00	0.00	0.73	0.27	0.00	0.00
0.83 0.00								
Pipe_-(364)	1.00	0.00	0.00	0.00	0.38	0.62	0.00	0.00
0.18 0.00								
Pipe_-(365)	1.00	0.00	0.00	0.00	0.95	0.00	0.00	0.04



Pipe_-(405)	1.00	0.02	0.00	0.00	0.83	0.00	0.00	0.15
0.20 0.00								
Pipe_-(408)	1.00	0.02	0.00	0.00	0.20	0.78	0.00	0.00
0.00 0.00								
Pipe_-(409)	1.00	0.02	0.42	0.00	0.51	0.04	0.00	0.00
0.54 0.00								
Pipe_-(41)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.19 0.00								
Pipe_-(410)	1.00	0.26	0.02	0.00	0.61	0.10	0.00	0.00
0.30 0.00								
Pipe_-(411)	1.00	0.25	0.00	0.00	0.30	0.45	0.00	0.00
0.33 0.00								
Pipe_-(412)	1.00	0.25	0.00	0.00	0.28	0.47	0.00	0.00
0.67 0.00								
Pipe_-(42)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.03 0.00								
Pipe_-(423)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(424)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(425)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(426)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(427)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(429)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.01 0.00								
Pipe_-(43)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.02 0.00								
Pipe_-(430)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(431)	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00
0.01 0.00								
Pipe_-(432)	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00
0.03 0.00								
Pipe_-(433)	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00
0.02 0.00								
Pipe_-(434)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(435)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(436)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(437)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(438)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(439)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(44)	1.00	0.00	0.00	0.00	0.88	0.12	0.00	0.00
0.00 0.00								
Pipe_-(443)	1.00	0.00	0.00	0.00	0.91	0.09	0.00	0.00



Pipe_-(55)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.80 0.00								
Pipe_-(56)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.90 0.00								
Pipe_-(57)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.87 0.00								
Pipe_-(58)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.87 0.00								
Pipe_-(59)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.89 0.00								
Pipe_-(6)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.15 0.00								
Pipe_-(60)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.94 0.00								
Pipe_-(65)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.27 0.00								
Pipe_-(66)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.92 0.00								
Pipe_-(67)	1.00	0.00	0.00	0.00	0.70	0.30	0.00	0.00
0.00 0.00								
Pipe_-(68)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.77 0.00								
Pipe_-(69)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.96 0.00								
Pipe_-(7)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.14 0.00								
Pipe_-(70)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.99 0.00								
Pipe_-(71)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
1.00 0.00								
Pipe_-(72)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
1.00 0.00								
Pipe_-(73)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
1.00 0.00								
Pipe_-(74)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.60 0.00								
Pipe_-(75)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.87 0.00								
Pipe_-(76)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.87 0.00								
Pipe_-(77)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.88 0.00								
Pipe_-(78)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.90 0.00								
Pipe_-(79)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.92 0.00								
Pipe_-(8)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.11 0.00								
Pipe_-(80)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.93 0.00								
Pipe_-(81)	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00
0.82 0.00								
Pipe_-(82)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00





SU1-2_SouthDitch	1.00	0.04	0.00	0.00	0.01	0.00	0.00	0.95
0.01 0.00								
SU67-FM1	1.00	0.41	0.02	0.00	0.55	0.02	0.00	0.00
0.81 0.00								
SU67-FM2	1.00	0.03	0.38	0.00	0.58	0.01	0.00	0.00
0.82 0.00								
SU67-FM3	1.00	0.03	0.00	0.00	0.66	0.32	0.00	0.00
0.00 0.00								
SU67-FM4	1.00	0.03	0.00	0.00	0.48	0.49	0.00	0.00
0.96 0.00								
SU67-FM5	1.00	0.03	0.00	0.00	0.65	0.32	0.00	0.00
0.49 0.00								
SU67-FM6	1.00	0.20	0.05	0.00	0.35	0.40	0.00	0.00
0.48 0.00								
SU67-FM7	1.00	0.02	0.30	0.00	0.57	0.11	0.00	0.00
0.94 0.00								
SU6-E	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.98
0.01 0.00								
SU6-SU7_1	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
SU6-SU7_2	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
SU6-W	1.00	0.00	0.00	0.00	0.02	0.00	0.00	0.98
0.01 0.00								
SU7-Culvert	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
SU7-W	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.99
0.00 0.00								
UDitch_Single	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.67 0.00								
UDitch_Transition	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00
0.47 0.00								

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 Conduit Surcharge Summary  
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Conduit	Hours Full			Hours	Hours
	Both Ends	Upstream	Dnstream	Above Full Normal Flow	Capacity Limited
172_to_Inlet	319.93	319.93	328.66	0.01	0.01
278_to_PS_B	32.64	32.64	202.28	0.01	0.01
381_to_PS77	38.82	38.88	39.03	0.03	14.69
458_to_Inlet	55.17	55.17	271.80	0.01	0.01
469_to_Inlet	285.05	285.05	321.12	0.01	0.01
C1_2	275.74	275.74	327.73	0.01	0.01
Culvert11	129.78	129.78	149.98	0.01	0.01
Culvert12	185.00	185.00	185.07	3.59	4.29
Culvert12a	185.41	185.41	185.49	0.01	0.89
Culvert12c	186.28	186.28	186.28	0.01	24.60

Ditch_77	317.59	317.59	317.66	0.45	15.93
Ditch11	102.54	102.54	102.98	0.01	0.18
Ditch12	103.60	103.60	105.10	0.01	0.01
Ditch12a	103.06	103.06	103.48	0.01	0.34
Ditch18	184.64	184.64	191.71	0.01	0.01
Ditch9	0.01	0.01	24.70	0.01	0.01
Facility73_to_Pond	335.00	335.00	335.00	116.76	116.51
Pipe_-_ (1)	47.40	47.40	49.57	0.01	0.01
Pipe_-_ (10)	137.80	137.81	141.81	0.07	4.78
Pipe_-_ (10)_ (1)	141.81	141.81	145.77	0.01	9.96
Pipe_-_ (117)	43.47	43.47	279.21	0.01	0.01
Pipe_-_ (118)	39.99	39.99	43.47	0.01	0.01
Pipe_-_ (119)	0.01	0.01	39.99	0.01	0.01
Pipe_-_ (124)	0.01	0.01	0.98	0.01	0.01
Pipe_-_ (133)	291.22	291.23	293.71	0.01	0.01
Pipe_-_ (134)	289.64	289.64	291.23	0.01	0.05
Pipe_-_ (135)	288.33	288.33	289.64	0.01	0.21
Pipe_-_ (136)	266.98	266.98	288.33	0.01	0.01
Pipe_-_ (137)	173.30	173.30	266.98	0.01	0.01
Pipe_-_ (138)	135.24	135.24	173.30	0.01	0.01
Pipe_-_ (153)	161.85	161.85	271.02	0.01	0.04
Pipe_-_ (154)	203.33	203.33	278.44	0.01	0.03
Pipe_-_ (155)	267.20	267.20	284.56	0.01	0.03
Pipe_-_ (156)	277.11	277.11	285.90	0.01	0.04
Pipe_-_ (157)	283.27	283.27	291.32	0.01	0.02
Pipe_-_ (158)	288.99	288.99	298.73	0.01	0.04
Pipe_-_ (159)	294.87	294.87	304.99	0.01	0.01
Pipe_-_ (160)	302.89	302.89	305.96	0.01	0.06
Pipe_-_ (161)	307.51	307.51	308.89	0.01	0.13
Pipe_-_ (162)	300.30	300.30	309.18	0.01	0.01
Pipe_-_ (163)	316.39	316.39	319.93	0.01	0.01
Pipe_-_ (164)	291.79	291.79	319.55	0.01	0.01
Pipe_-_ (165)	309.30	309.30	315.70	0.01	0.01
Pipe_-_ (166)	313.06	313.06	315.41	0.01	0.01
Pipe_-_ (167)	304.67	304.67	313.06	0.01	0.01
Pipe_-_ (168)	293.50	293.50	304.67	0.01	0.01
Pipe_-_ (169)	276.91	276.91	294.91	0.01	0.01
Pipe_-_ (170)	226.74	226.74	283.57	0.01	0.01
Pipe_-_ (171)	207.81	207.81	226.75	0.01	0.01
Pipe_-_ (172)	183.30	183.30	324.56	0.01	0.01
Pipe_-_ (18)	210.28	210.28	266.20	0.01	0.01
Pipe_-_ (19)	181.80	181.80	225.44	0.01	0.01
Pipe_-_ (196)	306.90	306.90	311.22	0.01	0.01
Pipe_-_ (197)	307.51	307.51	308.84	0.01	0.02
Pipe_-_ (198)	300.95	300.95	307.51	0.01	0.01
Pipe_-_ (199)	294.87	294.87	305.00	0.01	0.01
Pipe_-_ (2)	49.57	49.57	57.34	0.01	0.01
Pipe_-_ (20)	147.43	147.43	181.80	0.01	0.01
Pipe_-_ (200)	288.98	288.98	298.75	0.01	0.01
Pipe_-_ (201)	284.10	284.10	291.30	0.01	0.01
Pipe_-_ (202)	277.08	277.08	286.72	0.01	0.02
Pipe_-_ (203)	267.23	267.23	284.57	0.01	0.02
Pipe_-_ (204)	203.33	203.33	278.39	0.01	0.02

Pipe_-(205)	162.13	162.13	271.01	0.01	0.03
Pipe_-(206)	309.86	309.86	315.70	0.01	0.01
Pipe_-(207)	311.11	311.11	312.49	0.01	0.04
Pipe_-(208)	302.80	302.80	311.11	0.01	0.01
Pipe_-(209)	298.57	298.57	304.94	0.01	0.01
Pipe_-(210)	286.24	286.24	302.89	0.01	0.01
Pipe_-(211)	279.56	279.56	290.27	0.01	0.01
Pipe_-(212)	269.54	269.54	282.35	0.01	0.01
Pipe_-(213)	202.74	202.74	272.72	0.01	0.01
Pipe_-(214)	190.69	190.69	266.59	0.01	0.02
Pipe_-(215)	161.27	161.27	215.83	0.01	0.03
Pipe_-(22)	231.78	243.92	231.78	242.00	231.78
Pipe_-(221)	306.28	306.28	319.04	0.01	0.01
Pipe_-(222)	307.78	307.78	317.09	0.01	0.01
Pipe_-(223)	305.35	305.35	315.56	0.01	0.01
Pipe_-(224)	304.11	304.11	309.19	0.01	0.01
Pipe_-(225)	300.93	300.93	311.59	0.01	0.01
Pipe_-(226)	294.87	294.87	305.03	0.01	0.01
Pipe_-(227)	288.92	288.92	298.77	0.01	0.03
Pipe_-(228)	283.27	283.27	291.32	0.01	0.02
Pipe_-(229)	277.03	277.03	285.90	0.01	0.03
Pipe_-(23)	220.01	220.20	220.13	209.48	212.12
Pipe_-(230)	267.23	267.23	284.57	0.01	0.03
Pipe_-(231)	197.53	197.53	278.41	0.01	0.04
Pipe_-(232)	162.04	162.04	269.13	0.01	0.05
Pipe_-(234)	2.47	2.47	329.69	0.01	0.01
Pipe_-(235)	0.01	0.01	2.47	0.01	0.01
Pipe_-(237)	302.56	302.56	315.56	0.01	0.01
Pipe_-(238)	307.53	307.53	309.05	0.01	0.02
Pipe_-(239)	300.92	300.92	307.53	0.01	0.01
Pipe_-(24)	219.44	220.13	219.86	210.34	211.64
Pipe_-(240)	294.88	294.88	305.01	0.01	0.01
Pipe_-(241)	289.02	289.02	298.76	0.01	0.01
Pipe_-(242)	283.30	283.30	291.28	0.01	0.01
Pipe_-(243)	277.09	277.09	285.91	0.01	0.02
Pipe_-(244)	267.81	267.81	284.61	0.01	0.03
Pipe_-(245)	203.28	203.28	278.93	0.01	0.03
Pipe_-(246)	162.08	162.08	271.03	0.01	0.04
Pipe_-(247)	303.48	303.48	318.32	0.01	0.01
Pipe_-(248)	311.16	311.16	312.67	0.01	0.05
Pipe_-(249)	302.79	302.79	311.16	0.01	0.01
Pipe_-(25)	218.22	219.86	219.21	211.01	211.08
Pipe_-(250)	298.56	298.56	304.97	0.01	0.01
Pipe_-(251)	286.21	286.21	302.91	0.01	0.01
Pipe_-(252)	279.55	279.55	290.25	0.01	0.01
Pipe_-(253)	269.53	269.53	282.41	0.01	0.01
Pipe_-(254)	202.82	202.82	272.69	0.01	0.01
Pipe_-(255)	190.62	190.62	266.59	0.01	0.01
Pipe_-(256)	151.32	151.32	215.94	0.01	0.01
Pipe_-(257)	131.18	131.18	189.78	0.01	0.02
Pipe_-(258)	131.11	131.39	131.18	13.81	51.12
Pipe_-(259)	60.74	60.74	129.81	0.01	0.01
Pipe_-(26)	218.53	219.21	218.67	210.44	211.72

Pipe_-(260)	105.37	105.37	132.59	0.01	0.01
Pipe_-(261)	57.23	57.23	131.39	0.01	0.02
Pipe_-(267)	0.01	0.01	12.40	0.01	0.01
Pipe_-(268)	12.40	12.40	32.31	0.01	0.01
Pipe_-(27)	218.55	218.67	218.61	214.81	213.70
Pipe_-(277)	0.01	0.01	38.47	0.01	0.01
Pipe_-(278)	0.01	0.01	328.92	0.01	0.01
Pipe_-(28)	218.29	218.61	218.49	212.70	214.60
Pipe_-(285)	0.01	0.01	328.92	0.01	0.01
Pipe_-(288)	0.01	0.01	1.63	0.01	0.01
Pipe_-(29)	217.72	218.49	218.01	214.37	215.88
Pipe_-(295)	0.01	0.01	41.07	0.01	0.01
Pipe_-(296)	0.01	0.01	328.72	0.01	0.01
Pipe_-(3)	57.34	57.34	72.09	0.01	0.01
Pipe_-(30)	217.36	218.01	217.55	215.50	216.69
Pipe_-(308)	0.01	0.01	0.01	0.64	0.01
Pipe_-(309)	0.01	0.01	0.01	2.36	0.01
Pipe_-(31)	217.14	217.55	217.20	215.07	216.81
Pipe_-(313)	0.11	0.26	0.11	1.43	0.11
Pipe_-(314)	0.01	0.01	2.52	0.01	0.01
Pipe_-(319)	1.67	1.67	21.85	0.99	0.99
Pipe_-(32)	215.56	217.20	215.58	216.21	215.55
Pipe_-(320)	0.58	0.58	24.02	0.01	0.01
Pipe_-(323)	0.01	0.01	0.01	1.21	0.01
Pipe_-(33)	209.17	215.58	209.17	215.75	209.17
Pipe_-(333)	0.98	1.08	0.98	1.68	0.98
Pipe_-(34)	39.47	209.17	39.47	214.27	38.56
Pipe_-(358)	31.31	31.31	35.39	0.01	0.01
Pipe_-(359)	0.01	0.01	31.31	0.01	0.01
Pipe_-(360)	35.39	35.39	38.09	0.01	0.01
Pipe_-(361)	38.87	38.87	42.57	0.01	0.01
Pipe_-(362)	42.57	42.57	45.73	0.01	0.01
Pipe_-(363)	45.73	45.73	49.94	0.01	0.01
Pipe_-(364)	45.25	45.25	50.42	0.01	0.01
Pipe_-(365)	50.42	50.42	312.19	0.01	0.01
Pipe_-(366)	249.38	249.38	288.16	0.01	0.01
Pipe_-(367)	249.37	249.38	277.16	0.01	0.06
Pipe_-(369)	44.90	44.90	302.03	0.01	0.01
Pipe_-(370)	301.40	301.40	301.56	99.93	147.59
Pipe_-(377)	65.41	65.41	182.67	0.01	0.01
Pipe_-(378)	171.78	171.78	296.98	0.01	0.01
Pipe_-(379)	296.98	296.98	317.19	0.01	0.01
Pipe_-(380)	0.01	0.01	144.73	0.01	0.01
Pipe_-(381)	24.63	24.63	48.98	0.01	0.01
Pipe_-(382)	179.12	179.12	277.05	0.01	0.01
Pipe_-(383)	96.82	96.82	179.12	0.01	0.01
Pipe_-(384)	50.18	50.18	105.83	0.01	0.01
Pipe_-(385)	23.43	23.43	48.14	0.01	0.01
Pipe_-(386)	0.01	0.01	18.92	0.01	0.01
Pipe_-(389)	42.87	42.87	239.12	0.01	0.01
Pipe_-(39)	0.01	0.01	39.60	0.01	0.01
Pipe_-(390)	0.01	0.01	3.83	0.01	0.01
Pipe_-(4)	53.04	53.04	59.13	0.01	0.01

Pipe_-(40)	39.60	39.60	39.87	0.01	3.68
Pipe_-(404)	178.66	178.66	319.65	0.01	0.01
Pipe_-(405)	129.49	129.49	164.94	0.01	0.01
Pipe_-(408)	0.01	4.44	0.01	0.01	0.01
Pipe_-(409)	3.65	3.65	4.44	0.01	0.01
Pipe_-(41)	39.87	39.87	47.05	0.01	0.01
Pipe_-(410)	2.62	2.62	3.65	0.01	0.01
Pipe_-(411)	0.01	0.01	2.62	0.01	0.01
Pipe_-(42)	47.05	47.05	51.48	0.01	0.01
Pipe_-(423)	334.73	334.73	334.79	109.65	112.09
Pipe_-(424)	334.79	334.79	334.95	109.92	112.54
Pipe_-(425)	334.95	334.95	334.99	109.88	111.33
Pipe_-(426)	334.99	334.99	335.00	109.93	112.75
Pipe_-(427)	335.00	335.00	335.00	110.13	110.51
Pipe_-(429)	271.62	271.62	271.62	0.06	86.19
Pipe_-(43)	51.48	51.48	52.54	0.01	1.77
Pipe_-(430)	271.62	271.62	271.62	0.08	63.44
Pipe_-(431)	271.62	271.62	271.70	0.01	0.82
Pipe_-(432)	271.62	271.63	271.67	0.01	1.82
Pipe_-(433)	271.67	271.67	271.80	0.08	0.20
Pipe_-(434)	334.77	334.77	334.86	108.82	110.48
Pipe_-(435)	334.86	334.86	334.86	108.61	111.05
Pipe_-(436)	334.86	334.86	334.89	107.47	108.96
Pipe_-(437)	334.89	334.89	334.90	108.16	110.56
Pipe_-(438)	334.90	334.90	334.93	107.53	108.45
Pipe_-(439)	334.72	334.72	334.94	0.01	0.01
Pipe_-(44)	52.54	52.54	53.87	0.01	0.08
Pipe_-(443)	44.72	44.72	285.05	0.01	0.01
Pipe_-(444)	42.74	42.74	44.72	0.01	0.02
Pipe_-(445)	40.60	40.60	42.74	0.01	0.02
Pipe_-(446)	39.57	39.58	40.60	0.01	0.01
Pipe_-(447)	314.85	314.85	315.57	0.01	0.01
Pipe_-(448)	315.57	315.57	316.86	0.01	0.01
Pipe_-(449)	316.86	316.86	317.95	0.01	0.01
Pipe_-(45)	57.46	57.46	107.80	0.01	0.01
Pipe_-(450)	300.99	300.99	301.40	53.13	54.17
Pipe_-(452)	271.61	271.62	271.62	0.19	27.52
Pipe_-(453)	271.61	271.61	271.62	0.01	6.25
Pipe_-(454)	271.61	271.61	271.61	0.01	5.82
Pipe_-(455)	271.61	271.61	271.61	0.01	0.01
Pipe_-(456)	271.60	271.60	271.61	0.01	37.28
Pipe_-(460)	320.61	320.61	322.45	0.01	0.01
Pipe_-(461)	300.72	300.72	300.72	153.53	167.84
Pipe_-(462)	291.86	291.86	301.84	0.01	0.01
Pipe_-(47)	107.80	107.80	163.59	0.01	0.01
Pipe_-(49)	163.59	163.59	181.61	0.01	0.01
Pipe_-(5)	59.13	59.13	142.60	0.01	0.01
Pipe_-(50)	181.61	181.61	194.27	0.01	0.01
Pipe_-(51)	194.27	194.27	195.00	17.16	49.75
Pipe_-(52)	180.33	180.33	181.89	2.49	10.02
Pipe_-(53)	181.89	181.89	204.90	0.01	0.01
Pipe_-(54)	6.56	6.56	14.43	0.01	0.01
Pipe_-(55)	4.75	4.75	6.56	0.01	0.01

Pipe_-(56)	0.01	0.01	4.75	0.01	0.01
Pipe_-(6)	142.60	142.60	176.75	0.01	0.01
Pipe_-(65)	20.50	20.56	22.29	0.01	0.01
Pipe_-(66)	0.01	0.01	20.56	0.01	0.01
Pipe_-(7)	123.29	123.29	156.26	0.01	0.01
Pipe_-(74)	24.34	24.34	29.00	0.01	0.01
Pipe_-(75)	17.25	17.25	24.34	0.01	0.01
Pipe_-(76)	8.25	8.25	17.25	0.01	0.01
Pipe_-(77)	2.78	2.78	8.25	0.01	0.01
Pipe_-(78)	0.01	0.01	2.78	0.01	0.01
Pipe_-(8)	156.26	156.26	178.94	0.01	0.01
Pipe_-(81)	22.46	22.46	105.53	0.01	0.01
Pipe_-(82)	41.19	41.19	42.25	0.01	0.02
Pipe_-(83)	39.41	39.41	41.19	0.01	0.01
Pipe_-(84)	38.33	38.33	39.41	0.01	0.03
Pipe_-(85)	39.62	39.63	40.98	0.01	0.01
Pipe_-(87)	12.80	12.80	39.63	0.01	0.01
Pipe_-(88)	2.67	2.67	12.80	0.01	0.01
Pipe_-(89)	0.01	0.01	2.67	0.01	0.01
Pipe_-(9)	178.94	178.94	183.98	0.01	0.17
Pipe_-(91)	3.83	3.83	4.18	0.01	0.01
Pipe_PS_A	38.09	38.09	271.60	0.01	0.01
Pipe_PS_B	187.41	187.41	189.01	3.50	13.12
Pipe468	0.01	0.01	0.01	12.14	0.01
Pipe483	14.05	14.05	287.61	0.01	0.01
PSC_Overflow	0.01	0.01	235.79	0.01	0.01
PSC_to_Outfall	1.87	131.16	1.87	0.01	1.87
Roadside_Culvert	113.64	113.64	129.78	0.01	0.01
SU1-2_Force1	12.23	36.36	12.23	93.57	12.23
SU1-2_Force2_1	12.23	12.23	12.99	10.84	11.36
SU1-2_Force2_2	1.98	12.99	1.98	10.77	1.98
SU1-2_Force3	1.98	1.98	160.35	0.01	0.01
SU67-FM1	10.83	15.35	10.84	13.97	10.83
SU67-FM2	6.58	10.84	6.58	12.75	6.58
SU67-FM3	0.01	6.58	0.01	16.29	0.01
SU67-FM7	0.01	0.01	161.94	0.01	0.01
SU6-SU7_1	188.08	188.08	248.74	0.01	0.01
SU6-SU7_2	271.26	271.26	328.94	0.01	0.01
SU7-Culvert	185.36	185.36	248.74	0.01	0.01

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Pumping Summary  
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Total	Power	% Time Off	Min	Avg	Max
Volume	Usage	Percent	Flow	Flow	Flow
Pump		Pump Curve	CFS	CFS	CFS
		Utilized	Start-Ups		

10^6 gal      Kw-hr      Low      High

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				Low	High		
004Pump1			90.96	1	0.00	0.36	1.36
2.793	226.82	0.0	0.0				
77Pump1			32.62	12	0.00	18.82	22.28
55.383	7956.52	0.0	2.2				
77Pump2			0.00	0	0.00	0.00	0.00
0.000	0.00	0.0	0.0				
CPump1			37.99	71	0.00	6.68	6.68
22.911	3027.41	0.0	0.0				
CPump2			36.50	12	0.00	6.68	6.68
22.014	2979.60	0.0	0.0				
PumpSU7-1			14.08	155	0.00	3.51	5.57
4.431	118.28	0.0	0.0				
SU1-2_Pump			12.89	442	0.00	3.26	5.57
3.775	102.87	0.0	0.0				

Analysis begun on: Tue Aug 16 14:38:12 2022  
 Analysis ended on: Tue Aug 16 14:54:48 2022  
 Total elapsed time: 00:16:36



EPA STORM WATER MANAGEMENT MODEL - VERSION 5.1 (Build 5.1.015)

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WARNING 09: time series interval greater than recording interval for Rain Gage Null

- WARNING 08: elevation drop exceeds length for Conduit 172\_to\_Inlet
- WARNING 04: minimum elevation drop used for Conduit 381\_to\_PS77
- WARNING 08: elevation drop exceeds length for Conduit 458\_to\_Inlet
- WARNING 08: elevation drop exceeds length for Conduit 469\_to\_Inlet
- WARNING 04: minimum elevation drop used for Conduit Ditch13
- WARNING 04: minimum elevation drop used for Conduit Ditch4\_489
- WARNING 04: minimum elevation drop used for Conduit Ditch6
- WARNING 04: minimum elevation drop used for Conduit Facility73\_to\_Pond
- WARNING 04: minimum elevation drop used for Conduit Pipe\_-(258)
- WARNING 04: minimum elevation drop used for Conduit Pipe\_-(374)
- WARNING 04: minimum elevation drop used for Conduit Pipe\_-(461)
- WARNING 04: minimum elevation drop used for Conduit SU1-2\_Force1
- WARNING 02: maximum depth increased for Node Ditch17\_5\_6
- WARNING 02: maximum depth increased for Node Ditch6\_7
- WARNING 02: maximum depth increased for Node Ditch7\_8
- WARNING 02: maximum depth increased for Node Roadside\_Connection
- WARNING 02: maximum depth increased for Node Structure\_-(489)
- WARNING 02: maximum depth increased for Node SU1-2\_Central
- WARNING 02: maximum depth increased for Node UDitch\_Out

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Element Count

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Number of rain gages ..... 1  
 Number of subcatchments ... 14  
 Number of nodes ..... 351  
 Number of links ..... 345  
 Number of pollutants ..... 0  
 Number of land uses ..... 0

\*\*\*\*\*

Raingage Summary

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Name	Data Source	Data Type	Recording Interval
Null	Null	INTENSITY	60 min.

\*\*\*\*\*

Subcatchment Summary

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Name	Area	Width	%Imperv	%Slope	Rain Gage
Outlet					

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2.1	Structure602	88.70	1950.00	70.12	0.5000	Null
2.2	Ditch9_Inlet	52.40	1400.00	4.01	0.5000	Null
2.3	Structure_-(395)	9.40	450.00	2.13	0.5000	Null
2.4	Ditch4_In	33.10	1560.00	5.14	0.5000	Null
3	SDCB294	17.20	800.00	39.65	0.5000	Null
5	5_Dummy_Outlet	17.20	850.00	2.91	0.5000	Null
A	Ditch4_In	40.50	1950.00	6.42	0.5000	Null
B	Ditch2_3	21.40	850.00	1.87	0.5000	Null
C	C_Dummy_Outlet	17.30	1200.00	6.94	0.5000	Null
D	D_Dummy_Outlet	14.10	1350.00	49.65	0.5000	Null
E	E_Dummy_Outlet	10.70	750.00	11.21	0.5000	Null
F	F_Dummy_Outlet	12.90	1400.00	6.20	0.5000	Null
G	G_Dummy_Outlet	5.60	680.00	3.57	0.5000	Null
H	H_Dummy_Outlet	12.70	840.00	3.15	0.5000	Null

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Node Summary

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External Name Inflow	Type	Invert Elev.	Max. Depth	Ponded Area
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CB19	JUNCTION	6.61	5.52	100.0	Yes
CB22	JUNCTION	6.02	5.00	100.0	Yes
CB30	JUNCTION	7.17	5.00	100.0	Yes
CB31	JUNCTION	7.40	5.00	100.0	Yes
CB33	JUNCTION	7.17	5.00	100.0	Yes
Culvert_Ditch11	JUNCTION	2.71	10.50	100.0	
Culvert_Ditch12a	JUNCTION	2.60	5.00	100.0	Yes
Culvert_Ditch12b	JUNCTION	2.61	5.00	100.0	
Culvert_Ditch12c	JUNCTION	3.00	5.00	100.0	
Ditch1_2	JUNCTION	9.00	5.00	100.0	
Ditch11_12	JUNCTION	2.32	5.34	100.0	
DIitch12_18	JUNCTION	0.50	5.00	100.0	Yes

Ditch14_15	JUNCTION	4.12	5.00	100.0	Yes
Ditch15_16	JUNCTION	3.12	5.00	100.0	Yes
Ditch16_17	JUNCTION	2.18	5.00	100.0	Yes
Ditch17_5_6	JUNCTION	1.24	7.00	100.0	Yes
Ditch2_3	JUNCTION	8.25	5.00	100.0	Yes
Ditch3_Out	JUNCTION	8.00	5.00	100.0	
Ditch4_In	JUNCTION	9.00	5.00	100.0	Yes
Ditch4_Out	JUNCTION	3.00	14.00	100.0	
Ditch5_Inlet	JUNCTION	2.25	5.00	100.0	Yes
Ditch6_7	JUNCTION	1.24	7.00	100.0	Yes
Ditch7_8	JUNCTION	-2.32	8.78	100.0	Yes
Ditch9_10_11	JUNCTION	3.00	10.50	100.0	
Ditch9_Inlet	JUNCTION	10.45	5.00	100.0	Yes
Facility77_PS	JUNCTION	8.30	1.67	100.0	
PS004	JUNCTION	-2.00	6.00	100.0	
PSC_Outlet	JUNCTION	11.50	1.67	100.0	
Roadside_Connection	JUNCTION	3.22	7.28	0.0	Yes
SDCB294	JUNCTION	2.53	6.00	100.0	Yes
SDCB541	JUNCTION	5.31	5.00	100.0	Yes
SDCB543	JUNCTION	7.11	5.75	100.0	Yes
SDCB6003	JUNCTION	2.93	7.65	100.0	Yes
SDCB6005	JUNCTION	5.75	5.00	100.0	Yes
SDMH297	JUNCTION	2.48	6.22	100.0	Yes
SDMH299	JUNCTION	2.50	6.35	100.0	Yes
SDMH301	JUNCTION	2.30	5.00	100.0	Yes
SDMH538	JUNCTION	4.88	5.00	100.0	Yes
SDMH539	JUNCTION	3.53	6.35	100.0	Yes
SDMH540	JUNCTION	3.78	5.75	100.0	Yes
Structure_-_ (1)	JUNCTION	7.42	5.00	100.0	Yes
Structure_-_ (10)	JUNCTION	4.74	9.44	100.0	Yes
Structure_-_ (100)	JUNCTION	10.62	5.00	100.0	Yes
Structure_-_ (101)	JUNCTION	10.67	5.00	100.0	Yes
Structure_-_ (102)	JUNCTION	10.50	5.00	100.0	Yes
Structure_-_ (123)	JUNCTION	7.46	8.18	100.0	Yes
Structure_-_ (124)	JUNCTION	7.70	8.66	100.0	Yes
Structure_-_ (125)	JUNCTION	9.82	5.00	100.0	Yes
Structure_-_ (126)	JUNCTION	10.12	5.00	100.0	Yes
Structure_-_ (128)	JUNCTION	11.13	5.00	100.0	Yes
Structure_-_ (129)	JUNCTION	12.81	5.00	100.0	Yes
Structure_-_ (130)	JUNCTION	10.61	5.00	100.0	Yes
Structure_-_ (131)	JUNCTION	11.13	5.00	100.0	Yes
Structure_-_ (132)	JUNCTION	11.93	5.00	100.0	Yes
Structure_-_ (133)	JUNCTION	10.62	5.00	100.0	Yes
Structure_-_ (134)	JUNCTION	11.30	5.00	100.0	Yes
Structure_-_ (136)	JUNCTION	11.83	5.00	100.0	Yes
Structure_-_ (139)	JUNCTION	4.12	7.40	100.0	Yes
Structure_-_ (140)	JUNCTION	4.22	7.05	100.0	Yes
Structure_-_ (141)	JUNCTION	3.60	6.40	100.0	Yes
Structure_-_ (142)	JUNCTION	5.44	5.00	100.0	Yes
Structure_-_ (143)	JUNCTION	6.40	6.06	100.0	Yes
Structure_-_ (144)	JUNCTION	6.76	5.41	100.0	Yes
Structure_-_ (161)	JUNCTION	6.13	5.00	100.0	Yes
Structure_-_ (162)	JUNCTION	5.25	5.00	100.0	Yes

Structure_-(163)	JUNCTION	4.62	5.00	100.0	Yes
Structure_-(164)	JUNCTION	4.03	5.00	100.0	Yes
Structure_-(165)	JUNCTION	3.70	5.00	100.0	Yes
Structure_-(166)	JUNCTION	3.35	5.00	100.0	Yes
Structure_-(167)	JUNCTION	2.79	5.00	100.0	Yes
Structure_-(168)	JUNCTION	2.15	5.00	100.0	Yes
Structure_-(169)	JUNCTION	1.58	5.00	100.0	Yes
Structure_-(170)	JUNCTION	1.40	10.49	100.0	Yes
Structure_-(171)	JUNCTION	-1.58	13.71	100.0	Yes
Structure_-(172)	JUNCTION	-3.00	5.00	100.0	Yes
Structure_-(173)	JUNCTION	0.55	10.11	100.0	Yes
Structure_-(174)	JUNCTION	1.10	9.56	100.0	Yes
Structure_-(175)	JUNCTION	1.36	14.78	100.0	Yes
Structure_-(176)	JUNCTION	2.44	12.83	100.0	Yes
Structure_-(177)	JUNCTION	3.34	10.94	100.0	Yes
Structure_-(178)	JUNCTION	4.34	5.00	100.0	Yes
Structure_-(179)	JUNCTION	5.24	5.00	100.0	Yes
Structure_-(180)	JUNCTION	4.59	9.53	100.0	Yes
Structure_-(181)	JUNCTION	6.13	9.00	100.0	Yes
Structure_-(19)	JUNCTION	5.05	9.03	100.0	Yes
Structure_-(2)	JUNCTION	7.31	5.43	100.0	Yes
Structure_-(20)	JUNCTION	5.77	5.00	100.0	Yes
Structure_-(205)	JUNCTION	1.40	7.75	100.0	Yes
Structure_-(206)	JUNCTION	1.58	5.00	100.0	Yes
Structure_-(207)	JUNCTION	2.15	5.00	100.0	Yes
Structure_-(208)	JUNCTION	2.79	5.00	100.0	Yes
Structure_-(209)	JUNCTION	3.35	5.00	100.0	Yes
Structure_-(21)	JUNCTION	6.16	5.00	100.0	Yes
Structure_-(210)	JUNCTION	3.65	5.00	100.0	Yes
Structure_-(211)	JUNCTION	4.03	5.00	100.0	Yes
Structure_-(212)	JUNCTION	4.62	5.00	100.0	Yes
Structure_-(213)	JUNCTION	5.25	5.00	100.0	Yes
Structure_-(214)	JUNCTION	6.13	5.00	100.0	Yes
Structure_-(215)	JUNCTION	0.93	9.12	100.0	Yes
Structure_-(216)	JUNCTION	1.11	5.00	100.0	Yes
Structure_-(217)	JUNCTION	1.91	5.00	100.0	Yes
Structure_-(218)	JUNCTION	2.40	5.00	100.0	Yes
Structure_-(219)	JUNCTION	3.42	5.00	100.0	Yes
Structure_-(220)	JUNCTION	3.91	5.00	100.0	Yes
Structure_-(221)	JUNCTION	4.42	5.00	100.0	Yes
Structure_-(222)	JUNCTION	4.96	5.00	100.0	Yes
Structure_-(223)	JUNCTION	5.46	5.00	100.0	Yes
Structure_-(23)	JUNCTION	14.48	0.25	100.0	
Structure_-(230)	JUNCTION	-0.26	11.22	100.0	Yes
Structure_-(231)	JUNCTION	0.55	9.83	100.0	Yes
Structure_-(232)	JUNCTION	1.36	9.03	100.0	Yes
Structure_-(233)	JUNCTION	1.06	7.30	100.0	Yes
Structure_-(234)	JUNCTION	2.15	6.18	100.0	Yes
Structure_-(235)	JUNCTION	2.79	5.91	100.0	Yes
Structure_-(236)	JUNCTION	3.35	5.25	100.0	Yes
Structure_-(237)	JUNCTION	3.70	5.00	100.0	Yes
Structure_-(238)	JUNCTION	4.03	5.00	100.0	Yes
Structure_-(239)	JUNCTION	4.62	5.00	100.0	

Structure_-(24)	JUNCTION	14.47	5.00	100.0	
Structure_-(240)	JUNCTION	5.34	5.00	100.0	Yes
Structure_-(241)	JUNCTION	6.13	5.00	100.0	Yes
Structure_-(242)	JUNCTION	3.20	5.00	100.0	Yes
Structure_-(243)	JUNCTION	3.76	6.82	100.0	Yes
Structure_-(244)	JUNCTION	4.68	6.60	100.0	Yes
Structure_-(245)	JUNCTION	4.95	6.00	100.0	Yes
Structure_-(246)	JUNCTION	1.38	8.96	100.0	Yes
Structure_-(247)	JUNCTION	1.58	5.00	100.0	Yes
Structure_-(248)	JUNCTION	2.15	5.00	100.0	Yes
Structure_-(249)	JUNCTION	2.79	5.00	100.0	Yes
Structure_-(25)	JUNCTION	14.40	0.50	100.0	
Structure_-(250)	JUNCTION	3.35	5.00	100.0	Yes
Structure_-(251)	JUNCTION	3.70	5.00	100.0	Yes
Structure_-(252)	JUNCTION	4.03	5.00	100.0	Yes
Structure_-(253)	JUNCTION	4.59	5.00	100.0	Yes
Structure_-(254)	JUNCTION	5.25	5.00	100.0	Yes
Structure_-(255)	JUNCTION	6.13	5.00	100.0	Yes
Structure_-(256)	JUNCTION	0.93	9.63	100.0	Yes
Structure_-(257)	JUNCTION	1.11	5.00	100.0	Yes
Structure_-(258)	JUNCTION	1.91	5.00	100.0	Yes
Structure_-(259)	JUNCTION	2.40	5.00	100.0	Yes
Structure_-(26)	JUNCTION	14.08	0.50	100.0	
Structure_-(260)	JUNCTION	3.42	5.00	100.0	Yes
Structure_-(261)	JUNCTION	3.91	5.00	100.0	Yes
Structure_-(262)	JUNCTION	4.42	5.00	100.0	Yes
Structure_-(263)	JUNCTION	4.96	5.00	100.0	Yes
Structure_-(264)	JUNCTION	5.46	5.00	100.0	Yes
Structure_-(265)	JUNCTION	6.13	5.00	100.0	Yes
Structure_-(266)	JUNCTION	6.79	5.99	100.0	Yes
Structure_-(267)	JUNCTION	6.79	5.00	100.0	
Structure_-(268)	JUNCTION	7.28	5.00	100.0	Yes
Structure_-(269)	JUNCTION	7.49	5.00	100.0	Yes
Structure_-(27)	JUNCTION	13.18	0.50	100.0	
Structure_-(270)	JUNCTION	7.42	5.00	100.0	Yes
Structure_-(273)	JUNCTION	11.13	5.00	100.0	Yes
Structure_-(274)	JUNCTION	10.63	5.00	100.0	Yes
Structure_-(275)	JUNCTION	10.45	5.00	100.0	Yes
Structure_-(276)	JUNCTION	9.27	5.00	100.0	Yes
Structure_-(277)	JUNCTION	8.39	5.85	100.0	Yes
Structure_-(278)	JUNCTION	7.66	6.47	100.0	Yes
Structure_-(28)	JUNCTION	13.06	0.50	100.0	
Structure_-(287)	JUNCTION	10.45	5.00	100.0	Yes
Structure_-(288)	JUNCTION	11.23	5.00	100.0	Yes
Structure_-(29)	JUNCTION	12.99	0.50	100.0	
Structure_-(298)	JUNCTION	10.43	5.00	100.0	Yes
Structure_-(3)	JUNCTION	6.95	5.07	100.0	Yes
Structure_-(30)	JUNCTION	12.70	0.50	100.0	
Structure_-(305)	JUNCTION	10.68	5.00	100.0	Yes
Structure_-(306)	JUNCTION	11.73	5.00	100.0	Yes
Structure_-(31)	JUNCTION	11.93	0.50	100.0	
Structure_-(319)	JUNCTION	6.31	5.00	100.0	Yes
Structure_-(32)	JUNCTION	11.54	0.50	100.0	

Structure_-(320)	JUNCTION	6.16	5.00	100.0	Yes
Structure_-(325)	JUNCTION	5.48	5.00	100.0	Yes
Structure_-(326)	JUNCTION	7.45	5.00	100.0	Yes
Structure_-(33)	JUNCTION	11.34	0.50	100.0	
Structure_-(331)	JUNCTION	8.05	5.00	100.0	Yes
Structure_-(332)	JUNCTION	8.05	5.00	100.0	Yes
Structure_-(333)	JUNCTION	6.72	5.00	100.0	Yes
Structure_-(34)	JUNCTION	10.58	0.50	100.0	
Structure_-(341)	JUNCTION	6.44	7.90	100.0	Yes
Structure_-(35)	JUNCTION	9.28	0.50	100.0	
Structure_-(37)	JUNCTION	8.81	6.29	100.0	Yes
Structure_-(370)	JUNCTION	8.23	5.00	100.0	Yes
Structure_-(371)	JUNCTION	8.41	5.00	100.0	Yes
Structure_-(372)	JUNCTION	10.48	5.00	100.0	Yes
Structure_-(373)	JUNCTION	8.15	5.00	100.0	Yes
Structure_-(374)	JUNCTION	8.94	6.40	100.0	Yes
Structure_-(375)	JUNCTION	8.64	6.40	100.0	Yes
Structure_-(376)	JUNCTION	8.40	6.40	100.0	Yes
Structure_-(377)	JUNCTION	8.10	6.82	100.0	Yes
Structure_-(378)	JUNCTION	7.73	6.40	100.0	Yes
Structure_-(379)	JUNCTION	2.31	10.70	100.0	Yes
Structure_-(38)	JUNCTION	8.52	5.00	100.0	Yes
Structure_-(380)	JUNCTION	3.13	8.70	100.0	Yes
Structure_-(381)	JUNCTION	2.95	10.00	100.0	
Structure_-(389)	JUNCTION	11.23	5.00	100.0	Yes
Structure_-(39)	JUNCTION	8.41	7.14	100.0	Yes
Structure_-(390)	JUNCTION	11.23	5.00	100.0	Yes
Structure_-(391)	JUNCTION	10.75	5.00	100.0	Yes
Structure_-(392)	JUNCTION	6.74	8.39	100.0	Yes
Structure_-(393)	JUNCTION	5.80	9.07	100.0	Yes
Structure_-(394)	JUNCTION	4.05	10.98	100.0	Yes
Structure_-(395)	JUNCTION	2.29	10.70	100.0	Yes
Structure_-(396)	JUNCTION	11.62	5.00	100.0	Yes
Structure_-(397)	JUNCTION	8.80	5.00	100.0	Yes
Structure_-(398)	JUNCTION	6.70	5.00	100.0	Yes
Structure_-(399)	JUNCTION	7.38	5.00	100.0	Yes
Structure_-(4)	JUNCTION	6.69	6.17	100.0	Yes
Structure_-(40)	JUNCTION	8.23	6.49	100.0	Yes
Structure_-(400)	JUNCTION	7.90	5.00	100.0	Yes
Structure_-(401)	JUNCTION	9.70	5.00	100.0	Yes
Structure_-(404)	JUNCTION	11.04	5.00	100.0	Yes
Structure_-(405)	JUNCTION	11.84	5.00	100.0	Yes
Structure_-(407)	JUNCTION	8.80	5.00	100.0	Yes
Structure_-(408)	JUNCTION	9.47	5.00	100.0	Yes
Structure_-(41)	JUNCTION	6.04	8.46	100.0	Yes
Structure_-(42)	JUNCTION	6.00	8.33	100.0	Yes
Structure_-(426)	JUNCTION	6.36	5.00	100.0	Yes
Structure_-(427)	JUNCTION	5.22	6.00	100.0	Yes
Structure_-(43)	JUNCTION	5.46	6.72	100.0	Yes
Structure_-(431)	JUNCTION	-5.37	2.50	100.0	
Structure_-(432)	JUNCTION	-5.03	2.50	100.0	
Structure_-(433)	JUNCTION	-4.71	2.50	100.0	
Structure_-(434)	JUNCTION	-3.55	2.50	100.0	

Structure_-(435)	JUNCTION	-3.54	2.50	100.0	
Structure_-(44)	JUNCTION	5.22	9.29	100.0	Yes
Structure_-(446)	JUNCTION	9.97	1.67	100.0	
Structure_-(447)	JUNCTION	9.60	1.50	100.0	
Structure_-(448)	JUNCTION	9.29	1.50	100.0	
Structure_-(449)	JUNCTION	7.30	1.50	100.0	
Structure_-(45)	JUNCTION	5.18	5.00	100.0	Yes
Structure_-(450)	JUNCTION	6.70	1.50	100.0	
Structure_-(451)	JUNCTION	6.50	1.50	100.0	
Structure_-(453)	JUNCTION	3.95	5.00	100.0	
Structure_-(454)	JUNCTION	3.94	5.00	100.0	
Structure_-(455)	JUNCTION	3.93	5.00	100.0	
Structure_-(456)	JUNCTION	3.73	5.00	100.0	
Structure_-(457)	JUNCTION	3.63	5.00	100.0	
Structure_-(458)	JUNCTION	3.40	5.00	100.0	
Structure_-(459)	JUNCTION	6.67	1.67	100.0	
Structure_-(46)	JUNCTION	5.11	5.00	100.0	Yes
Structure_-(460)	JUNCTION	6.63	1.67	100.0	
Structure_-(461)	JUNCTION	6.03	1.67	100.0	
Structure_-(462)	JUNCTION	5.88	1.67	100.0	
Structure_-(463)	JUNCTION	4.13	1.67	100.0	
Structure_-(469)	JUNCTION	3.50	5.00	100.0	Yes
Structure_-(47)	JUNCTION	4.65	8.45	100.0	Yes
Structure_-(470)	JUNCTION	7.10	5.00	100.0	Yes
Structure_-(471)	JUNCTION	7.27	5.00	100.0	Yes
Structure_-(472)	JUNCTION	7.40	5.00	100.0	Yes
Structure_-(473)	JUNCTION	7.49	5.00	100.0	Yes
Structure_-(475)	JUNCTION	3.08	11.58	100.0	Yes
Structure_-(476)	JUNCTION	2.97	11.74	100.0	Yes
Structure_-(477)	JUNCTION	2.65	11.74	100.0	Yes
Structure_-(478)	JUNCTION	2.32	10.85	100.0	
Structure_-(481)	JUNCTION	4.00	5.00	100.0	
Structure_-(482)	JUNCTION	4.05	5.00	100.0	
Structure_-(483)	JUNCTION	4.10	5.00	100.0	
Structure_-(484)	JUNCTION	4.22	5.00	100.0	
Structure_-(485)	JUNCTION	4.25	5.00	100.0	
Structure_-(487)	JUNCTION	2.78	11.62	100.0	Yes
Structure_-(489)	JUNCTION	2.74	11.26	100.0	Yes
Structure_-(490)	JUNCTION	11.23	5.00	100.0	Yes
Structure_-(495)	JUNCTION	10.04	5.00	100.0	
Structure_-(5)	JUNCTION	6.37	7.65	100.0	Yes
Structure_-(50)	JUNCTION	4.20	8.20	100.0	Yes
Structure_-(502)	JUNCTION	8.46	5.00	100.0	Yes
Structure_-(503)	JUNCTION	4.71	9.38	100.0	Yes
Structure_-(51)	JUNCTION	3.94	8.28	100.0	Yes
Structure_-(52)	JUNCTION	3.72	7.10	100.0	Yes
Structure_-(53)	JUNCTION	3.71	8.45	100.0	
Structure_-(54)	JUNCTION	3.93	8.20	100.0	
Structure_-(56)	JUNCTION	9.08	5.00	100.0	Yes
Structure_-(57)	JUNCTION	9.29	5.00	100.0	Yes
Structure_-(58)	JUNCTION	9.39	5.00	100.0	Yes
Structure_-(59)	JUNCTION	9.70	5.00	100.0	Yes
Structure_-(6)	JUNCTION	5.70	5.02	100.0	Yes

Structure_-(60)	JUNCTION	9.82	5.00	100.0	Yes
Structure_-(61)	JUNCTION	9.92	5.00	100.0	Yes
Structure_-(62)	JUNCTION	10.02	5.00	100.0	Yes
Structure_-(63)	JUNCTION	10.27	5.00	100.0	Yes
Structure_-(7)	JUNCTION	5.35	5.78	100.0	Yes
Structure_-(70)	JUNCTION	8.89	5.00	100.0	Yes
Structure_-(71)	JUNCTION	10.00	5.00	100.0	Yes
Structure_-(72)	JUNCTION	10.06	5.00	100.0	Yes
Structure_-(73)	JUNCTION	10.33	5.00	100.0	Yes
Structure_-(74)	JUNCTION	10.57	5.00	100.0	Yes
Structure_-(75)	JUNCTION	10.81	5.00	100.0	Yes
Structure_-(76)	JUNCTION	11.05	5.00	100.0	Yes
Structure_-(77)	JUNCTION	11.29	5.00	100.0	Yes
Structure_-(78)	JUNCTION	11.53	5.00	100.0	Yes
Structure_-(79)	JUNCTION	8.72	5.00	100.0	Yes
Structure_-(8)	JUNCTION	5.10	8.03	100.0	Yes
Structure_-(80)	JUNCTION	9.01	5.00	100.0	Yes
Structure_-(81)	JUNCTION	9.25	5.00	100.0	Yes
Structure_-(82)	JUNCTION	9.49	5.00	100.0	Yes
Structure_-(83)	JUNCTION	9.73	5.37	100.0	Yes
Structure_-(84)	JUNCTION	9.97	5.00	100.0	Yes
Structure_-(85)	JUNCTION	10.21	5.00	100.0	Yes
Structure_-(86)	JUNCTION	7.30	5.00	100.0	Yes
Structure_-(87)	JUNCTION	7.38	5.00	100.0	Yes
Structure_-(88)	JUNCTION	7.56	5.00	100.0	Yes
Structure_-(89)	JUNCTION	7.65	5.00	100.0	Yes
Structure_-(9)	JUNCTION	4.82	8.93	100.0	Yes
Structure_-(90)	JUNCTION	7.79	5.00	100.0	Yes
Structure_-(92)	JUNCTION	8.90	5.00	100.0	Yes
Structure_-(93)	JUNCTION	9.26	5.00	100.0	Yes
Structure_-(94)	JUNCTION	9.43	5.00	100.0	Yes
Structure_-(95)	JUNCTION	9.45	5.00	100.0	Yes
Structure_-(96)	JUNCTION	9.60	5.00	100.0	Yes
Structure_-(97)	JUNCTION	9.95	5.00	100.0	Yes
Structure_-(98)	JUNCTION	10.13	5.00	100.0	Yes
Structure_-(99)	JUNCTION	10.32	5.00	100.0	
Structure520	JUNCTION	4.37	5.00	100.0	Yes
Structure521	JUNCTION	1.73	5.00	100.0	Yes
Structure522	JUNCTION	2.08	5.00	100.0	Yes
Structure587	JUNCTION	2.37	5.00	100.0	Yes
Structure593	JUNCTION	2.35	5.00	100.0	Yes
Structure602	JUNCTION	4.68	5.00	100.0	
SU1-2_Central	JUNCTION	5.00	11.00	100.0	
SU1-2_J1	JUNCTION	10.00	0.99	0.0	
SU1-2_J1-2	JUNCTION	8.00	0.99	0.0	
SU1-2_J2	JUNCTION	2.00	0.99	0.0	
SU1-2_Overflow	JUNCTION	8.25	5.00	100.0	
SU1-2_PSOut	JUNCTION	10.00	0.99	0.0	
SU1-2_South	JUNCTION	20.00	4.00	100.0	Yes
SU1-2_West	JUNCTION	15.21	2.00	100.0	Yes
SU6-1E	JUNCTION	11.80	2.00	100.0	Yes
SU67-J1	JUNCTION	13.18	1.25	0.0	
SU67-J2	JUNCTION	10.58	1.25	0.0	



SU67-J3	JUNCTION	9.28	1.25	0.0
SU67-J4	JUNCTION	9.08	1.25	0.0
SU67-J5	JUNCTION	6.04	1.25	0.0
SU67-J6	JUNCTION	5.11	1.25	0.0
SU67-J7	JUNCTION	4.65	1.25	0.0
UDitch_Out	JUNCTION	7.50	14.00	100.0
5_Dummy_Outlet	OUTFALL	0.00	0.00	0.0
C_Dummy_Outlet	OUTFALL	0.00	0.00	0.0
D_Dummy_Outlet	OUTFALL	0.00	0.00	0.0
E_Dummy_Outlet	OUTFALL	0.00	0.00	0.0
F_Dummy_Outlet	OUTFALL	0.00	0.00	0.0
G_Dummy_Outlet	OUTFALL	0.00	0.00	0.0
H_Dummy_Outlet	OUTFALL	0.00	0.00	0.0
Outfall_002A	OUTFALL	-14.87	2.50	0.0
Outfall003	OUTFALL	-3.00	6.85	0.0
77_Thickeners	STORAGE	0.00	100.00	0.0
Facility77_Inlet	STORAGE	-8.05	20.47	0.0
PS_SU6-7	STORAGE	1.00	13.75	0.0
PSC_Sump	STORAGE	0.50	17.13	0.0
RetenionPond	STORAGE	6.50	9.50	0.0
SU1-2_PS	STORAGE	2.50	13.00	0.0

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Link Summary

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Name	From Node	To Node	Type	Length
%Slope Roughness				
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172_to_Inlet 505.0000 0.0120	Structure_-(172)	Facility77_Inlet	CONDUIT	1.0
278_to_PS_B 6.6413 0.0120	Structure_-(278)	Structure602	CONDUIT	45.0
381_to_PS77 0.1000 0.0120	Structure_-(381)	Facility77_Inlet	CONDUIT	1.0
458_to_Inlet -344.9600 0.0140	Structure_-(458)	Facility77_Inlet	CONDUIT	1.0
469_to_Inlet 505.0000 0.0120	Structure_-(469)	Facility77_Inlet	CONDUIT	1.0
C1_1 0.3000 0.0250	SU1-2_West	SU1-2_Central	CONDUIT	1070.0
C1_2 0.5000 0.0120	SU1-2_Central	SU1-2_PS	CONDUIT	74.0
Culvert11 0.7250 0.0120	Ditch9_10_11	Culvert_Ditch11	CONDUIT	40.0
Culvert12 0.9334 0.0120	Culvert_Ditch12a	Ditch11_12	CONDUIT	30.0
Culvert12a 0.0333 0.0120	Culvert_Ditch12b	Culvert_Ditch12a	CONDUIT	30.0
Ditch_77 0.0116 0.0250	Structure587	Structure593	CONDUIT	173.0

Ditch11	Culvert_Ditch11	Ditch11_12	CONDUIT	90.0
0.4333	0.0120			
Ditch12	Culvert_Ditch12c	Culvert_Ditch12b	CONDUIT	260.0
0.1500	0.0250			
Ditch13	Structure521	Structure522	CONDUIT	170.0
0.0006	0.0250			
Ditch14	Structure_-(242)	Ditch14_15	CONDUIT	330.0
0.3030	0.0250			
Ditch15	Ditch14_15	Ditch15_16	CONDUIT	318.0
0.1761	0.0250			
Ditch16	Ditch15_16	Ditch16_17	CONDUIT	350.0
0.2800	0.0250			
Ditch17	Ditch16_17	Ditch17_5_6	CONDUIT	155.0
0.6065	0.0250			
Ditch18	Ditch12_18	PS004	CONDUIT	180.0
0.6333	0.0250			
Ditch2	Ditch1_2	Ditch2_3	CONDUIT	960.0
0.0781	0.0250			
Ditch3	Ditch2_3	Ditch3_Out	CONDUIT	320.0
0.0781	0.0250			
Ditch4_1	Ditch4_In	SU1-2_Overflow	CONDUIT	1020.0
0.0735	0.0250			
Ditch4_2	SU1-2_Overflow	Ditch3_Out	CONDUIT	340.0
0.0735	0.0250			
Ditch4_489	Ditch4_Out	Structure_-(489)	CONDUIT	715.0
0.0001	0.0250			
Ditch5	Ditch5_Inlet	Ditch17_5_6	CONDUIT	1015.0
0.0995	0.0250			
Ditch6	Ditch17_5_6	Ditch6_7	CONDUIT	165.0
0.0006	0.0250			
Ditch7	Ditch6_7	Ditch7_8	CONDUIT	525.0
0.1562	0.0250			
Ditch8	Ditch7_8	Outfall003	CONDUIT	183.0
0.3716	0.0250			
Ditch9	Ditch9_Inlet	Roadside_Connection	CONDUIT	770.0
0.4481	0.0250			
Facility73_to_Pond	Structure_-(451)	RetenionPond	CONDUIT	1.0
0.1000	0.0100			
Pipe_-(1)	Structure_-(1)	Structure_-(2)	CONDUIT	56.5
0.1947	0.0120			
Pipe_-(10)	Structure_-(10)	Structure_-(503)	CONDUIT	163.2
0.0184	0.0220			
Pipe_-(10)_-(1)	Structure_-(503)	Structure602	CONDUIT	25.9
0.1159	0.0220			
Pipe_-(117)	Structure_-(123)	Structure_-(52)	CONDUIT	196.2
1.7188	0.0120			
Pipe_-(118)	Structure_-(124)	Structure_-(123)	CONDUIT	70.2
0.3420	0.0120			
Pipe_-(119)	Structure_-(125)	Structure_-(124)	CONDUIT	234.0
0.9060	0.0120			
Pipe_-(120)	Structure_-(126)	Structure_-(125)	CONDUIT	136.0
0.2206	0.0120			
Pipe_-(122)	Structure_-(128)	Structure_-(126)	CONDUIT	203.0

0.4975	0.0120				
Pipe_-(123)		Structure_-(129)	Structure_-(128)	CONDUIT	212.0
0.7925	0.0120				
Pipe_-(124)		Structure_-(130)	Structure_-(123)	CONDUIT	151.3
0.3965	0.0120				
Pipe_-(125)		Structure_-(131)	Structure_-(130)	CONDUIT	40.0
1.3001	0.0120				
Pipe_-(126)		Structure_-(132)	Structure_-(131)	CONDUIT	46.5
1.7207	0.0120				
Pipe_-(127)		Structure_-(133)	Structure_-(125)	CONDUIT	166.0
0.4819	0.0120				
Pipe_-(128)		Structure_-(134)	Structure_-(133)	CONDUIT	119.0
0.7815	0.0120				
Pipe_-(130)		Structure_-(136)	Structure_-(133)	CONDUIT	94.3
2.2159	0.0120				
Pipe_-(133)		Structure_-(139)	Structure_-(53)	CONDUIT	9.5
1.6802	0.0120				
Pipe_-(134)		Structure_-(140)	Structure_-(139)	CONDUIT	48.5
0.2062	0.0120				
Pipe_-(135)		Structure_-(141)	Structure_-(140)	CONDUIT	38.7
0.2069	0.0120				
Pipe_-(136)		Structure_-(142)	Structure_-(141)	CONDUIT	33.0
3.4633	0.0120				
Pipe_-(137)		Structure_-(143)	Structure_-(142)	CONDUIT	32.0
2.9954	0.0120				
Pipe_-(138)		Structure_-(144)	Structure_-(143)	CONDUIT	12.0
3.0005	0.0120				
Pipe_-(153)		Structure_-(161)	Structure_-(162)	CONDUIT	160.0
0.8000	0.0120				
Pipe_-(154)		Structure_-(162)	Structure_-(163)	CONDUIT	125.0
0.8240	0.0120				
Pipe_-(155)		Structure_-(163)	Structure_-(164)	CONDUIT	177.0
0.5028	0.0120				
Pipe_-(156)		Structure_-(164)	Structure_-(165)	CONDUIT	144.0
0.3333	0.0120				
Pipe_-(157)		Structure_-(165)	Structure_-(166)	CONDUIT	126.0
0.3968	0.0120				
Pipe_-(158)		Structure_-(166)	Structure_-(167)	CONDUIT	203.0
0.3498	0.0120				
Pipe_-(159)		Structure_-(167)	Structure_-(168)	CONDUIT	127.0
0.7402	0.0120				
Pipe_-(160)		Structure_-(168)	Structure_-(169)	CONDUIT	186.0
0.1989	0.0120				
Pipe_-(161)		Structure_-(169)	Structure_-(170)	CONDUIT	94.0
0.1915	0.0120				
Pipe_-(162)		Structure_-(170)	Structure_-(171)	CONDUIT	13.1
7.9514	0.0120				
Pipe_-(163)		Structure_-(171)	Structure_-(172)	CONDUIT	174.5
0.8149	0.0120				
Pipe_-(164)		Structure_-(173)	Structure_-(171)	CONDUIT	120.9
3.2200	0.0120				
Pipe_-(165)		Structure_-(174)	Structure_-(173)	CONDUIT	122.7
0.6440	0.0120				

Pipe_-(166)	Structure_-(175)	Structure_-(174)	CONDUIT	101.0
0.2575	0.0120			
Pipe_-(167)	Structure_-(176)	Structure_-(175)	CONDUIT	132.0
0.8182	0.0120			
Pipe_-(168)	Structure_-(177)	Structure_-(176)	CONDUIT	250.0
0.4000	0.0120			
Pipe_-(169)	Structure_-(178)	Structure_-(177)	CONDUIT	248.0
0.4427	0.0120			
Pipe_-(170)	Structure_-(179)	Structure_-(178)	CONDUIT	225.0
0.4444	0.0120			
Pipe_-(171)	Structure_-(180)	Structure_-(179)	CONDUIT	240.0
0.1008	0.0120			
Pipe_-(172)	Structure_-(181)	Structure_-(180)	CONDUIT	260.0
0.6308	0.0120			
Pipe_-(18)	Structure_-(19)	Structure_-(10)	CONDUIT	139.0
0.2245	0.0120			
Pipe_-(19)	Structure_-(20)	Structure_-(8)	CONDUIT	335.3
0.1998	0.0120			
Pipe_-(196)	Structure_-(205)	Structure_-(174)	CONDUIT	15.0
3.7359	0.0120			
Pipe_-(197)	Structure_-(206)	Structure_-(205)	CONDUIT	92.0
0.1957	0.0120			
Pipe_-(198)	Structure_-(207)	Structure_-(206)	CONDUIT	186.0
0.4140	0.0120			
Pipe_-(199)	Structure_-(208)	Structure_-(207)	CONDUIT	127.0
0.7402	0.0120			
Pipe_-(2)	Structure_-(2)	Structure_-(3)	CONDUIT	179.1
0.2011	0.0120			
Pipe_-(20)	Structure_-(21)	Structure_-(20)	CONDUIT	196.6
0.1984	0.0120			
Pipe_-(200)	Structure_-(209)	Structure_-(208)	CONDUIT	203.0
0.3498	0.0120			
Pipe_-(201)	Structure_-(210)	Structure_-(209)	CONDUIT	126.0
0.3571	0.0120			
Pipe_-(202)	Structure_-(211)	Structure_-(210)	CONDUIT	144.0
0.3681	0.0120			
Pipe_-(203)	Structure_-(212)	Structure_-(211)	CONDUIT	177.0
0.5028	0.0120			
Pipe_-(204)	Structure_-(213)	Structure_-(212)	CONDUIT	125.0
0.8240	0.0120			
Pipe_-(205)	Structure_-(214)	Structure_-(213)	CONDUIT	160.0
0.8000	0.0120			
Pipe_-(206)	Structure_-(215)	Structure_-(173)	CONDUIT	13.0
5.5484	0.0120			
Pipe_-(207)	Structure_-(216)	Structure_-(215)	CONDUIT	94.0
0.1915	0.0120			
Pipe_-(208)	Structure_-(217)	Structure_-(216)	CONDUIT	186.0
0.5645	0.0120			
Pipe_-(209)	Structure_-(218)	Structure_-(217)	CONDUIT	127.0
0.5039	0.0120			
Pipe_-(210)	Structure_-(219)	Structure_-(218)	CONDUIT	203.0
0.6256	0.0120			
Pipe_-(211)	Structure_-(220)	Structure_-(219)	CONDUIT	126.0

0.5079	0.0120				
Pipe_-(212)		Structure_-(221)	Structure_-(220)	CONDUIT	144.0
0.4583	0.0120				
Pipe_-(213)		Structure_-(222)	Structure_-(221)	CONDUIT	177.0
0.4181	0.0120				
Pipe_-(214)		Structure_-(223)	Structure_-(222)	CONDUIT	125.0
0.5200	0.0120				
Pipe_-(215)		Structure520	Structure_-(223)	CONDUIT	161.7
0.4996	0.0120				
Pipe_-(22)		Structure_-(23)	Structure_-(24)	CONDUIT	4.4
0.2279	0.0100				
Pipe_-(221)		Structure_-(230)	Structure_-(171)	CONDUIT	124.5
1.8642	0.0120				
Pipe_-(222)		Structure_-(231)	Structure_-(230)	CONDUIT	122.7
1.0664	0.0100				
Pipe_-(223)		Structure_-(232)	Structure_-(231)	CONDUIT	124.1
1.0558	0.0120				
Pipe_-(224)		Structure_-(233)	Structure_-(232)	CONDUIT	108.3
0.6002	0.0120				
Pipe_-(225)		Structure_-(234)	Structure_-(233)	CONDUIT	184.8
0.6993	0.0120				
Pipe_-(226)		Structure_-(235)	Structure_-(234)	CONDUIT	127.0
0.7402	0.0120				
Pipe_-(227)		Structure_-(236)	Structure_-(235)	CONDUIT	203.0
0.3498	0.0120				
Pipe_-(228)		Structure_-(237)	Structure_-(236)	CONDUIT	120.0
0.4167	0.0120				
Pipe_-(229)		Structure_-(238)	Structure_-(237)	CONDUIT	150.0
0.3200	0.0120				
Pipe_-(23)		Structure_-(24)	Structure_-(25)	CONDUIT	34.4
0.2036	0.0100				
Pipe_-(230)		Structure_-(239)	Structure_-(238)	CONDUIT	177.0
0.5031	0.0120				
Pipe_-(231)		Structure_-(240)	Structure_-(239)	CONDUIT	125.0
0.8957	0.0120				
Pipe_-(232)		Structure_-(241)	Structure_-(240)	CONDUIT	160.0
0.7438	0.0120				
Pipe_-(234)		Structure_-(243)	Structure_-(242)	CONDUIT	124.0
0.4759	0.0120				
Pipe_-(235)		Structure_-(244)	Structure_-(243)	CONDUIT	98.1
1.0605	0.0120				
Pipe_-(236)		Structure_-(245)	Structure_-(244)	CONDUIT	97.7
0.2763	0.0120				
Pipe_-(237)		Structure_-(246)	Structure_-(231)	CONDUIT	13.0
12.7170	0.0120				
Pipe_-(238)		Structure_-(247)	Structure_-(246)	CONDUIT	94.0
0.2149	0.0120				
Pipe_-(239)		Structure_-(248)	Structure_-(247)	CONDUIT	186.0
0.4140	0.0120				
Pipe_-(24)		Structure_-(25)	Structure_-(26)	CONDUIT	158.8
0.2016	0.0100				
Pipe_-(240)		Structure_-(249)	Structure_-(248)	CONDUIT	127.0
0.7402	0.0120				

Pipe_-(241)	Structure_-(250)	Structure_-(249)	CONDUIT	203.0
0.3498	0.0120			
Pipe_-(242)	Structure_-(251)	Structure_-(250)	CONDUIT	126.0
0.3968	0.0120			
Pipe_-(243)	Structure_-(252)	Structure_-(251)	CONDUIT	144.0
0.3333	0.0120			
Pipe_-(244)	Structure_-(253)	Structure_-(252)	CONDUIT	177.0
0.4859	0.0120			
Pipe_-(245)	Structure_-(254)	Structure_-(253)	CONDUIT	125.0
0.8480	0.0120			
Pipe_-(246)	Structure_-(255)	Structure_-(254)	CONDUIT	160.0
0.8000	0.0120			
Pipe_-(247)	Structure_-(256)	Structure_-(230)	CONDUIT	13.0
18.2989	0.0120			
Pipe_-(248)	Structure_-(257)	Structure_-(256)	CONDUIT	94.0
0.1915	0.0120			
Pipe_-(249)	Structure_-(258)	Structure_-(257)	CONDUIT	186.0
0.5645	0.0120			
Pipe_-(25)	Structure_-(26)	Structure_-(27)	CONDUIT	449.4
0.2003	0.0100			
Pipe_-(250)	Structure_-(259)	Structure_-(258)	CONDUIT	127.0
0.5039	0.0120			
Pipe_-(251)	Structure_-(260)	Structure_-(259)	CONDUIT	203.0
0.6256	0.0120			
Pipe_-(252)	Structure_-(261)	Structure_-(260)	CONDUIT	126.0
0.5079	0.0120			
Pipe_-(253)	Structure_-(262)	Structure_-(261)	CONDUIT	144.0
0.4583	0.0120			
Pipe_-(254)	Structure_-(263)	Structure_-(262)	CONDUIT	177.0
0.4181	0.0120			
Pipe_-(255)	Structure_-(264)	Structure_-(263)	CONDUIT	125.0
0.5200	0.0120			
Pipe_-(256)	Structure_-(265)	Structure_-(264)	CONDUIT	160.0
0.5750	0.0120			
Pipe_-(257)	Structure_-(266)	Structure_-(265)	CONDUIT	130.4
0.5062	0.0120			
Pipe_-(258)	Structure_-(267)	Structure_-(266)	CONDUIT	24.6
0.0041	0.0120			
Pipe_-(259)	Structure_-(268)	Structure_-(267)	CONDUIT	101.0
0.4750	0.0120			
Pipe_-(26)	Structure_-(27)	Structure_-(28)	CONDUIT	58.2
0.2061	0.0100			
Pipe_-(260)	Structure_-(269)	Structure_-(268)	CONDUIT	41.9
0.5256	0.0100			
Pipe_-(261)	Structure_-(270)	Structure_-(267)	CONDUIT	135.0
0.4663	0.0120			
Pipe_-(264)	Structure_-(273)	Structure_-(274)	CONDUIT	172.7
0.1448	0.0120			
Pipe_-(265)	Structure_-(274)	Structure_-(275)	CONDUIT	102.1
0.1763	0.0120			
Pipe_-(266)	Structure_-(275)	Structure_-(276)	CONDUIT	121.8
0.3940	0.0120			
Pipe_-(267)	Structure_-(276)	Structure_-(277)	CONDUIT	159.0

0.3962	0.0120				
Pipe_-(268)		Structure_-(277)	Structure_-(278)	CONDUIT	127.9
0.5550	0.0120				
Pipe_-(27)		Structure_-(28)	Structure_-(29)	CONDUIT	35.7
0.1958	0.0100				
Pipe_-(277)		Structure_-(287)	Structure_-(277)	CONDUIT	134.5
2.7665	0.0120				
Pipe_-(278)		Structure_-(288)	Structure_-(287)	CONDUIT	122.3
0.8424	0.0120				
Pipe_-(28)		Structure_-(29)	Structure_-(30)	CONDUIT	143.4
0.2022	0.0100				
Pipe_-(285)		Structure_-(490)	Structure_-(287)	CONDUIT	143.8
0.7163	0.0120				
Pipe_-(288)		Structure_-(298)	Structure_-(276)	CONDUIT	241.1
0.6884	0.0120				
Pipe_-(29)		Structure_-(30)	Structure_-(31)	CONDUIT	387.2
0.1988	0.0100				
Pipe_-(295)		Structure_-(305)	Structure_-(277)	CONDUIT	54.0
7.4465	0.0120				
Pipe_-(296)		Structure_-(306)	Structure_-(305)	CONDUIT	153.1
0.6861	0.0120				
Pipe_-(3)		Structure_-(3)	Structure_-(4)	CONDUIT	130.0
0.2000	0.0120				
Pipe_-(30)		Structure_-(31)	Structure_-(32)	CONDUIT	197.5
0.1975	0.0100				
Pipe_-(307)		CB19	Structure_-(319)	CONDUIT	171.0
0.1755	0.0120				
Pipe_-(308)		Structure_-(319)	Structure_-(320)	CONDUIT	90.0
0.1667	0.0120				
Pipe_-(309)		Structure_-(320)	CB22	CONDUIT	88.1
0.1590	0.0120				
Pipe_-(31)		Structure_-(32)	Structure_-(33)	CONDUIT	99.5
0.2010	0.0100				
Pipe_-(310)		CB22	SDMH539	CONDUIT	153.2
1.0719	0.0120				
Pipe_-(311)		SDMH539	SDCB6003	CONDUIT	236.8
0.5913	0.0120				
Pipe_-(312)		SDCB6003	SDMH297	CONDUIT	178.1
0.2527	0.0120				
Pipe_-(313)		Structure_-(325)	Structure_-(319)	CONDUIT	155.6
0.0437	0.0120				
Pipe_-(314)		Structure_-(326)	Structure_-(325)	CONDUIT	112.8
1.0394	0.0120				
Pipe_-(319)		Structure_-(331)	Structure_-(319)	CONDUIT	70.0
3.6596	0.0100				
Pipe_-(32)		Structure_-(33)	Structure_-(34)	CONDUIT	379.9
0.2001	0.0100				
Pipe_-(320)		Structure_-(332)	Structure_-(320)	CONDUIT	60.0
4.7721	0.0100				
Pipe_-(321)		Structure_-(333)	CB22	CONDUIT	42.0
3.3352	0.0120				
Pipe_-(322)		CB30	Structure_-(333)	CONDUIT	89.0
0.5056	0.0120				

Pipe_-(323)	CB31	CB30	CONDUIT	185.0
0.1243 0.0120				
Pipe_-(327)	SDCB541	CB22	CONDUIT	38.0
0.2317 0.0120				
Pipe_-(328)	SDCB543	SDCB541	CONDUIT	143.6
0.6615 0.0120				
Pipe_-(329)	Structure_-(341)	SDCB543	CONDUIT	100.2
1.3780 0.0120				
Pipe_-(33)	Structure_-(34)	Structure_-(35)	CONDUIT	649.8
0.2001 0.0100				
Pipe_-(331)	SDMH538	SDMH539	CONDUIT	41.1
2.1925 0.0120				
Pipe_-(333)	SDMH540	SDMH539	CONDUIT	44.2
0.0906 0.0100				
Pipe_-(334)	CB33	SDMH540	CONDUIT	83.8
3.0343 0.0100				
Pipe_-(337)	SDMH299	SDMH297	CONDUIT	30.6
0.0654 0.0220				
Pipe_-(338)	Structure522	SDMH299	CONDUIT	222.9
0.0772 0.0220				
Pipe_-(34)	Structure_-(35)	Structure_-(56)	CONDUIT	98.9
0.2023 0.0100				
Pipe_-(340)	SDCB6005	SDCB6003	CONDUIT	185.6
3.1111 0.0100				
Pipe_-(35)	Structure_-(56)	Structure_-(37)	CONDUIT	137.2
0.1967 0.0120				
Pipe_-(358)	Structure_-(371)	Structure_-(370)	CONDUIT	36.6
0.4866 0.0100				
Pipe_-(359)	Structure_-(372)	Structure_-(371)	CONDUIT	689.8
0.3001 0.0100				
Pipe_-(36)	Structure_-(37)	Structure_-(38)	CONDUIT	146.8
0.1976 0.0120				
Pipe_-(360)	Structure_-(370)	Structure_-(373)	CONDUIT	34.4
0.2383 0.0100				
Pipe_-(361)	Structure_-(374)	Structure_-(375)	CONDUIT	42.5
0.6940 0.0100				
Pipe_-(362)	Structure_-(375)	Structure_-(376)	CONDUIT	27.3
0.8805 0.0100				
Pipe_-(363)	Structure_-(376)	Structure_-(377)	CONDUIT	46.1
0.6508 0.0100				
Pipe_-(364)	Structure_-(377)	Structure_-(378)	CONDUIT	69.7
0.5312 0.0100				
Pipe_-(365)	Structure_-(378)	Structure_-(379)	CONDUIT	62.4
6.6209 0.0100				
Pipe_-(366)	Structure_-(379)	Structure_-(380)	CONDUIT	115.7
-0.6657 0.0120				
Pipe_-(367)	Structure_-(380)	Structure_-(381)	CONDUIT	75.7
0.2377 0.0120				
Pipe_-(369)	Structure_-(502)	Structure_-(379)	CONDUIT	25.0
15.5846 0.0100				
Pipe_-(37)	Structure_-(38)	Structure_-(39)	CONDUIT	56.8
0.1937 0.0120				
Pipe_-(370)	Structure_-(478)	Structure_-(379)	CONDUIT	133.0



0.0075	0.0120				
Pipe_-(374)		Structure_-(389)	Structure_-(390)	CONDUIT	139.2
0.0007	0.0220				
Pipe_-(375)		Structure_-(390)	Structure_-(391)	CONDUIT	166.0
0.2892	0.0220				
Pipe_-(376)		Structure_-(396)	Structure_-(391)	CONDUIT	90.0
0.9667	0.0220				
Pipe_-(377)		Structure_-(392)	Structure_-(393)	CONDUIT	116.8
0.8052	0.0120				
Pipe_-(378)		Structure_-(393)	Structure_-(394)	CONDUIT	88.4
2.2076	0.0120				
Pipe_-(379)		Structure_-(394)	Structure_-(395)	CONDUIT	79.8
2.2051	0.0120				
Pipe_-(38)		Structure_-(39)	Structure_-(40)	CONDUIT	89.7
0.1985	0.0120				
Pipe_-(380)		Structure_-(391)	Structure_-(392)	CONDUIT	63.5
6.3263	0.0220				
Pipe_-(381)		Structure_-(397)	Structure_-(393)	CONDUIT	15.5
8.4382	0.0100				
Pipe_-(382)		Structure_-(398)	Structure_-(393)	CONDUIT	53.2
1.6905	0.0100				
Pipe_-(383)		Structure_-(399)	Structure_-(398)	CONDUIT	40.0
1.7002	0.0100				
Pipe_-(384)		Structure_-(400)	Structure_-(393)	CONDUIT	79.0
1.1395	0.0100				
Pipe_-(385)		Structure_-(401)	Structure_-(400)	CONDUIT	109.0
1.1923	0.0100				
Pipe_-(386)		Structure_-(404)	Structure_-(401)	CONDUIT	67.7
1.6840	0.0100				
Pipe_-(387)		Structure_-(405)	Structure_-(404)	CONDUIT	40.0
2.0004	0.0100				
Pipe_-(389)		Structure_-(407)	Structure_-(394)	CONDUIT	17.5
16.2439	0.0100				
Pipe_-(39)		Structure_-(40)	Structure_-(41)	CONDUIT	115.8
1.8909	0.0120				
Pipe_-(390)		Structure_-(96)	Structure_-(408)	CONDUIT	43.9
0.2918	0.0120				
Pipe_-(4)		Structure_-(4)	Structure_-(5)	CONDUIT	160.9
0.1989	0.0120				
Pipe_-(40)		Structure_-(41)	Structure_-(42)	CONDUIT	40.0
0.0999	0.0120				
Pipe_-(404)		Structure_-(426)	Structure593	CONDUIT	104.4
3.8451	0.0120				
Pipe_-(405)		Structure_-(427)	Structure_-(426)	CONDUIT	62.6
0.4152	0.0120				
Pipe_-(408)		Structure_-(431)	Outfall_002A	CONDUIT	950.0
1.0001	0.0100				
Pipe_-(409)		Structure_-(432)	Structure_-(431)	CONDUIT	68.3
0.4978	0.0100				
Pipe_-(41)		Structure_-(42)	Structure_-(43)	CONDUIT	199.0
0.2724	0.0120				
Pipe_-(410)		Structure_-(433)	Structure_-(432)	CONDUIT	62.9
0.5084	0.0100				

Pipe_-(411)	Structure_-(434)	Structure_-(433)	CONDUIT	230.9
0.5024	0.0100			
Pipe_-(412)	Structure_-(435)	Structure_-(434)	CONDUIT	2.7
0.3663	0.0100			
Pipe_-(42)	Structure_-(43)	Structure_-(44)	CONDUIT	122.0
0.1967	0.0120			
Pipe_-(423)	Structure_-(446)	Structure_-(447)	CONDUIT	73.6
0.5030	0.0100			
Pipe_-(424)	Structure_-(447)	Structure_-(448)	CONDUIT	63.1
0.4916	0.0100			
Pipe_-(425)	Structure_-(448)	Structure_-(449)	CONDUIT	396.9
0.5014	0.0100			
Pipe_-(426)	Structure_-(449)	Structure_-(450)	CONDUIT	119.9
0.5003	0.0100			
Pipe_-(427)	Structure_-(450)	Structure_-(451)	CONDUIT	41.3
0.4839	0.0100			
Pipe_-(429)	Structure_-(453)	Structure_-(454)	CONDUIT	11.8
0.0424	0.0100			
Pipe_-(43)	Structure_-(44)	Structure_-(45)	CONDUIT	19.0
0.2105	0.0120			
Pipe_-(430)	Structure_-(454)	Structure_-(455)	CONDUIT	27.1
0.0479	0.0100			
Pipe_-(431)	Structure_-(455)	Structure_-(456)	CONDUIT	161.9
0.1236	0.0100			
Pipe_-(432)	Structure_-(456)	Structure_-(457)	CONDUIT	40.0
0.2548	0.0140			
Pipe_-(433)	Structure_-(457)	Structure_-(458)	CONDUIT	167.8
0.1375	0.0140			
Pipe_-(434)	Facility77_PS	Structure_-(459)	CONDUIT	325.4
0.5010	0.0140			
Pipe_-(435)	Structure_-(459)	Structure_-(460)	CONDUIT	8.3
0.4844	0.0140			
Pipe_-(436)	Structure_-(460)	Structure_-(461)	CONDUIT	100.1
0.5992	0.0140			
Pipe_-(437)	Structure_-(461)	Structure_-(462)	CONDUIT	31.1
0.4828	0.0140			
Pipe_-(438)	Structure_-(462)	Structure_-(463)	CONDUIT	349.4
0.5009	0.0140			
Pipe_-(439)	Structure_-(463)	Structure_-(446)	CONDUIT	7.0
-154.9749	0.0140			
Pipe_-(44)	Structure_-(45)	Structure_-(46)	CONDUIT	34.0
0.2059	0.0120			
Pipe_-(443)	Structure_-(470)	Structure_-(469)	CONDUIT	101.0
3.5716	0.0120			
Pipe_-(444)	Structure_-(471)	Structure_-(470)	CONDUIT	38.1
0.4466	0.0120			
Pipe_-(445)	Structure_-(472)	Structure_-(471)	CONDUIT	26.9
0.4826	0.0120			
Pipe_-(446)	Structure_-(473)	Structure_-(472)	CONDUIT	17.0
0.5177	0.0120			
Pipe_-(447)	Structure_-(475)	Structure_-(476)	CONDUIT	23.2
0.4732	0.0100			
Pipe_-(448)	Structure_-(476)	Structure_-(477)	CONDUIT	64.1

0.4993	0.0100	Pipe_-(449)	Structure_-(477)	Structure_-(478)	CONDUIT	65.6
0.5027	0.0100	Pipe_-(45)	Structure_-(46)	Structure_-(47)	CONDUIT	102.3
0.4498	0.0240	Pipe_-(450)	Structure593	Structure_-(478)	CONDUIT	68.2
0.0440	0.0120	Pipe_-(452)	Structure_-(481)	Structure_-(453)	CONDUIT	1398.0
0.0036	0.0100	Pipe_-(453)	Structure_-(482)	Structure_-(481)	CONDUIT	89.7
0.0558	0.0100	Pipe_-(454)	Structure_-(483)	Structure_-(482)	CONDUIT	107.6
0.0465	0.0100	Pipe_-(455)	Structure_-(484)	Structure_-(483)	CONDUIT	26.5
0.4524	0.0100	Pipe_-(456)	Structure_-(485)	Structure_-(484)	CONDUIT	20.4
0.1473	0.0100	Pipe_-(460)	Structure_-(487)	Structure_-(477)	CONDUIT	26.7
0.4866	0.0100	Pipe_-(461)	Structure_-(395)	Structure587	CONDUIT	54.5
0.0018	0.0240	Pipe_-(462)	Structure_-(489)	Structure_-(395)	CONDUIT	49.0
0.9193	0.0240	Pipe_-(467)	SDMH297	SDMH301	CONDUIT	257.0
0.0700	0.0120	Pipe_-(47)	Structure_-(47)	Structure_-(50)	CONDUIT	73.5
0.6123	0.0220	Pipe_-(474)	Structure_-(98)	Structure_-(495)	CONDUIT	29.9
0.3010	0.0120	Pipe_-(49)	Structure_-(50)	Structure_-(51)	CONDUIT	84.8
0.3065	0.0220	Pipe_-(5)	Structure_-(5)	Structure_-(6)	CONDUIT	336.7
0.1990	0.0120	Pipe_-(50)	Structure_-(51)	Structure_-(52)	CONDUIT	103.2
0.2132	0.0220	Pipe_-(51)	Structure_-(52)	Structure_-(53)	CONDUIT	143.4
0.0070	0.0220	Pipe_-(52)	Structure_-(53)	Structure_-(54)	CONDUIT	210.5
0.0131	0.0120	Pipe_-(53)	Structure_-(54)	Facility77_Inlet	CONDUIT	122.3
0.3126	0.0220	Pipe_-(54)	Structure_-(57)	Structure_-(56)	CONDUIT	105.3
0.1995	0.0120	Pipe_-(55)	Structure_-(58)	Structure_-(57)	CONDUIT	51.9
0.1927	0.0120	Pipe_-(56)	Structure_-(59)	Structure_-(58)	CONDUIT	154.5
0.2006	0.0120	Pipe_-(57)	Structure_-(60)	Structure_-(59)	CONDUIT	60.0
0.2000	0.0120	Pipe_-(58)	Structure_-(61)	Structure_-(60)	CONDUIT	48.0
0.2083	0.0120	Pipe_-(59)	Structure_-(62)	Structure_-(61)	CONDUIT	50.4
0.1983	0.0120					

Pipe_-(6)	Structure_-(6)	Structure_-(7)	CONDUIT	172.8
0.2014 0.0120				
Pipe_-(60)	Structure_-(63)	Structure_-(62)	CONDUIT	125.3
0.1995 0.0120				
Pipe_-(65)	Structure_-(70)	Structure_-(37)	CONDUIT	40.0
0.1999 0.0120				
Pipe_-(66)	Structure_-(71)	Structure_-(70)	CONDUIT	54.1
2.0504 0.0120				
Pipe_-(67)	Structure_-(72)	Structure_-(71)	CONDUIT	30.2
0.1988 0.0120				
Pipe_-(68)	Structure_-(73)	Structure_-(72)	CONDUIT	134.3
0.2011 0.0120				
Pipe_-(69)	Structure_-(74)	Structure_-(73)	CONDUIT	120.0
0.2000 0.0120				
Pipe_-(7)	Structure_-(7)	Structure_-(8)	CONDUIT	122.8
0.2053 0.0140				
Pipe_-(70)	Structure_-(75)	Structure_-(74)	CONDUIT	120.0
0.2000 0.0120				
Pipe_-(71)	Structure_-(76)	Structure_-(75)	CONDUIT	120.0
0.2000 0.0120				
Pipe_-(72)	Structure_-(77)	Structure_-(76)	CONDUIT	120.0
0.2000 0.0120				
Pipe_-(73)	Structure_-(78)	Structure_-(77)	CONDUIT	120.0
0.2000 0.0120				
Pipe_-(74)	Structure_-(79)	Structure_-(38)	CONDUIT	104.5
0.1913 0.0120				
Pipe_-(75)	Structure_-(80)	Structure_-(79)	CONDUIT	143.3
0.2024 0.0120				
Pipe_-(76)	Structure_-(81)	Structure_-(80)	CONDUIT	120.0
0.2000 0.0120				
Pipe_-(77)	Structure_-(82)	Structure_-(81)	CONDUIT	120.0
0.2000 0.0120				
Pipe_-(78)	Structure_-(83)	Structure_-(82)	CONDUIT	120.0
0.2000 0.0120				
Pipe_-(79)	Structure_-(84)	Structure_-(83)	CONDUIT	120.0
0.2000 0.0120				
Pipe_-(8)	Structure_-(8)	Structure_-(9)	CONDUIT	138.0
0.2029 0.0140				
Pipe_-(80)	Structure_-(85)	Structure_-(84)	CONDUIT	120.0
0.2000 0.0120				
Pipe_-(81)	Structure_-(86)	Structure_-(42)	CONDUIT	73.5
3.1325 0.0120				
Pipe_-(82)	Structure_-(87)	Structure_-(86)	CONDUIT	22.4
0.3571 0.0120				
Pipe_-(83)	Structure_-(88)	Structure_-(87)	CONDUIT	47.0
0.3830 0.0120				
Pipe_-(84)	Structure_-(89)	Structure_-(88)	CONDUIT	27.4
0.3283 0.0120				
Pipe_-(85)	Structure_-(90)	Structure_-(89)	CONDUIT	102.0
0.1353 0.0120				
Pipe_-(87)	Structure_-(92)	Structure_-(90)	CONDUIT	49.7
2.2377 0.0120				
Pipe_-(88)	Structure_-(93)	Structure_-(92)	CONDUIT	74.6

0.4824	0.0120	Pipe_-(89)	Structure_-(94)	Structure_-(93)	CONDUIT	42.4
0.4011	0.0120	Pipe_-(9)	Structure_-(9)	Structure_-(10)	CONDUIT	265.4
0.0301	0.0140	Pipe_-(90)	Structure_-(95)	Structure_-(94)	CONDUIT	16.9
0.1064	0.0120	Pipe_-(91)	Structure_-(408)	Structure_-(95)	CONDUIT	30.5
0.0722	0.0120	Pipe_-(92)	Structure_-(97)	Structure_-(96)	CONDUIT	118.4
0.2957	0.0120	Pipe_-(93)	Structure_-(495)	Structure_-(97)	CONDUIT	29.5
0.3049	0.0120	Pipe_-(94)	Structure_-(99)	Structure_-(98)	CONDUIT	63.1
0.3013	0.0120	Pipe_-(95)	Structure_-(100)	Structure_-(99)	CONDUIT	98.8
0.3036	0.0120	Pipe_-(96)	Structure_-(101)	Structure_-(100)	CONDUIT	16.8
0.2977	0.0120	Pipe_-(97)	Structure_-(102)	Structure_-(99)	CONDUIT	59.7
0.3017	0.0120	Pipe_PS_A	Structure_-(373)	Structure_-(485)	CONDUIT	10.0
42.3538	0.0100	Pipe_PS_B	Structure602	Structure_-(47)	CONDUIT	280.0
0.0107	0.0140	Pipe468	SDMH301	Ditch5_Inlet	CONDUIT	77.0
0.0649	0.0120	Pipe483	SDCB294	Structure521	CONDUIT	80.1
0.9983	0.0120	PSC_Overflow	PSC_Sump	Structure_-(489)	CONDUIT	142.0
6.5350	0.0220	PSC_to_Outfall	PSC_Outlet	Structure_-(435)	CONDUIT	600.0
2.5075	0.0100	Roadside_Culvert	Roadside_Connection	Ditch9_10_11	CONDUIT	45.0
0.4889	0.0120	SU1-2_Force1	SU1-2_PSOut	SU1-2_J1	CONDUIT	420.0
0.0002	0.0100	SU1-2_Force2_1	SU1-2_J1	SU1-2_J1-2	CONDUIT	405.0
0.4938	0.0100	SU1-2_Force2_2	SU1-2_J1-2	SU1-2_J2	CONDUIT	1215.0
0.4938	0.0100	SU1-2_Force3	SU1-2_J2	Structure_-(431)	CONDUIT	450.0
1.6380	0.0100	SU1-2_SouthDitch	SU1-2_South	SU1-2_Central	CONDUIT	750.0
1.0667	0.0250	SU67-FM1	SU67-J1	SU67-J2	CONDUIT	1380.0
0.1884	0.0100	SU67-FM2	SU67-J2	SU67-J3	CONDUIT	600.0
0.2167	0.0100	SU67-FM3	SU67-J3	SU67-J4	CONDUIT	140.0
0.1429	0.0100	SU67-FM4	SU67-J4	SU67-J5	CONDUIT	225.0
1.3512	0.0100					

SU67-FM5	SU67-J5	SU67-J6	CONDUIT	225.0
0.4133 0.0100				
SU67-FM6	SU67-J6	SU67-J7	CONDUIT	110.0
0.4182 0.0100				
SU67-FM7	SU67-J7	77_Thickeners	CONDUIT	1240.0
0.0347 0.0100				
SU6-E	SU6-1E	Ditch9_10_11	CONDUIT	520.0
0.4231 0.0250				
SU6-SU7_2	Ditch11_12	PS_SU6-7	CONDUIT	65.0
0.5692 0.0120				
UDitch_Single	Ditch3_Out	UDitch_Out	CONDUIT	670.0
0.0746 0.0250				
UDitch_Transition	UDitch_Out	Ditch4_Out	CONDUIT	450.0
1.0001 0.0250				
004Pump1	PS004	Structure_-(23)	TYPE3 PUMP	
77Pump1	Facility77_Inlet	Facility77_PS	TYPE3 PUMP	
77Pump2	Facility77_Inlet	Facility77_PS	TYPE3 PUMP	
CPump1	PSC_Sump	PSC_Outlet	TYPE4 PUMP	
CPump2	PSC_Sump	PSC_Outlet	TYPE4 PUMP	
PumpSU7-1	PS_SU6-7	SU67-J1	TYPE4 PUMP	
SU1-2_Pump	SU1-2_PS	SU1-2_PSOut	TYPE4 PUMP	
W1	SU1-2_PS	SU1-2_Overflow	WEIR	
PondOutlet	RetenionPond	PSC_Sump	OUTLET	

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Cross Section Summary  
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of	Full		Full	Full	Hyd.	Max.	No.
Conduit	Flow	Shape	Depth	Area	Rad.	Width	
Barrels							
1	172_to_Inlet	CIRCULAR	4.00	12.57	1.00	4.00	
	3496.98						
1	278_to_PS_B	CIRCULAR	2.25	3.98	0.56	2.25	
	86.46						
1	381_to_PS77	RECT_CLOSED	3.00	51.90	1.28	17.30	
	239.39						
1	458_to_Inlet	CIRCULAR	1.67	2.18	0.42	1.67	
	239.93						
1	469_to_Inlet	CIRCULAR	2.00	3.14	0.50	2.00	
	550.74						
1	C1_1	TRAPEZOIDAL	2.00	32.00	1.30	24.00	
	124.41						
1	C1_2	CIRCULAR	2.00	3.14	0.50	2.00	
	17.33						
1	Culvert11	CIRCULAR	2.00	3.14	0.50	2.00	
	20.87						
1	Culvert12	TRAPEZOIDAL	3.50	66.50	2.40	26.00	
	1428.06						

Culvert12a	TRAPEZOIDAL	3.50	66.50	2.40	26.00
1 269.87					
Ditch_77	TRAPEZOIDAL	1.30	36.54	0.92	39.42
1 22.12					
Ditch11	TRAPEZOIDAL	3.50	59.50	2.32	24.00
1 849.88					
Ditch12	TRAPEZOIDAL	3.50	66.50	2.40	26.00
1 274.79					
Ditch13	TRAPEZOIDAL	2.60	52.78	1.82	28.10
1 11.33					
Ditch14	TRAPEZOIDAL	1.30	36.54	0.92	39.42
1 113.27					
Ditch15	TRAPEZOIDAL	1.30	10.73	0.64	16.51
1 19.92					
Ditch16	TRAPEZOIDAL	1.90	39.71	0.95	41.80
1 120.37					
Ditch17	TRAPEZOIDAL	3.40	43.86	2.17	18.00
1 340.31					
Ditch18	TRAPEZOIDAL	3.20	39.04	1.88	19.40
1 281.37					
Ditch2	TRAPEZOIDAL	5.00	450.00	4.22	105.00
1 1952.52					
Ditch3	TRAPEZOIDAL	5.00	325.00	3.98	80.00
1 1356.45					
Ditch4_1	TRAPEZOIDAL	5.00	325.00	3.98	80.00
1 1315.95					
Ditch4_2	TRAPEZOIDAL	5.00	325.00	3.98	80.00
1 1315.95					
Ditch4_489	TRAPEZOIDAL	11.00	374.00	6.11	56.00
1 87.88					
Ditch5	TRAPEZOIDAL	4.90	104.86	3.13	31.20
1 420.61					
Ditch6	TRAPEZOIDAL	7.00	152.95	3.90	35.85
1 55.49					
Ditch7	TRAPEZOIDAL	6.00	130.80	3.54	34.10
1 713.90					
Ditch8	TRAPEZOIDAL	6.85	117.31	3.17	34.25
1 917.65					
Ditch9	TRAPEZOIDAL	3.50	35.00	1.88	17.00
1 211.85					
Facility73_to_Pond	FORCE_MAIN	1.33	1.40	0.33	1.33
1 3.46					
Pipe_-(1)	CIRCULAR	1.50	1.77	0.38	1.50
1 5.02					
Pipe_-(10)	CIRCULAR	3.00	7.07	0.75	3.00
1 5.34					
Pipe_-(10)-(1)	CIRCULAR	3.00	7.07	0.75	3.00
1 13.42					
Pipe_-(117)	CIRCULAR	1.75	2.41	0.44	1.75
1 22.50					
Pipe_-(118)	CIRCULAR	1.75	2.41	0.44	1.75
1 10.04					
Pipe_-(119)	CIRCULAR	1.75	2.41	0.44	1.75

1	16.34					
	Pipe_-(120)	CIRCULAR	1.25	1.23	0.31	1.25
1	3.29					
	Pipe_-(122)	CIRCULAR	1.25	1.23	0.31	1.25
1	4.94					
	Pipe_-(123)	CIRCULAR	1.00	0.79	0.25	1.00
1	3.44					
	Pipe_-(124)	CIRCULAR	1.00	0.79	0.25	1.00
1	2.43					
	Pipe_-(125)	CIRCULAR	1.00	0.79	0.25	1.00
1	4.40					
	Pipe_-(126)	CIRCULAR	1.00	0.79	0.25	1.00
1	5.06					
	Pipe_-(127)	CIRCULAR	1.25	1.23	0.31	1.25
1	4.86					
	Pipe_-(128)	CIRCULAR	1.00	0.79	0.25	1.00
1	3.41					
	Pipe_-(130)	CIRCULAR	1.00	0.79	0.25	1.00
1	5.75					
	Pipe_-(133)	CIRCULAR	1.00	0.79	0.25	1.00
1	5.00					
	Pipe_-(134)	CIRCULAR	1.00	0.79	0.25	1.00
1	1.75					
	Pipe_-(135)	CIRCULAR	1.00	0.79	0.25	1.00
1	1.76					
	Pipe_-(136)	CIRCULAR	1.00	0.79	0.25	1.00
1	7.18					
	Pipe_-(137)	CIRCULAR	1.00	0.79	0.25	1.00
1	6.68					
	Pipe_-(138)	CIRCULAR	1.00	0.79	0.25	1.00
1	6.69					
	Pipe_-(153)	CIRCULAR	1.00	0.79	0.25	1.00
1	3.45					
	Pipe_-(154)	CIRCULAR	1.25	1.23	0.31	1.25
1	6.35					
	Pipe_-(155)	CIRCULAR	1.50	1.77	0.38	1.50
1	8.07					
	Pipe_-(156)	CIRCULAR	1.75	2.41	0.44	1.75
1	9.91					
	Pipe_-(157)	CIRCULAR	1.75	2.41	0.44	1.75
1	10.81					
	Pipe_-(158)	CIRCULAR	1.75	2.41	0.44	1.75
1	10.15					
	Pipe_-(159)	CIRCULAR	1.75	2.41	0.44	1.75
1	14.77					
	Pipe_-(160)	CIRCULAR	2.00	3.14	0.50	2.00
1	10.93					
	Pipe_-(161)	CIRCULAR	2.00	3.14	0.50	2.00
1	10.72					
	Pipe_-(162)	CIRCULAR	2.00	3.14	0.50	2.00
1	69.11					
	Pipe_-(163)	CIRCULAR	4.00	12.57	1.00	4.00
1	140.48					



1	Pipe_-(164)	CIRCULAR	2.75	5.94	0.69	2.75
1	102.81					
1	Pipe_-(165)	CIRCULAR	2.00	3.14	0.50	2.00
1	19.67					
1	Pipe_-(166)	CIRCULAR	1.50	1.77	0.38	1.50
1	5.77					
1	Pipe_-(167)	CIRCULAR	1.50	1.77	0.38	1.50
1	10.29					
1	Pipe_-(168)	CIRCULAR	1.50	1.77	0.38	1.50
1	7.20					
1	Pipe_-(169)	CIRCULAR	1.50	1.77	0.38	1.50
1	7.57					
1	Pipe_-(170)	CIRCULAR	1.25	1.23	0.31	1.25
1	4.67					
1	Pipe_-(171)	CIRCULAR	1.25	1.23	0.31	1.25
1	2.22					
1	Pipe_-(172)	CIRCULAR	1.00	0.79	0.25	1.00
1	3.07					
1	Pipe_-(18)	CIRCULAR	1.75	2.41	0.44	1.75
1	8.13					
1	Pipe_-(19)	CIRCULAR	1.50	1.77	0.38	1.50
1	5.09					
1	Pipe_-(196)	CIRCULAR	2.00	3.14	0.50	2.00
1	47.37					
1	Pipe_-(197)	CIRCULAR	2.00	3.14	0.50	2.00
1	10.84					
1	Pipe_-(198)	CIRCULAR	2.00	3.14	0.50	2.00
1	15.77					
1	Pipe_-(199)	CIRCULAR	1.75	2.41	0.44	1.75
1	14.77					
1	Pipe_-(2)	CIRCULAR	1.50	1.77	0.38	1.50
1	5.10					
1	Pipe_-(20)	CIRCULAR	1.50	1.77	0.38	1.50
1	5.07					
1	Pipe_-(200)	CIRCULAR	1.75	2.41	0.44	1.75
1	10.15					
1	Pipe_-(201)	CIRCULAR	1.75	2.41	0.44	1.75
1	10.26					
1	Pipe_-(202)	CIRCULAR	1.75	2.41	0.44	1.75
1	10.41					
1	Pipe_-(203)	CIRCULAR	1.50	1.77	0.38	1.50
1	8.07					
1	Pipe_-(204)	CIRCULAR	1.25	1.23	0.31	1.25
1	6.35					
1	Pipe_-(205)	CIRCULAR	1.00	0.79	0.25	1.00
1	3.45					
1	Pipe_-(206)	CIRCULAR	2.00	3.14	0.50	2.00
1	57.73					
1	Pipe_-(207)	CIRCULAR	2.00	3.14	0.50	2.00
1	10.72					
1	Pipe_-(208)	CIRCULAR	2.00	3.14	0.50	2.00
1	18.41					
1	Pipe_-(209)	CIRCULAR	2.00	3.14	0.50	2.00

1	17.40					
	Pipe_-(210)	CIRCULAR	1.75	2.41	0.44	1.75
1	13.58					
	Pipe_-(211)	CIRCULAR	1.75	2.41	0.44	1.75
1	12.23					
	Pipe_-(212)	CIRCULAR	1.75	2.41	0.44	1.75
1	11.62					
	Pipe_-(213)	CIRCULAR	1.75	2.41	0.44	1.75
1	11.10					
	Pipe_-(214)	CIRCULAR	1.50	1.77	0.38	1.50
1	8.21					
	Pipe_-(215)	CIRCULAR	1.25	1.23	0.31	1.25
1	4.95					
	Pipe_-(22)	FORCE_MAIN	0.25	0.05	0.06	0.25
1	0.05					
	Pipe_-(221)	CIRCULAR	3.00	7.07	0.75	3.00
1	98.66					
	Pipe_-(222)	CIRCULAR	2.50	4.91	0.63	2.50
1	55.06					
	Pipe_-(223)	CIRCULAR	2.00	3.14	0.50	2.00
1	25.18					
	Pipe_-(224)	CIRCULAR	2.00	3.14	0.50	2.00
1	18.99					
	Pipe_-(225)	CIRCULAR	2.00	3.14	0.50	2.00
1	20.49					
	Pipe_-(226)	CIRCULAR	1.75	2.41	0.44	1.75
1	14.77					
	Pipe_-(227)	CIRCULAR	1.75	2.41	0.44	1.75
1	10.15					
	Pipe_-(228)	CIRCULAR	1.75	2.41	0.44	1.75
1	11.08					
	Pipe_-(229)	CIRCULAR	1.75	2.41	0.44	1.75
1	9.71					
	Pipe_-(23)	FORCE_MAIN	0.50	0.20	0.13	0.50
1	0.29					
	Pipe_-(230)	CIRCULAR	1.50	1.77	0.38	1.50
1	8.07					
	Pipe_-(231)	CIRCULAR	1.25	1.23	0.31	1.25
1	6.62					
	Pipe_-(232)	CIRCULAR	1.00	0.79	0.25	1.00
1	3.33					
	Pipe_-(234)	CIRCULAR	1.50	1.77	0.38	1.50
1	7.85					
	Pipe_-(235)	CIRCULAR	1.50	1.77	0.38	1.50
1	11.72					
	Pipe_-(236)	CIRCULAR	1.50	1.77	0.38	1.50
1	5.98					
	Pipe_-(237)	CIRCULAR	2.00	3.14	0.50	2.00
1	87.40					
	Pipe_-(238)	CIRCULAR	2.00	3.14	0.50	2.00
1	11.36					
	Pipe_-(239)	CIRCULAR	2.00	3.14	0.50	2.00
1	15.77					

1	Pipe_-(24)	FORCE_MAIN	0.50	0.20	0.13	0.50
	0.29					
1	Pipe_-(240)	CIRCULAR	1.75	2.41	0.44	1.75
	14.77					
1	Pipe_-(241)	CIRCULAR	1.75	2.41	0.44	1.75
	10.15					
1	Pipe_-(242)	CIRCULAR	1.75	2.41	0.44	1.75
	10.81					
1	Pipe_-(243)	CIRCULAR	1.75	2.41	0.44	1.75
	9.91					
1	Pipe_-(244)	CIRCULAR	1.50	1.77	0.38	1.50
	7.93					
1	Pipe_-(245)	CIRCULAR	1.25	1.23	0.31	1.25
	6.44					
1	Pipe_-(246)	CIRCULAR	1.00	0.79	0.25	1.00
	3.45					
1	Pipe_-(247)	CIRCULAR	2.00	3.14	0.50	2.00
	104.84					
1	Pipe_-(248)	CIRCULAR	2.00	3.14	0.50	2.00
	10.72					
1	Pipe_-(249)	CIRCULAR	2.00	3.14	0.50	2.00
	18.41					
1	Pipe_-(25)	FORCE_MAIN	0.50	0.20	0.13	0.50
	0.29					
1	Pipe_-(250)	CIRCULAR	2.00	3.14	0.50	2.00
	17.40					
1	Pipe_-(251)	CIRCULAR	1.75	2.41	0.44	1.75
	13.58					
1	Pipe_-(252)	CIRCULAR	1.75	2.41	0.44	1.75
	12.23					
1	Pipe_-(253)	CIRCULAR	1.75	2.41	0.44	1.75
	11.62					
1	Pipe_-(254)	CIRCULAR	1.75	2.41	0.44	1.75
	11.10					
1	Pipe_-(255)	CIRCULAR	1.50	1.77	0.38	1.50
	8.21					
1	Pipe_-(256)	CIRCULAR	1.25	1.23	0.31	1.25
	5.31					
1	Pipe_-(257)	CIRCULAR	1.00	0.79	0.25	1.00
	2.75					
1	Pipe_-(258)	CIRCULAR	1.00	0.79	0.25	1.00
	0.25					
1	Pipe_-(259)	CIRCULAR	1.00	0.79	0.25	1.00
	2.66					
1	Pipe_-(26)	FORCE_MAIN	0.50	0.20	0.13	0.50
	0.30					
1	Pipe_-(260)	CIRCULAR	0.50	0.20	0.13	0.50
	0.53					
1	Pipe_-(261)	CIRCULAR	1.00	0.79	0.25	1.00
	2.64					
1	Pipe_-(264)	CIRCULAR	1.25	1.23	0.31	1.25
	2.66					
1	Pipe_-(265)	CIRCULAR	1.50	1.77	0.38	1.50

1	4.78					
	Pipe_-(266)	CIRCULAR	1.50	1.77	0.38	1.50
1	7.14					
	Pipe_-(267)	CIRCULAR	2.00	3.14	0.50	2.00
1	15.43					
	Pipe_-(268)	CIRCULAR	2.25	3.98	0.56	2.25
1	25.00					
	Pipe_-(27)	FORCE_MAIN	0.50	0.20	0.13	0.50
1	0.29					
	Pipe_-(277)	CIRCULAR	1.25	1.23	0.31	1.25
1	11.64					
	Pipe_-(278)	CIRCULAR	1.00	0.79	0.25	1.00
1	3.54					
	Pipe_-(28)	FORCE_MAIN	0.50	0.20	0.13	0.50
1	0.29					
	Pipe_-(285)	CIRCULAR	1.00	0.79	0.25	1.00
1	3.27					
	Pipe_-(288)	CIRCULAR	1.75	2.41	0.44	1.75
1	14.24					
	Pipe_-(29)	FORCE_MAIN	0.50	0.20	0.13	0.50
1	0.29					
	Pipe_-(295)	CIRCULAR	1.00	0.79	0.25	1.00
1	10.53					
	Pipe_-(296)	CIRCULAR	1.00	0.79	0.25	1.00
1	3.20					
	Pipe_-(3)	CIRCULAR	1.50	1.77	0.38	1.50
1	5.09					
	Pipe_-(30)	FORCE_MAIN	0.50	0.20	0.13	0.50
1	0.29					
	Pipe_-(307)	CIRCULAR	1.50	1.77	0.38	1.50
1	4.77					
	Pipe_-(308)	CIRCULAR	1.50	1.77	0.38	1.50
1	4.65					
	Pipe_-(309)	CIRCULAR	1.50	1.77	0.38	1.50
1	4.54					
	Pipe_-(31)	FORCE_MAIN	0.50	0.20	0.13	0.50
1	0.29					
	Pipe_-(310)	CIRCULAR	1.75	2.41	0.44	1.75
1	17.77					
	Pipe_-(311)	CIRCULAR	2.50	4.91	0.63	2.50
1	34.17					
	Pipe_-(312)	CIRCULAR	2.50	4.91	0.63	2.50
1	22.34					
	Pipe_-(313)	CIRCULAR	1.25	1.23	0.31	1.25
1	1.46					
	Pipe_-(314)	CIRCULAR	1.00	0.79	0.25	1.00
1	3.93					
	Pipe_-(319)	CIRCULAR	0.50	0.20	0.13	0.50
1	1.40					
	Pipe_-(32)	FORCE_MAIN	0.50	0.20	0.13	0.50
1	0.29					
	Pipe_-(320)	CIRCULAR	0.50	0.20	0.13	0.50
1	1.59					

1	Pipe_-(321)	CIRCULAR	1.25	1.23	0.31	1.25
	12.78					
1	Pipe_-(322)	CIRCULAR	1.25	1.23	0.31	1.25
	4.98					
1	Pipe_-(323)	CIRCULAR	1.00	0.79	0.25	1.00
	1.36					
1	Pipe_-(327)	CIRCULAR	1.50	1.77	0.38	1.50
	5.48					
1	Pipe_-(328)	CIRCULAR	1.25	1.23	0.31	1.25
	5.69					
1	Pipe_-(329)	CIRCULAR	1.00	0.79	0.25	1.00
	4.53					
1	Pipe_-(33)	FORCE_MAIN	0.50	0.20	0.13	0.50
	0.29					
1	Pipe_-(331)	CIRCULAR	1.00	0.79	0.25	1.00
	5.72					
1	Pipe_-(333)	CIRCULAR	1.00	0.79	0.25	1.00
	1.39					
1	Pipe_-(334)	CIRCULAR	1.00	0.79	0.25	1.00
	8.07					
1	Pipe_-(337)	CIRCULAR	4.00	12.57	1.00	4.00
	21.70					
1	Pipe_-(338)	CIRCULAR	4.00	12.57	1.00	4.00
	23.58					
1	Pipe_-(34)	FORCE_MAIN	0.50	0.20	0.13	0.50
	0.29					
1	Pipe_-(340)	CIRCULAR	2.00	3.14	0.50	2.00
	51.87					
1	Pipe_-(35)	CIRCULAR	3.50	9.62	0.88	3.50
	48.34					
1	Pipe_-(358)	CIRCULAR	1.50	1.77	0.38	1.50
	9.53					
1	Pipe_-(359)	CIRCULAR	1.50	1.77	0.38	1.50
	7.48					
1	Pipe_-(36)	CIRCULAR	3.50	9.62	0.88	3.50
	48.45					
1	Pipe_-(360)	CIRCULAR	1.50	1.77	0.38	1.50
	6.67					
1	Pipe_-(361)	CIRCULAR	0.67	0.35	0.17	0.67
	1.31					
1	Pipe_-(362)	CIRCULAR	0.67	0.35	0.17	0.67
	1.47					
1	Pipe_-(363)	CIRCULAR	0.67	0.35	0.17	0.67
	1.27					
1	Pipe_-(364)	CIRCULAR	1.00	0.79	0.25	1.00
	3.38					
1	Pipe_-(365)	CIRCULAR	1.00	0.79	0.25	1.00
	11.92					
1	Pipe_-(366)	CIRCULAR	3.50	9.62	0.88	3.50
	88.93					
1	Pipe_-(367)	CIRCULAR	3.50	9.62	0.88	3.50
	53.14					
1	Pipe_-(369)	CIRCULAR	0.67	0.35	0.17	0.67

1	6.20					
	Pipe_-(37)	CIRCULAR	3.50	9.62	0.88	3.50
1	47.97					
	Pipe_-(370)	CIRCULAR	3.00	7.07	0.75	3.00
1	6.27					
	Pipe_-(374)	CIRCULAR	1.00	0.79	0.25	1.00
1	0.06					
	Pipe_-(375)	CIRCULAR	1.00	0.79	0.25	1.00
1	1.13					
	Pipe_-(376)	CIRCULAR	1.33	1.40	0.33	1.33
1	4.46					
	Pipe_-(377)	CIRCULAR	1.50	1.77	0.38	1.50
1	10.21					
	Pipe_-(378)	CIRCULAR	1.50	1.77	0.38	1.50
1	16.91					
	Pipe_-(379)	CIRCULAR	1.50	1.77	0.38	1.50
1	16.90					
	Pipe_-(38)	CIRCULAR	3.50	9.62	0.88	3.50
1	48.56					
	Pipe_-(380)	CIRCULAR	1.00	0.79	0.25	1.00
1	5.30					
	Pipe_-(381)	CIRCULAR	1.50	1.77	0.38	1.50
1	39.67					
	Pipe_-(382)	CIRCULAR	0.67	0.35	0.17	0.67
1	2.04					
	Pipe_-(383)	CIRCULAR	0.67	0.35	0.17	0.67
1	2.05					
	Pipe_-(384)	CIRCULAR	1.00	0.79	0.25	1.00
1	4.94					
	Pipe_-(385)	CIRCULAR	0.67	0.35	0.17	0.67
1	1.72					
	Pipe_-(386)	CIRCULAR	0.67	0.35	0.17	0.67
1	2.04					
	Pipe_-(387)	CIRCULAR	0.67	0.35	0.17	0.67
1	2.22					
	Pipe_-(389)	CIRCULAR	0.67	0.35	0.17	0.67
1	6.33					
	Pipe_-(39)	CIRCULAR	3.50	9.62	0.88	3.50
1	149.88					
	Pipe_-(390)	CIRCULAR	1.50	1.77	0.38	1.50
1	6.15					
	Pipe_-(4)	CIRCULAR	2.00	3.14	0.50	2.00
1	10.93					
	Pipe_-(40)	CIRCULAR	3.50	9.62	0.88	3.50
1	34.45					
	Pipe_-(404)	CIRCULAR	1.00	0.79	0.25	1.00
1	7.57					
	Pipe_-(405)	CIRCULAR	1.00	0.79	0.25	1.00
1	2.49					
	Pipe_-(408)	FORCE_MAIN	2.50	4.91	0.63	2.50
1	61.15					
	Pipe_-(409)	FORCE_MAIN	2.50	4.91	0.63	2.50
1	41.96					

1	Pipe_-(41)	CIRCULAR	3.50	9.62	0.88	3.50
	56.89					
1	Pipe_-(410)	FORCE_MAIN	2.50	4.91	0.63	2.50
	42.44					
1	Pipe_-(411)	FORCE_MAIN	2.50	4.91	0.63	2.50
	42.16					
1	Pipe_-(412)	FORCE_MAIN	2.50	4.91	0.63	2.50
	35.55					
1	Pipe_-(42)	CIRCULAR	3.50	9.62	0.88	3.50
	48.34					
1	Pipe_-(423)	FORCE_MAIN	1.50	1.77	0.38	1.50
	11.24					
1	Pipe_-(424)	FORCE_MAIN	1.50	1.77	0.38	1.50
	11.10					
1	Pipe_-(425)	FORCE_MAIN	1.50	1.77	0.38	1.50
	11.22					
1	Pipe_-(426)	FORCE_MAIN	1.50	1.77	0.38	1.50
	11.20					
1	Pipe_-(427)	FORCE_MAIN	1.50	1.77	0.38	1.50
	11.00					
1	Pipe_-(429)	CIRCULAR	1.50	1.77	0.38	1.50
	2.81					
1	Pipe_-(43)	CIRCULAR	3.50	9.62	0.88	3.50
	50.01					
1	Pipe_-(430)	CIRCULAR	1.50	1.77	0.38	1.50
	2.99					
1	Pipe_-(431)	CIRCULAR	1.50	1.77	0.38	1.50
	4.80					
1	Pipe_-(432)	CIRCULAR	1.67	2.18	0.42	1.67
	6.52					
1	Pipe_-(433)	CIRCULAR	1.67	2.18	0.42	1.67
	4.79					
1	Pipe_-(434)	FORCE_MAIN	1.67	2.18	0.42	1.67
	13.75					
1	Pipe_-(435)	FORCE_MAIN	1.67	2.18	0.42	1.67
	13.50					
1	Pipe_-(436)	FORCE_MAIN	1.67	2.18	0.42	1.67
	15.14					
1	Pipe_-(437)	FORCE_MAIN	1.67	2.18	0.42	1.67
	13.48					
1	Pipe_-(438)	FORCE_MAIN	1.67	2.18	0.42	1.67
	13.75					
1	Pipe_-(439)	FORCE_MAIN	1.67	2.18	0.42	1.67
	304.16					
1	Pipe_-(44)	CIRCULAR	3.50	9.62	0.88	3.50
	49.46					
1	Pipe_-(443)	CIRCULAR	2.00	3.14	0.50	2.00
	46.32					
1	Pipe_-(444)	CIRCULAR	2.00	3.14	0.50	2.00
	16.38					
1	Pipe_-(445)	CIRCULAR	2.00	3.14	0.50	2.00
	17.03					
1	Pipe_-(446)	CIRCULAR	2.00	3.14	0.50	2.00

1	17.63					
	Pipe_-(447)	CIRCULAR	1.25	1.23	0.31	1.25
1	5.78					
	Pipe_-(448)	CIRCULAR	1.25	1.23	0.31	1.25
1	5.93					
	Pipe_-(449)	CIRCULAR	1.25	1.23	0.31	1.25
1	5.95					
	Pipe_-(45)	ARCH	3.33	14.23	1.00	5.42
1	58.96					
	Pipe_-(450)	CIRCULAR	3.00	7.07	0.75	3.00
1	15.15					
	Pipe_-(452)	CIRCULAR	1.50	1.77	0.38	1.50
1	0.82					
	Pipe_-(453)	CIRCULAR	1.50	1.77	0.38	1.50
1	3.22					
	Pipe_-(454)	CIRCULAR	1.50	1.77	0.38	1.50
1	2.94					
	Pipe_-(455)	CIRCULAR	1.50	1.77	0.38	1.50
1	9.18					
	Pipe_-(456)	CIRCULAR	1.50	1.77	0.38	1.50
1	5.24					
	Pipe_-(460)	CIRCULAR	0.50	0.20	0.13	0.50
1	0.51					
	Pipe_-(461)	CIRCULAR	3.00	7.07	0.75	3.00
1	1.55					
	Pipe_-(462)	CIRCULAR	3.00	7.07	0.75	3.00
1	34.64					
	Pipe_-(467)	CIRCULAR	4.00	12.57	1.00	4.00
1	41.18					
	Pipe_-(47)	ARCH	3.33	14.23	1.00	5.42
1	75.04					
	Pipe_-(474)	CIRCULAR	1.50	1.77	0.38	1.50
1	6.24					
	Pipe_-(49)	ARCH	3.33	14.23	1.00	5.42
1	53.10					
	Pipe_-(5)	CIRCULAR	2.00	3.14	0.50	2.00
1	10.93					
	Pipe_-(50)	ARCH	3.33	14.23	1.00	5.42
1	44.28					
	Pipe_-(51)	ARCH	3.33	14.23	1.00	5.42
1	8.01					
	Pipe_-(52)	ARCH	3.33	14.23	1.00	5.42
1	20.13					
	Pipe_-(53)	ARCH	3.33	14.23	1.00	5.42
1	53.62					
	Pipe_-(54)	CIRCULAR	1.50	1.77	0.38	1.50
1	5.08					
	Pipe_-(55)	CIRCULAR	1.50	1.77	0.38	1.50
1	4.99					
	Pipe_-(56)	CIRCULAR	1.50	1.77	0.38	1.50
1	5.10					
	Pipe_-(57)	CIRCULAR	1.50	1.77	0.38	1.50
1	5.09					



1	Pipe_-(58)	CIRCULAR	1.50	1.77	0.38	1.50
	5.19					
1	Pipe_-(59)	CIRCULAR	1.50	1.77	0.38	1.50
	5.07					
1	Pipe_-(6)	CIRCULAR	2.00	3.14	0.50	2.00
	11.00					
1	Pipe_-(60)	CIRCULAR	1.50	1.77	0.38	1.50
	5.08					
1	Pipe_-(65)	CIRCULAR	1.50	1.77	0.38	1.50
	5.09					
1	Pipe_-(66)	CIRCULAR	1.50	1.77	0.38	1.50
	16.29					
1	Pipe_-(67)	CIRCULAR	1.50	1.77	0.38	1.50
	5.07					
1	Pipe_-(68)	CIRCULAR	1.50	1.77	0.38	1.50
	5.10					
1	Pipe_-(69)	CIRCULAR	1.50	1.77	0.38	1.50
	5.09					
1	Pipe_-(7)	CIRCULAR	2.50	4.91	0.63	2.50
	17.26					
1	Pipe_-(70)	CIRCULAR	1.50	1.77	0.38	1.50
	5.09					
1	Pipe_-(71)	CIRCULAR	1.50	1.77	0.38	1.50
	5.09					
1	Pipe_-(72)	CIRCULAR	1.50	1.77	0.38	1.50
	5.09					
1	Pipe_-(73)	CIRCULAR	1.25	1.23	0.31	1.25
	3.13					
1	Pipe_-(74)	CIRCULAR	1.50	1.77	0.38	1.50
	4.98					
1	Pipe_-(75)	CIRCULAR	1.50	1.77	0.38	1.50
	5.12					
1	Pipe_-(76)	CIRCULAR	1.50	1.77	0.38	1.50
	5.09					
1	Pipe_-(77)	CIRCULAR	1.50	1.77	0.38	1.50
	5.09					
1	Pipe_-(78)	CIRCULAR	1.50	1.77	0.38	1.50
	5.09					
1	Pipe_-(79)	CIRCULAR	1.50	1.77	0.38	1.50
	5.09					
1	Pipe_-(8)	CIRCULAR	2.50	4.91	0.63	2.50
	17.15					
1	Pipe_-(80)	CIRCULAR	1.25	1.23	0.31	1.25
	3.13					
1	Pipe_-(81)	CIRCULAR	2.00	3.14	0.50	2.00
	43.38					
1	Pipe_-(82)	CIRCULAR	2.00	3.14	0.50	2.00
	14.65					
1	Pipe_-(83)	CIRCULAR	2.00	3.14	0.50	2.00
	15.17					
1	Pipe_-(84)	CIRCULAR	2.00	3.14	0.50	2.00
	14.04					
	Pipe_-(85)	CIRCULAR	1.75	2.41	0.44	1.75

1	6.31					
	Pipe_-(87)	CIRCULAR	1.75	2.41	0.44	1.75
1	25.68					
	Pipe_-(88)	CIRCULAR	1.75	2.41	0.44	1.75
1	11.92					
	Pipe_-(89)	CIRCULAR	1.75	2.41	0.44	1.75
1	10.87					
	Pipe_-(9)	CIRCULAR	2.50	4.91	0.63	2.50
1	6.61					
	Pipe_-(90)	CIRCULAR	1.75	2.41	0.44	1.75
1	5.60					
	Pipe_-(91)	CIRCULAR	1.50	1.77	0.38	1.50
1	3.06					
	Pipe_-(92)	CIRCULAR	1.50	1.77	0.38	1.50
1	6.19					
	Pipe_-(93)	CIRCULAR	1.50	1.77	0.38	1.50
1	6.28					
	Pipe_-(94)	CIRCULAR	1.50	1.77	0.38	1.50
1	6.25					
	Pipe_-(95)	CIRCULAR	1.50	1.77	0.38	1.50
1	6.27					
	Pipe_-(96)	CIRCULAR	1.50	1.77	0.38	1.50
1	6.21					
	Pipe_-(97)	CIRCULAR	1.50	1.77	0.38	1.50
1	6.25					
	Pipe_PS_A	CIRCULAR	1.50	1.77	0.38	1.50
1	88.87					
	Pipe_PS_B	CIRCULAR	2.50	4.91	0.63	2.50
1	3.94					
	Pipe468	CIRCULAR	2.00	3.14	0.50	2.00
1	6.25					
	Pipe483	CIRCULAR	1.00	0.79	0.25	1.00
1	3.86					
	PSC_Overflow	CIRCULAR	1.17	1.07	0.29	1.17
1	8.12					
	PSC_to_Outfall	FORCE_MAIN	1.67	2.18	0.42	1.67
1	25.78					
	Roadside_Culvert	CIRCULAR	2.00	3.14	0.50	2.00
1	17.14					
	SU1-2_Force1	FORCE_MAIN	0.99	0.77	0.25	0.99
1	0.06					
	SU1-2_Force2_1	FORCE_MAIN	0.99	0.77	0.25	0.99
1	3.57					
	SU1-2_Force2_2	FORCE_MAIN	0.99	0.77	0.25	0.99
1	3.57					
	SU1-2_Force3	FORCE_MAIN	0.99	0.77	0.25	0.99
1	6.82					
	SU1-2_SouthDitch	TRAPEZOIDAL	4.00	64.00	2.47	24.00
1	718.35					
	SU67-FM1	FORCE_MAIN	1.25	1.22	0.31	1.25
1	3.82					
	SU67-FM2	FORCE_MAIN	1.25	1.22	0.31	1.25
1	4.12					

	SU67-FM3	FORCE_MAIN	1.25	1.22	0.31	1.25
1	3.29					
	SU67-FM4	FORCE_MAIN	1.25	1.22	0.31	1.25
1	11.08					
	SU67-FM5	FORCE_MAIN	1.25	1.22	0.31	1.25
1	5.85					
	SU67-FM6	FORCE_MAIN	1.25	1.22	0.31	1.25
1	5.88					
	SU67-FM7	FORCE_MAIN	1.25	1.22	0.31	1.25
1	1.53					
	SU6-E	TRAPEZOIDAL	2.00	28.00	1.35	20.00
1	132.33					
	SU6-SU7_2	CIRCULAR	2.00	3.14	0.50	2.00
1	18.49					
	UDitch_Single	TRAPEZOIDAL	5.00	825.00	4.54	180.00
1	3674.26					
	UDitch_Transition	TRAPEZOIDAL	14.00	938.00	8.26	109.00
1	22785.16					

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NOTE: The summary statistics displayed in this report are based on results found at every computational time step, not just on results from each reporting time step.  
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#### Analysis Options

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Flow Units ..... CFS  
Process Models:  
  Rainfall/Runoff ..... YES  
  RDII ..... NO  
  Snowmelt ..... NO  
  Groundwater ..... NO  
  Flow Routing ..... YES  
  Ponding Allowed ..... YES  
  Water Quality ..... NO  
Infiltration Method ..... HORTON  
Flow Routing Method ..... DYNWAVE  
Surcharge Method ..... EXTRAN  
Starting Date ..... 01/05/2002 12:00:00  
Ending Date ..... 01/07/2002 12:00:00  
Antecedent Dry Days ..... 0.0  
Report Time Step ..... 00:01:00  
Wet Time Step ..... 00:05:00  
Dry Time Step ..... 00:05:00  
Routing Time Step ..... 1.00 sec  
Variable Time Step ..... YES  
Maximum Trials ..... 8  
Number of Threads ..... 2  
Head Tolerance ..... 0.005000 ft

*****	Volume	Depth
Runoff Quantity Continuity	acre-feet	inches
*****	-----	-----
Total Precipitation .....	0.000	0.000
Evaporation Loss .....	0.000	0.000
Infiltration Loss .....	0.000	0.000
Surface Runoff .....	0.000	0.000
Final Storage .....	0.000	0.000
Continuity Error (%) .....	0.000	

*****	Volume	Volume
Flow Routing Continuity	acre-feet	10^6 gal
*****	-----	-----
Dry Weather Inflow .....	0.000	0.000
Wet Weather Inflow .....	0.000	0.000
Groundwater Inflow .....	0.000	0.000
RDII Inflow .....	0.000	0.000
External Inflow .....	29.237	9.527
External Outflow .....	21.442	6.987
Flooding Loss .....	0.000	0.000
Evaporation Loss .....	0.000	0.000
Exfiltration Loss .....	0.000	0.000
Initial Stored Volume ....	6.074	1.979
Final Stored Volume .....	13.568	4.421
Continuity Error (%) .....	0.849	

\*\*\*\*\*  
Highest Continuity Errors  
\*\*\*\*\*  
Node Structure\_-(481) (32.84%)  
Node Structure\_-(453) (26.47%)  
Node Ditch4\_Out (13.51%)  
Node Structure\_-(458) (7.91%)  
Node Structure\_-(483) (7.09%)

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Time-Step Critical Elements  
\*\*\*\*\*  
Link 381\_to\_PS77 (35.70%)  
Link 469\_to\_Inlet (8.23%)  
Link Pipe\_-(412) (8.21%)  
Link Pipe\_-(22) (4.40%)  
Link 458\_to\_Inlet (3.57%)

\*\*\*\*\*  
Highest Flow Instability Indexes  
\*\*\*\*\*

Link 469\_to\_Inlet (66)  
 Link 458\_to\_Inlet (53)  
 Link Pipe\_-(462) (52)  
 Link Pipe\_-(461) (51)  
 Link Pipe\_-(247) (50)

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Routing Time Step Summary

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Minimum Time Step : 0.36 sec  
 Average Time Step : 0.69 sec  
 Maximum Time Step : 1.00 sec  
 Percent in Steady State : -0.00  
 Average Iterations per Step : 5.00  
 Percent Not Converging : 30.74  
 Time Step Frequencies :  
     1.000 - 0.871 sec : 37.61 %  
     0.871 - 0.758 sec : 0.04 %  
     0.758 - 0.660 sec : 0.03 %  
     0.660 - 0.574 sec : 0.03 %  
     0.574 - 0.500 sec : 62.29 %

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Subcatchment Runoff Summary

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Perv	Total	Total	Total	Total	Total	Total	Imperv
Runoff	Runoff	Total	Peak	Runoff	Evap	Infil	Runoff
Subcatchment	in	Precip	Runon	Coeff	in	in	in
in	in	in	in				
-----							
2.1		0.00	0.00		0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.000			
2.2		0.00	0.00		0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.000			
2.3		0.00	0.00		0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.000			
2.4		0.00	0.00		0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.000			
3		0.00	0.00		0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.000			
5		0.00	0.00		0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.000			
A		0.00	0.00		0.00	0.00	0.00

	0.00	0.00	0.00	0.00	0.000			
B			0.00	0.00	0.000	0.00	0.00	0.00
C			0.00	0.00	0.000	0.00	0.00	0.00
D			0.00	0.00	0.000	0.00	0.00	0.00
E			0.00	0.00	0.000	0.00	0.00	0.00
F			0.00	0.00	0.000	0.00	0.00	0.00
G			0.00	0.00	0.000	0.00	0.00	0.00
H			0.00	0.00	0.000	0.00	0.00	0.00

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Node Depth Summary  
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Reported Depth Node Feet	Type	Average Depth Feet	Maximum Depth Feet	Maximum HGL Feet	Time of Max Occurrence days hr:min	Max
CB19 1.50	JUNCTION	0.14	1.51	8.13	1 04:00	
CB22 1.16	JUNCTION	0.19	1.17	7.19	1 04:00	
CB30 0.66	JUNCTION	0.29	0.66	7.83	1 04:00	
CB31 1.03	JUNCTION	0.15	1.03	8.43	1 04:00	
CB33 0.34	JUNCTION	0.06	0.34	7.52	1 04:00	
Culvert_Ditch11 6.57	JUNCTION	2.31	6.61	9.32	1 04:57	
Culvert_Ditch12a 6.69	JUNCTION	2.41	6.69	9.29	1 04:59	
Culvert_Ditch12b 6.68	JUNCTION	2.40	6.68	9.29	1 04:59	
Culvert_Ditch12c 6.29	JUNCTION	2.06	6.29	9.29	1 05:00	
Ditch1_2 0.00	JUNCTION	0.00	0.00	9.00	0 00:00	

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Ditch11_12	JUNCTION	2.69	6.97	9.29	1	05:01
6.97						
Ditch12_18	JUNCTION	0.23	2.03	2.53	1	04:53
2.03						
Ditch14_15	JUNCTION	0.59	1.33	5.45	1	04:15
1.33						
Ditch15_16	JUNCTION	0.56	1.13	4.25	1	04:17
1.13						
Ditch16_17	JUNCTION	0.06	0.59	2.77	1	04:16
0.59						
Ditch17_5_6	JUNCTION	0.30	1.52	2.76	1	04:16
1.52						
Ditch2_3	JUNCTION	0.04	0.21	8.46	1	05:29
0.21						
Ditch3_Out	JUNCTION	0.06	0.46	8.46	1	05:32
0.46						
Ditch4_In	JUNCTION	0.05	0.26	9.26	1	04:01
0.26						
Ditch4_Out	JUNCTION	2.57	5.46	8.46	1	05:29
5.46						
Ditch5_Inlet	JUNCTION	0.14	1.01	3.26	1	04:08
1.01						
Ditch6_7	JUNCTION	0.26	1.36	2.60	1	04:18
1.36						
Ditch7_8	JUNCTION	0.59	2.02	-0.30	1	04:17
2.02						
Ditch9_10_11	JUNCTION	2.08	6.30	9.30	1	04:59
6.30						
Ditch9_Inlet	JUNCTION	0.08	0.51	10.96	1	03:52
0.51						
Facility77_PS	JUNCTION	16.34	46.39	54.69	1	06:45
46.39						
PS004	JUNCTION	1.77	4.53	2.53	1	04:52
4.53						
PSC_Outlet	JUNCTION	14.31	49.90	61.40	1	12:44
49.90						
Roadside_Connection	JUNCTION	1.89	6.08	9.30	1	04:58
6.08						
SDCB294	JUNCTION	0.35	2.12	4.65	1	04:02
2.12						
SDCB541	JUNCTION	0.84	1.89	7.20	1	04:00
1.89						
SDCB543	JUNCTION	0.23	0.70	7.81	1	04:00
0.69						
SDCB6003	JUNCTION	0.29	1.86	4.79	1	04:01
1.85						
SDCB6005	JUNCTION	2.62	3.12	8.87	1	04:00
3.12						
SDMH297	JUNCTION	0.36	1.94	4.42	1	03:57
1.93						
SDMH299	JUNCTION	0.34	1.92	4.42	1	03:57
1.91						
SDMH301	JUNCTION	0.34	1.94	4.24	1	03:57

1.94							
SDMH538	JUNCTION	1.02	1.46	6.34	1	04:00	
1.46							
SDMH539	JUNCTION	0.94	2.11	5.64	1	04:00	
2.10							
SDMH540	JUNCTION	0.76	1.96	5.74	1	04:00	
1.96							
Structure_-(1)	JUNCTION	0.26	5.01	12.43	1	03:54	
2.62							
Structure_-(10)	JUNCTION	1.51	5.12	9.86	1	04:03	
5.06							
Structure_-(100)	JUNCTION	0.05	0.29	10.91	1	04:00	
0.29							
Structure_-(101)	JUNCTION	0.04	0.25	10.92	1	04:00	
0.25							
Structure_-(102)	JUNCTION	0.05	0.25	10.75	1	04:00	
0.25							
Structure_-(123)	JUNCTION	0.24	1.97	9.44	1	04:03	
1.96							
Structure_-(124)	JUNCTION	0.19	1.75	9.45	1	04:03	
1.74							
Structure_-(125)	JUNCTION	0.08	0.43	10.25	1	04:01	
0.43							
Structure_-(126)	JUNCTION	0.08	0.45	10.57	1	04:01	
0.45							
Structure_-(128)	JUNCTION	0.06	0.30	11.44	1	04:01	
0.30							
Structure_-(129)	JUNCTION	0.04	0.23	13.04	1	04:00	
0.23							
Structure_-(130)	JUNCTION	0.08	0.42	11.03	1	04:00	
0.42							
Structure_-(131)	JUNCTION	0.05	0.26	11.39	1	04:00	
0.26							
Structure_-(132)	JUNCTION	0.04	0.19	12.12	1	04:00	
0.19							
Structure_-(133)	JUNCTION	0.07	0.39	11.01	1	04:00	
0.39							
Structure_-(134)	JUNCTION	0.27	0.48	11.78	1	04:00	
0.48							
Structure_-(136)	JUNCTION	0.81	1.06	12.89	1	04:00	
1.06							
Structure_-(139)	JUNCTION	1.79	5.17	9.29	1	04:03	
5.09							
Structure_-(140)	JUNCTION	1.73	5.13	9.35	1	04:03	
5.06							
Structure_-(141)	JUNCTION	2.30	5.79	9.39	1	04:03	
5.71							
Structure_-(142)	JUNCTION	1.06	3.97	9.41	1	04:03	
3.88							
Structure_-(143)	JUNCTION	0.62	3.06	9.46	1	04:01	
2.94							
Structure_-(144)	JUNCTION	0.46	2.71	9.47	1	04:01	
2.58							



Structure_-(161)	JUNCTION	0.91	5.03	11.16	1	04:13
5.02						
Structure_-(162)	JUNCTION	1.30	5.03	10.28	1	04:31
5.02						
Structure_-(163)	JUNCTION	1.58	5.05	9.67	1	04:13
5.02						
Structure_-(164)	JUNCTION	1.87	5.16	9.19	1	04:20
5.13						
Structure_-(165)	JUNCTION	2.06	5.36	9.06	1	04:04
5.35						
Structure_-(166)	JUNCTION	2.28	5.70	9.05	1	04:04
5.67						
Structure_-(167)	JUNCTION	2.69	6.23	9.03	1	04:04
6.23						
Structure_-(168)	JUNCTION	3.15	6.84	8.99	1	04:03
6.83						
Structure_-(169)	JUNCTION	3.64	7.39	8.98	1	04:03
7.35						
Structure_-(170)	JUNCTION	3.80	7.59	8.99	1	04:03
7.54						
Structure_-(171)	JUNCTION	6.15	10.58	9.00	1	04:03
10.50						
Structure_-(172)	JUNCTION	7.35	12.40	9.40	1	20:11
12.01						
Structure_-(173)	JUNCTION	4.51	8.45	9.01	1	04:03
8.37						
Structure_-(174)	JUNCTION	4.04	7.93	9.03	1	04:03
7.87						
Structure_-(175)	JUNCTION	3.81	7.67	9.03	1	04:03
7.61						
Structure_-(176)	JUNCTION	2.91	6.61	9.05	1	04:03
6.55						
Structure_-(177)	JUNCTION	2.27	5.74	9.08	1	04:03
5.68						
Structure_-(178)	JUNCTION	1.68	4.76	9.10	1	04:03
4.70						
Structure_-(179)	JUNCTION	1.20	3.90	9.14	1	04:02
3.83						
Structure_-(180)	JUNCTION	1.84	4.57	9.16	1	04:03
4.49						
Structure_-(181)	JUNCTION	0.78	3.41	9.54	1	03:46
2.98						
Structure_-(19)	JUNCTION	1.27	4.81	9.86	1	04:03
4.73						
Structure_-(2)	JUNCTION	0.30	5.43	12.74	1	03:54
2.77						
Structure_-(20)	JUNCTION	0.92	5.00	10.77	1	14:11
4.09						
Structure_-(205)	JUNCTION	3.78	7.64	9.05	1	04:03
7.54						
Structure_-(206)	JUNCTION	3.62	7.41	8.99	1	04:03
7.40						
Structure_-(207)	JUNCTION	3.16	6.87	9.02	1	04:04

6.87	Structure_-(208)	JUNCTION	2.69	6.27	9.06	1	04:04
6.23	Structure_-(209)	JUNCTION	2.28	5.72	9.07	1	04:04
5.71	Structure_-(21)	JUNCTION	0.74	4.74	10.90	1	03:54
3.68	Structure_-(210)	JUNCTION	2.09	5.44	9.10	1	04:05
5.44	Structure_-(211)	JUNCTION	1.87	5.08	9.11	1	04:05
5.07	Structure_-(212)	JUNCTION	1.58	4.80	9.42	1	04:06
4.52	Structure_-(213)	JUNCTION	1.30	4.37	9.62	1	04:06
3.84	Structure_-(214)	JUNCTION	0.91	3.63	9.76	1	04:06
3.02	Structure_-(215)	JUNCTION	4.18	8.07	9.00	1	04:03
8.01	Structure_-(216)	JUNCTION	4.02	7.87	8.99	1	04:03
7.82	Structure_-(217)	JUNCTION	3.36	7.07	8.99	1	04:03
7.07	Structure_-(218)	JUNCTION	2.96	6.62	9.02	1	04:04
6.61	Structure_-(219)	JUNCTION	2.26	5.61	9.04	1	04:04
5.59	Structure_-(220)	JUNCTION	1.94	5.15	9.06	1	04:04
5.15	Structure_-(221)	JUNCTION	1.64	5.01	9.43	1	04:11
5.00	Structure_-(222)	JUNCTION	1.37	5.00	9.96	1	04:11
4.90	Structure_-(223)	JUNCTION	1.10	5.00	10.46	1	05:11
4.88	Structure_-(23)	JUNCTION	2.81	13.57	28.05	1	06:41
13.57	Structure_-(230)	JUNCTION	5.09	9.27	9.01	1	04:03
9.19	Structure_-(231)	JUNCTION	4.43	8.44	8.99	1	04:03
8.37	Structure_-(232)	JUNCTION	3.78	7.63	8.99	1	04:03
7.57	Structure_-(233)	JUNCTION	4.06	7.93	8.99	1	04:04
7.93	Structure_-(234)	JUNCTION	3.16	6.87	9.02	1	04:04
6.84	Structure_-(235)	JUNCTION	2.69	6.26	9.05	1	04:04
6.24	Structure_-(236)	JUNCTION	2.28	5.72	9.07	1	04:04
5.72	Structure_-(237)	JUNCTION	2.06	5.38	9.09	1	04:05
5.37							

Structure_-(238)	JUNCTION	1.87	5.08	9.11	1	04:05
5.05						
Structure_-(239)	JUNCTION	1.57	5.00	9.62	1	04:06
4.50						
Structure_-(24)	JUNCTION	0.99	5.10	19.57	1	09:30
5.10						
Structure_-(240)	JUNCTION	1.26	4.96	10.30	1	04:06
3.73						
Structure_-(241)	JUNCTION	0.91	5.00	11.13	1	04:06
2.99						
Structure_-(242)	JUNCTION	1.72	2.26	5.46	1	04:15
2.26						
Structure_-(243)	JUNCTION	1.23	1.84	5.60	1	03:42
1.80						
Structure_-(244)	JUNCTION	0.43	0.86	5.54	1	04:09
0.86						
Structure_-(245)	JUNCTION	0.22	0.63	5.58	1	04:06
0.63						
Structure_-(246)	JUNCTION	3.80	7.61	8.99	1	04:03
7.58						
Structure_-(247)	JUNCTION	3.63	7.39	8.97	1	04:03
7.38						
Structure_-(248)	JUNCTION	3.16	6.84	8.99	1	04:03
6.84						
Structure_-(249)	JUNCTION	2.69	6.23	9.02	1	04:04
6.21						
Structure_-(25)	JUNCTION	0.96	4.94	19.34	1	09:32
4.94						
Structure_-(250)	JUNCTION	2.28	5.70	9.05	1	04:04
5.69						
Structure_-(251)	JUNCTION	2.06	5.35	9.06	1	04:05
5.35						
Structure_-(252)	JUNCTION	1.87	5.05	9.08	1	04:05
5.04						
Structure_-(253)	JUNCTION	1.60	4.82	9.41	1	04:05
4.51						
Structure_-(254)	JUNCTION	1.30	4.38	9.63	1	04:05
3.80						
Structure_-(255)	JUNCTION	0.91	3.83	9.96	1	04:05
2.98						
Structure_-(256)	JUNCTION	4.18	8.07	9.00	1	04:03
8.01						
Structure_-(257)	JUNCTION	4.02	7.86	8.97	1	04:03
7.82						
Structure_-(258)	JUNCTION	3.35	7.09	9.00	1	04:03
7.09						
Structure_-(259)	JUNCTION	2.96	6.63	9.03	1	04:04
6.62						
Structure_-(26)	JUNCTION	0.88	4.46	18.54	1	09:39
4.46						
Structure_-(260)	JUNCTION	2.26	5.66	9.08	1	04:04
5.64						
Structure_-(261)	JUNCTION	1.94	5.22	9.13	1	04:04

5.22	Structure_-(262)	JUNCTION	1.65	4.76	9.19	1	04:04
4.69	Structure_-(263)	JUNCTION	1.38	4.25	9.22	1	04:04
4.22	Structure_-(264)	JUNCTION	1.12	3.76	9.23	1	04:04
3.74	Structure_-(265)	JUNCTION	0.86	3.15	9.28	1	04:05
3.11	Structure_-(266)	JUNCTION	0.47	2.61	9.40	1	04:04
2.53	Structure_-(267)	JUNCTION	0.49	2.62	9.41	1	04:04
2.59	Structure_-(268)	JUNCTION	0.28	2.16	9.44	1	04:04
2.13	Structure_-(269)	JUNCTION	0.21	2.00	9.49	1	03:53
1.92	Structure_-(27)	JUNCTION	0.72	3.37	16.55	1	10:00
3.37	Structure_-(270)	JUNCTION	0.22	1.99	9.41	1	04:04
1.99	Structure_-(273)	JUNCTION	0.08	0.34	11.47	1	04:01
0.34	Structure_-(274)	JUNCTION	0.07	0.37	11.00	1	04:00
0.37	Structure_-(275)	JUNCTION	0.07	0.36	10.81	1	04:01
0.36	Structure_-(276)	JUNCTION	0.08	0.50	9.77	1	04:04
0.50	Structure_-(277)	JUNCTION	0.12	1.39	9.78	1	04:04
1.37	Structure_-(278)	JUNCTION	0.18	2.17	9.83	1	04:03
2.07	Structure_-(28)	JUNCTION	0.71	3.26	16.32	1	10:07
3.26	Structure_-(287)	JUNCTION	1.47	1.94	12.39	1	04:00
1.94	Structure_-(288)	JUNCTION	0.80	1.17	12.40	1	04:00
1.17	Structure_-(29)	JUNCTION	0.69	3.19	16.18	1	10:10
3.19	Structure_-(298)	JUNCTION	0.48	0.70	11.13	1	04:00
0.70	Structure_-(3)	JUNCTION	0.44	5.07	12.02	1	03:54
3.34	Structure_-(30)	JUNCTION	0.65	2.95	15.65	1	10:20
2.95	Structure_-(305)	JUNCTION	1.50	1.89	12.57	1	04:00
1.89	Structure_-(306)	JUNCTION	0.59	0.85	12.58	1	04:00
0.85	Structure_-(31)	JUNCTION	0.54	2.33	14.26	1	10:47
2.33							

Structure_-(319)	JUNCTION	0.22	1.75	8.06	1	04:00
1.74						
Structure_-(32)	JUNCTION	0.49	2.05	13.59	1	11:02
2.05						
Structure_-(320)	JUNCTION	0.25	1.61	7.77	1	04:00
1.60						
Structure_-(325)	JUNCTION	1.02	2.77	8.25	1	04:00
2.74						
Structure_-(326)	JUNCTION	0.09	1.09	8.55	1	03:59
1.08						
Structure_-(33)	JUNCTION	0.46	1.92	13.26	1	11:08
1.92						
Structure_-(331)	JUNCTION	0.87	5.14	13.19	1	04:03
5.14						
Structure_-(332)	JUNCTION	0.98	4.47	12.52	1	04:00
4.47						
Structure_-(333)	JUNCTION	0.69	1.07	7.79	1	04:00
1.07						
Structure_-(34)	JUNCTION	0.36	1.40	11.98	1	11:23
1.40						
Structure_-(341)	JUNCTION	1.91	2.52	8.96	1	04:00
2.52						
Structure_-(35)	JUNCTION	0.23	0.59	9.87	1	04:07
0.59						
Structure_-(37)	JUNCTION	0.20	1.04	9.85	1	04:05
1.04						
Structure_-(370)	JUNCTION	0.05	0.92	9.16	1	03:45
0.77						
Structure_-(371)	JUNCTION	0.04	0.54	8.95	1	04:07
0.53						
Structure_-(372)	JUNCTION	0.04	0.19	10.67	1	04:00
0.19						
Structure_-(373)	JUNCTION	0.03	1.04	9.19	1	03:45
0.85						
Structure_-(374)	JUNCTION	0.04	0.20	9.14	1	04:00
0.20						
Structure_-(375)	JUNCTION	0.05	0.29	8.93	1	04:00
0.29						
Structure_-(376)	JUNCTION	0.06	0.40	8.80	1	04:04
0.40						
Structure_-(377)	JUNCTION	0.08	0.66	8.76	1	04:06
0.64						
Structure_-(378)	JUNCTION	0.13	1.16	8.89	1	04:16
1.10						
Structure_-(379)	JUNCTION	3.15	8.36	10.67	1	20:11
6.43						
Structure_-(38)	JUNCTION	0.23	1.28	9.80	1	04:04
1.28						
Structure_-(380)	JUNCTION	2.48	8.70	11.83	1	20:11
5.69						
Structure_-(381)	JUNCTION	2.60	6.37	9.32	1	20:11
5.99						
Structure_-(389)	JUNCTION	0.00	0.00	11.23	0	00:00

0.00							
Structure_-(39)	JUNCTION	0.23	1.38	9.79	1	04:03	
1.36							
Structure_-(390)	JUNCTION	0.00	0.00	11.23	0	00:00	
0.00							
Structure_-(391)	JUNCTION	0.04	0.21	10.96	1	04:00	
0.21							
Structure_-(392)	JUNCTION	0.48	1.73	8.47	1	04:51	
1.73							
Structure_-(393)	JUNCTION	1.07	2.67	8.47	1	04:51	
2.67							
Structure_-(394)	JUNCTION	1.98	4.45	8.50	1	04:53	
4.42							
Structure_-(395)	JUNCTION	3.18	6.20	8.49	1	05:19	
6.19							
Structure_-(396)	JUNCTION	0.04	0.22	11.84	1	04:00	
0.22							
Structure_-(397)	JUNCTION	0.02	0.09	8.89	1	04:00	
0.09							
Structure_-(398)	JUNCTION	0.50	1.82	8.52	1	04:51	
1.80							
Structure_-(399)	JUNCTION	0.23	1.13	8.51	1	04:50	
1.12							
Structure_-(4)	JUNCTION	0.54	6.17	12.86	1	03:54	
3.82							
Structure_-(40)	JUNCTION	0.15	1.52	9.75	1	04:04	
1.52							
Structure_-(400)	JUNCTION	0.10	0.57	8.47	1	04:51	
0.57							
Structure_-(401)	JUNCTION	0.05	0.31	10.01	1	04:00	
0.31							
Structure_-(404)	JUNCTION	0.04	0.23	11.27	1	04:00	
0.23							
Structure_-(405)	JUNCTION	0.03	0.15	11.99	1	04:00	
0.15							
Structure_-(407)	JUNCTION	0.02	0.09	8.89	1	04:00	
0.09							
Structure_-(408)	JUNCTION	0.16	0.84	10.31	1	04:03	
0.84							
Structure_-(41)	JUNCTION	0.87	4.19	10.23	1	04:00	
3.77							
Structure_-(42)	JUNCTION	0.88	4.12	10.12	1	04:00	
3.83							
Structure_-(426)	JUNCTION	0.67	2.25	8.61	1	04:40	
2.23							
Structure_-(427)	JUNCTION	1.83	3.38	8.60	1	04:41	
3.37							
Structure_-(43)	JUNCTION	1.13	4.59	10.05	1	04:01	
4.35							
Structure_-(431)	JUNCTION	0.52	1.41	-3.96	1	05:52	
1.41							
Structure_-(432)	JUNCTION	0.43	1.29	-3.74	1	12:43	
1.29							

Structure_-(433)	JUNCTION	0.41	1.25	-3.46	1	12:44
1.25						
Structure_-(434)	JUNCTION	0.34	1.00	-2.55	1	12:44
1.00						
Structure_-(435)	JUNCTION	0.36	1.07	-2.47	1	12:44
1.07						
Structure_-(44)	JUNCTION	1.24	4.75	9.97	1	04:01
4.54						
Structure_-(446)	JUNCTION	7.20	17.88	27.85	1	09:00
17.88						
Structure_-(447)	JUNCTION	7.14	16.66	26.26	1	09:05
16.66						
Structure_-(448)	JUNCTION	7.06	15.53	24.82	1	09:11
15.53						
Structure_-(449)	JUNCTION	7.26	10.90	18.20	1	09:41
10.90						
Structure_-(45)	JUNCTION	1.26	4.79	9.97	1	04:01
4.57						
Structure_-(450)	JUNCTION	7.09	8.65	15.35	1	10:27
8.65						
Structure_-(451)	JUNCTION	7.14	9.25	15.75	0	00:00
8.31						
Structure_-(453)	JUNCTION	2.05	5.01	8.96	1	04:04
5.00						
Structure_-(454)	JUNCTION	2.05	5.02	8.96	1	03:41
5.01						
Structure_-(455)	JUNCTION	2.05	5.01	8.94	1	04:03
5.01						
Structure_-(456)	JUNCTION	2.20	5.22	8.95	1	04:03
5.18						
Structure_-(457)	JUNCTION	2.29	5.33	8.96	1	04:03
5.28						
Structure_-(458)	JUNCTION	2.48	5.61	9.01	1	20:11
5.54						
Structure_-(459)	JUNCTION	12.27	27.70	34.37	1	08:42
27.70						
Structure_-(46)	JUNCTION	1.28	4.83	9.94	1	04:01
4.61						
Structure_-(460)	JUNCTION	12.18	27.28	33.91	1	08:44
27.28						
Structure_-(461)	JUNCTION	12.42	26.56	32.59	1	08:47
26.56						
Structure_-(462)	JUNCTION	12.38	26.03	31.91	1	08:49
26.03						
Structure_-(463)	JUNCTION	13.15	24.17	28.30	1	08:59
24.17						
Structure_-(469)	JUNCTION	2.13	5.62	9.12	1	20:11
5.44						
Structure_-(47)	JUNCTION	1.52	5.18	9.83	1	04:01
4.98						
Structure_-(470)	JUNCTION	0.33	1.88	8.98	1	04:05
1.79						
Structure_-(471)	JUNCTION	0.27	1.76	9.03	1	04:05

1.65	Structure_-(472)	JUNCTION	0.22	1.65	9.05	1	04:05
1.52	Structure_-(473)	JUNCTION	0.19	1.57	9.06	1	04:05
1.44	Structure_-(475)	JUNCTION	2.52	5.94	9.02	1	20:11
5.57	Structure_-(476)	JUNCTION	2.60	5.96	8.93	1	20:11
5.68	Structure_-(477)	JUNCTION	2.85	6.01	8.66	1	20:11
5.97	Structure_-(478)	JUNCTION	3.14	6.81	9.13	1	20:11
6.30	Structure_-(481)	JUNCTION	2.02	5.04	9.04	1	03:45
5.00	Structure_-(482)	JUNCTION	1.99	5.03	9.08	1	03:45
4.96	Structure_-(483)	JUNCTION	1.96	5.02	9.12	1	03:45
4.87	Structure_-(484)	JUNCTION	1.88	5.00	9.22	1	03:44
4.76	Structure_-(485)	JUNCTION	1.87	5.02	9.27	1	03:44
4.74	Structure_-(487)	JUNCTION	2.75	6.23	9.01	1	20:11
5.86	Structure_-(489)	JUNCTION	2.77	5.72	8.46	1	05:27
5.72	Structure_-(490)	JUNCTION	0.81	1.20	12.43	1	04:00
1.20	Structure_-(495)	JUNCTION	0.09	0.56	10.60	1	04:00
0.56	Structure_-(5)	JUNCTION	0.68	7.65	14.02	1	03:54
3.80	Structure_-(50)	JUNCTION	1.78	5.54	9.74	1	04:01
5.36	Structure_-(502)	JUNCTION	0.02	0.40	8.86	1	04:30
0.37	Structure_-(503)	JUNCTION	1.52	5.13	9.84	1	04:03
5.06	Structure_-(51)	JUNCTION	1.96	5.68	9.62	1	04:01
5.54	Structure_-(52)	JUNCTION	2.16	5.74	9.46	1	04:01
5.64	Structure_-(53)	JUNCTION	2.16	5.53	9.24	1	04:03
5.48	Structure_-(54)	JUNCTION	1.93	5.30	9.24	1	20:11
5.16	Structure_-(56)	JUNCTION	0.16	0.80	9.88	1	04:05
0.80	Structure_-(57)	JUNCTION	0.14	0.80	10.09	1	04:06
0.80	Structure_-(58)	JUNCTION	0.13	0.77	10.16	1	04:06
0.77							



Structure_-(59)	JUNCTION	0.12	0.69	10.39	1	04:01
0.69						
Structure_-(6)	JUNCTION	0.98	5.02	10.72	1	03:54
4.18						
Structure_-(60)	JUNCTION	0.11	0.65	10.47	1	04:01
0.65						
Structure_-(61)	JUNCTION	0.10	0.59	10.51	1	04:01
0.59						
Structure_-(62)	JUNCTION	0.09	0.52	10.54	1	04:00
0.52						
Structure_-(63)	JUNCTION	0.07	0.36	10.63	1	04:00
0.36						
Structure_-(7)	JUNCTION	1.15	5.14	10.49	1	03:54
4.50						
Structure_-(70)	JUNCTION	0.17	1.01	9.90	1	04:05
1.01						
Structure_-(71)	JUNCTION	0.08	0.45	10.45	1	04:01
0.44						
Structure_-(72)	JUNCTION	0.13	0.68	10.74	1	04:02
0.68						
Structure_-(73)	JUNCTION	0.12	0.70	11.03	1	04:02
0.70						
Structure_-(74)	JUNCTION	0.11	0.65	11.22	1	04:01
0.65						
Structure_-(75)	JUNCTION	0.10	0.57	11.38	1	04:01
0.57						
Structure_-(76)	JUNCTION	0.09	0.49	11.54	1	04:01
0.49						
Structure_-(77)	JUNCTION	0.07	0.39	11.68	1	04:00
0.39						
Structure_-(78)	JUNCTION	0.05	0.30	11.83	1	04:00
0.30						
Structure_-(79)	JUNCTION	0.14	1.13	9.85	1	04:04
1.11						
Structure_-(8)	JUNCTION	1.28	5.24	10.34	1	03:54
4.73						
Structure_-(80)	JUNCTION	0.12	0.89	9.90	1	04:05
0.89						
Structure_-(81)	JUNCTION	0.11	0.72	9.97	1	04:05
0.71						
Structure_-(82)	JUNCTION	0.10	0.56	10.05	1	04:06
0.56						
Structure_-(83)	JUNCTION	0.08	0.46	10.19	1	04:01
0.46						
Structure_-(84)	JUNCTION	0.07	0.36	10.33	1	04:00
0.36						
Structure_-(85)	JUNCTION	0.05	0.24	10.45	1	04:00
0.24						
Structure_-(86)	JUNCTION	1.02	2.49	9.79	1	04:03
2.47						
Structure_-(87)	JUNCTION	0.94	2.81	10.20	1	04:01
2.48						
Structure_-(88)	JUNCTION	0.78	3.73	11.29	1	04:01

2.70	Structure_-_ (89)	JUNCTION	0.70	3.73	11.38	1	04:01
2.69	Structure_-_ (9)	JUNCTION	1.45	5.18	10.00	1	03:54
4.98	Structure_-_ (90)	JUNCTION	0.58	3.74	11.53	1	04:00
2.20	Structure_-_ (92)	JUNCTION	0.10	1.06	9.96	1	04:03
1.06	Structure_-_ (93)	JUNCTION	0.14	0.82	10.08	1	04:04
0.81	Structure_-_ (94)	JUNCTION	0.13	0.77	10.20	1	04:04
0.77	Structure_-_ (95)	JUNCTION	0.15	0.80	10.25	1	04:04
0.80	Structure_-_ (96)	JUNCTION	0.13	0.78	10.38	1	04:00
0.78	Structure_-_ (97)	JUNCTION	0.11	0.62	10.57	1	04:00
0.62	Structure_-_ (98)	JUNCTION	0.09	0.53	10.66	1	04:00
0.53	Structure_-_ (99)	JUNCTION	0.07	0.40	10.72	1	04:00
0.40	Structure520	JUNCTION	2.32	5.07	9.44	1	04:28
5.07	Structure521	JUNCTION	1.04	2.69	4.42	1	04:03
2.69	Structure522	JUNCTION	0.72	2.34	4.42	1	04:04
2.34	Structure587	JUNCTION	3.09	6.19	8.56	1	04:40
6.18	Structure593	JUNCTION	3.11	6.22	8.57	1	04:41
6.22	Structure602	JUNCTION	1.55	5.13	9.81	1	04:03
5.08	SU1-2_Central	JUNCTION	3.59	7.57	12.57	1	04:14
7.57	SU1-2_J1	JUNCTION	0.83	67.39	77.39	1	03:36
16.28	SU1-2_J1-2	JUNCTION	0.72	52.32	60.32	1	03:36
13.22	SU1-2_J2	JUNCTION	0.15	0.77	2.77	1	03:45
0.77	SU1-2_Overflow	JUNCTION	0.07	0.33	8.58	1	04:22
0.33	SU1-2_PSOut	JUNCTION	1.74	112.28	122.28	0	21:08
40.15	SU1-2_South	JUNCTION	0.02	0.15	20.15	1	04:02
0.15	SU1-2_West	JUNCTION	0.09	0.60	15.81	1	04:01
0.60	SU6-1E	JUNCTION	0.06	0.35	12.15	1	04:03
0.35							

SU67-J1	JUNCTION	0.95	101.25	114.43	1	04:02
12.57						
SU67-J2	JUNCTION	0.58	42.02	52.60	1	04:07
7.62						
SU67-J3	JUNCTION	0.50	33.85	43.13	1	04:14
6.31						
SU67-J4	JUNCTION	0.40	32.84	41.92	1	04:14
5.80						
SU67-J5	JUNCTION	0.69	33.09	39.13	1	04:14
11.32						
SU67-J6	JUNCTION	0.80	34.19	39.30	1	04:13
19.64						
SU67-J7	JUNCTION	0.88	28.40	33.05	1	04:14
25.05						
UDitch_Out	JUNCTION	0.20	0.96	8.46	1	05:30
0.96						
5_Dummy_Outlet	OUTFALL	0.00	0.00	0.00	0	00:00
0.00						
C_Dummy_Outlet	OUTFALL	0.00	0.00	0.00	0	00:00
0.00						
D_Dummy_Outlet	OUTFALL	0.00	0.00	0.00	0	00:00
0.00						
E_Dummy_Outlet	OUTFALL	0.00	0.00	0.00	0	00:00
0.00						
F_Dummy_Outlet	OUTFALL	0.00	0.00	0.00	0	00:00
0.00						
G_Dummy_Outlet	OUTFALL	0.00	0.00	0.00	0	00:00
0.00						
H_Dummy_Outlet	OUTFALL	0.00	0.00	0.00	0	00:00
0.00						
Outfall_002A	OUTFALL	0.33	0.83	-14.04	1	05:52
0.83						
Outfall003	OUTFALL	0.40	1.66	-1.34	1	04:17
1.66						
77_Thickeners	STORAGE	0.47	1.28	1.28	2	00:00
1.28						
Facility77_Inlet	STORAGE	11.67	17.11	9.06	1	20:11
16.98						
PS_SU6-7	STORAGE	4.01	8.26	9.26	1	04:59
8.25						
PSC_Sump	STORAGE	5.58	14.12	14.62	1	10:54
14.12						
RetenionPond	STORAGE	7.13	8.29	14.79	1	10:54
8.29						
SU1-2_PS	STORAGE	6.20	9.96	12.46	1	04:14
9.96						

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Node Inflow Summary  
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Total Inflow Volume Node 10 <sup>6</sup> gal	Flow Balance Error Percent	Type	Maximum Lateral Inflow CFS	Maximum Total Inflow CFS	Time of Max Occurrence days hr:min	Lateral Inflow Volume 10 <sup>6</sup> gal
CB19 0.123	0.014	JUNCTION	2.05	2.05	1 04:00	0.123
CB22 0.838	0.011	JUNCTION	0.20	13.82	1 04:00	0.0123
CB30 0.136	0.163	JUNCTION	0.20	2.26	1 04:00	0.0123
CB31 0.123	0.019	JUNCTION	2.05	2.05	1 04:00	0.123
CB33 0.123	0.010	JUNCTION	2.05	2.05	1 04:00	0.123
Culvert_Ditch11 0.635	1.081	JUNCTION	0.00	9.43	1 03:55	0
Culvert_Ditch12a 0.81	0.497	JUNCTION	4.21	15.99	1 03:55	0.262
Culvert_Ditch12b 0.532	4.641	JUNCTION	0.00	13.21	1 03:55	0
Culvert_Ditch12c 0.176	9.259	JUNCTION	0.00	11.29	1 03:51	0
Ditch1_2 0	0.000 gal	JUNCTION	0.00	0.00	0 00:00	0
Ditch11_12 1.08	1.156	JUNCTION	0.00	12.80	1 03:55	0
Ditch12_18 0.131	0.213	JUNCTION	1.82	1.82	1 04:00	0.129
Ditch14_15 0.343	5.757	JUNCTION	1.23	5.20	1 04:01	0.0741
Ditch15_16 0.399	0.229	JUNCTION	1.23	5.85	1 04:12	0.0741
Ditch16_17 0.472	0.029	JUNCTION	1.23	6.83	1 04:14	0.0741
Ditch17_5_6 1.91	0.756	JUNCTION	0.41	29.98	1 04:09	0.0247
Ditch2_3 0.389	3.222	JUNCTION	5.18	5.18	1 04:00	0.374
Ditch3_Out 1.33	1.629	JUNCTION	0.00	23.89	1 04:42	0
Ditch4_In 0.854	1.501	JUNCTION	7.65	7.65	1 04:00	0.854
Ditch4_Out 2.9	15.615	JUNCTION	0.00	37.15	1 04:18	0

Ditch5_Inlet	JUNCTION	0.41	25.36	1	03:57	0.0247
1.42	0.188					
Ditch6_7	JUNCTION	0.41	29.27	1	04:15	0.0247
1.92	0.395					
Ditch7_8	JUNCTION	8.20	35.68	1	04:16	0.494
2.41	0.019					
Ditch9_10_11	JUNCTION	0.00	9.48	1	03:55	0
0.635	0.086					
Ditch9_Inlet	JUNCTION	4.00	4.00	1	04:00	0.249
0.249	1.525					
Facility77_PS	JUNCTION	0.00	22.28	1	04:03	0
4.98	0.054					
PS004	JUNCTION	0.00	2.34	1	03:58	0
0.13	0.138					
PSC_Outlet	JUNCTION	0.00	13.37	1	04:44	0
4.18	0.107					
Roadside_Connection	JUNCTION	1.82	11.05	1	03:53	0.129
0.381	-0.627					
SDCB294	JUNCTION	2.05	2.05	1	04:00	0.123
0.123	0.053					
SDCB541	JUNCTION	0.20	2.45	1	04:00	0.0123
0.148	0.048					
SDCB543	JUNCTION	0.20	2.25	1	04:00	0.0123
0.136	0.056					
SDCB6003	JUNCTION	0.20	19.37	1	04:00	0.0123
1.17	0.028					
SDCB6005	JUNCTION	0.82	0.82	1	04:00	0.0494
0.0494	0.572					
SDMH297	JUNCTION	0.41	23.49	1	04:01	0.0247
1.4	0.038					
SDMH299	JUNCTION	0.41	4.06	1	04:06	0.0247
0.222	0.071					
SDMH301	JUNCTION	0.20	23.32	1	04:05	0.0123
1.39	0.028					
SDMH538	JUNCTION	2.05	2.05	1	04:00	0.123
0.123	0.086					
SDMH539	JUNCTION	0.20	18.30	1	04:00	0.0123
1.11	0.016					
SDMH540	JUNCTION	0.20	2.25	1	04:00	0.0123
0.136	0.048					
Structure_-(1)	JUNCTION	0.65	1.32	1	03:54	0.0391
0.0393	0.016					
Structure_-(10)	JUNCTION	0.26	5.17	1	03:54	0.0157
0.381	0.129					
Structure_-(100)	JUNCTION	0.26	0.52	1	04:00	0.0157
0.0313	0.014					
Structure_-(101)	JUNCTION	0.26	0.26	1	04:00	0.0157
0.0157	0.016					
Structure_-(102)	JUNCTION	0.39	0.39	1	04:00	0.0235
0.0235	0.011					
Structure_-(123)	JUNCTION	0.26	4.27	1	04:04	0.0157
0.221	0.024					
Structure_-(124)	JUNCTION	0.26	2.43	1	04:01	0.0157

0.149	0.047						
Structure_-(125)		JUNCTION	0.26	2.18	1	04:01	0.0157
0.133	-0.002						
Structure_-(126)		JUNCTION	0.26	0.90	1	04:00	0.0157
0.0548	0.039						
Structure_-(128)		JUNCTION	0.26	0.64	1	04:00	0.0157
0.0391	0.037						
Structure_-(129)		JUNCTION	0.39	0.39	1	04:00	0.0235
0.0235	0.016						
Structure_-(130)		JUNCTION	0.26	0.90	1	04:00	0.0157
0.0548	0.031						
Structure_-(131)		JUNCTION	0.26	0.65	1	04:00	0.0157
0.0391	0.007						
Structure_-(132)		JUNCTION	0.39	0.39	1	04:00	0.0235
0.0235	0.009						
Structure_-(133)		JUNCTION	0.26	1.03	1	04:00	0.0157
0.0625	0.027						
Structure_-(134)		JUNCTION	0.39	0.39	1	04:00	0.0235
0.0235	0.111						
Structure_-(136)		JUNCTION	0.39	0.39	1	04:00	0.0235
0.0235	0.361						
Structure_-(139)		JUNCTION	0.26	1.59	1	04:01	0.0157
0.103	0.114						
Structure_-(140)		JUNCTION	0.26	1.33	1	04:01	0.0157
0.0784	-0.023						
Structure_-(141)		JUNCTION	0.26	1.07	1	04:01	0.0157
0.0628	0.133						
Structure_-(142)		JUNCTION	0.26	0.91	1	03:43	0.0157
0.0473	-0.095						
Structure_-(143)		JUNCTION	0.26	1.61	1	03:43	0.0157
0.0345	-0.320						
Structure_-(144)		JUNCTION	0.26	1.23	1	03:43	0.0157
0.0187	0.373						
Structure_-(161)		JUNCTION	0.26	1.39	1	04:33	0.0157
0.0174	2.294						
Structure_-(162)		JUNCTION	0.26	2.50	1	04:31	0.0157
0.0347	2.313						
Structure_-(163)		JUNCTION	0.26	2.64	1	04:12	0.0157
0.053	1.860						
Structure_-(164)		JUNCTION	0.26	3.21	1	04:20	0.0157
0.0764	1.154						
Structure_-(165)		JUNCTION	0.26	4.13	1	04:33	0.0157
0.0976	0.121						
Structure_-(166)		JUNCTION	0.26	2.96	1	04:05	0.0157
0.118	0.120						
Structure_-(167)		JUNCTION	0.26	3.22	1	04:05	0.0157
0.145	0.196						
Structure_-(168)		JUNCTION	0.26	3.62	1	20:12	0.0157
0.174	0.509						
Structure_-(169)		JUNCTION	0.26	3.93	1	04:04	0.0157
0.2	0.831						
Structure_-(170)		JUNCTION	0.26	9.46	1	22:56	0.0157
0.225	0.136						

Structure_-(171)	JUNCTION	0.00	23.64	1	04:05	0
1.52	1.233					
Structure_-(172)	JUNCTION	0.00	167.58	1	20:11	0
1.72	0.778					
Structure_-(173)	JUNCTION	0.00	8.86	1	04:05	0
0.565	0.435					
Structure_-(174)	JUNCTION	0.00	5.77	1	23:06	0
0.382	0.734					
Structure_-(175)	JUNCTION	0.00	1.56	1	04:00	0
0.136	1.167					
Structure_-(176)	JUNCTION	0.26	1.55	1	04:00	0.0157
0.131	0.461					
Structure_-(177)	JUNCTION	0.26	1.30	1	04:00	0.0157
0.109	0.080					
Structure_-(178)	JUNCTION	0.26	1.04	1	04:00	0.0157
0.0822	0.101					
Structure_-(179)	JUNCTION	0.26	0.78	1	04:00	0.0157
0.0559	-0.009					
Structure_-(180)	JUNCTION	0.26	0.76	1	03:21	0.0157
0.0355	2.463					
Structure_-(181)	JUNCTION	0.26	0.46	1	03:23	0.0157
0.0167	0.075					
Structure_-(19)	JUNCTION	0.00	0.15	1	03:19	0
0.00289	0.076					
Structure_-(2)	JUNCTION	0.65	1.80	1	03:54	0.0391
0.08	-0.009					
Structure_-(20)	JUNCTION	0.00	1.09	1	03:24	0
0.0265	0.811					
Structure_-(205)	JUNCTION	0.26	5.24	1	23:06	0.0157
0.253	-0.057					
Structure_-(206)	JUNCTION	0.26	3.26	1	04:05	0.0157
0.212	0.876					
Structure_-(207)	JUNCTION	0.26	3.01	1	04:06	0.0157
0.185	0.311					
Structure_-(208)	JUNCTION	0.26	2.80	1	04:05	0.0157
0.156	0.186					
Structure_-(209)	JUNCTION	0.26	2.47	1	04:06	0.0157
0.129	0.116					
Structure_-(21)	JUNCTION	0.26	0.43	1	03:23	0.0157
0.0176	-0.092					
Structure_-(210)	JUNCTION	0.26	1.87	1	04:06	0.0157
0.105	0.088					
Structure_-(211)	JUNCTION	0.26	1.06	1	04:06	0.0157
0.0805	0.138					
Structure_-(212)	JUNCTION	0.26	0.82	1	04:06	0.0157
0.0554	0.208					
Structure_-(213)	JUNCTION	0.26	0.63	1	03:18	0.0157
0.0345	0.412					
Structure_-(214)	JUNCTION	0.26	0.32	1	03:25	0.0157
0.0167	0.198					
Structure_-(215)	JUNCTION	0.26	3.98	1	04:05	0.0157
0.227	0.317					
Structure_-(216)	JUNCTION	0.26	3.66	1	04:04	0.0157

0.211	1.331						
Structure_--(217)		JUNCTION	0.26	3.30	1	04:05	0.0157
0.189	0.616						
Structure_--(218)		JUNCTION	0.26	3.04	1	04:05	0.0157
0.159	0.190						
Structure_--(219)		JUNCTION	0.26	3.16	1	04:12	0.0157
0.127	0.221						
Structure_--(220)		JUNCTION	0.26	2.69	1	04:11	0.0157
0.105	0.124						
Structure_--(221)		JUNCTION	0.26	1.83	1	04:12	0.0157
0.0837	0.197						
Structure_--(222)		JUNCTION	0.26	1.49	1	04:12	0.0157
0.0625	0.257						
Structure_--(223)		JUNCTION	0.26	1.29	1	04:28	0.0157
0.0454	0.256						
Structure_--(23)		JUNCTION	0.00	1.36	1	03:57	0
0.128	0.018						
Structure_--(230)		JUNCTION	0.00	15.70	1	22:59	0
0.713	0.797						
Structure_--(231)		JUNCTION	0.00	14.87	1	22:58	0
0.441	0.984						
Structure_--(232)		JUNCTION	0.00	3.08	1	04:07	0
0.2	0.923						
Structure_--(233)		JUNCTION	0.26	2.90	1	04:06	0.0157
0.19	1.332						
Structure_--(234)		JUNCTION	0.26	2.88	1	04:06	0.0157
0.164	0.346						
Structure_--(235)		JUNCTION	0.26	2.54	1	04:06	0.0157
0.139	0.205						
Structure_--(236)		JUNCTION	0.26	2.13	1	04:06	0.0157
0.115	0.122						
Structure_--(237)		JUNCTION	0.26	1.60	1	04:06	0.0157
0.0906	0.097						
Structure_--(238)		JUNCTION	0.26	1.00	1	04:06	0.0157
0.0654	0.132						
Structure_--(239)		JUNCTION	0.00	0.66	1	04:06	0
0.0393	0.228						
Structure_--(24)		JUNCTION	0.00	0.50	1	05:12	0
0.128	0.013						
Structure_--(240)		JUNCTION	0.26	0.66	1	04:06	0.0157
0.0333	0.549						
Structure_--(241)		JUNCTION	0.26	0.31	1	04:06	0.0157
0.0162	0.194						
Structure_--(242)		JUNCTION	0.82	4.48	1	04:00	0.0494
0.293	0.375						
Structure_--(243)		JUNCTION	1.23	3.67	1	04:00	0.0741
0.276	0.353						
Structure_--(244)		JUNCTION	1.23	2.45	1	04:00	0.0741
0.179	0.127						
Structure_--(245)		JUNCTION	1.23	1.23	1	04:00	0.0741
0.0741	0.027						
Structure_--(246)		JUNCTION	0.26	10.09	1	22:58	0.0157
0.242	-0.115						



Structure_-(247)	JUNCTION	0.26	3.08	1	04:05	0.0157
0.216	0.890					
Structure_-(248)	JUNCTION	0.26	2.89	1	04:06	0.0157
0.191	0.318					
Structure_-(249)	JUNCTION	0.26	2.66	1	04:06	0.0157
0.162	0.181					
Structure_-(25)	JUNCTION	0.00	0.50	1	05:14	0
0.128	0.051					
Structure_-(250)	JUNCTION	0.26	2.34	1	04:05	0.0157
0.135	0.094					
Structure_-(251)	JUNCTION	0.26	1.75	1	04:05	0.0157
0.11	0.086					
Structure_-(252)	JUNCTION	0.26	1.05	1	04:05	0.0157
0.0838	0.119					
Structure_-(253)	JUNCTION	0.26	0.80	1	04:05	0.0157
0.0567	0.188					
Structure_-(254)	JUNCTION	0.26	0.74	1	03:19	0.0157
0.0344	0.391					
Structure_-(255)	JUNCTION	0.26	0.33	1	03:26	0.0157
0.0166	0.135					
Structure_-(256)	JUNCTION	0.26	9.84	1	22:59	0.0157
0.28	0.323					
Structure_-(257)	JUNCTION	0.26	4.34	1	04:04	0.0157
0.257	1.126					
Structure_-(258)	JUNCTION	0.26	4.04	1	04:05	0.0157
0.232	0.438					
Structure_-(259)	JUNCTION	0.26	3.80	1	04:05	0.0157
0.205	0.181					
Structure_-(26)	JUNCTION	0.00	0.47	1	06:05	0
0.128	0.151					
Structure_-(260)	JUNCTION	0.26	3.21	1	04:05	0.0157
0.181	0.119					
Structure_-(261)	JUNCTION	0.26	2.46	1	04:00	0.0157
0.16	0.057					
Structure_-(262)	JUNCTION	0.26	2.20	1	04:00	0.0157
0.14	0.085					
Structure_-(263)	JUNCTION	0.26	1.94	1	04:00	0.0157
0.12	0.089					
Structure_-(264)	JUNCTION	0.26	1.68	1	04:00	0.0157
0.103	0.103					
Structure_-(265)	JUNCTION	0.26	1.42	1	04:00	0.0157
0.0877	0.112					
Structure_-(266)	JUNCTION	0.26	1.17	1	04:00	0.0157
0.0726	0.017					
Structure_-(267)	JUNCTION	0.00	0.91	1	04:00	0
0.0574	0.113					
Structure_-(268)	JUNCTION	0.39	0.65	1	04:00	0.0235
0.0395	-0.012					
Structure_-(269)	JUNCTION	0.26	0.26	1	04:00	0.0157
0.0157	0.031					
Structure_-(27)	JUNCTION	0.00	0.44	1	07:09	0
0.128	0.051					
Structure_-(270)	JUNCTION	0.26	0.37	1	03:51	0.0157

0.0167	-0.052						
Structure_-(273)		JUNCTION	0.39	0.39	1	04:00	0.0235
0.0235	0.102						
Structure_-(274)		JUNCTION	0.26	0.64	1	04:00	0.0157
0.0391	0.014						
Structure_-(275)		JUNCTION	0.26	0.90	1	04:00	0.0157
0.0548	0.035						
Structure_-(276)		JUNCTION	0.26	1.54	1	04:01	0.0157
0.0939	0.135						
Structure_-(277)		JUNCTION	0.26	4.02	1	04:05	0.0157
0.225	0.122						
Structure_-(278)		JUNCTION	0.26	6.75	1	04:32	0.0157
0.241	-0.148						
Structure_-(28)		JUNCTION	0.00	0.41	1	08:00	0
0.128	0.023						
Structure_-(287)		JUNCTION	0.26	1.29	1	04:00	0.0157
0.0778	1.636						
Structure_-(288)		JUNCTION	0.39	0.39	1	04:00	0.0235
0.0236	1.228						
Structure_-(29)		JUNCTION	0.00	0.40	1	08:39	0
0.128	0.044						
Structure_-(298)		JUNCTION	0.39	0.39	1	04:00	0.0235
0.0235	0.218						
Structure_-(3)		JUNCTION	0.65	2.39	1	03:54	0.0391
0.122	0.058						
Structure_-(30)		JUNCTION	0.00	0.39	1	09:03	0
0.127	0.130						
Structure_-(305)		JUNCTION	0.26	0.65	1	04:00	0.0157
0.0389	1.927						
Structure_-(306)		JUNCTION	0.39	0.39	1	04:00	0.0235
0.0236	1.465						
Structure_-(31)		JUNCTION	0.00	0.38	1	09:48	0
0.127	0.113						
Structure_-(319)		JUNCTION	0.20	6.47	1	04:00	0.0123
0.395	0.034						
Structure_-(32)		JUNCTION	0.00	0.37	1	10:04	0
0.127	0.063						
Structure_-(320)		JUNCTION	0.20	8.72	1	04:00	0.0123
0.53	0.016						
Structure_-(325)		JUNCTION	0.20	2.25	1	04:00	0.0123
0.136	0.122						
Structure_-(326)		JUNCTION	2.05	2.05	1	04:00	0.123
0.123	0.009						
Structure_-(33)		JUNCTION	0.00	0.36	1	10:19	0
0.127	0.120						
Structure_-(331)		JUNCTION	2.05	2.05	1	04:00	0.123
0.123	0.066						
Structure_-(332)		JUNCTION	2.05	2.05	1	04:00	0.123
0.123	0.077						
Structure_-(333)		JUNCTION	0.20	2.46	1	04:00	0.0123
0.148	0.162						
Structure_-(34)		JUNCTION	0.00	0.35	1	10:44	0
0.127	0.250						

Structure_-(341)	JUNCTION	2.05	2.05	1	04:00	0.123
0.123 0.163						
Structure_-(35)	JUNCTION	0.00	0.35	1	11:25	0
0.127 0.200						
Structure_-(37)	JUNCTION	0.26	6.81	1	04:01	0.0157
0.549 0.030						
Structure_-(370)	JUNCTION	0.00	2.88	1	03:45	0
0.0205 0.090						
Structure_-(371)	JUNCTION	0.00	2.90	1	03:45	0
0.0186 0.214						
Structure_-(372)	JUNCTION	0.26	0.26	1	04:00	0.0157
0.0157 -0.059						
Structure_-(373)	JUNCTION	0.00	7.43	1	03:44	0
0.0193 0.015						
Structure_-(374)	JUNCTION	0.26	0.26	1	04:00	0.0157
0.0157 0.014						
Structure_-(375)	JUNCTION	0.26	0.52	1	04:00	0.0157
0.0313 0.009						
Structure_-(376)	JUNCTION	0.26	0.78	1	04:00	0.0157
0.047 0.007						
Structure_-(377)	JUNCTION	0.26	1.03	1	04:00	0.0157
0.063 0.001						
Structure_-(378)	JUNCTION	0.26	1.59	1	04:04	0.0157
0.0807 0.005						
Structure_-(379)	JUNCTION	0.00	43.74	1	04:01	0
4.53 0.114						
Structure_-(38)	JUNCTION	0.26	9.77	1	04:06	0.0157
0.721 0.024						
Structure_-(380)	JUNCTION	0.00	42.36	1	04:01	0
4.46 0.050						
Structure_-(381)	JUNCTION	0.00	758.26	1	20:11	0
4.44 -0.560						
Structure_-(389)	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
Structure_-(39)	JUNCTION	0.65	10.42	1	04:06	0.0391
0.76 0.012						
Structure_-(390)	JUNCTION	0.00	0.00	0	00:00	0
0 0.000 gal						
Structure_-(391)	JUNCTION	0.26	0.52	1	04:00	0.0157
0.0313 -0.012						
Structure_-(392)	JUNCTION	0.00	0.51	1	04:00	0
0.0321 0.002						
Structure_-(393)	JUNCTION	0.00	2.25	1	03:58	0
0.142 0.458						
Structure_-(394)	JUNCTION	0.00	2.32	1	03:58	0
0.157 1.098						
Structure_-(395)	JUNCTION	4.44	44.80	1	03:54	0.239
4.55 0.083						
Structure_-(396)	JUNCTION	0.26	0.26	1	04:00	0.0157
0.0157 0.017						
Structure_-(397)	JUNCTION	0.26	0.26	1	04:00	0.0157
0.0157 0.006						
Structure_-(398)	JUNCTION	0.26	0.52	1	04:00	0.0157

0.0314	-0.002						
Structure_-(399)		JUNCTION	0.26	0.26	1	04:00	0.0157
0.0157	0.061						
Structure_-(4)		JUNCTION	0.65	3.01	1	03:54	0.0391
0.164	0.013						
Structure_-(40)		JUNCTION	0.65	11.03	1	04:06	0.0391
0.799	-0.003						
Structure_-(400)		JUNCTION	0.26	1.03	1	04:00	0.0157
0.0627	0.093						
Structure_-(401)		JUNCTION	0.26	0.77	1	04:00	0.0157
0.047	0.012						
Structure_-(404)		JUNCTION	0.26	0.52	1	04:00	0.0157
0.0313	0.011						
Structure_-(405)		JUNCTION	0.26	0.26	1	04:00	0.0157
0.0157	0.011						
Structure_-(407)		JUNCTION	0.26	0.26	1	04:00	0.0157
0.0157	0.007						
Structure_-(408)		JUNCTION	0.00	2.82	1	04:01	0
0.172	0.010						
Structure_-(41)		JUNCTION	0.65	13.47	1	04:00	0.0391
0.838	0.023						
Structure_-(42)		JUNCTION	0.26	21.46	1	03:59	0.0157
1.38	0.011						
Structure_-(426)		JUNCTION	0.26	0.60	1	03:59	0.0157
0.0313	0.343						
Structure_-(427)		JUNCTION	0.26	0.26	1	04:00	0.0157
0.0157	0.943						
Structure_-(43)		JUNCTION	0.65	20.73	1	04:04	0.0391
1.42	0.025						
Structure_-(431)		JUNCTION	0.00	14.53	1	05:52	0
4.59	0.252						
Structure_-(432)		JUNCTION	0.00	13.38	1	12:37	0
4.02	0.030						
Structure_-(433)		JUNCTION	0.00	13.37	1	12:37	0
4.03	0.071						
Structure_-(434)		JUNCTION	0.00	13.37	1	12:44	0
4.03	0.033						
Structure_-(435)		JUNCTION	0.00	13.37	1	12:44	0
4.03	0.106						
Structure_-(44)		JUNCTION	0.65	21.38	1	04:04	0.0391
1.45	0.009						
Structure_-(446)		JUNCTION	0.00	18.62	1	06:20	0
5.04	0.011						
Structure_-(447)		JUNCTION	0.00	18.61	1	06:25	0
5.05	0.018						
Structure_-(448)		JUNCTION	0.00	18.59	1	06:28	0
5.05	0.061						
Structure_-(449)		JUNCTION	0.00	22.68	0	00:00	0
5.07	0.067						
Structure_-(45)		JUNCTION	0.26	21.64	1	04:04	0.0157
1.47	0.004						
Structure_-(450)		JUNCTION	0.00	47.92	0	00:00	0
5.07	0.021						

Structure_-(451)	JUNCTION	0.00	303.74	0	00:00	0
5.08 0.004						
Structure_-(453)	JUNCTION	0.00	5.17	1	03:40	0
0.0382 36.002						
Structure_-(454)	JUNCTION	0.00	5.08	1	03:41	0
0.0382 -0.251						
Structure_-(455)	JUNCTION	0.00	5.10	1	03:41	0
0.0394 3.523						
Structure_-(456)	JUNCTION	0.00	5.11	1	03:41	0
0.0411 3.075						
Structure_-(457)	JUNCTION	0.00	5.15	1	03:41	0
0.0436 4.567						
Structure_-(458)	JUNCTION	0.00	48.97	1	20:11	0
0.0529 8.592						
Structure_-(459)	JUNCTION	0.00	19.59	1	04:28	0
5 0.055						
Structure_-(46)	JUNCTION	0.26	21.89	1	04:04	0.0157
1.49 0.011						
Structure_-(460)	JUNCTION	0.00	18.79	1	05:19	0
5 0.018						
Structure_-(461)	JUNCTION	0.00	18.73	1	05:41	0
5.01 0.022						
Structure_-(462)	JUNCTION	0.00	18.69	1	05:54	0
5.02 0.062						
Structure_-(463)	JUNCTION	0.00	18.65	1	06:09	0
5.04 0.058						
Structure_-(469)	JUNCTION	0.26	56.43	1	20:11	0.0157
0.146 6.607						
Structure_-(47)	JUNCTION	0.65	32.01	1	04:05	0.0391
2.12 0.013						
Structure_-(470)	JUNCTION	0.26	5.72	1	20:12	0.0157
0.079 -0.006						
Structure_-(471)	JUNCTION	0.26	4.45	1	20:12	0.0157
0.056 0.002						
Structure_-(472)	JUNCTION	0.26	4.50	1	20:13	0.0157
0.0356 0.026						
Structure_-(473)	JUNCTION	0.26	2.89	1	20:12	0.0157
0.0168 0.042						
Structure_-(475)	JUNCTION	0.26	0.26	1	04:00	0.0157
0.0157 0.935						
Structure_-(476)	JUNCTION	0.26	0.52	1	03:59	0.0157
0.0312 1.537						
Structure_-(477)	JUNCTION	0.26	1.04	1	03:59	0.0157
0.062 1.210						
Structure_-(478)	JUNCTION	0.00	44.76	1	04:01	0
4.55 0.119						
Structure_-(481)	JUNCTION	0.00	4.96	1	03:44	0
0.0292 48.904						
Structure_-(482)	JUNCTION	0.00	5.22	1	03:44	0
0.0208 6.952						
Structure_-(483)	JUNCTION	0.00	5.96	1	03:44	0
0.0204 7.626						
Structure_-(484)	JUNCTION	0.00	5.72	1	03:44	0

0.0192	-2.549						
Structure_--(485)		JUNCTION	0.00	5.37	1	03:44	0
0.0194	2.691						
Structure_--(487)		JUNCTION	0.26	0.26	1	04:00	0.0157
0.0157	0.267						
Structure_--(489)		JUNCTION	0.26	45.04	1	03:55	0.0157
4.19	4.656						
Structure_--(490)		JUNCTION	0.65	0.65	1	04:00	0.0391
0.0392	0.849						
Structure_--(495)		JUNCTION	0.00	1.54	1	04:00	0
0.0939	0.007						
Structure_--(5)		JUNCTION	0.65	3.72	1	03:54	0.0391
0.207	0.007						
Structure_--(50)		JUNCTION	0.65	32.61	1	04:05	0.0391
2.12	0.014						
Structure_--(502)		JUNCTION	0.26	0.29	1	04:30	0.0157
0.0159	0.009						
Structure_--(503)		JUNCTION	0.26	5.44	1	03:54	0.0157
0.416	0.041						
Structure_--(51)		JUNCTION	0.65	33.23	1	04:05	0.0391
2.17	0.037						
Structure_--(52)		JUNCTION	0.26	37.08	1	04:05	0.0157
2.41	0.082						
Structure_--(53)		JUNCTION	0.00	38.55	1	04:04	0
2.52	0.067						
Structure_--(54)		JUNCTION	0.00	38.55	1	04:04	0
2.53	0.069						
Structure_--(56)		JUNCTION	0.26	3.18	1	04:02	0.0157
0.323	0.041						
Structure_--(57)		JUNCTION	0.39	2.93	1	04:01	0.0235
0.18	0.009						
Structure_--(58)		JUNCTION	0.39	2.56	1	04:01	0.0235
0.157	0.020						
Structure_--(59)		JUNCTION	0.39	2.18	1	04:00	0.0235
0.133	0.020						
Structure_--(6)		JUNCTION	0.26	3.96	1	03:54	0.0157
0.227	0.108						
Structure_--(60)		JUNCTION	0.39	1.80	1	04:00	0.0235
0.11	0.011						
Structure_--(61)		JUNCTION	0.39	1.41	1	04:00	0.0235
0.0861	0.011						
Structure_--(62)		JUNCTION	0.39	1.03	1	04:00	0.0235
0.0626	0.022						
Structure_--(63)		JUNCTION	0.65	0.65	1	04:00	0.0391
0.0391	0.016						
Structure_--(7)		JUNCTION	0.26	4.19	1	03:54	0.0157
0.246	0.030						
Structure_--(70)		JUNCTION	0.39	3.54	1	04:03	0.0235
0.211	0.008						
Structure_--(71)		JUNCTION	0.39	3.52	1	04:02	0.0235
0.188	0.005						
Structure_--(72)		JUNCTION	0.39	2.68	1	04:02	0.0235
0.164	0.016						

Structure_-(73)	JUNCTION	0.39	2.30	1	04:01	0.0235
0.141	0.025					
Structure_-(74)	JUNCTION	0.39	1.92	1	04:01	0.0235
0.117	0.024					
Structure_-(75)	JUNCTION	0.39	1.54	1	04:01	0.0235
0.0939	0.025					
Structure_-(76)	JUNCTION	0.39	1.16	1	04:00	0.0235
0.0704	0.027					
Structure_-(77)	JUNCTION	0.39	0.77	1	04:00	0.0235
0.047	0.029					
Structure_-(78)	JUNCTION	0.39	0.39	1	04:00	0.0235
0.0235	0.018					
Structure_-(79)	JUNCTION	0.39	2.56	1	04:06	0.0235
0.156	0.022					
Structure_-(8)	JUNCTION	0.26	4.63	1	03:54	0.0157
0.303	0.040					
Structure_-(80)	JUNCTION	0.39	2.16	1	04:00	0.0235
0.133	0.024					
Structure_-(81)	JUNCTION	0.39	1.79	1	04:01	0.0235
0.11	0.024					
Structure_-(82)	JUNCTION	0.39	1.41	1	04:00	0.0235
0.0861	0.026					
Structure_-(83)	JUNCTION	0.39	1.03	1	04:00	0.0235
0.0626	0.028					
Structure_-(84)	JUNCTION	0.39	0.64	1	04:00	0.0235
0.0391	0.030					
Structure_-(85)	JUNCTION	0.26	0.26	1	04:00	0.0157
0.0157	0.021					
Structure_-(86)	JUNCTION	0.65	8.96	1	04:01	0.0391
0.523	0.026					
Structure_-(87)	JUNCTION	0.65	8.38	1	04:00	0.0391
0.484	0.082					
Structure_-(88)	JUNCTION	0.65	8.07	1	04:00	0.0391
0.445	0.076					
Structure_-(89)	JUNCTION	0.65	7.45	1	04:00	0.0391
0.407	0.114					
Structure_-(9)	JUNCTION	0.26	4.88	1	03:54	0.0157
0.336	0.073					
Structure_-(90)	JUNCTION	0.65	6.77	1	04:00	0.0391
0.368	0.105					
Structure_-(92)	JUNCTION	0.65	5.38	1	04:01	0.0391
0.329	0.005					
Structure_-(93)	JUNCTION	0.65	4.74	1	04:01	0.0391
0.29	0.007					
Structure_-(94)	JUNCTION	0.65	4.10	1	04:01	0.0391
0.25	0.004					
Structure_-(95)	JUNCTION	0.65	3.46	1	04:01	0.0391
0.211	0.005					
Structure_-(96)	JUNCTION	0.65	2.82	1	04:00	0.0391
0.172	0.013					
Structure_-(97)	JUNCTION	0.65	2.18	1	04:00	0.0391
0.133	0.012					
Structure_-(98)	JUNCTION	0.65	1.54	1	04:00	0.0391

0.0939	0.008						
Structure_-(99)		JUNCTION	0.00	0.90	1	04:00	0
0.0548	0.025						
Structure520		JUNCTION	0.26	0.99	1	04:29	0.0157
0.0241	9.491						
Structure521		JUNCTION	0.41	2.46	1	04:00	0.0247
0.15	4.485						
Structure522		JUNCTION	0.41	3.26	1	04:06	0.0247
0.186	3.405						
Structure587		JUNCTION	0.26	40.86	1	03:57	0.0157
4.37	1.606						
Structure593		JUNCTION	0.26	45.54	1	04:01	0.0157
4.52	1.584						
Structure602		JUNCTION	0.00	10.33	1	04:02	0
0.649	0.073						
SU1-2_Central		JUNCTION	0.00	12.09	1	04:07	0
0.698	-0.666						
SU1-2_J1		JUNCTION	0.00	5.57	1	03:42	0
0.569	-0.487						
SU1-2_J1-2		JUNCTION	0.00	5.57	1	03:42	0
0.572	-0.005						
SU1-2_J2		JUNCTION	0.00	5.57	1	03:42	0
0.572	0.463						
SU1-2_Overflow		JUNCTION	0.00	11.67	1	04:09	0
0.92	2.475						
SU1-2_PSOOut		JUNCTION	0.00	5.57	1	03:42	0
0.569	-0.018						
SU1-2_South		JUNCTION	2.12	2.12	1	04:00	0.132
0.132	1.170						
SU1-2_West		JUNCTION	8.49	8.49	1	04:00	0.528
0.528	2.023						
SU6-1E		JUNCTION	4.00	4.00	1	04:00	0.249
0.249	0.324						
SU67-J1		JUNCTION	0.00	5.57	1	04:04	0
0.823	-0.047						
SU67-J2		JUNCTION	0.00	5.80	1	04:15	0
0.824	0.116						
SU67-J3		JUNCTION	0.00	5.84	1	04:15	0
0.823	0.034						
SU67-J4		JUNCTION	0.00	5.89	1	04:15	0
0.823	0.003						
SU67-J5		JUNCTION	0.00	6.26	1	04:14	0
0.823	0.011						
SU67-J6		JUNCTION	0.00	6.26	1	04:14	0
0.822	0.009						
SU67-J7		JUNCTION	0.00	6.30	1	04:14	0
0.822	0.674						
UDitch_Out		JUNCTION	0.00	40.51	1	04:18	0
1.72	1.475						
5_Dummy_Outlet		OUTFALL	0.00	0.00	0	00:00	0
0	0.000 gal						
C_Dummy_Outlet		OUTFALL	0.00	0.00	0	00:00	0
0	0.000 gal						



D_Dummy_Outlet	OUTFALL	0.00	0.00	0	00:00	0
0	0.000 gal					
E_Dummy_Outlet	OUTFALL	0.00	0.00	0	00:00	0
0	0.000 gal					
F_Dummy_Outlet	OUTFALL	0.00	0.00	0	00:00	0
0	0.000 gal					
G_Dummy_Outlet	OUTFALL	0.00	0.00	0	00:00	0
0	0.000 gal					
H_Dummy_Outlet	OUTFALL	0.00	0.00	0	00:00	0
0	0.000 gal					
Outfall_002A	OUTFALL	0.00	14.50	1	05:52	0
4.58	0.000					
Outfall003	OUTFALL	0.00	35.68	1	04:17	0
2.41	0.000					
77_Thickeners	STORAGE	0.00	6.43	1	04:14	0
0.817	-0.000					
Facility77_Inlet	STORAGE	0.00	930.73	1	20:10	0
7.09	0.314					
PS_SU6-7	STORAGE	0.00	8.90	1	03:52	0
0.85	-0.001					
PSC_Sump	STORAGE	0.00	17.85	1	10:54	0
4.61	0.001					
RetenionPond	STORAGE	0.00	82.49	0	00:00	0
6.94	0.000					
SU1-2_PS	STORAGE	0.00	9.70	1	04:14	0
0.706	0.176					

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#### Node Surcharge Summary

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Surcharging occurs when water rises above the top of the highest conduit.

Node	Type	Hours Surcharged	Max. Height Above Crown Feet	Min. Depth Below Rim Feet
CB19	JUNCTION	0.01	0.014	4.006
CB31	JUNCTION	0.06	0.032	3.968
Culvert_Ditch11	JUNCTION	9.31	3.109	3.891
Culvert_Ditch12a	JUNCTION	9.81	3.191	0.000
Culvert_Ditch12b	JUNCTION	9.74	3.178	0.000
Culvert_Ditch12c	JUNCTION	8.19	2.789	0.000
Ditch11_12	JUNCTION	11.42	3.469	0.000
Facility77_PS	JUNCTION	47.77	44.719	0.000
PSC_Outlet	JUNCTION	12.13	48.236	0.000
SDCB294	JUNCTION	2.10	1.124	3.876
SDMH540	JUNCTION	0.29	0.110	3.790
Structure_-_ (1)	JUNCTION	0.78	3.507	0.000
Structure_-_ (10)	JUNCTION	9.38	2.121	4.319
Structure_-_ (139)	JUNCTION	20.47	4.167	2.233
Structure_-_ (140)	JUNCTION	19.79	4.129	1.921

Structure_--(141)	JUNCTION	19.24	4.090	0.610
Structure_--(142)	JUNCTION	15.95	2.969	1.031
Structure_--(143)	JUNCTION	12.48	2.057	3.003
Structure_--(144)	JUNCTION	9.15	1.707	2.703
Structure_--(161)	JUNCTION	11.24	3.625	0.000
Structure_--(162)	JUNCTION	14.72	3.376	0.000
Structure_--(163)	JUNCTION	15.95	3.249	0.000
Structure_--(164)	JUNCTION	16.70	3.261	0.000
Structure_--(165)	JUNCTION	17.55	3.463	0.000
Structure_--(166)	JUNCTION	19.54	3.802	0.000
Structure_--(167)	JUNCTION	21.76	4.184	0.000
Structure_--(168)	JUNCTION	24.02	4.837	0.000
Structure_--(169)	JUNCTION	25.09	5.193	0.000
Structure_--(170)	JUNCTION	23.29	4.590	2.900
Structure_--(171)	JUNCTION	30.80	5.641	3.129
Structure_--(172)	JUNCTION	37.48	8.396	0.000
Structure_--(173)	JUNCTION	20.77	3.944	1.656
Structure_--(174)	JUNCTION	31.08	5.691	1.629
Structure_--(175)	JUNCTION	34.64	6.171	7.109
Structure_--(176)	JUNCTION	24.58	5.105	6.225
Structure_--(177)	JUNCTION	21.37	4.139	5.201
Structure_--(178)	JUNCTION	16.70	3.156	0.244
Structure_--(179)	JUNCTION	15.70	2.546	1.104
Structure_--(180)	JUNCTION	15.02	2.326	4.964
Structure_--(181)	JUNCTION	13.29	2.307	5.593
Structure_--(19)	JUNCTION	15.20	3.056	4.224
Structure_--(2)	JUNCTION	0.96	3.930	0.000
Structure_--(20)	JUNCTION	13.37	3.500	0.000
Structure_--(205)	JUNCTION	25.62	5.384	0.106
Structure_--(206)	JUNCTION	26.36	5.412	0.000
Structure_--(207)	JUNCTION	23.45	4.667	0.000
Structure_--(208)	JUNCTION	21.76	4.216	0.000
Structure_--(209)	JUNCTION	19.52	3.820	0.000
Structure_--(21)	JUNCTION	10.17	3.240	0.260
Structure_--(210)	JUNCTION	17.74	3.544	0.000
Structure_--(211)	JUNCTION	16.74	3.181	0.000
Structure_--(212)	JUNCTION	15.96	2.996	0.204
Structure_--(213)	JUNCTION	14.72	2.716	0.634
Structure_--(214)	JUNCTION	11.50	2.231	1.369
Structure_--(215)	JUNCTION	31.91	5.729	1.049
Structure_--(216)	JUNCTION	33.34	5.874	0.000
Structure_--(217)	JUNCTION	24.00	4.824	0.000
Structure_--(218)	JUNCTION	22.81	4.467	0.000
Structure_--(219)	JUNCTION	18.50	3.613	0.000
Structure_--(220)	JUNCTION	16.92	3.249	0.000
Structure_--(221)	JUNCTION	16.12	3.108	0.000
Structure_--(222)	JUNCTION	14.71	3.052	0.000
Structure_--(223)	JUNCTION	13.75	3.351	0.000
Structure_--(23)	JUNCTION	20.04	13.318	0.000
Structure_--(230)	JUNCTION	25.25	5.268	1.952
Structure_--(231)	JUNCTION	27.14	5.439	1.391
Structure_--(232)	JUNCTION	24.83	5.125	1.407
Structure_--(233)	JUNCTION	24.39	4.977	0.000

Structure_-(234)	JUNCTION	23.46	4.670	0.000
Structure_-(235)	JUNCTION	21.78	4.205	0.000
Structure_-(236)	JUNCTION	19.53	3.823	0.000
Structure_-(237)	JUNCTION	17.56	3.484	0.000
Structure_-(238)	JUNCTION	16.71	3.181	0.000
Structure_-(239)	JUNCTION	15.99	3.200	0.000
Structure_-(24)	JUNCTION	10.61	4.596	0.000
Structure_-(240)	JUNCTION	14.34	3.313	0.037
Structure_-(241)	JUNCTION	11.53	3.601	0.000
Structure_-(243)	JUNCTION	1.20	0.236	4.984
Structure_-(246)	JUNCTION	23.92	4.804	1.346
Structure_-(247)	JUNCTION	26.37	5.389	0.000
Structure_-(248)	JUNCTION	23.46	4.638	0.000
Structure_-(249)	JUNCTION	21.77	4.177	0.000
Structure_-(25)	JUNCTION	10.66	4.445	0.000
Structure_-(250)	JUNCTION	19.53	3.800	0.000
Structure_-(251)	JUNCTION	17.52	3.455	0.000
Structure_-(252)	JUNCTION	16.72	3.149	0.000
Structure_-(253)	JUNCTION	15.99	3.019	0.181
Structure_-(254)	JUNCTION	14.75	2.726	0.624
Structure_-(255)	JUNCTION	11.55	2.428	1.172
Structure_-(256)	JUNCTION	24.20	4.920	1.560
Structure_-(257)	JUNCTION	33.34	5.858	0.000
Structure_-(258)	JUNCTION	24.00	4.842	0.000
Structure_-(259)	JUNCTION	22.83	4.483	0.000
Structure_-(26)	JUNCTION	10.83	3.965	0.000
Structure_-(260)	JUNCTION	18.51	3.660	0.000
Structure_-(261)	JUNCTION	16.93	3.316	0.000
Structure_-(262)	JUNCTION	16.11	2.864	0.236
Structure_-(263)	JUNCTION	14.74	2.304	0.746
Structure_-(264)	JUNCTION	13.89	2.114	1.236
Structure_-(265)	JUNCTION	10.67	1.653	1.847
Structure_-(266)	JUNCTION	8.85	1.608	3.382
Structure_-(267)	JUNCTION	8.69	1.608	2.382
Structure_-(268)	JUNCTION	2.01	1.156	2.844
Structure_-(269)	JUNCTION	6.65	1.488	3.002
Structure_-(27)	JUNCTION	11.22	2.868	0.000
Structure_-(270)	JUNCTION	1.64	0.989	3.011
Structure_-(28)	JUNCTION	11.24	2.759	0.000
Structure_-(29)	JUNCTION	11.23	2.692	0.000
Structure_-(3)	JUNCTION	1.69	3.570	0.000
Structure_-(30)	JUNCTION	11.20	2.445	0.000
Structure_-(31)	JUNCTION	11.17	1.829	0.000
Structure_-(319)	JUNCTION	0.28	0.253	3.247
Structure_-(32)	JUNCTION	10.88	1.551	0.000
Structure_-(320)	JUNCTION	0.20	0.109	3.391
Structure_-(325)	JUNCTION	0.67	0.624	2.226
Structure_-(326)	JUNCTION	0.08	0.095	3.905
Structure_-(33)	JUNCTION	10.74	1.421	0.000
Structure_-(331)	JUNCTION	0.98	3.818	0.000
Structure_-(332)	JUNCTION	0.77	3.003	0.527
Structure_-(34)	JUNCTION	9.89	0.895	0.000
Structure_-(35)	JUNCTION	4.67	0.089	0.000

Structure_--(378)	JUNCTION	0.07	0.158	5.242
Structure_--(379)	JUNCTION	20.31	4.813	2.337
Structure_--(380)	JUNCTION	19.29	5.200	0.000
Structure_--(392)	JUNCTION	2.19	0.229	6.661
Structure_--(394)	JUNCTION	17.96	1.829	6.536
Structure_--(395)	JUNCTION	20.30	3.121	4.499
Structure_--(398)	JUNCTION	13.01	1.151	3.182
Structure_--(399)	JUNCTION	6.24	0.464	3.870
Structure_--(4)	JUNCTION	1.05	4.171	0.000
Structure_--(41)	JUNCTION	0.25	0.685	4.275
Structure_--(42)	JUNCTION	0.29	0.620	4.210
Structure_--(426)	JUNCTION	11.84	1.052	2.748
Structure_--(427)	JUNCTION	9.13	0.782	2.618
Structure_--(43)	JUNCTION	0.80	1.090	2.135
Structure_--(44)	JUNCTION	0.98	1.255	4.537
Structure_--(446)	JUNCTION	47.72	16.214	0.000
Structure_--(447)	JUNCTION	47.79	15.162	0.000
Structure_--(448)	JUNCTION	47.96	14.027	0.000
Structure_--(449)	JUNCTION	47.99	9.399	0.000
Structure_--(45)	JUNCTION	1.01	1.288	0.212
Structure_--(450)	JUNCTION	48.00	7.146	0.000
Structure_--(451)	JUNCTION	48.00	7.745	0.000
Structure_--(453)	JUNCTION	20.32	3.509	0.000
Structure_--(454)	JUNCTION	20.32	3.520	0.000
Structure_--(455)	JUNCTION	20.32	3.509	0.000
Structure_--(456)	JUNCTION	20.34	3.555	0.000
Structure_--(457)	JUNCTION	20.36	3.659	0.000
Structure_--(458)	JUNCTION	20.41	3.941	0.000
Structure_--(459)	JUNCTION	47.86	26.036	0.000
Structure_--(46)	JUNCTION	1.07	1.333	0.167
Structure_--(460)	JUNCTION	47.86	25.610	0.000
Structure_--(461)	JUNCTION	47.89	24.895	0.000
Structure_--(462)	JUNCTION	47.90	24.368	0.000
Structure_--(463)	JUNCTION	47.94	22.507	0.000
Structure_--(469)	JUNCTION	18.09	3.620	0.000
Structure_--(47)	JUNCTION	6.92	1.844	3.273
Structure_--(475)	JUNCTION	20.51	4.686	5.644
Structure_--(476)	JUNCTION	20.53	4.708	5.782
Structure_--(477)	JUNCTION	20.57	4.756	5.734
Structure_--(478)	JUNCTION	20.35	3.812	4.038
Structure_--(481)	JUNCTION	20.25	3.539	0.000
Structure_--(482)	JUNCTION	20.25	3.533	0.000
Structure_--(483)	JUNCTION	20.25	3.520	0.000
Structure_--(484)	JUNCTION	20.24	3.502	0.000
Structure_--(485)	JUNCTION	20.23	3.520	0.000
Structure_--(487)	JUNCTION	20.95	5.726	5.394
Structure_--(5)	JUNCTION	1.88	5.650	0.000
Structure_--(50)	JUNCTION	11.61	2.210	2.657
Structure_--(503)	JUNCTION	9.77	2.127	4.253
Structure_--(51)	JUNCTION	13.27	2.351	2.595
Structure_--(52)	JUNCTION	14.23	2.405	1.362
Structure_--(53)	JUNCTION	13.09	1.950	2.917
Structure_--(54)	JUNCTION	13.20	1.970	2.896

Structure_-(6)	JUNCTION	9.87	3.023	0.000
Structure_-(7)	JUNCTION	8.18	2.638	0.642
Structure_-(8)	JUNCTION	11.16	2.736	2.794
Structure_-(87)	JUNCTION	0.37	0.815	2.185
Structure_-(88)	JUNCTION	0.25	1.733	1.267
Structure_-(89)	JUNCTION	0.19	1.725	1.275
Structure_-(9)	JUNCTION	13.10	2.679	3.751
Structure_-(90)	JUNCTION	0.34	1.989	1.261
Structure520	JUNCTION	11.00	1.921	0.000
Structure587	JUNCTION	20.31	3.186	0.000
Structure593	JUNCTION	20.32	3.218	0.000
Structure602	JUNCTION	10.13	2.125	0.000
SU1-2_J1	JUNCTION	1.90	66.401	0.000
SU1-2_J1-2	JUNCTION	1.98	51.324	0.000
SU1-2_PSOut	JUNCTION	4.78	111.286	0.000
SU67-J1	JUNCTION	2.52	100.000	0.000
SU67-J2	JUNCTION	2.39	40.775	0.000
SU67-J3	JUNCTION	2.36	32.606	0.000
SU67-J4	JUNCTION	2.23	31.595	0.000
SU67-J5	JUNCTION	7.55	31.842	0.000
SU67-J6	JUNCTION	8.00	32.943	0.000
SU67-J7	JUNCTION	8.12	27.151	0.000

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#### Node Flooding Summary

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Flooding refers to all water that overflows a node, whether it ponds or not.

Node	Hours Flooded	Maximum Rate CFS	Time of Max Occurrence days hr:min	Total Flood Volume 10 <sup>6</sup> gal	Maximum Ponded Depth Feet
Culvert_Ditch12a	6.52	6.23	1 03:55	0.042	1.691
Culvert_Ditch12b	6.45	13.20	1 03:55	0.078	1.678
Culvert_Ditch12c	2.72	4.89	1 03:58	0.035	1.289
Ditch11_12	5.99	6.12	1 03:55	0.050	1.629
Facility77_PS	47.77	22.28	1 04:03	0.132	44.719
PSC_Outlet	12.13	7.36	1 04:44	0.289	48.236
Structure_-(1)	0.01	0.51	1 03:54	0.000	0.007
Structure_-(161)	0.17	1.24	1 04:12	0.001	0.025
Structure_-(162)	0.16	2.27	1 04:31	0.001	0.026
Structure_-(163)	0.28	2.45	1 04:32	0.002	0.049
Structure_-(164)	0.53	3.18	1 04:31	0.007	0.161
Structure_-(165)	0.76	4.10	1 04:33	0.009	0.363
Structure_-(166)	1.85	2.90	1 04:34	0.006	0.702
Structure_-(167)	8.87	2.18	1 20:13	0.014	1.234
Structure_-(168)	13.67	2.22	1 20:13	0.019	1.837
Structure_-(169)	15.74	2.41	1 20:12	0.025	2.393
Structure_-(172)	36.74	150.93	1 20:11	0.098	7.396
Structure_-(2)	0.01	0.30	1 03:54	0.000	0.000

Structure_-(20)	0.01	0.37	1	14:11	0.000	0.000
Structure_-(206)	15.76	1.98	1	20:16	0.020	2.412
Structure_-(207)	13.68	1.45	1	20:16	0.016	1.867
Structure_-(208)	8.89	1.62	1	20:16	0.011	1.266
Structure_-(209)	1.88	0.61	1	03:57	0.003	0.720
Structure_-(210)	0.84	0.47	1	04:03	0.001	0.444
Structure_-(211)	0.04	0.28	1	04:04	0.000	0.081
Structure_-(216)	16.46	2.48	1	05:49	0.033	2.874
Structure_-(217)	14.73	2.61	1	05:42	0.028	2.074
Structure_-(218)	12.46	2.19	1	05:42	0.024	1.617
Structure_-(219)	1.84	2.24	1	05:15	0.013	0.613
Structure_-(220)	0.33	2.67	1	04:11	0.001	0.149
Structure_-(221)	0.02	0.71	1	05:16	0.000	0.008
Structure_-(222)	0.01	0.77	1	05:48	0.000	0.002
Structure_-(223)	0.01	0.29	1	05:11	0.000	0.001
Structure_-(23)	20.04	1.34	1	03:57	0.010	13.318
Structure_-(233)	1.80	0.70	1	03:59	0.002	0.627
Structure_-(234)	1.90	0.76	1	03:58	0.002	0.690
Structure_-(235)	0.77	0.51	1	04:01	0.001	0.345
Structure_-(236)	0.88	0.51	1	03:59	0.001	0.473
Structure_-(237)	0.75	0.43	1	04:03	0.001	0.384
Structure_-(238)	0.04	0.48	1	04:06	0.000	0.081
Structure_-(239)	0.01	0.05	1	04:06	0.000	0.000
Structure_-(24)	0.94	0.00	1	08:58	0.000	0.096
Structure_-(241)	0.01	0.17	1	04:06	0.000	0.001
Structure_-(247)	15.75	1.94	1	20:16	0.017	2.389
Structure_-(248)	13.66	1.02	1	20:16	0.013	1.838
Structure_-(249)	8.88	1.42	1	20:15	0.009	1.227
Structure_-(25)	10.66	0.08	1	04:10	0.004	4.445
Structure_-(250)	1.84	0.60	1	03:59	0.002	0.700
Structure_-(251)	0.77	0.49	1	04:00	0.001	0.355
Structure_-(252)	0.03	0.24	1	04:04	0.000	0.049
Structure_-(257)	16.46	1.50	1	20:12	0.020	2.858
Structure_-(258)	14.75	0.89	1	20:16	0.014	2.092
Structure_-(259)	12.47	1.22	1	20:13	0.014	1.633
Structure_-(26)	10.82	0.08	1	04:21	0.005	3.965
Structure_-(260)	1.64	0.55	1	03:57	0.002	0.660
Structure_-(261)	0.23	0.33	1	04:04	0.000	0.216
Structure_-(27)	11.15	0.03	1	05:06	0.003	2.868
Structure_-(28)	11.24	0.02	1	05:22	0.002	2.759
Structure_-(29)	11.23	0.02	1	05:29	0.002	2.692
Structure_-(3)	0.01	0.14	1	03:54	0.000	0.000
Structure_-(30)	11.20	0.03	1	04:48	0.003	2.445
Structure_-(31)	11.15	0.02	1	06:17	0.002	1.829
Structure_-(32)	10.88	0.01	1	06:13	0.001	1.551
Structure_-(33)	10.74	0.01	1	06:12	0.002	1.421
Structure_-(331)	0.17	0.09	1	04:00	0.000	0.138
Structure_-(34)	9.88	0.01	1	09:05	0.001	0.895
Structure_-(35)	4.66	0.12	1	04:05	0.000	0.089
Structure_-(4)	0.01	0.91	1	03:54	0.000	0.001
Structure_-(446)	47.72	0.83	1	04:06	0.028	16.214
Structure_-(447)	47.79	1.30	0	00:02	0.029	15.162
Structure_-(448)	47.96	4.88	0	00:02	0.044	14.027

Structure_-(449)	47.99	22.68	0	00:00	0.028	9.399
Structure_-(450)	48.00	44.56	0	00:00	0.011	7.146
Structure_-(451)	48.00	289.37	0	00:00	0.011	7.745
Structure_-(453)	0.02	0.91	1	03:41	0.000	0.009
Structure_-(454)	0.03	0.94	1	03:40	0.000	0.020
Structure_-(455)	0.03	0.28	1	03:41	0.000	0.009
Structure_-(456)	0.65	1.13	1	04:05	0.002	0.221
Structure_-(457)	0.82	1.49	1	04:04	0.002	0.326
Structure_-(458)	1.69	46.93	1	20:11	0.006	0.608
Structure_-(459)	47.86	3.03	1	04:04	0.074	26.036
Structure_-(460)	47.86	1.83	1	04:04	0.047	25.610
Structure_-(461)	47.89	1.88	1	04:04	0.047	24.895
Structure_-(462)	47.90	2.83	1	04:04	0.072	24.368
Structure_-(463)	47.94	8.67	0	00:03	0.061	22.507
Structure_-(469)	0.99	55.49	1	20:11	0.003	0.620
Structure_-(481)	0.03	2.87	1	03:46	0.000	0.039
Structure_-(482)	0.02	3.38	1	03:44	0.000	0.033
Structure_-(483)	0.01	2.90	1	03:44	0.000	0.020
Structure_-(484)	0.01	0.59	1	03:46	0.000	0.002
Structure_-(485)	0.01	4.39	1	03:44	0.000	0.020
Structure_-(5)	0.01	0.99	1	03:54	0.000	0.000
Structure_-(6)	0.01	0.50	1	03:54	0.000	0.003
Structure520	0.98	0.98	1	04:46	0.005	0.071
Structure587	12.98	5.36	1	04:01	0.072	1.186
Structure593	13.06	5.50	1	04:01	0.073	1.218
Structure602	0.10	2.52	1	04:02	0.001	0.125
SU67-J1	0.01	1.52	1	04:02	0.000	100.000

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Storage Volume Summary  
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Time of Max Occurrence	Maximum Outflow Storage Unit	Average Volume	Avg Pcmt	Evap Pcmt	Exfil Pcmt	Maximum Volume	Max Pcmt
days hr:min	CFS	1000 ft3	Full	Loss	Loss	1000 ft3	Full
77_Thickeners		40.104	0	0	0	109.215	1
2 00:00	0.00						
Facility77_Inlet		5.729	56	0	0	8.473	83
1 20:11	877.55						
PS_SU6-7		0.481	29	0	0	0.991	60
1 04:59	10.24						
PSC_Sump		1.862	28	0	0	5.180	77
1 10:54	17.85						

RetenionPond		271.287	67	0	0	335.368	82
1 10:54	303.74						
SU1-2_PS		0.744	48	0	0	1.195	77
1 04:14	9.70						

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 Outfall Loading Summary  
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Outfall Node	Flow Freq Pcnt	Avg Flow CFS	Max Flow CFS	Total Volume 10^6 gal
5_Dummy_Outlet	0.00	0.00	0.00	0.000
C_Dummy_Outlet	0.00	0.00	0.00	0.000
D_Dummy_Outlet	0.00	0.00	0.00	0.000
E_Dummy_Outlet	0.00	0.00	0.00	0.000
F_Dummy_Outlet	0.00	0.00	0.00	0.000
G_Dummy_Outlet	0.00	0.00	0.00	0.000
H_Dummy_Outlet	0.00	0.00	0.00	0.000
Outfall_002A	80.10	6.05	14.50	4.582
Outfall003	89.61	2.73	35.68	2.405
System	18.86	8.78	41.25	6.987

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 Link Flow Summary  
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Max/ Full Link Depth	Type	Maximum  Flow  CFS	Time of Max Occurrence days hr:min	Maximum  Veloc  ft/sec	Max/ Full Flow
172_to_Inlet 1.00	CONDUIT	244.00	1 20:11	19.42	0.07
278_to_PS_B 0.98	CONDUIT	5.50	1 04:04	1.54	0.06
381_to_PS77 0.87	CONDUIT	930.73	1 20:10	37.34	3.89
458_to_Inlet 1.00	CONDUIT	48.97	1 20:11	22.45	0.20
469_to_Inlet 1.00	CONDUIT	56.42	1 20:11	17.96	0.10
C1_1	CONDUIT	10.09	1 04:07	1.87	0.08



0.27							
C1_2	CONDUIT	9.70	1	04:14	3.09	0.56	
1.00							
Culvert11	CONDUIT	9.43	1	03:55	3.12	0.45	
1.00							
Culvert12	CONDUIT	12.11	1	03:55	0.71	0.01	
1.00							
Culvert12a	CONDUIT	13.21	1	03:55	0.78	0.05	
1.00							
Ditch_77	CONDUIT	40.61	1	03:57	1.11	1.84	
1.00							
Ditch11	CONDUIT	9.68	1	03:50	0.16	0.01	
1.00							
Ditch12	CONDUIT	11.29	1	03:51	0.17	0.04	
1.00							
Ditch13	CONDUIT	2.88	1	04:06	0.07	0.25	
0.88							
Ditch14	CONDUIT	3.99	1	04:01	0.21	0.04	
0.63							
Ditch15	CONDUIT	4.80	1	04:15	1.53	0.24	
0.54							
Ditch16	CONDUIT	5.81	1	04:17	1.53	0.05	
0.31							
Ditch17	CONDUIT	6.83	1	04:17	0.78	0.02	
0.31							
Ditch18	CONDUIT	2.34	1	03:58	0.67	0.01	
0.81							
Ditch2	CONDUIT	0.00	0	00:00	0.00	0.00	
0.02							
Ditch3	CONDUIT	4.74	1	04:18	0.54	0.00	
0.07							
Ditch4_1	CONDUIT	8.18	1	04:05	0.64	0.01	
0.06							
Ditch4_2	CONDUIT	10.39	1	04:24	0.80	0.01	
0.07							
Ditch4_489	CONDUIT	37.15	1	04:18	1.21	0.42	
0.50							
Ditch5	CONDUIT	23.01	1	04:08	1.33	0.05	
0.26							
Ditch6	CONDUIT	28.93	1	04:15	1.90	0.52	
0.21							
Ditch7	CONDUIT	29.01	1	04:18	2.59	0.04	
0.16							
Ditch8	CONDUIT	35.68	1	04:17	4.21	0.04	
0.27							
Ditch9	CONDUIT	4.34	1	03:52	2.10	0.02	
0.37							
Facility73_to_Pond	CONDUIT	303.74	0	00:00	>50.00	87.74	
1.00							
Pipe_-(1)	CONDUIT	1.21	1	03:54	1.30	0.24	
1.00							
Pipe_-(10)	CONDUIT	5.20	1	03:54	0.85	0.97	
1.00							

1.00	Pipe_--(10)_ (1)	CONDUIT	5.51	1	04:02	0.97	0.41
1.00	Pipe_--(117)	CONDUIT	4.43	1	04:04	2.11	0.20
1.00	Pipe_--(118)	CONDUIT	3.15	1	04:04	3.93	0.31
0.62	Pipe_--(119)	CONDUIT	2.17	1	04:01	3.68	0.13
0.35	Pipe_--(120)	CONDUIT	0.89	1	04:01	2.33	0.27
0.30	Pipe_--(122)	CONDUIT	0.64	1	04:01	2.07	0.13
0.27	Pipe_--(123)	CONDUIT	0.39	1	04:00	2.32	0.11
0.41	Pipe_--(124)	CONDUIT	0.90	1	04:00	2.97	0.37
0.34	Pipe_--(125)	CONDUIT	0.65	1	04:00	2.74	0.15
0.22	Pipe_--(126)	CONDUIT	0.39	1	04:00	2.97	0.08
0.33	Pipe_--(127)	CONDUIT	1.03	1	04:00	2.94	0.21
0.31	Pipe_--(128)	CONDUIT	0.39	1	04:00	1.88	0.11
0.28	Pipe_--(130)	CONDUIT	0.39	1	04:00	2.12	0.07
1.00	Pipe_--(133)	CONDUIT	1.60	1	04:01	2.03	0.32
1.00	Pipe_--(134)	CONDUIT	1.34	1	04:01	1.70	0.76
1.00	Pipe_--(135)	CONDUIT	1.08	1	04:01	1.37	0.62
1.00	Pipe_--(136)	CONDUIT	0.82	1	04:01	1.52	0.11
1.00	Pipe_--(137)	CONDUIT	0.72	1	03:43	1.84	0.11
1.00	Pipe_--(138)	CONDUIT	1.42	1	03:43	2.57	0.21
1.00	Pipe_--(153)	CONDUIT	1.45	1	04:12	1.85	0.42
1.00	Pipe_--(154)	CONDUIT	2.41	1	04:12	1.97	0.38
1.00	Pipe_--(155)	CONDUIT	2.58	1	04:21	1.46	0.32
1.00	Pipe_--(156)	CONDUIT	3.38	1	04:21	1.40	0.34
1.00	Pipe_--(157)	CONDUIT	2.79	1	04:34	1.16	0.26
1.00	Pipe_--(158)	CONDUIT	2.98	1	04:05	1.24	0.29
1.00	Pipe_--(159)	CONDUIT	3.61	1	20:12	1.50	0.24
1.00	Pipe_--(160)	CONDUIT	3.83	1	20:12	1.22	0.35

1.00	Pipe_-(161)	CONDUIT	4.26	1	22:56	1.53	0.40
1.00	Pipe_-(162)	CONDUIT	11.96	1	22:56	5.60	0.17
1.00	Pipe_-(163)	CONDUIT	23.64	1	04:05	2.35	0.17
1.00	Pipe_-(164)	CONDUIT	8.86	1	04:05	1.99	0.09
1.00	Pipe_-(165)	CONDUIT	4.97	1	04:05	1.58	0.25
1.00	Pipe_-(166)	CONDUIT	1.56	1	04:00	0.88	0.27
1.00	Pipe_-(167)	CONDUIT	1.56	1	04:00	1.00	0.15
1.00	Pipe_-(168)	CONDUIT	1.30	1	04:00	1.14	0.18
1.00	Pipe_-(169)	CONDUIT	1.04	1	04:00	0.59	0.14
1.00	Pipe_-(170)	CONDUIT	0.78	1	04:00	0.63	0.17
1.00	Pipe_-(171)	CONDUIT	0.67	1	03:21	0.65	0.30
1.00	Pipe_-(172)	CONDUIT	0.35	1	03:23	0.50	0.12
1.00	Pipe_-(18)	CONDUIT	0.15	1	03:19	0.20	0.02
1.00	Pipe_-(19)	CONDUIT	1.09	1	03:24	0.69	0.21
1.00	Pipe_-(196)	CONDUIT	5.34	1	23:06	3.38	0.11
1.00	Pipe_-(197)	CONDUIT	3.27	1	04:05	1.04	0.30
1.00	Pipe_-(198)	CONDUIT	3.01	1	04:05	0.96	0.19
1.00	Pipe_-(199)	CONDUIT	2.77	1	04:06	1.15	0.19
1.00	Pipe_-(2)	CONDUIT	1.80	1	03:54	1.81	0.35
1.00	Pipe_-(20)	CONDUIT	0.40	1	14:11	1.00	0.08
1.00	Pipe_-(200)	CONDUIT	2.55	1	04:05	1.06	0.25
1.00	Pipe_-(201)	CONDUIT	2.22	1	04:06	0.92	0.22
1.00	Pipe_-(202)	CONDUIT	1.63	1	04:06	0.68	0.16
1.00	Pipe_-(203)	CONDUIT	0.82	1	04:06	0.46	0.10
1.00	Pipe_-(204)	CONDUIT	0.57	1	04:06	0.47	0.09
1.00	Pipe_-(205)	CONDUIT	0.34	1	03:26	0.57	0.10
1.00							

1.00	Pipe_-(206)	CONDUIT	3.99	1	04:05	1.27	0.07
1.00	Pipe_-(207)	CONDUIT	3.73	1	04:05	1.19	0.35
1.00	Pipe_-(208)	CONDUIT	3.41	1	04:04	1.09	0.19
1.00	Pipe_-(209)	CONDUIT	3.06	1	04:05	1.02	0.18
1.00	Pipe_-(210)	CONDUIT	2.80	1	04:05	1.16	0.21
1.00	Pipe_-(211)	CONDUIT	2.93	1	04:12	1.22	0.24
1.00	Pipe_-(212)	CONDUIT	2.08	1	04:12	0.87	0.18
1.00	Pipe_-(213)	CONDUIT	1.61	1	04:12	0.67	0.14
1.00	Pipe_-(214)	CONDUIT	1.29	1	04:28	0.73	0.16
1.00	Pipe_-(215)	CONDUIT	1.11	1	04:28	0.90	0.22
1.00	Pipe_-(22)	CONDUIT	0.50	1	05:12	10.21	9.66
1.00	Pipe_-(221)	CONDUIT	10.82	1	04:05	1.79	0.11
1.00	Pipe_-(222)	CONDUIT	6.36	1	04:05	1.73	0.12
1.00	Pipe_-(223)	CONDUIT	3.08	1	04:07	1.32	0.12
1.00	Pipe_-(224)	CONDUIT	3.08	1	04:07	1.65	0.16
1.00	Pipe_-(225)	CONDUIT	2.66	1	04:06	0.85	0.13
1.00	Pipe_-(226)	CONDUIT	2.64	1	04:06	1.10	0.18
1.00	Pipe_-(227)	CONDUIT	2.30	1	04:06	0.96	0.23
1.00	Pipe_-(228)	CONDUIT	1.89	1	04:06	0.79	0.17
1.00	Pipe_-(229)	CONDUIT	1.36	1	04:06	0.62	0.14
1.00	Pipe_-(23)	CONDUIT	0.50	1	05:14	2.55	1.71
1.00	Pipe_-(230)	CONDUIT	0.76	1	04:06	0.43	0.09
1.00	Pipe_-(231)	CONDUIT	0.66	1	04:06	0.85	0.10
1.00	Pipe_-(232)	CONDUIT	0.42	1	04:06	0.53	0.13
1.00	Pipe_-(234)	CONDUIT	3.67	1	04:00	2.08	0.47
0.71	Pipe_-(235)	CONDUIT	2.45	1	04:00	1.83	0.21
	Pipe_-(236)	CONDUIT	1.22	1	04:00	2.08	0.20

0.40							
1.00	Pipe_-(237)	CONDUIT	13.36	1	22:58	5.92	0.15
1.00	Pipe_-(238)	CONDUIT	3.85	1	22:58	1.56	0.34
1.00	Pipe_-(239)	CONDUIT	2.84	1	04:05	1.33	0.18
1.00	Pipe_-(24)	CONDUIT	0.47	1	06:05	2.37	1.59
1.00	Pipe_-(240)	CONDUIT	2.65	1	04:06	1.10	0.18
1.00	Pipe_-(241)	CONDUIT	2.42	1	04:06	1.01	0.24
1.00	Pipe_-(242)	CONDUIT	2.10	1	04:05	0.87	0.19
1.00	Pipe_-(243)	CONDUIT	1.51	1	04:05	0.64	0.15
1.00	Pipe_-(244)	CONDUIT	0.80	1	04:05	0.46	0.10
1.00	Pipe_-(245)	CONDUIT	0.57	1	03:19	0.54	0.09
1.00	Pipe_-(246)	CONDUIT	0.31	1	03:27	0.60	0.09
1.00	Pipe_-(247)	CONDUIT	12.96	1	22:59	5.89	0.12
1.00	Pipe_-(248)	CONDUIT	4.52	1	22:59	1.55	0.42
1.00	Pipe_-(249)	CONDUIT	4.09	1	04:04	1.30	0.22
1.00	Pipe_-(25)	CONDUIT	0.44	1	07:09	2.22	1.49
1.00	Pipe_-(250)	CONDUIT	3.80	1	04:05	1.21	0.22
1.00	Pipe_-(251)	CONDUIT	3.56	1	04:05	1.48	0.26
1.00	Pipe_-(252)	CONDUIT	2.96	1	04:05	1.23	0.24
1.00	Pipe_-(253)	CONDUIT	2.20	1	04:00	0.92	0.19
1.00	Pipe_-(254)	CONDUIT	1.94	1	04:00	0.81	0.17
1.00	Pipe_-(255)	CONDUIT	1.68	1	04:00	0.95	0.21
1.00	Pipe_-(256)	CONDUIT	1.42	1	04:00	1.16	0.27
1.00	Pipe_-(257)	CONDUIT	1.17	1	04:00	1.48	0.42
1.00	Pipe_-(258)	CONDUIT	0.91	1	04:00	2.02	3.69
1.00	Pipe_-(259)	CONDUIT	0.65	1	04:00	1.77	0.24
1.00	Pipe_-(26)	CONDUIT	0.41	1	08:00	2.11	1.40

Pipe_-(260)	CONDUIT	0.26	1	03:59	2.05	0.49
1.00						
Pipe_-(261)	CONDUIT	0.34	1	20:13	0.85	0.13
1.00						
Pipe_-(264)	CONDUIT	0.38	1	04:01	1.79	0.14
0.23						
Pipe_-(265)	CONDUIT	0.64	1	04:00	1.93	0.13
0.24						
Pipe_-(266)	CONDUIT	0.90	1	04:01	2.80	0.13
0.24						
Pipe_-(267)	CONDUIT	1.94	1	04:05	3.07	0.13
0.40						
Pipe_-(268)	CONDUIT	6.58	1	04:32	4.32	0.26
0.77						
Pipe_-(27)	CONDUIT	0.40	1	08:39	2.05	1.40
1.00						
Pipe_-(277)	CONDUIT	1.29	1	04:00	3.36	0.11
0.61						
Pipe_-(278)	CONDUIT	0.39	1	04:00	0.50	0.11
0.96						
Pipe_-(28)	CONDUIT	0.39	1	09:03	1.99	1.33
1.00						
Pipe_-(285)	CONDUIT	0.65	1	04:00	0.83	0.20
0.97						
Pipe_-(288)	CONDUIT	0.39	1	04:00	1.34	0.03
0.20						
Pipe_-(29)	CONDUIT	0.38	1	09:48	1.92	1.30
1.00						
Pipe_-(295)	CONDUIT	0.65	1	04:00	2.35	0.06
0.58						
Pipe_-(296)	CONDUIT	0.39	1	04:00	0.51	0.12
0.93						
Pipe_-(3)	CONDUIT	2.42	1	03:54	2.06	0.48
1.00						
Pipe_-(30)	CONDUIT	0.37	1	10:04	1.86	1.27
1.00						
Pipe_-(307)	CONDUIT	2.06	1	04:00	1.17	0.43
1.00						
Pipe_-(308)	CONDUIT	6.47	1	04:00	3.66	1.39
1.00						
Pipe_-(309)	CONDUIT	8.72	1	04:00	5.26	1.92
0.89						
Pipe_-(31)	CONDUIT	0.36	1	10:19	1.83	1.23
1.00						
Pipe_-(310)	CONDUIT	13.82	1	04:00	7.79	0.78
0.69						
Pipe_-(311)	CONDUIT	18.35	1	04:00	5.64	0.54
0.63						
Pipe_-(312)	CONDUIT	19.35	1	04:01	4.95	0.87
0.76						
Pipe_-(313)	CONDUIT	2.25	1	03:59	1.84	1.54
1.00						
Pipe_-(314)	CONDUIT	2.05	1	04:00	2.73	0.52

1.00							
Pipe_-(319)	CONDUIT	1.98	1	04:03	10.11	1.42	
1.00							
Pipe_-(32)	CONDUIT	0.35	1	10:44	2.05	1.21	
1.00							
Pipe_-(320)	CONDUIT	2.05	1	04:00	10.44	1.29	
1.00							
Pipe_-(321)	CONDUIT	2.46	1	04:00	3.10	0.19	
0.62							
Pipe_-(322)	CONDUIT	2.25	1	04:00	2.49	0.45	
0.69							
Pipe_-(323)	CONDUIT	2.05	1	04:00	2.94	1.51	
0.83							
Pipe_-(327)	CONDUIT	2.46	1	04:00	1.73	0.45	
0.75							
Pipe_-(328)	CONDUIT	2.25	1	04:00	3.16	0.39	
0.58							
Pipe_-(329)	CONDUIT	2.05	1	04:00	4.30	0.45	
0.58							
Pipe_-(33)	CONDUIT	0.35	1	11:25	1.78	1.20	
1.00							
Pipe_-(331)	CONDUIT	2.05	1	04:00	6.02	0.36	
0.51							
Pipe_-(333)	CONDUIT	2.25	1	04:00	2.87	1.62	
1.00							
Pipe_-(334)	CONDUIT	2.05	1	04:00	4.88	0.25	
0.67							
Pipe_-(337)	CONDUIT	4.21	1	04:06	0.77	0.19	
0.48							
Pipe_-(338)	CONDUIT	3.68	1	04:06	1.00	0.16	
0.46							
Pipe_-(34)	CONDUIT	0.35	1	11:32	2.24	1.19	
1.00							
Pipe_-(340)	CONDUIT	0.82	1	04:00	0.52	0.02	
0.51							
Pipe_-(35)	CONDUIT	3.22	1	04:06	1.91	0.07	
0.26							
Pipe_-(358)	CONDUIT	2.70	1	03:45	5.90	0.28	
0.43							
Pipe_-(359)	CONDUIT	0.26	1	04:00	2.09	0.04	
0.24							
Pipe_-(36)	CONDUIT	6.97	1	04:06	3.13	0.14	
0.33							
Pipe_-(360)	CONDUIT	2.85	1	03:45	5.56	0.43	
0.58							
Pipe_-(361)	CONDUIT	0.26	1	04:00	2.20	0.20	
0.37							
Pipe_-(362)	CONDUIT	0.52	1	04:00	2.94	0.35	
0.51							
Pipe_-(363)	CONDUIT	0.78	1	04:00	3.79	0.61	
0.77							
Pipe_-(364)	CONDUIT	1.35	1	04:04	5.10	0.40	
0.82							

Pipe_-(365)	CONDUIT	1.79	1	04:04	7.50	0.15
1.00						
Pipe_-(366)	CONDUIT	42.35	1	04:01	4.43	0.48
1.00						
Pipe_-(367)	CONDUIT	42.36	1	04:01	5.24	0.80
1.00						
Pipe_-(369)	CONDUIT	0.49	1	04:25	7.19	0.08
0.80						
Pipe_-(37)	CONDUIT	9.81	1	04:06	4.23	0.20
0.38						
Pipe_-(370)	CONDUIT	43.74	1	04:01	6.19	6.98
1.00						
Pipe_-(374)	CONDUIT	0.00	0	00:00	0.00	0.00
0.00						
Pipe_-(375)	CONDUIT	0.00	0	00:00	0.00	0.00
0.11						
Pipe_-(376)	CONDUIT	0.26	1	04:00	1.77	0.06
0.16						
Pipe_-(377)	CONDUIT	0.50	1	03:58	1.26	0.05
1.00						
Pipe_-(378)	CONDUIT	2.07	1	03:55	5.35	0.12
1.00						
Pipe_-(379)	CONDUIT	2.32	1	03:55	1.31	0.14
1.00						
Pipe_-(38)	CONDUIT	10.43	1	04:06	6.24	0.21
0.41						
Pipe_-(380)	CONDUIT	0.51	1	04:00	4.00	0.10
0.60						
Pipe_-(381)	CONDUIT	0.26	1	04:00	6.32	0.01
0.34						
Pipe_-(382)	CONDUIT	0.52	1	04:02	2.20	0.26
1.00						
Pipe_-(383)	CONDUIT	0.26	1	04:00	3.03	0.13
1.00						
Pipe_-(384)	CONDUIT	1.03	1	04:00	4.97	0.21
0.78						
Pipe_-(385)	CONDUIT	0.77	1	04:00	4.79	0.45
0.47						
Pipe_-(386)	CONDUIT	0.52	1	04:00	4.87	0.25
0.34						
Pipe_-(387)	CONDUIT	0.26	1	04:00	3.13	0.12
0.29						
Pipe_-(389)	CONDUIT	0.26	1	04:00	8.40	0.04
0.57						
Pipe_-(39)	CONDUIT	12.83	1	04:00	3.45	0.09
0.72						
Pipe_-(390)	CONDUIT	2.82	1	04:01	2.91	0.46
0.54						
Pipe_-(4)	CONDUIT	3.13	1	03:54	2.01	0.29
1.00						
Pipe_-(40)	CONDUIT	12.34	1	03:59	2.20	0.36
1.00						
Pipe_-(404)	CONDUIT	0.59	1	03:59	1.07	0.08



1.00							
	Pipe_-(405)	CONDUIT	0.34	1	03:59	2.00	0.14
1.00							
	Pipe_-(408)	CONDUIT	14.50	1	05:52	6.83	0.24
0.45							
	Pipe_-(409)	CONDUIT	13.38	1	12:37	6.69	0.32
0.54							
	Pipe_-(41)	CONDUIT	20.12	1	04:04	3.12	0.35
1.00							
	Pipe_-(410)	CONDUIT	13.38	1	12:37	5.48	0.32
0.51							
	Pipe_-(411)	CONDUIT	13.37	1	12:37	6.31	0.32
0.45							
	Pipe_-(412)	CONDUIT	13.37	1	12:44	6.96	0.38
0.41							
	Pipe_-(42)	CONDUIT	20.77	1	04:04	2.39	0.43
1.00							
	Pipe_-(423)	CONDUIT	18.61	1	06:25	10.53	1.66
1.00							
	Pipe_-(424)	CONDUIT	18.59	1	06:28	10.52	1.68
1.00							
	Pipe_-(425)	CONDUIT	18.57	1	06:33	10.51	1.66
1.00							
	Pipe_-(426)	CONDUIT	22.68	0	00:00	13.00	2.02
1.00							
	Pipe_-(427)	CONDUIT	47.92	0	00:00	27.12	4.35
1.00							
	Pipe_-(429)	CONDUIT	5.17	1	03:40	5.08	1.84
1.00							
	Pipe_-(43)	CONDUIT	21.40	1	04:04	2.62	0.43
1.00							
	Pipe_-(430)	CONDUIT	5.08	1	03:41	3.66	1.70
1.00							
	Pipe_-(431)	CONDUIT	5.10	1	03:41	2.89	1.06
1.00							
	Pipe_-(432)	CONDUIT	5.11	1	03:41	2.34	0.78
1.00							
	Pipe_-(433)	CONDUIT	5.15	1	03:41	2.36	1.08
1.00							
	Pipe_-(434)	CONDUIT	19.59	1	04:28	8.98	1.42
1.00							
	Pipe_-(435)	CONDUIT	18.79	1	05:19	8.61	1.39
1.00							
	Pipe_-(436)	CONDUIT	18.73	1	05:41	8.59	1.24
1.00							
	Pipe_-(437)	CONDUIT	18.69	1	05:54	8.57	1.39
1.00							
	Pipe_-(438)	CONDUIT	18.65	1	06:09	8.55	1.36
1.00							
	Pipe_-(439)	CONDUIT	18.62	1	06:20	24.85	0.06
1.00							
	Pipe_-(44)	CONDUIT	21.65	1	04:04	3.16	0.44
1.00							

Pipe_-(443)	CONDUIT	7.18	1	20:11	3.48	0.16
0.97						
Pipe_-(444)	CONDUIT	4.44	1	20:12	3.92	0.27
0.91						
Pipe_-(445)	CONDUIT	3.91	1	20:12	2.96	0.23
0.85						
Pipe_-(446)	CONDUIT	2.89	1	20:12	2.43	0.16
0.80						
Pipe_-(447)	CONDUIT	0.27	1	03:59	0.64	0.05
1.00						
Pipe_-(448)	CONDUIT	0.52	1	04:00	0.79	0.09
1.00						
Pipe_-(449)	CONDUIT	1.04	1	03:59	0.85	0.17
1.00						
Pipe_-(45)	CONDUIT	21.89	1	04:04	1.54	0.37
1.00						
Pipe_-(450)	CONDUIT	44.76	1	04:01	6.33	2.95
1.00						
Pipe_-(452)	CONDUIT	4.96	1	03:44	3.20	6.08
1.00						
Pipe_-(453)	CONDUIT	5.22	1	03:44	2.95	1.62
1.00						
Pipe_-(454)	CONDUIT	5.96	1	03:44	3.37	2.03
1.00						
Pipe_-(455)	CONDUIT	5.72	1	03:44	3.27	0.62
1.00						
Pipe_-(456)	CONDUIT	5.19	1	03:44	3.01	0.99
1.00						
Pipe_-(460)	CONDUIT	0.26	1	03:59	1.32	0.51
1.00						
Pipe_-(461)	CONDUIT	38.69	1	03:54	5.47	25.01
1.00						
Pipe_-(462)	CONDUIT	44.80	1	03:55	6.56	1.29
1.00						
Pipe_-(467)	CONDUIT	23.13	1	04:05	4.16	0.56
0.48						
Pipe_-(47)	CONDUIT	32.00	1	04:05	2.25	0.43
1.00						
Pipe_-(474)	CONDUIT	1.54	1	04:00	2.63	0.25
0.37						
Pipe_-(49)	CONDUIT	32.62	1	04:05	2.29	0.61
1.00						
Pipe_-(5)	CONDUIT	3.72	1	03:54	1.92	0.34
1.00						
Pipe_-(50)	CONDUIT	33.23	1	04:05	2.34	0.75
1.00						
Pipe_-(51)	CONDUIT	37.08	1	04:04	2.61	4.63
1.00						
Pipe_-(52)	CONDUIT	38.55	1	04:04	2.71	1.92
1.00						
Pipe_-(53)	CONDUIT	38.56	1	04:04	2.71	0.72
1.00						
Pipe_-(54)	CONDUIT	2.93	1	04:02	3.42	0.58

0.53							
Pipe_-(55)	CONDUIT	2.55	1	04:01	2.77	0.51	
0.52							
Pipe_-(56)	CONDUIT	2.18	1	04:01	2.55	0.43	
0.49							
Pipe_-(57)	CONDUIT	1.79	1	04:01	2.35	0.35	
0.45							
Pipe_-(58)	CONDUIT	1.41	1	04:00	2.05	0.27	
0.41							
Pipe_-(59)	CONDUIT	1.03	1	04:00	1.72	0.20	
0.37							
Pipe_-(6)	CONDUIT	3.96	1	03:54	1.26	0.36	
1.00							
Pipe_-(60)	CONDUIT	0.64	1	04:00	1.48	0.13	
0.29							
Pipe_-(65)	CONDUIT	3.43	1	04:02	3.05	0.67	
0.68							
Pipe_-(66)	CONDUIT	3.17	1	04:03	4.02	0.19	
0.48							
Pipe_-(67)	CONDUIT	3.14	1	04:02	5.19	0.62	
0.38							
Pipe_-(68)	CONDUIT	2.30	1	04:02	2.89	0.45	
0.46							
Pipe_-(69)	CONDUIT	1.92	1	04:02	2.49	0.38	
0.45							
Pipe_-(7)	CONDUIT	4.19	1	03:54	1.10	0.24	
1.00							
Pipe_-(70)	CONDUIT	1.53	1	04:01	2.28	0.30	
0.41							
Pipe_-(71)	CONDUIT	1.15	1	04:01	2.07	0.23	
0.35							
Pipe_-(72)	CONDUIT	0.77	1	04:00	1.78	0.15	
0.29							
Pipe_-(73)	CONDUIT	0.39	1	04:00	1.40	0.12	
0.28							
Pipe_-(74)	CONDUIT	2.60	1	04:05	2.16	0.52	
0.80							
Pipe_-(75)	CONDUIT	2.20	1	04:06	2.24	0.43	
0.67							
Pipe_-(76)	CONDUIT	1.77	1	04:02	2.31	0.35	
0.53							
Pipe_-(77)	CONDUIT	1.41	1	04:01	2.20	0.28	
0.42							
Pipe_-(78)	CONDUIT	1.02	1	04:01	1.98	0.20	
0.33							
Pipe_-(79)	CONDUIT	0.64	1	04:00	1.65	0.13	
0.27							
Pipe_-(8)	CONDUIT	4.65	1	03:54	0.95	0.27	
1.00							
Pipe_-(80)	CONDUIT	0.26	1	04:00	1.13	0.08	
0.24							
Pipe_-(81)	CONDUIT	9.42	1	04:01	4.04	0.22	
0.87							

1.00	Pipe_-(82)	CONDUIT	8.32	1	04:01	2.89	0.57
1.00	Pipe_-(83)	CONDUIT	7.74	1	04:00	2.87	0.51
1.00	Pipe_-(84)	CONDUIT	7.43	1	04:00	2.88	0.53
1.00	Pipe_-(85)	CONDUIT	6.81	1	04:00	3.02	1.08
0.80	Pipe_-(87)	CONDUIT	6.13	1	04:00	4.06	0.24
0.54	Pipe_-(88)	CONDUIT	4.74	1	04:01	5.76	0.40
0.45	Pipe_-(89)	CONDUIT	4.10	1	04:01	4.08	0.38
1.00	Pipe_-(9)	CONDUIT	4.93	1	03:54	1.00	0.75
0.45	Pipe_-(90)	CONDUIT	3.46	1	04:01	3.39	0.62
0.55	Pipe_-(91)	CONDUIT	2.82	1	04:01	2.89	0.92
0.47	Pipe_-(92)	CONDUIT	2.18	1	04:01	2.71	0.35
0.39	Pipe_-(93)	CONDUIT	1.54	1	04:01	2.38	0.25
0.31	Pipe_-(94)	CONDUIT	0.90	1	04:01	1.92	0.14
0.23	Pipe_-(95)	CONDUIT	0.52	1	04:00	1.68	0.08
0.18	Pipe_-(96)	CONDUIT	0.26	1	04:00	1.20	0.04
0.22	Pipe_-(97)	CONDUIT	0.39	1	04:00	1.37	0.06
0.85	Pipe_PS_A	CONDUIT	7.28	1	03:44	5.81	0.08
1.00	Pipe_PS_B	CONDUIT	9.61	1	04:05	1.96	2.44
0.70	Pipe468	CONDUIT	24.97	1	03:57	11.25	4.00
1.00	Pipe483	CONDUIT	2.05	1	04:00	2.61	0.53
0.77	PSC_Overflow	CONDUIT	4.48	1	10:54	5.10	0.55
0.82	PSC_to_Outfall	CONDUIT	13.37	1	12:44	6.97	0.52
1.00	Roadside_Culvert	CONDUIT	6.07	1	03:55	1.93	0.35
1.00	SU1-2_Force1	CONDUIT	5.57	1	03:42	10.00	96.51
1.00	SU1-2_Force2_1	CONDUIT	5.57	1	03:42	7.19	1.56
0.89	SU1-2_Force2_2	CONDUIT	5.57	1	03:42	7.87	1.56
	SU1-2_Force3	CONDUIT	5.79	1	04:45	9.26	0.85







Pipe_-(155)	1.00	0.00	0.13	0.00	0.87	0.00	0.00	0.00
0.39 0.00								
Pipe_-(156)	1.00	0.00	0.13	0.00	0.87	0.00	0.00	0.00
0.34 0.00								
Pipe_-(157)	1.00	0.00	0.12	0.00	0.88	0.00	0.00	0.00
0.33 0.00								
Pipe_-(158)	1.00	0.00	0.12	0.00	0.88	0.00	0.00	0.00
0.26 0.00								
Pipe_-(159)	1.00	0.00	0.14	0.00	0.86	0.00	0.00	0.00
0.14 0.00								
Pipe_-(160)	1.00	0.00	0.00	0.00	0.87	0.00	0.00	0.13
0.01 0.00								
Pipe_-(161)	1.00	0.00	0.04	0.00	0.96	0.00	0.00	0.00
0.15 0.00								
Pipe_-(162)	1.00	0.16	0.00	0.00	0.79	0.00	0.00	0.04
0.02 0.00								
Pipe_-(163)	1.00	0.15	0.01	0.00	0.84	0.00	0.00	0.00
0.00 0.00								
Pipe_-(164)	1.00	0.16	0.02	0.00	0.81	0.00	0.00	0.00
0.04 0.00								
Pipe_-(165)	1.00	0.13	0.00	0.00	0.87	0.00	0.00	0.00
0.01 0.00								
Pipe_-(166)	1.00	0.01	0.05	0.00	0.95	0.00	0.00	0.00
0.16 0.00								
Pipe_-(167)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.13 0.00								
Pipe_-(168)	1.00	0.00	0.12	0.00	0.88	0.00	0.00	0.00
0.15 0.00								
Pipe_-(169)	1.00	0.00	0.12	0.00	0.88	0.00	0.00	0.00
0.37 0.00								
Pipe_-(170)	1.00	0.00	0.11	0.00	0.89	0.00	0.00	0.00
0.46 0.00								
Pipe_-(171)	1.00	0.11	0.06	0.00	0.82	0.00	0.00	0.00
0.03 0.00								
Pipe_-(172)	1.00	0.00	0.11	0.00	0.89	0.00	0.00	0.00
0.51 0.00								
Pipe_-(18)	1.00	0.00	0.36	0.00	0.64	0.00	0.00	0.00
0.33 0.00								
Pipe_-(19)	1.00	0.00	0.05	0.00	0.95	0.00	0.00	0.00
0.64 0.00								
Pipe_-(196)	1.00	0.01	0.12	0.00	0.87	0.00	0.00	0.00
0.02 0.00								
Pipe_-(197)	1.00	0.00	0.05	0.00	0.95	0.00	0.00	0.00
0.15 0.00								
Pipe_-(198)	1.00	0.05	0.08	0.00	0.87	0.00	0.00	0.00
0.08 0.00								
Pipe_-(199)	1.00	0.00	0.14	0.00	0.86	0.00	0.00	0.00
0.14 0.00								
Pipe_-(2)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.74 0.00								
Pipe_-(20)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.34 0.00								
Pipe_-(200)	1.00	0.00	0.12	0.00	0.88	0.00	0.00	0.00





Pipe_-(230)	1.00	0.00	0.14	0.00	0.85	0.00	0.00	0.00
0.38 0.00								
Pipe_-(231)	1.00	0.14	0.00	0.00	0.86	0.00	0.00	0.00
0.48 0.00								
Pipe_-(232)	1.00	0.00	0.12	0.00	0.88	0.00	0.00	0.00
0.51 0.00								
Pipe_-(234)	1.00	0.09	0.00	0.00	0.90	0.00	0.00	0.00
0.02 0.00								
Pipe_-(235)	1.00	0.09	0.01	0.00	0.89	0.00	0.00	0.00
0.03 0.00								
Pipe_-(236)	1.00	0.11	0.00	0.00	0.89	0.00	0.00	0.00
0.72 0.00								
Pipe_-(237)	1.00	0.16	0.00	0.00	0.84	0.00	0.00	0.00
0.06 0.00								
Pipe_-(238)	1.00	0.00	0.05	0.00	0.95	0.00	0.00	0.00
0.16 0.00								
Pipe_-(239)	1.00	0.05	0.08	0.00	0.87	0.00	0.00	0.00
0.08 0.00								
Pipe_-(24)	1.00	0.45	0.00	0.00	0.55	0.00	0.00	0.00
0.00 0.00								
Pipe_-(240)	1.00	0.00	0.14	0.00	0.86	0.00	0.00	0.00
0.14 0.00								
Pipe_-(241)	1.00	0.00	0.12	0.00	0.88	0.00	0.00	0.00
0.26 0.00								
Pipe_-(242)	1.00	0.00	0.12	0.00	0.88	0.00	0.00	0.00
0.33 0.00								
Pipe_-(243)	1.00	0.00	0.13	0.00	0.87	0.00	0.00	0.00
0.34 0.00								
Pipe_-(244)	1.00	0.00	0.13	0.00	0.87	0.00	0.00	0.00
0.39 0.00								
Pipe_-(245)	1.00	0.00	0.13	0.00	0.86	0.00	0.00	0.00
0.47 0.00								
Pipe_-(246)	1.00	0.00	0.12	0.00	0.88	0.00	0.00	0.00
0.51 0.00								
Pipe_-(247)	1.00	0.16	0.00	0.00	0.84	0.00	0.00	0.00
0.05 0.00								
Pipe_-(248)	1.00	0.00	0.05	0.00	0.95	0.00	0.00	0.00
0.15 0.00								
Pipe_-(249)	1.00	0.05	0.09	0.00	0.87	0.00	0.00	0.00
0.08 0.00								
Pipe_-(25)	1.00	0.45	0.00	0.00	0.55	0.00	0.00	0.00
0.01 0.00								
Pipe_-(250)	1.00	0.00	0.13	0.00	0.87	0.00	0.00	0.00
0.10 0.00								
Pipe_-(251)	1.00	0.00	0.13	0.00	0.87	0.00	0.00	0.00
0.31 0.00								
Pipe_-(252)	1.00	0.00	0.12	0.00	0.88	0.00	0.00	0.00
0.34 0.00								
Pipe_-(253)	1.00	0.00	0.12	0.00	0.87	0.00	0.00	0.00
0.37 0.00								
Pipe_-(254)	1.00	0.00	0.12	0.00	0.88	0.00	0.00	0.00
0.43 0.00								
Pipe_-(255)	1.00	0.00	0.12	0.00	0.88	0.00	0.00	0.00



Pipe_-(31)	1.00	0.45	0.00	0.00	0.55	0.00	0.00	0.00
0.16 0.00								
Pipe_-(310)	1.00	0.00	0.00	0.00	0.00	0.15	0.00	0.85
0.09 0.00								
Pipe_-(311)	1.00	0.08	0.03	0.00	0.88	0.01	0.00	0.00
0.83 0.00								
Pipe_-(312)	1.00	0.00	0.08	0.00	0.92	0.00	0.00	0.00
0.94 0.00								
Pipe_-(313)	1.00	0.00	0.11	0.00	0.89	0.00	0.00	0.00
0.29 0.00								
Pipe_-(314)	1.00	0.00	0.00	0.00	0.89	0.00	0.00	0.11
0.84 0.00								
Pipe_-(319)	1.00	0.00	0.11	0.00	0.85	0.04	0.00	0.00
0.82 0.00								
Pipe_-(32)	1.00	0.45	0.00	0.00	0.54	0.00	0.00	0.00
0.01 0.00								
Pipe_-(320)	1.00	0.00	0.11	0.00	0.84	0.04	0.00	0.00
0.82 0.00								
Pipe_-(321)	1.00	0.00	0.12	0.00	0.88	0.00	0.00	0.00
0.84 0.00								
Pipe_-(322)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.15 0.00								
Pipe_-(323)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.72 0.00								
Pipe_-(327)	1.00	0.00	0.12	0.00	0.88	0.00	0.00	0.00
0.66 0.00								
Pipe_-(328)	1.00	0.12	0.00	0.00	0.04	0.02	0.00	0.82
0.04 0.00								
Pipe_-(329)	1.00	0.00	0.12	0.00	0.84	0.04	0.00	0.00
0.84 0.00								
Pipe_-(33)	1.00	0.43	0.03	0.00	0.55	0.00	0.00	0.00
0.17 0.00								
Pipe_-(331)	1.00	0.11	0.00	0.00	0.00	0.03	0.00	0.86
0.02 0.00								
Pipe_-(333)	1.00	0.11	0.00	0.00	0.78	0.00	0.00	0.10
0.03 0.00								
Pipe_-(334)	1.00	0.00	0.00	0.00	0.04	0.06	0.00	0.90
0.07 0.00								
Pipe_-(337)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.15 0.00								
Pipe_-(338)	1.00	0.00	0.15	0.00	0.78	0.00	0.08	0.00
0.38 0.00								
Pipe_-(34)	1.00	0.00	0.43	0.00	0.57	0.00	0.00	0.00
0.00 0.00								
Pipe_-(340)	1.00	0.08	0.05	0.00	0.87	0.00	0.00	0.00
0.83 0.00								
Pipe_-(35)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.97 0.00								
Pipe_-(358)	1.00	0.01	0.00	0.00	0.98	0.01	0.00	0.00
0.96 0.00								
Pipe_-(359)	1.00	0.00	0.00	0.00	0.98	0.02	0.00	0.00
0.04 0.00								
Pipe_-(36)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00



Pipe_-(389)	1.00	0.00	0.00	0.00	0.55	0.00	0.00	0.44
0.42 0.00								
Pipe_-(39)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.98 0.00								
Pipe_-(390)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.93 0.00								
Pipe_-(4)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.68 0.00								
Pipe_-(40)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.14 0.00								
Pipe_-(404)	1.00	0.00	0.03	0.00	0.95	0.02	0.00	0.00
0.56 0.00								
Pipe_-(405)	1.00	0.14	0.00	0.00	0.56	0.00	0.00	0.30
0.11 0.00								
Pipe_-(408)	1.00	0.16	0.00	0.00	0.00	0.84	0.00	0.00
0.00 0.00								
Pipe_-(409)	1.00	0.16	0.39	0.00	0.42	0.03	0.00	0.00
0.14 0.00								
Pipe_-(41)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.66 0.00								
Pipe_-(410)	1.00	0.44	0.01	0.00	0.47	0.09	0.00	0.00
0.14 0.00								
Pipe_-(411)	1.00	0.44	0.03	0.00	0.16	0.37	0.00	0.00
0.15 0.00								
Pipe_-(412)	1.00	0.47	0.00	0.00	0.16	0.37	0.00	0.00
0.38 0.00								
Pipe_-(42)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.22 0.00								
Pipe_-(423)	1.00	0.00	0.00	0.00	0.99	0.00	0.00	0.00
0.00 0.00								
Pipe_-(424)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(425)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(426)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(427)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(429)	1.00	0.04	0.00	0.00	0.96	0.00	0.00	0.00
0.08 0.00								
Pipe_-(43)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.28 0.00								
Pipe_-(430)	1.00	0.05	0.00	0.00	0.95	0.00	0.00	0.00
0.03 0.00								
Pipe_-(431)	1.00	0.06	0.00	0.00	0.94	0.00	0.00	0.00
0.32 0.00								
Pipe_-(432)	1.00	0.06	0.00	0.00	0.94	0.00	0.00	0.00
0.08 0.00								
Pipe_-(433)	1.00	0.06	0.02	0.00	0.91	0.00	0.00	0.00
0.13 0.00								
Pipe_-(434)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(435)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00



Pipe_-(5)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.63 0.00								
Pipe_-(50)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.16 0.00								
Pipe_-(51)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(52)	1.00	0.12	0.00	0.00	0.88	0.00	0.00	0.00
0.00 0.00								
Pipe_-(53)	1.00	0.12	0.00	0.00	0.63	0.00	0.00	0.25
0.03 0.00								
Pipe_-(54)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.38 0.00								
Pipe_-(55)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.92 0.00								
Pipe_-(56)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.98 0.00								
Pipe_-(57)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.93 0.00								
Pipe_-(58)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.94 0.00								
Pipe_-(59)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.95 0.00								
Pipe_-(6)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.49 0.00								
Pipe_-(60)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
1.00 0.00								
Pipe_-(65)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.42 0.00								
Pipe_-(66)	1.00	0.00	0.00	0.00	0.99	0.01	0.00	0.00
0.99 0.00								
Pipe_-(67)	1.00	0.00	0.00	0.00	0.52	0.48	0.00	0.00
0.00 0.00								
Pipe_-(68)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.85 0.00								
Pipe_-(69)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.97 0.00								
Pipe_-(7)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.58 0.00								
Pipe_-(70)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.98 0.00								
Pipe_-(71)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
1.00 0.00								
Pipe_-(72)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
1.00 0.00								
Pipe_-(73)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.99 0.00								
Pipe_-(74)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.91 0.00								
Pipe_-(75)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.97 0.00								
Pipe_-(76)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.97 0.00								
Pipe_-(77)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00





PSC_to_Outfall 0.13 0.00	1.00	0.47	0.13	0.00	0.30	0.11	0.00	0.00
Roadside_Culvert 0.20 0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
SU1-2_Force1 0.00 0.00	1.00	0.16	0.00	0.00	0.81	0.03	0.00	0.00
SU1-2_Force2_1 0.69 0.00	1.00	0.16	0.00	0.00	0.70	0.14	0.00	0.00
SU1-2_Force2_2 0.00 0.00	1.00	0.16	0.00	0.00	0.06	0.78	0.00	0.00
SU1-2_Force3 0.55 0.00	1.00	0.16	0.00	0.00	0.33	0.51	0.00	0.00
SU1-2_SouthDitch 0.02 0.00	1.00	0.09	0.00	0.00	0.03	0.00	0.00	0.88
SU67-FM1 0.24 0.00	1.00	0.61	0.02	0.00	0.36	0.00	0.00	0.00
SU67-FM2 0.24 0.00	1.00	0.45	0.16	0.00	0.39	0.01	0.00	0.00
SU67-FM3 0.00 0.00	1.00	0.45	0.00	0.00	0.36	0.20	0.00	0.00
SU67-FM4 0.36 0.00	1.00	0.45	0.00	0.00	0.46	0.09	0.00	0.00
SU67-FM5 0.11 0.00	1.00	0.45	0.00	0.00	0.54	0.01	0.00	0.00
SU67-FM6 0.22 0.00	1.00	0.45	0.15	0.00	0.40	0.01	0.00	0.00
SU67-FM7 0.00 0.00	1.00	0.45	0.00	0.00	0.00	0.00	0.00	0.55
SU6-E 0.00 0.00	1.00	0.09	0.00	0.00	0.00	0.00	0.00	0.91
SU6-SU7_2 0.00 0.00	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
UDitch_Single 0.55 0.00	1.00	0.06	0.00	0.00	0.94	0.00	0.00	0.00
UDitch_Transition 0.45 0.00	1.00	0.19	0.00	0.00	0.81	0.00	0.00	0.00

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 Conduit Surcharge Summary  
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Conduit	----- Both Ends	Hours Full Upstream	----- Dnstream	Hours Above Full Normal Flow	Hours Capacity Limited
172_to_Inlet	37.48	37.48	39.24	0.01	0.01
278_to_PS_B	0.01	0.01	14.73	0.01	0.01
381_to_PS77	0.01	0.01	0.01	0.01	0.01
458_to_Inlet	0.95	0.95	20.41	0.01	0.01
469_to_Inlet	18.09	18.09	37.82	0.01	0.01
C1_2	31.67	31.67	39.25	0.01	0.01

Culvert11	14.95	14.95	16.20	0.01	0.01
Culvert12	9.81	9.81	11.42	0.01	0.01
Culvert12a	9.73	9.73	9.81	0.01	0.92
Ditch_77	20.58	20.58	20.59	0.95	1.14
Ditch11	9.31	9.31	11.42	0.01	0.01
Ditch12	8.19	8.19	9.73	0.01	0.01
Ditch14	0.01	0.01	0.54	0.01	0.01
Facility73_to_Pond	48.00	48.00	48.00	11.38	11.01
Pipe_-(1)	0.78	0.78	0.96	0.01	0.01
Pipe_-(10)	9.38	9.38	9.77	0.01	0.26
Pipe_-(10)_-(1)	9.77	9.77	10.13	0.01	0.58
Pipe_-(117)	0.28	0.28	16.89	0.01	0.01
Pipe_-(118)	0.01	0.01	0.28	0.01	0.01
Pipe_-(133)	20.47	20.47	21.32	0.01	0.01
Pipe_-(134)	19.79	19.79	20.47	0.01	0.02
Pipe_-(135)	19.24	19.24	19.79	0.01	0.03
Pipe_-(136)	15.95	15.95	19.24	0.01	0.01
Pipe_-(137)	12.47	12.47	15.95	0.01	0.01
Pipe_-(138)	9.15	9.15	12.47	0.01	0.01
Pipe_-(153)	11.23	11.23	16.22	0.01	0.04
Pipe_-(154)	14.72	14.72	16.83	0.01	0.03
Pipe_-(155)	15.95	15.95	17.92	0.01	0.02
Pipe_-(156)	16.69	16.69	18.34	0.01	0.01
Pipe_-(157)	17.55	17.55	20.54	0.01	0.01
Pipe_-(158)	19.54	19.54	22.85	0.01	0.01
Pipe_-(159)	21.76	21.76	24.70	0.01	0.01
Pipe_-(160)	24.02	24.02	25.09	0.01	0.01
Pipe_-(161)	26.37	26.37	30.21	0.01	0.01
Pipe_-(162)	23.29	23.29	30.80	0.01	0.01
Pipe_-(163)	36.19	36.19	37.48	0.01	0.01
Pipe_-(164)	20.78	20.78	37.26	0.01	0.01
Pipe_-(165)	31.08	31.08	35.81	0.01	0.01
Pipe_-(166)	34.64	34.64	35.64	0.01	0.01
Pipe_-(167)	24.58	24.58	34.64	0.01	0.01
Pipe_-(168)	21.36	21.36	24.58	0.01	0.01
Pipe_-(169)	16.70	16.70	21.78	0.01	0.01
Pipe_-(170)	15.70	15.70	17.66	0.01	0.01
Pipe_-(171)	15.02	15.02	15.70	0.01	0.01
Pipe_-(172)	13.29	13.29	38.35	0.01	0.01
Pipe_-(18)	15.19	15.19	15.90	0.01	0.01
Pipe_-(19)	13.37	13.37	15.72	0.01	0.01
Pipe_-(196)	25.62	25.62	33.40	0.01	0.01
Pipe_-(197)	26.36	26.36	30.21	0.01	0.01
Pipe_-(198)	23.45	23.45	26.36	0.01	0.01
Pipe_-(199)	21.76	21.76	24.70	0.01	0.01
Pipe_-(2)	0.96	0.96	1.69	0.01	0.01
Pipe_-(20)	10.17	10.17	13.37	0.01	0.01
Pipe_-(200)	19.52	19.52	22.86	0.01	0.01
Pipe_-(201)	17.74	17.74	20.52	0.01	0.01
Pipe_-(202)	16.74	16.74	18.65	0.01	0.01
Pipe_-(203)	15.96	15.96	17.86	0.01	0.01
Pipe_-(204)	14.72	14.72	16.83	0.01	0.01
Pipe_-(205)	11.50	11.50	16.20	0.01	0.01

Pipe_-(206)	31.91	31.91	35.81	0.01	0.01
Pipe_-(207)	33.34	33.34	34.33	0.01	0.01
Pipe_-(208)	24.00	24.00	33.34	0.01	0.01
Pipe_-(209)	22.81	22.81	24.67	0.01	0.01
Pipe_-(210)	18.50	18.50	24.03	0.01	0.01
Pipe_-(211)	16.92	16.92	20.12	0.01	0.01
Pipe_-(212)	16.12	16.12	17.26	0.01	0.01
Pipe_-(213)	14.71	14.71	16.36	0.01	0.01
Pipe_-(214)	13.75	13.75	15.92	0.01	0.01
Pipe_-(215)	10.99	10.99	15.49	0.01	0.02
Pipe_-(22)	14.62	20.04	14.62	20.03	14.62
Pipe_-(221)	25.25	25.25	37.19	0.01	0.01
Pipe_-(222)	27.14	27.14	36.48	0.01	0.01
Pipe_-(223)	24.83	24.83	35.82	0.01	0.01
Pipe_-(224)	24.39	24.39	30.84	0.01	0.01
Pipe_-(225)	23.46	23.46	33.66	0.01	0.01
Pipe_-(226)	21.78	21.78	24.70	0.01	0.01
Pipe_-(227)	19.52	19.52	22.86	0.01	0.01
Pipe_-(228)	17.56	17.56	20.56	0.01	0.01
Pipe_-(229)	16.71	16.71	18.37	0.01	0.01
Pipe_-(23)	10.59	10.61	10.66	5.99	6.37
Pipe_-(230)	15.98	15.98	17.90	0.01	0.01
Pipe_-(231)	14.34	14.34	16.82	0.01	0.01
Pipe_-(232)	11.53	11.53	16.09	0.01	0.01
Pipe_-(234)	1.20	1.20	39.87	0.01	0.01
Pipe_-(235)	0.01	0.01	1.20	0.01	0.01
Pipe_-(237)	23.92	23.92	35.82	0.01	0.01
Pipe_-(238)	26.37	26.37	30.55	0.01	0.01
Pipe_-(239)	23.46	23.46	26.37	0.01	0.01
Pipe_-(24)	10.58	10.66	10.83	6.32	6.48
Pipe_-(240)	21.77	21.77	24.70	0.01	0.01
Pipe_-(241)	19.53	19.53	22.86	0.01	0.01
Pipe_-(242)	17.52	17.52	20.56	0.01	0.01
Pipe_-(243)	16.72	16.72	18.38	0.01	0.01
Pipe_-(244)	15.99	15.99	17.88	0.01	0.01
Pipe_-(245)	14.75	14.75	16.85	0.01	0.01
Pipe_-(246)	11.55	11.55	16.20	0.01	0.01
Pipe_-(247)	24.20	24.20	36.95	0.01	0.01
Pipe_-(248)	33.34	33.34	34.35	0.01	0.01
Pipe_-(249)	24.00	24.00	33.34	0.01	0.01
Pipe_-(25)	10.64	10.83	11.22	6.74	6.77
Pipe_-(250)	22.83	22.83	24.66	0.01	0.01
Pipe_-(251)	18.51	18.51	24.02	0.01	0.01
Pipe_-(252)	16.92	16.92	20.13	0.01	0.01
Pipe_-(253)	16.11	16.11	17.27	0.01	0.01
Pipe_-(254)	14.74	14.74	16.36	0.01	0.01
Pipe_-(255)	13.89	13.89	15.92	0.01	0.01
Pipe_-(256)	10.67	10.67	15.48	0.01	0.01
Pipe_-(257)	8.85	8.85	13.82	0.01	0.01
Pipe_-(258)	8.85	8.86	8.85	2.08	3.63
Pipe_-(259)	2.01	2.01	8.69	0.01	0.01
Pipe_-(26)	11.16	11.22	11.24	6.79	7.04
Pipe_-(260)	6.65	6.65	8.93	0.01	0.01

Pipe_-(261)	1.63	1.63	8.86	0.01	0.01
Pipe_-(27)	11.19	11.24	11.23	7.32	7.61
Pipe_-(277)	0.01	0.01	0.12	0.01	0.01
Pipe_-(278)	0.01	0.01	39.54	0.01	0.01
Pipe_-(28)	11.09	11.23	11.20	7.40	8.05
Pipe_-(285)	0.01	0.01	39.54	0.01	0.01
Pipe_-(29)	11.00	11.20	11.17	7.93	9.82
Pipe_-(295)	0.01	0.01	0.39	0.01	0.01
Pipe_-(296)	0.01	0.01	39.46	0.01	0.01
Pipe_-(3)	1.69	1.69	2.88	0.01	0.01
Pipe_-(30)	10.78	11.17	10.88	8.91	10.37
Pipe_-(307)	0.01	0.01	0.28	0.01	0.01
Pipe_-(308)	0.20	0.28	0.20	0.75	0.20
Pipe_-(309)	0.01	0.20	0.01	1.25	0.01
Pipe_-(31)	10.66	10.88	10.74	9.32	10.47
Pipe_-(313)	0.65	0.67	0.65	0.90	0.65
Pipe_-(314)	0.08	0.08	1.33	0.01	0.01
Pipe_-(319)	0.98	0.98	2.53	0.83	0.83
Pipe_-(32)	9.88	10.74	9.88	10.08	9.88
Pipe_-(320)	0.77	0.77	2.63	0.58	0.58
Pipe_-(323)	0.01	0.05	0.01	0.87	0.01
Pipe_-(33)	4.06	9.88	4.50	10.43	4.06
Pipe_-(333)	0.82	0.84	0.82	0.99	0.82
Pipe_-(334)	0.01	0.01	0.29	0.01	0.01
Pipe_-(34)	0.52	4.66	1.10	10.29	0.20
Pipe_-(364)	0.01	0.01	0.07	0.01	0.01
Pipe_-(365)	0.07	0.07	20.51	0.01	0.01
Pipe_-(366)	19.28	19.28	20.31	0.01	0.01
Pipe_-(367)	19.28	19.28	20.30	0.01	0.01
Pipe_-(369)	0.01	0.01	20.40	0.01	0.01
Pipe_-(370)	20.35	20.35	20.39	8.45	10.15
Pipe_-(377)	2.18	2.18	13.25	0.01	0.01
Pipe_-(378)	12.45	12.45	20.29	0.01	0.01
Pipe_-(379)	20.29	20.29	20.56	0.01	0.01
Pipe_-(380)	0.01	0.01	10.46	0.01	0.01
Pipe_-(382)	13.01	13.01	20.10	0.01	0.01
Pipe_-(383)	6.23	6.23	13.01	0.01	0.01
Pipe_-(384)	0.01	0.01	7.06	0.01	0.01
Pipe_-(389)	0.01	0.01	17.96	0.01	0.01
Pipe_-(39)	0.01	0.01	0.25	0.01	0.01
Pipe_-(4)	1.05	1.05	1.88	0.01	0.01
Pipe_-(40)	0.25	0.25	0.29	0.01	0.01
Pipe_-(404)	12.99	12.99	20.78	0.01	0.01
Pipe_-(405)	9.12	9.12	11.84	0.01	0.01
Pipe_-(41)	0.29	0.29	0.80	0.01	0.01
Pipe_-(42)	0.80	0.80	0.98	0.01	0.01
Pipe_-(423)	47.73	47.73	47.79	9.86	10.27
Pipe_-(424)	47.79	47.79	47.96	9.90	10.34
Pipe_-(425)	47.96	47.96	47.99	9.90	10.14
Pipe_-(426)	47.99	47.99	48.00	9.93	10.38
Pipe_-(427)	48.00	48.00	48.00	9.97	10.00
Pipe_-(429)	20.32	20.32	20.32	0.15	7.94
Pipe_-(43)	0.98	0.98	1.01	0.01	0.07

Pipe_-(430)	20.32	20.32	20.32	0.14	4.44
Pipe_-(431)	20.32	20.32	20.36	0.05	0.04
Pipe_-(432)	20.34	20.34	20.36	0.01	0.07
Pipe_-(433)	20.36	20.36	20.41	0.05	0.02
Pipe_-(434)	47.77	47.77	47.86	9.72	9.99
Pipe_-(435)	47.86	47.86	47.86	9.68	10.09
Pipe_-(436)	47.86	47.86	47.89	9.49	9.74
Pipe_-(437)	47.89	47.89	47.90	9.61	10.01
Pipe_-(438)	47.90	47.90	47.94	9.50	9.66
Pipe_-(439)	47.72	47.72	47.94	0.01	0.01
Pipe_-(44)	1.01	1.01	1.07	0.01	0.01
Pipe_-(443)	0.01	0.01	18.09	0.01	0.01
Pipe_-(447)	20.51	20.51	20.53	0.01	0.01
Pipe_-(448)	20.53	20.53	20.57	0.01	0.01
Pipe_-(449)	20.57	20.57	20.63	0.01	0.01
Pipe_-(45)	1.69	1.69	6.91	0.01	0.01
Pipe_-(450)	20.32	20.32	20.35	4.59	3.26
Pipe_-(452)	20.25	20.25	20.32	0.15	2.24
Pipe_-(453)	20.25	20.25	20.25	0.01	0.37
Pipe_-(454)	20.25	20.25	20.25	0.01	0.35
Pipe_-(455)	20.24	20.24	20.25	0.01	0.01
Pipe_-(456)	20.23	20.23	20.24	0.01	3.34
Pipe_-(460)	20.95	20.95	25.17	0.01	0.01
Pipe_-(461)	20.30	20.30	20.31	16.31	13.32
Pipe_-(462)	20.11	20.11	20.31	0.53	0.01
Pipe_-(47)	6.91	6.91	11.61	0.01	0.01
Pipe_-(49)	11.61	11.61	13.27	0.01	0.01
Pipe_-(5)	1.88	1.88	9.87	0.01	0.01
Pipe_-(50)	13.27	13.27	14.23	0.01	0.01
Pipe_-(51)	14.18	14.23	14.22	2.17	3.79
Pipe_-(52)	13.07	13.09	13.20	1.26	1.23
Pipe_-(53)	13.20	13.20	14.80	0.01	0.01
Pipe_-(6)	9.87	9.87	12.90	0.01	0.01
Pipe_-(7)	8.18	8.18	11.16	0.01	0.01
Pipe_-(8)	11.16	11.16	13.10	0.01	0.01
Pipe_-(81)	0.01	0.01	6.71	0.01	0.01
Pipe_-(82)	0.37	0.37	0.44	0.01	0.01
Pipe_-(83)	0.25	0.25	0.37	0.01	0.01
Pipe_-(84)	0.19	0.19	0.25	0.01	0.01
Pipe_-(85)	0.33	0.34	0.38	0.01	0.02
Pipe_-(87)	0.01	0.01	0.34	0.01	0.01
Pipe_-(9)	13.10	13.10	13.53	0.01	0.05
Pipe_PS_A	0.01	0.01	20.23	0.01	0.01
Pipe_PS_B	13.80	13.81	13.89	1.39	1.33
Pipe468	0.01	0.01	0.01	1.95	0.01
Pipe483	2.10	2.10	27.28	0.01	0.01
PSC_Overflow	0.01	0.01	17.44	0.01	0.01
PSC_to_Outfall	0.01	12.13	0.01	0.01	0.01
Roadside_Culvert	14.10	14.10	14.95	0.01	0.01
SU1-2_Force1	1.90	4.73	1.90	16.15	1.90
SU1-2_Force2_1	1.88	1.90	1.98	1.74	1.78
SU1-2_Force2_2	0.01	1.98	0.01	1.71	0.01
SU1-2_Force3	0.01	0.01	11.49	0.01	0.01

SU67-FM1	2.39	2.52	2.39	2.47	2.39
SU67-FM2	2.36	2.39	2.36	2.37	2.35
SU67-FM3	2.23	2.36	2.23	2.62	2.22
SU67-FM4	2.23	2.23	7.55	0.01	0.01
SU67-FM5	7.55	7.55	8.00	0.01	2.12
SU67-FM6	8.00	8.00	8.12	0.01	2.14
SU67-FM7	0.01	8.12	0.01	8.31	0.01
SU6-SU7_2	19.65	19.65	25.53	0.01	0.01

\*\*\*\*\*  
Pumping Summary  
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-----				Min	Avg	Max
Total	Power	% Time Off	Number of	Flow	Flow	Flow
Volume	Usage	Pump Curve	Start-Ups	CFS	CFS	CFS
10^6 gal	Kw-hr	Utilized				
-----				-----		
		Low	High			
004Pump1		41.74	1	0.00	0.24	1.36
0.128	8.79	0.0	0.0			
77Pump1		20.40	2	0.00	18.87	22.28
4.975	704.35	0.0	4.3			
77Pump2		0.00	0	0.00	0.00	0.00
0.000	0.00	0.0	0.0			
CPump1		24.72	7	0.00	6.69	6.68
2.136	261.98	0.0	0.0			
CPump2		23.66	2	0.00	6.69	6.68
2.045	257.69	0.0	0.0			
PumpSU7-1		17.74	2	0.00	3.59	5.57
0.823	29.64	0.0	0.0			
SU1-2_Pump		12.52	79	0.00	3.58	5.57
0.569	21.49	0.0	0.0			

Analysis begun on: Fri Aug 19 14:14:18 2022  
Analysis ended on: Fri Aug 19 14:16:06 2022  
Total elapsed time: 00:01:48

EPA STORM WATER MANAGEMENT MODEL - VERSION 5.1 (Build 5.1.015)

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WARNING 09: time series interval greater than recording interval for Rain Gage Null

- WARNING 08: elevation drop exceeds length for Conduit 172\_to\_Inlet
- WARNING 04: minimum elevation drop used for Conduit 381\_to\_PS77
- WARNING 08: elevation drop exceeds length for Conduit 458\_to\_Inlet
- WARNING 08: elevation drop exceeds length for Conduit 469\_to\_Inlet
- WARNING 04: minimum elevation drop used for Conduit Ditch13
- WARNING 04: minimum elevation drop used for Conduit Ditch4\_489
- WARNING 04: minimum elevation drop used for Conduit Ditch6
- WARNING 04: minimum elevation drop used for Conduit Facility73\_to\_Pond
- WARNING 04: minimum elevation drop used for Conduit Pipe\_-(258)
- WARNING 04: minimum elevation drop used for Conduit Pipe\_-(374)
- WARNING 04: minimum elevation drop used for Conduit Pipe\_-(461)
- WARNING 04: minimum elevation drop used for Conduit SU1-2\_Force1
- WARNING 02: maximum depth increased for Node Ditch17\_5\_6
- WARNING 02: maximum depth increased for Node Ditch6\_7
- WARNING 02: maximum depth increased for Node Ditch7\_8
- WARNING 02: maximum depth increased for Node Roadside\_Connection
- WARNING 02: maximum depth increased for Node Structure\_-(489)
- WARNING 02: maximum depth increased for Node SU1-2\_Central
- WARNING 02: maximum depth increased for Node UDitch\_Out

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Element Count

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Number of rain gages ..... 1  
 Number of subcatchments ... 14  
 Number of nodes ..... 351  
 Number of links ..... 345  
 Number of pollutants ..... 0  
 Number of land uses ..... 0

\*\*\*\*\*

Raingage Summary

\*\*\*\*\*

Name	Data Source	Data Type	Recording Interval
Null	Null	INTENSITY	60 min.

\*\*\*\*\*

Subcatchment Summary

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Name	Area	Width	%Imperv	%Slope	Rain Gage
Outlet					

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2.1	Structure602	88.70	1950.00	70.12	0.5000	Null
2.2	Ditch9_Inlet	52.40	1400.00	4.01	0.5000	Null
2.3	Structure_-(395)	9.40	450.00	2.13	0.5000	Null
2.4	Ditch4_In	33.10	1560.00	5.14	0.5000	Null
3	SDCB294	17.20	800.00	39.65	0.5000	Null
5	5_Dummy_Outlet	17.20	850.00	2.91	0.5000	Null
A	Ditch4_In	40.50	1950.00	6.42	0.5000	Null
B	Ditch2_3	21.40	850.00	1.87	0.5000	Null
C	C_Dummy_Outlet	17.30	1200.00	6.94	0.5000	Null
D	D_Dummy_Outlet	14.10	1350.00	49.65	0.5000	Null
E	E_Dummy_Outlet	10.70	750.00	11.21	0.5000	Null
F	F_Dummy_Outlet	12.90	1400.00	6.20	0.5000	Null
G	G_Dummy_Outlet	5.60	680.00	3.57	0.5000	Null
H	H_Dummy_Outlet	12.70	840.00	3.15	0.5000	Null

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Node Summary

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External Name Inflow	Type	Invert Elev.	Max. Depth	Ponded Area
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CB19	JUNCTION	6.61	5.52	100.0	Yes
CB22	JUNCTION	6.02	5.00	100.0	Yes
CB30	JUNCTION	7.17	5.00	100.0	Yes
CB31	JUNCTION	7.40	5.00	100.0	Yes
CB33	JUNCTION	7.17	5.00	100.0	Yes
Culvert_Ditch11	JUNCTION	2.71	10.50	100.0	
Culvert_Ditch12a	JUNCTION	2.60	5.00	100.0	Yes
Culvert_Ditch12b	JUNCTION	2.61	5.00	100.0	
Culvert_Ditch12c	JUNCTION	3.00	5.00	100.0	
Ditch1_2	JUNCTION	9.00	5.00	100.0	
Ditch11_12	JUNCTION	2.32	5.34	100.0	
Ditch12_18	JUNCTION	0.50	5.00	100.0	Yes

Ditch14_15	JUNCTION	4.12	5.00	100.0	Yes
Ditch15_16	JUNCTION	3.12	5.00	100.0	Yes
Ditch16_17	JUNCTION	2.18	5.00	100.0	Yes
Ditch17_5_6	JUNCTION	1.24	7.00	100.0	Yes
Ditch2_3	JUNCTION	8.25	5.00	100.0	Yes
Ditch3_Out	JUNCTION	8.00	5.00	100.0	
Ditch4_In	JUNCTION	9.00	5.00	100.0	Yes
Ditch4_Out	JUNCTION	3.00	14.00	100.0	
Ditch5_Inlet	JUNCTION	2.25	5.00	100.0	Yes
Ditch6_7	JUNCTION	1.24	7.00	100.0	Yes
Ditch7_8	JUNCTION	-2.32	8.78	100.0	Yes
Ditch9_10_11	JUNCTION	3.00	10.50	100.0	
Ditch9_Inlet	JUNCTION	10.45	5.00	100.0	Yes
Facility77_PS	JUNCTION	8.30	1.67	100.0	
PS004	JUNCTION	-2.00	6.00	100.0	
PSC_Outlet	JUNCTION	11.50	1.67	100.0	
Roadside_Connection	JUNCTION	3.22	7.28	0.0	Yes
SDCB294	JUNCTION	2.53	6.00	100.0	Yes
SDCB541	JUNCTION	5.31	5.00	100.0	Yes
SDCB543	JUNCTION	7.11	5.75	100.0	Yes
SDCB6003	JUNCTION	2.93	7.65	100.0	Yes
SDCB6005	JUNCTION	5.75	5.00	100.0	Yes
SDMH297	JUNCTION	2.48	6.22	100.0	Yes
SDMH299	JUNCTION	2.50	6.35	100.0	Yes
SDMH301	JUNCTION	2.30	5.00	100.0	Yes
SDMH538	JUNCTION	4.88	5.00	100.0	Yes
SDMH539	JUNCTION	3.53	6.35	100.0	Yes
SDMH540	JUNCTION	3.78	5.75	100.0	Yes
Structure_-_ (1)	JUNCTION	7.42	5.00	100.0	Yes
Structure_-_ (10)	JUNCTION	4.74	9.44	100.0	Yes
Structure_-_ (100)	JUNCTION	10.62	5.00	100.0	Yes
Structure_-_ (101)	JUNCTION	10.67	5.00	100.0	Yes
Structure_-_ (102)	JUNCTION	10.50	5.00	100.0	Yes
Structure_-_ (123)	JUNCTION	7.46	8.18	100.0	Yes
Structure_-_ (124)	JUNCTION	7.70	8.66	100.0	Yes
Structure_-_ (125)	JUNCTION	9.82	5.00	100.0	Yes
Structure_-_ (126)	JUNCTION	10.12	5.00	100.0	Yes
Structure_-_ (128)	JUNCTION	11.13	5.00	100.0	Yes
Structure_-_ (129)	JUNCTION	12.81	5.00	100.0	Yes
Structure_-_ (130)	JUNCTION	10.61	5.00	100.0	Yes
Structure_-_ (131)	JUNCTION	11.13	5.00	100.0	Yes
Structure_-_ (132)	JUNCTION	11.93	5.00	100.0	Yes
Structure_-_ (133)	JUNCTION	10.62	5.00	100.0	Yes
Structure_-_ (134)	JUNCTION	11.30	5.00	100.0	Yes
Structure_-_ (136)	JUNCTION	11.83	5.00	100.0	Yes
Structure_-_ (139)	JUNCTION	4.12	7.40	100.0	Yes
Structure_-_ (140)	JUNCTION	4.22	7.05	100.0	Yes
Structure_-_ (141)	JUNCTION	3.60	6.40	100.0	Yes
Structure_-_ (142)	JUNCTION	5.44	5.00	100.0	Yes
Structure_-_ (143)	JUNCTION	6.40	6.06	100.0	Yes
Structure_-_ (144)	JUNCTION	6.76	5.41	100.0	Yes
Structure_-_ (161)	JUNCTION	6.13	5.00	100.0	Yes
Structure_-_ (162)	JUNCTION	5.25	5.00	100.0	Yes

Structure_-(163)	JUNCTION	4.62	5.00	100.0	Yes
Structure_-(164)	JUNCTION	4.03	5.00	100.0	Yes
Structure_-(165)	JUNCTION	3.70	5.00	100.0	Yes
Structure_-(166)	JUNCTION	3.35	5.00	100.0	Yes
Structure_-(167)	JUNCTION	2.79	5.00	100.0	Yes
Structure_-(168)	JUNCTION	2.15	5.00	100.0	Yes
Structure_-(169)	JUNCTION	1.58	5.00	100.0	Yes
Structure_-(170)	JUNCTION	1.40	10.49	100.0	Yes
Structure_-(171)	JUNCTION	-1.58	13.71	100.0	Yes
Structure_-(172)	JUNCTION	-3.00	5.00	100.0	Yes
Structure_-(173)	JUNCTION	0.55	10.11	100.0	Yes
Structure_-(174)	JUNCTION	1.10	9.56	100.0	Yes
Structure_-(175)	JUNCTION	1.36	14.78	100.0	Yes
Structure_-(176)	JUNCTION	2.44	12.83	100.0	Yes
Structure_-(177)	JUNCTION	3.34	10.94	100.0	Yes
Structure_-(178)	JUNCTION	4.34	5.00	100.0	Yes
Structure_-(179)	JUNCTION	5.24	5.00	100.0	Yes
Structure_-(180)	JUNCTION	4.59	9.53	100.0	Yes
Structure_-(181)	JUNCTION	6.13	9.00	100.0	Yes
Structure_-(19)	JUNCTION	5.05	9.03	100.0	Yes
Structure_-(2)	JUNCTION	7.31	5.43	100.0	Yes
Structure_-(20)	JUNCTION	5.77	5.00	100.0	Yes
Structure_-(205)	JUNCTION	1.40	7.75	100.0	Yes
Structure_-(206)	JUNCTION	1.58	5.00	100.0	Yes
Structure_-(207)	JUNCTION	2.15	5.00	100.0	Yes
Structure_-(208)	JUNCTION	2.79	5.00	100.0	Yes
Structure_-(209)	JUNCTION	3.35	5.00	100.0	Yes
Structure_-(21)	JUNCTION	6.16	5.00	100.0	Yes
Structure_-(210)	JUNCTION	3.65	5.00	100.0	Yes
Structure_-(211)	JUNCTION	4.03	5.00	100.0	Yes
Structure_-(212)	JUNCTION	4.62	5.00	100.0	Yes
Structure_-(213)	JUNCTION	5.25	5.00	100.0	Yes
Structure_-(214)	JUNCTION	6.13	5.00	100.0	Yes
Structure_-(215)	JUNCTION	0.93	9.12	100.0	Yes
Structure_-(216)	JUNCTION	1.11	5.00	100.0	Yes
Structure_-(217)	JUNCTION	1.91	5.00	100.0	Yes
Structure_-(218)	JUNCTION	2.40	5.00	100.0	Yes
Structure_-(219)	JUNCTION	3.42	5.00	100.0	Yes
Structure_-(220)	JUNCTION	3.91	5.00	100.0	Yes
Structure_-(221)	JUNCTION	4.42	5.00	100.0	Yes
Structure_-(222)	JUNCTION	4.96	5.00	100.0	Yes
Structure_-(223)	JUNCTION	5.46	5.00	100.0	Yes
Structure_-(23)	JUNCTION	14.48	0.25	100.0	
Structure_-(230)	JUNCTION	-0.26	11.22	100.0	Yes
Structure_-(231)	JUNCTION	0.55	9.83	100.0	Yes
Structure_-(232)	JUNCTION	1.36	9.03	100.0	Yes
Structure_-(233)	JUNCTION	1.06	7.30	100.0	Yes
Structure_-(234)	JUNCTION	2.15	6.18	100.0	Yes
Structure_-(235)	JUNCTION	2.79	5.91	100.0	Yes
Structure_-(236)	JUNCTION	3.35	5.25	100.0	Yes
Structure_-(237)	JUNCTION	3.70	5.00	100.0	Yes
Structure_-(238)	JUNCTION	4.03	5.00	100.0	Yes
Structure_-(239)	JUNCTION	4.62	5.00	100.0	

Structure_-(24)	JUNCTION	14.47	5.00	100.0	
Structure_-(240)	JUNCTION	5.34	5.00	100.0	Yes
Structure_-(241)	JUNCTION	6.13	5.00	100.0	Yes
Structure_-(242)	JUNCTION	3.20	5.00	100.0	Yes
Structure_-(243)	JUNCTION	3.76	6.82	100.0	Yes
Structure_-(244)	JUNCTION	4.68	6.60	100.0	Yes
Structure_-(245)	JUNCTION	4.95	6.00	100.0	Yes
Structure_-(246)	JUNCTION	1.38	8.96	100.0	Yes
Structure_-(247)	JUNCTION	1.58	5.00	100.0	Yes
Structure_-(248)	JUNCTION	2.15	5.00	100.0	Yes
Structure_-(249)	JUNCTION	2.79	5.00	100.0	Yes
Structure_-(25)	JUNCTION	14.40	0.50	100.0	
Structure_-(250)	JUNCTION	3.35	5.00	100.0	Yes
Structure_-(251)	JUNCTION	3.70	5.00	100.0	Yes
Structure_-(252)	JUNCTION	4.03	5.00	100.0	Yes
Structure_-(253)	JUNCTION	4.59	5.00	100.0	Yes
Structure_-(254)	JUNCTION	5.25	5.00	100.0	Yes
Structure_-(255)	JUNCTION	6.13	5.00	100.0	Yes
Structure_-(256)	JUNCTION	0.93	9.63	100.0	Yes
Structure_-(257)	JUNCTION	1.11	5.00	100.0	Yes
Structure_-(258)	JUNCTION	1.91	5.00	100.0	Yes
Structure_-(259)	JUNCTION	2.40	5.00	100.0	Yes
Structure_-(26)	JUNCTION	14.08	0.50	100.0	
Structure_-(260)	JUNCTION	3.42	5.00	100.0	Yes
Structure_-(261)	JUNCTION	3.91	5.00	100.0	Yes
Structure_-(262)	JUNCTION	4.42	5.00	100.0	Yes
Structure_-(263)	JUNCTION	4.96	5.00	100.0	Yes
Structure_-(264)	JUNCTION	5.46	5.00	100.0	Yes
Structure_-(265)	JUNCTION	6.13	5.00	100.0	Yes
Structure_-(266)	JUNCTION	6.79	5.99	100.0	Yes
Structure_-(267)	JUNCTION	6.79	5.00	100.0	
Structure_-(268)	JUNCTION	7.28	5.00	100.0	Yes
Structure_-(269)	JUNCTION	7.49	5.00	100.0	Yes
Structure_-(27)	JUNCTION	13.18	0.50	100.0	
Structure_-(270)	JUNCTION	7.42	5.00	100.0	Yes
Structure_-(273)	JUNCTION	11.13	5.00	100.0	Yes
Structure_-(274)	JUNCTION	10.63	5.00	100.0	Yes
Structure_-(275)	JUNCTION	10.45	5.00	100.0	Yes
Structure_-(276)	JUNCTION	9.27	5.00	100.0	Yes
Structure_-(277)	JUNCTION	8.39	5.85	100.0	Yes
Structure_-(278)	JUNCTION	7.66	6.47	100.0	Yes
Structure_-(28)	JUNCTION	13.06	0.50	100.0	
Structure_-(287)	JUNCTION	10.45	5.00	100.0	Yes
Structure_-(288)	JUNCTION	11.23	5.00	100.0	Yes
Structure_-(29)	JUNCTION	12.99	0.50	100.0	
Structure_-(298)	JUNCTION	10.43	5.00	100.0	Yes
Structure_-(3)	JUNCTION	6.95	5.07	100.0	Yes
Structure_-(30)	JUNCTION	12.70	0.50	100.0	
Structure_-(305)	JUNCTION	10.68	5.00	100.0	Yes
Structure_-(306)	JUNCTION	11.73	5.00	100.0	Yes
Structure_-(31)	JUNCTION	11.93	0.50	100.0	
Structure_-(319)	JUNCTION	6.31	5.00	100.0	Yes
Structure_-(32)	JUNCTION	11.54	0.50	100.0	

Structure_-(320)	JUNCTION	6.16	5.00	100.0	Yes
Structure_-(325)	JUNCTION	5.48	5.00	100.0	Yes
Structure_-(326)	JUNCTION	7.45	5.00	100.0	Yes
Structure_-(33)	JUNCTION	11.34	0.50	100.0	
Structure_-(331)	JUNCTION	8.05	5.00	100.0	Yes
Structure_-(332)	JUNCTION	8.05	5.00	100.0	Yes
Structure_-(333)	JUNCTION	6.72	5.00	100.0	Yes
Structure_-(34)	JUNCTION	10.58	0.50	100.0	
Structure_-(341)	JUNCTION	6.44	7.90	100.0	Yes
Structure_-(35)	JUNCTION	9.28	0.50	100.0	
Structure_-(37)	JUNCTION	8.81	6.29	100.0	Yes
Structure_-(370)	JUNCTION	8.23	5.00	100.0	Yes
Structure_-(371)	JUNCTION	8.41	5.00	100.0	Yes
Structure_-(372)	JUNCTION	10.48	5.00	100.0	Yes
Structure_-(373)	JUNCTION	8.15	5.00	100.0	Yes
Structure_-(374)	JUNCTION	8.94	6.40	100.0	Yes
Structure_-(375)	JUNCTION	8.64	6.40	100.0	Yes
Structure_-(376)	JUNCTION	8.40	6.40	100.0	Yes
Structure_-(377)	JUNCTION	8.10	6.82	100.0	Yes
Structure_-(378)	JUNCTION	7.73	6.40	100.0	Yes
Structure_-(379)	JUNCTION	2.31	10.70	100.0	Yes
Structure_-(38)	JUNCTION	8.52	5.00	100.0	Yes
Structure_-(380)	JUNCTION	3.13	8.70	100.0	Yes
Structure_-(381)	JUNCTION	2.95	10.00	100.0	
Structure_-(389)	JUNCTION	11.23	5.00	100.0	Yes
Structure_-(39)	JUNCTION	8.41	7.14	100.0	Yes
Structure_-(390)	JUNCTION	11.23	5.00	100.0	Yes
Structure_-(391)	JUNCTION	10.75	5.00	100.0	Yes
Structure_-(392)	JUNCTION	6.74	8.39	100.0	Yes
Structure_-(393)	JUNCTION	5.80	9.07	100.0	Yes
Structure_-(394)	JUNCTION	4.05	10.98	100.0	Yes
Structure_-(395)	JUNCTION	2.29	10.70	100.0	Yes
Structure_-(396)	JUNCTION	11.62	5.00	100.0	Yes
Structure_-(397)	JUNCTION	8.80	5.00	100.0	Yes
Structure_-(398)	JUNCTION	6.70	5.00	100.0	Yes
Structure_-(399)	JUNCTION	7.38	5.00	100.0	Yes
Structure_-(4)	JUNCTION	6.69	6.17	100.0	Yes
Structure_-(40)	JUNCTION	8.23	6.49	100.0	Yes
Structure_-(400)	JUNCTION	7.90	5.00	100.0	Yes
Structure_-(401)	JUNCTION	9.70	5.00	100.0	Yes
Structure_-(404)	JUNCTION	11.04	5.00	100.0	Yes
Structure_-(405)	JUNCTION	11.84	5.00	100.0	Yes
Structure_-(407)	JUNCTION	8.80	5.00	100.0	Yes
Structure_-(408)	JUNCTION	9.47	5.00	100.0	Yes
Structure_-(41)	JUNCTION	6.04	8.46	100.0	Yes
Structure_-(42)	JUNCTION	6.00	8.33	100.0	Yes
Structure_-(426)	JUNCTION	6.36	5.00	100.0	Yes
Structure_-(427)	JUNCTION	5.22	6.00	100.0	Yes
Structure_-(43)	JUNCTION	5.46	6.72	100.0	Yes
Structure_-(431)	JUNCTION	-5.37	2.50	100.0	
Structure_-(432)	JUNCTION	-5.03	2.50	100.0	
Structure_-(433)	JUNCTION	-4.71	2.50	100.0	
Structure_-(434)	JUNCTION	-3.55	2.50	100.0	

Structure_-(435)	JUNCTION	-3.54	2.50	100.0	
Structure_-(44)	JUNCTION	5.22	9.29	100.0	Yes
Structure_-(446)	JUNCTION	9.97	1.67	100.0	
Structure_-(447)	JUNCTION	9.60	1.50	100.0	
Structure_-(448)	JUNCTION	9.29	1.50	100.0	
Structure_-(449)	JUNCTION	7.30	1.50	100.0	
Structure_-(45)	JUNCTION	5.18	5.00	100.0	Yes
Structure_-(450)	JUNCTION	6.70	1.50	100.0	
Structure_-(451)	JUNCTION	6.50	1.50	100.0	
Structure_-(453)	JUNCTION	3.95	5.00	100.0	
Structure_-(454)	JUNCTION	3.94	5.00	100.0	
Structure_-(455)	JUNCTION	3.93	5.00	100.0	
Structure_-(456)	JUNCTION	3.73	5.00	100.0	
Structure_-(457)	JUNCTION	3.63	5.00	100.0	
Structure_-(458)	JUNCTION	3.40	5.00	100.0	
Structure_-(459)	JUNCTION	6.67	1.67	100.0	
Structure_-(46)	JUNCTION	5.11	5.00	100.0	Yes
Structure_-(460)	JUNCTION	6.63	1.67	100.0	
Structure_-(461)	JUNCTION	6.03	1.67	100.0	
Structure_-(462)	JUNCTION	5.88	1.67	100.0	
Structure_-(463)	JUNCTION	4.13	1.67	100.0	
Structure_-(469)	JUNCTION	3.50	5.00	100.0	Yes
Structure_-(47)	JUNCTION	4.65	8.45	100.0	Yes
Structure_-(470)	JUNCTION	7.10	5.00	100.0	Yes
Structure_-(471)	JUNCTION	7.27	5.00	100.0	Yes
Structure_-(472)	JUNCTION	7.40	5.00	100.0	Yes
Structure_-(473)	JUNCTION	7.49	5.00	100.0	Yes
Structure_-(475)	JUNCTION	3.08	11.58	100.0	Yes
Structure_-(476)	JUNCTION	2.97	11.74	100.0	Yes
Structure_-(477)	JUNCTION	2.65	11.74	100.0	Yes
Structure_-(478)	JUNCTION	2.32	10.85	100.0	
Structure_-(481)	JUNCTION	4.00	5.00	100.0	
Structure_-(482)	JUNCTION	4.05	5.00	100.0	
Structure_-(483)	JUNCTION	4.10	5.00	100.0	
Structure_-(484)	JUNCTION	4.22	5.00	100.0	
Structure_-(485)	JUNCTION	4.25	5.00	100.0	
Structure_-(487)	JUNCTION	2.78	11.62	100.0	Yes
Structure_-(489)	JUNCTION	2.74	11.26	100.0	Yes
Structure_-(490)	JUNCTION	11.23	5.00	100.0	Yes
Structure_-(495)	JUNCTION	10.04	5.00	100.0	
Structure_-(5)	JUNCTION	6.37	7.65	100.0	Yes
Structure_-(50)	JUNCTION	4.20	8.20	100.0	Yes
Structure_-(502)	JUNCTION	8.46	5.00	100.0	Yes
Structure_-(503)	JUNCTION	4.71	9.38	100.0	Yes
Structure_-(51)	JUNCTION	3.94	8.28	100.0	Yes
Structure_-(52)	JUNCTION	3.72	7.10	100.0	Yes
Structure_-(53)	JUNCTION	3.71	8.45	100.0	
Structure_-(54)	JUNCTION	3.93	8.20	100.0	
Structure_-(56)	JUNCTION	9.08	5.00	100.0	Yes
Structure_-(57)	JUNCTION	9.29	5.00	100.0	Yes
Structure_-(58)	JUNCTION	9.39	5.00	100.0	Yes
Structure_-(59)	JUNCTION	9.70	5.00	100.0	Yes
Structure_-(6)	JUNCTION	5.70	5.02	100.0	Yes

Structure_-(60)	JUNCTION	9.82	5.00	100.0	Yes
Structure_-(61)	JUNCTION	9.92	5.00	100.0	Yes
Structure_-(62)	JUNCTION	10.02	5.00	100.0	Yes
Structure_-(63)	JUNCTION	10.27	5.00	100.0	Yes
Structure_-(7)	JUNCTION	5.35	5.78	100.0	Yes
Structure_-(70)	JUNCTION	8.89	5.00	100.0	Yes
Structure_-(71)	JUNCTION	10.00	5.00	100.0	Yes
Structure_-(72)	JUNCTION	10.06	5.00	100.0	Yes
Structure_-(73)	JUNCTION	10.33	5.00	100.0	Yes
Structure_-(74)	JUNCTION	10.57	5.00	100.0	Yes
Structure_-(75)	JUNCTION	10.81	5.00	100.0	Yes
Structure_-(76)	JUNCTION	11.05	5.00	100.0	Yes
Structure_-(77)	JUNCTION	11.29	5.00	100.0	Yes
Structure_-(78)	JUNCTION	11.53	5.00	100.0	Yes
Structure_-(79)	JUNCTION	8.72	5.00	100.0	Yes
Structure_-(8)	JUNCTION	5.10	8.03	100.0	Yes
Structure_-(80)	JUNCTION	9.01	5.00	100.0	Yes
Structure_-(81)	JUNCTION	9.25	5.00	100.0	Yes
Structure_-(82)	JUNCTION	9.49	5.00	100.0	Yes
Structure_-(83)	JUNCTION	9.73	5.37	100.0	Yes
Structure_-(84)	JUNCTION	9.97	5.00	100.0	Yes
Structure_-(85)	JUNCTION	10.21	5.00	100.0	Yes
Structure_-(86)	JUNCTION	7.30	5.00	100.0	Yes
Structure_-(87)	JUNCTION	7.38	5.00	100.0	Yes
Structure_-(88)	JUNCTION	7.56	5.00	100.0	Yes
Structure_-(89)	JUNCTION	7.65	5.00	100.0	Yes
Structure_-(9)	JUNCTION	4.82	8.93	100.0	Yes
Structure_-(90)	JUNCTION	7.79	5.00	100.0	Yes
Structure_-(92)	JUNCTION	8.90	5.00	100.0	Yes
Structure_-(93)	JUNCTION	9.26	5.00	100.0	Yes
Structure_-(94)	JUNCTION	9.43	5.00	100.0	Yes
Structure_-(95)	JUNCTION	9.45	5.00	100.0	Yes
Structure_-(96)	JUNCTION	9.60	5.00	100.0	Yes
Structure_-(97)	JUNCTION	9.95	5.00	100.0	Yes
Structure_-(98)	JUNCTION	10.13	5.00	100.0	Yes
Structure_-(99)	JUNCTION	10.32	5.00	100.0	
Structure520	JUNCTION	4.37	5.00	100.0	Yes
Structure521	JUNCTION	1.73	5.00	100.0	Yes
Structure522	JUNCTION	2.08	5.00	100.0	Yes
Structure587	JUNCTION	2.37	5.00	100.0	Yes
Structure593	JUNCTION	2.35	5.00	100.0	Yes
Structure602	JUNCTION	4.68	5.00	100.0	
SU1-2_Central	JUNCTION	5.00	11.00	100.0	
SU1-2_J1	JUNCTION	10.00	0.99	0.0	
SU1-2_J1-2	JUNCTION	8.00	0.99	0.0	
SU1-2_J2	JUNCTION	2.00	0.99	0.0	
SU1-2_Overflow	JUNCTION	8.25	5.00	100.0	
SU1-2_PSOOut	JUNCTION	10.00	0.99	0.0	
SU1-2_South	JUNCTION	20.00	4.00	100.0	Yes
SU1-2_West	JUNCTION	15.21	2.00	100.0	Yes
SU6-1E	JUNCTION	11.80	2.00	100.0	Yes
SU67-J1	JUNCTION	13.18	1.25	0.0	
SU67-J2	JUNCTION	10.58	1.25	0.0	

SU67-J3	JUNCTION	9.28	1.25	0.0
SU67-J4	JUNCTION	9.08	1.25	0.0
SU67-J5	JUNCTION	6.04	1.25	0.0
SU67-J6	JUNCTION	5.11	1.25	0.0
SU67-J7	JUNCTION	4.65	1.25	0.0
UDitch_Out	JUNCTION	7.50	14.00	100.0
5_Dummy_Outlet	OUTFALL	0.00	0.00	0.0
C_Dummy_Outlet	OUTFALL	0.00	0.00	0.0
D_Dummy_Outlet	OUTFALL	0.00	0.00	0.0
E_Dummy_Outlet	OUTFALL	0.00	0.00	0.0
F_Dummy_Outlet	OUTFALL	0.00	0.00	0.0
G_Dummy_Outlet	OUTFALL	0.00	0.00	0.0
H_Dummy_Outlet	OUTFALL	0.00	0.00	0.0
Outfall_002A	OUTFALL	-14.87	2.50	0.0
Outfall003	OUTFALL	-3.00	6.85	0.0
77_Thickeners	STORAGE	0.00	100.00	0.0
Facility77_Inlet	STORAGE	-8.05	20.47	0.0
PS_SU6-7	STORAGE	1.00	13.75	0.0
PSC_Sump	STORAGE	0.50	17.13	0.0
RetenionPond	STORAGE	6.50	9.50	0.0
SU1-2_PS	STORAGE	2.50	13.00	0.0

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Link Summary

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Name	From Node	To Node	Type	Length
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172_to_Inlet	Structure_-(172)	Facility77_Inlet	CONDUIT	1.0
505.0000	0.0120			
278_to_PS_B	Structure_-(278)	Structure602	CONDUIT	45.0
6.6422	0.0120			
381_to_PS77	Structure_-(381)	Facility77_Inlet	CONDUIT	1.0
0.1000	0.0120			
458_to_Inlet	Structure_-(458)	Facility77_Inlet	CONDUIT	1.0
-344.9600	0.0140			
469_to_Inlet	Structure_-(469)	Facility77_Inlet	CONDUIT	1.0
505.0000	0.0120			
C1_1	SU1-2_West	SU1-2_Central	CONDUIT	1070.0
0.3000	0.0250			
C1_2	SU1-2_Central	SU1-2_PS	CONDUIT	74.0
0.5000	0.0120			
Culvert11	Ditch9_10_11	Culvert_Ditch11	CONDUIT	40.0
0.7250	0.0120			
Culvert12	Culvert_Ditch12a	Ditch11_12	CONDUIT	30.0
0.9334	0.0120			
Culvert12a	Culvert_Ditch12b	Culvert_Ditch12a	CONDUIT	30.0
0.0333	0.0120			
Ditch_77	Structure587	Structure593	CONDUIT	173.0
0.0116	0.0250			



Ditch11	Culvert_Ditch11	Ditch11_12	CONDUIT	90.0
0.4333	0.0120			
Ditch12	Culvert_Ditch12c	Culvert_Ditch12b	CONDUIT	260.0
0.1500	0.0250			
Ditch13	Structure521	Structure522	CONDUIT	170.0
0.0006	0.0250			
Ditch14	Structure_-(242)	Ditch14_15	CONDUIT	330.0
0.3030	0.0250			
Ditch15	Ditch14_15	Ditch15_16	CONDUIT	318.0
0.1761	0.0250			
Ditch16	Ditch15_16	Ditch16_17	CONDUIT	350.0
0.2800	0.0250			
Ditch17	Ditch16_17	Ditch17_5_6	CONDUIT	155.0
0.6065	0.0250			
Ditch18	Ditch12_18	PS004	CONDUIT	180.0
0.6333	0.0250			
Ditch2	Ditch1_2	Ditch2_3	CONDUIT	960.0
0.0781	0.0250			
Ditch3	Ditch2_3	Ditch3_Out	CONDUIT	320.0
0.0781	0.0250			
Ditch4_1	Ditch4_In	SU1-2_Overflow	CONDUIT	1020.0
0.0735	0.0250			
Ditch4_2	SU1-2_Overflow	Ditch3_Out	CONDUIT	340.0
0.0735	0.0250			
Ditch4_489	Ditch4_Out	Structure_-(489)	CONDUIT	715.0
0.0001	0.0250			
Ditch5	Ditch5_Inlet	Ditch17_5_6	CONDUIT	1015.0
0.0995	0.0250			
Ditch6	Ditch17_5_6	Ditch6_7	CONDUIT	165.0
0.0006	0.0250			
Ditch7	Ditch6_7	Ditch7_8	CONDUIT	525.0
0.1562	0.0250			
Ditch8	Ditch7_8	Outfall003	CONDUIT	183.0
0.3716	0.0250			
Ditch9	Ditch9_Inlet	Roadside_Connection	CONDUIT	770.0
0.4481	0.0250			
Facility73_to_Pond	Structure_-(451)	RetenionPond	CONDUIT	1.0
0.1000	0.0100			
Pipe_-(1)	Structure_-(1)	Structure_-(2)	CONDUIT	56.5
0.1947	0.0120			
Pipe_-(10)	Structure_-(10)	Structure_-(503)	CONDUIT	163.2
0.0184	0.0220			
Pipe_-(10)_1	Structure_-(503)	Structure602	CONDUIT	25.9
0.1159	0.0220			
Pipe_-(117)	Structure_-(123)	Structure_-(52)	CONDUIT	196.2
1.7190	0.0120			
Pipe_-(118)	Structure_-(124)	Structure_-(123)	CONDUIT	70.2
0.3420	0.0120			
Pipe_-(119)	Structure_-(125)	Structure_-(124)	CONDUIT	234.0
0.9060	0.0120			
Pipe_-(120)	Structure_-(126)	Structure_-(125)	CONDUIT	136.0
0.2206	0.0120			
Pipe_-(122)	Structure_-(128)	Structure_-(126)	CONDUIT	203.0

0.4975	0.0120				
Pipe_-(123)		Structure_-(129)	Structure_-(128)	CONDUIT	212.0
0.7925	0.0120				
Pipe_-(124)		Structure_-(130)	Structure_-(123)	CONDUIT	151.3
0.3965	0.0120				
Pipe_-(125)		Structure_-(131)	Structure_-(130)	CONDUIT	40.0
1.3001	0.0120				
Pipe_-(126)		Structure_-(132)	Structure_-(131)	CONDUIT	46.5
1.7207	0.0120				
Pipe_-(127)		Structure_-(133)	Structure_-(125)	CONDUIT	166.0
0.4819	0.0120				
Pipe_-(128)		Structure_-(134)	Structure_-(133)	CONDUIT	119.0
0.7815	0.0120				
Pipe_-(130)		Structure_-(136)	Structure_-(133)	CONDUIT	94.3
2.2159	0.0120				
Pipe_-(133)		Structure_-(139)	Structure_-(53)	CONDUIT	9.5
1.6802	0.0120				
Pipe_-(134)		Structure_-(140)	Structure_-(139)	CONDUIT	48.5
0.2062	0.0120				
Pipe_-(135)		Structure_-(141)	Structure_-(140)	CONDUIT	38.7
0.2069	0.0120				
Pipe_-(136)		Structure_-(142)	Structure_-(141)	CONDUIT	33.0
3.4645	0.0120				
Pipe_-(137)		Structure_-(143)	Structure_-(142)	CONDUIT	32.0
2.9942	0.0120				
Pipe_-(138)		Structure_-(144)	Structure_-(143)	CONDUIT	12.0
3.0005	0.0120				
Pipe_-(153)		Structure_-(161)	Structure_-(162)	CONDUIT	160.0
0.8000	0.0120				
Pipe_-(154)		Structure_-(162)	Structure_-(163)	CONDUIT	125.0
0.8240	0.0120				
Pipe_-(155)		Structure_-(163)	Structure_-(164)	CONDUIT	177.0
0.5028	0.0120				
Pipe_-(156)		Structure_-(164)	Structure_-(165)	CONDUIT	144.0
0.3333	0.0120				
Pipe_-(157)		Structure_-(165)	Structure_-(166)	CONDUIT	126.0
0.3968	0.0120				
Pipe_-(158)		Structure_-(166)	Structure_-(167)	CONDUIT	203.0
0.3498	0.0120				
Pipe_-(159)		Structure_-(167)	Structure_-(168)	CONDUIT	127.0
0.7402	0.0120				
Pipe_-(160)		Structure_-(168)	Structure_-(169)	CONDUIT	186.0
0.1989	0.0120				
Pipe_-(161)		Structure_-(169)	Structure_-(170)	CONDUIT	94.0
0.1915	0.0120				
Pipe_-(162)		Structure_-(170)	Structure_-(171)	CONDUIT	13.1
7.9514	0.0120				
Pipe_-(163)		Structure_-(171)	Structure_-(172)	CONDUIT	174.5
0.8151	0.0120				
Pipe_-(164)		Structure_-(173)	Structure_-(171)	CONDUIT	120.9
3.2200	0.0120				
Pipe_-(165)		Structure_-(174)	Structure_-(173)	CONDUIT	122.7
0.6440	0.0120				

Pipe_-(166)	Structure_-(175)	Structure_-(174)	CONDUIT	101.0
0.2575	0.0120			
Pipe_-(167)	Structure_-(176)	Structure_-(175)	CONDUIT	132.0
0.8182	0.0120			
Pipe_-(168)	Structure_-(177)	Structure_-(176)	CONDUIT	250.0
0.4000	0.0120			
Pipe_-(169)	Structure_-(178)	Structure_-(177)	CONDUIT	248.0
0.4426	0.0120			
Pipe_-(170)	Structure_-(179)	Structure_-(178)	CONDUIT	225.0
0.4444	0.0120			
Pipe_-(171)	Structure_-(180)	Structure_-(179)	CONDUIT	240.0
0.1010	0.0120			
Pipe_-(172)	Structure_-(181)	Structure_-(180)	CONDUIT	260.0
0.6308	0.0120			
Pipe_-(18)	Structure_-(19)	Structure_-(10)	CONDUIT	139.0
0.2248	0.0120			
Pipe_-(19)	Structure_-(20)	Structure_-(8)	CONDUIT	335.3
0.1998	0.0120			
Pipe_-(196)	Structure_-(205)	Structure_-(174)	CONDUIT	15.0
3.7359	0.0120			
Pipe_-(197)	Structure_-(206)	Structure_-(205)	CONDUIT	92.0
0.1957	0.0120			
Pipe_-(198)	Structure_-(207)	Structure_-(206)	CONDUIT	186.0
0.4140	0.0120			
Pipe_-(199)	Structure_-(208)	Structure_-(207)	CONDUIT	127.0
0.7402	0.0120			
Pipe_-(2)	Structure_-(2)	Structure_-(3)	CONDUIT	179.1
0.2011	0.0120			
Pipe_-(20)	Structure_-(21)	Structure_-(20)	CONDUIT	196.6
0.1984	0.0120			
Pipe_-(200)	Structure_-(209)	Structure_-(208)	CONDUIT	203.0
0.3498	0.0120			
Pipe_-(201)	Structure_-(210)	Structure_-(209)	CONDUIT	126.0
0.3571	0.0120			
Pipe_-(202)	Structure_-(211)	Structure_-(210)	CONDUIT	144.0
0.3681	0.0120			
Pipe_-(203)	Structure_-(212)	Structure_-(211)	CONDUIT	177.0
0.5028	0.0120			
Pipe_-(204)	Structure_-(213)	Structure_-(212)	CONDUIT	125.0
0.8240	0.0120			
Pipe_-(205)	Structure_-(214)	Structure_-(213)	CONDUIT	160.0
0.8000	0.0120			
Pipe_-(206)	Structure_-(215)	Structure_-(173)	CONDUIT	13.0
5.5484	0.0120			
Pipe_-(207)	Structure_-(216)	Structure_-(215)	CONDUIT	94.0
0.1915	0.0120			
Pipe_-(208)	Structure_-(217)	Structure_-(216)	CONDUIT	186.0
0.5645	0.0120			
Pipe_-(209)	Structure_-(218)	Structure_-(217)	CONDUIT	127.0
0.5039	0.0120			
Pipe_-(210)	Structure_-(219)	Structure_-(218)	CONDUIT	203.0
0.6256	0.0120			
Pipe_-(211)	Structure_-(220)	Structure_-(219)	CONDUIT	126.0

0.5079	0.0120				
Pipe_-(212)		Structure_-(221)	Structure_-(220)	CONDUIT	144.0
0.4583	0.0120				
Pipe_-(213)		Structure_-(222)	Structure_-(221)	CONDUIT	177.0
0.4181	0.0120				
Pipe_-(214)		Structure_-(223)	Structure_-(222)	CONDUIT	125.0
0.5200	0.0120				
Pipe_-(215)		Structure520	Structure_-(223)	CONDUIT	161.7
0.4994	0.0120				
Pipe_-(22)		Structure_-(23)	Structure_-(24)	CONDUIT	4.4
0.2279	0.0100				
Pipe_-(221)		Structure_-(230)	Structure_-(171)	CONDUIT	124.5
1.8642	0.0120				
Pipe_-(222)		Structure_-(231)	Structure_-(230)	CONDUIT	122.7
1.0661	0.0100				
Pipe_-(223)		Structure_-(232)	Structure_-(231)	CONDUIT	124.1
1.0558	0.0120				
Pipe_-(224)		Structure_-(233)	Structure_-(232)	CONDUIT	108.3
0.6002	0.0120				
Pipe_-(225)		Structure_-(234)	Structure_-(233)	CONDUIT	184.8
0.6995	0.0120				
Pipe_-(226)		Structure_-(235)	Structure_-(234)	CONDUIT	127.0
0.7402	0.0120				
Pipe_-(227)		Structure_-(236)	Structure_-(235)	CONDUIT	203.0
0.3498	0.0120				
Pipe_-(228)		Structure_-(237)	Structure_-(236)	CONDUIT	120.0
0.4167	0.0120				
Pipe_-(229)		Structure_-(238)	Structure_-(237)	CONDUIT	150.0
0.3200	0.0120				
Pipe_-(23)		Structure_-(24)	Structure_-(25)	CONDUIT	34.4
0.2036	0.0100				
Pipe_-(230)		Structure_-(239)	Structure_-(238)	CONDUIT	177.0
0.5028	0.0120				
Pipe_-(231)		Structure_-(240)	Structure_-(239)	CONDUIT	125.0
0.8960	0.0120				
Pipe_-(232)		Structure_-(241)	Structure_-(240)	CONDUIT	160.0
0.7438	0.0120				
Pipe_-(234)		Structure_-(243)	Structure_-(242)	CONDUIT	124.0
0.4759	0.0120				
Pipe_-(235)		Structure_-(244)	Structure_-(243)	CONDUIT	98.1
1.0605	0.0120				
Pipe_-(236)		Structure_-(245)	Structure_-(244)	CONDUIT	97.7
0.2763	0.0120				
Pipe_-(237)		Structure_-(246)	Structure_-(231)	CONDUIT	13.0
12.7170	0.0120				
Pipe_-(238)		Structure_-(247)	Structure_-(246)	CONDUIT	94.0
0.2153	0.0120				
Pipe_-(239)		Structure_-(248)	Structure_-(247)	CONDUIT	186.0
0.4140	0.0120				
Pipe_-(24)		Structure_-(25)	Structure_-(26)	CONDUIT	158.8
0.2016	0.0100				
Pipe_-(240)		Structure_-(249)	Structure_-(248)	CONDUIT	127.0
0.7402	0.0120				

Pipe_-(241)	Structure_-(250)	Structure_-(249)	CONDUIT	203.0
0.3498	0.0120			
Pipe_-(242)	Structure_-(251)	Structure_-(250)	CONDUIT	126.0
0.3968	0.0120			
Pipe_-(243)	Structure_-(252)	Structure_-(251)	CONDUIT	144.0
0.3333	0.0120			
Pipe_-(244)	Structure_-(253)	Structure_-(252)	CONDUIT	177.0
0.4859	0.0120			
Pipe_-(245)	Structure_-(254)	Structure_-(253)	CONDUIT	125.0
0.8480	0.0120			
Pipe_-(246)	Structure_-(255)	Structure_-(254)	CONDUIT	160.0
0.8000	0.0120			
Pipe_-(247)	Structure_-(256)	Structure_-(230)	CONDUIT	13.0
18.2989	0.0120			
Pipe_-(248)	Structure_-(257)	Structure_-(256)	CONDUIT	94.0
0.1915	0.0120			
Pipe_-(249)	Structure_-(258)	Structure_-(257)	CONDUIT	186.0
0.5645	0.0120			
Pipe_-(25)	Structure_-(26)	Structure_-(27)	CONDUIT	449.4
0.2003	0.0100			
Pipe_-(250)	Structure_-(259)	Structure_-(258)	CONDUIT	127.0
0.5039	0.0120			
Pipe_-(251)	Structure_-(260)	Structure_-(259)	CONDUIT	203.0
0.6256	0.0120			
Pipe_-(252)	Structure_-(261)	Structure_-(260)	CONDUIT	126.0
0.5079	0.0120			
Pipe_-(253)	Structure_-(262)	Structure_-(261)	CONDUIT	144.0
0.4583	0.0120			
Pipe_-(254)	Structure_-(263)	Structure_-(262)	CONDUIT	177.0
0.4181	0.0120			
Pipe_-(255)	Structure_-(264)	Structure_-(263)	CONDUIT	125.0
0.5200	0.0120			
Pipe_-(256)	Structure_-(265)	Structure_-(264)	CONDUIT	160.0
0.5750	0.0120			
Pipe_-(257)	Structure_-(266)	Structure_-(265)	CONDUIT	130.4
0.5062	0.0120			
Pipe_-(258)	Structure_-(267)	Structure_-(266)	CONDUIT	24.6
0.0041	0.0120			
Pipe_-(259)	Structure_-(268)	Structure_-(267)	CONDUIT	101.0
0.4754	0.0120			
Pipe_-(26)	Structure_-(27)	Structure_-(28)	CONDUIT	58.2
0.2061	0.0100			
Pipe_-(260)	Structure_-(269)	Structure_-(268)	CONDUIT	41.9
0.5256	0.0100			
Pipe_-(261)	Structure_-(270)	Structure_-(267)	CONDUIT	135.0
0.4666	0.0120			
Pipe_-(264)	Structure_-(273)	Structure_-(274)	CONDUIT	172.7
0.1450	0.0120			
Pipe_-(265)	Structure_-(274)	Structure_-(275)	CONDUIT	102.1
0.1759	0.0120			
Pipe_-(266)	Structure_-(275)	Structure_-(276)	CONDUIT	121.8
0.3940	0.0120			
Pipe_-(267)	Structure_-(276)	Structure_-(277)	CONDUIT	159.0

0.3962	0.0120				
Pipe_-(268)	Structure_-(277)	Structure_-(278)	CONDUIT		127.9
0.5550	0.0120				
Pipe_-(27)	Structure_-(28)	Structure_-(29)	CONDUIT		35.7
0.1958	0.0100				
Pipe_-(277)	Structure_-(287)	Structure_-(277)	CONDUIT		134.5
2.7665	0.0120				
Pipe_-(278)	Structure_-(288)	Structure_-(287)	CONDUIT		122.3
0.8424	0.0120				
Pipe_-(28)	Structure_-(29)	Structure_-(30)	CONDUIT		143.4
0.2022	0.0100				
Pipe_-(285)	Structure_-(490)	Structure_-(287)	CONDUIT		143.8
0.7163	0.0120				
Pipe_-(288)	Structure_-(298)	Structure_-(276)	CONDUIT		241.1
0.6884	0.0120				
Pipe_-(29)	Structure_-(30)	Structure_-(31)	CONDUIT		387.2
0.1988	0.0100				
Pipe_-(295)	Structure_-(305)	Structure_-(277)	CONDUIT		54.0
7.4465	0.0120				
Pipe_-(296)	Structure_-(306)	Structure_-(305)	CONDUIT		153.1
0.6861	0.0120				
Pipe_-(3)	Structure_-(3)	Structure_-(4)	CONDUIT		130.0
0.2000	0.0120				
Pipe_-(30)	Structure_-(31)	Structure_-(32)	CONDUIT		197.5
0.1975	0.0100				
Pipe_-(307)	CB19	Structure_-(319)	CONDUIT		171.0
0.1755	0.0120				
Pipe_-(308)	Structure_-(319)	Structure_-(320)	CONDUIT		90.0
0.1667	0.0120				
Pipe_-(309)	Structure_-(320)	CB22	CONDUIT		88.1
0.1590	0.0120				
Pipe_-(31)	Structure_-(32)	Structure_-(33)	CONDUIT		99.5
0.2010	0.0100				
Pipe_-(310)	CB22	SDMH539	CONDUIT		153.2
1.0722	0.0120				
Pipe_-(311)	SDMH539	SDCB6003	CONDUIT		236.8
0.5913	0.0120				
Pipe_-(312)	SDCB6003	SDMH297	CONDUIT		178.1
0.2527	0.0120				
Pipe_-(313)	Structure_-(325)	Structure_-(319)	CONDUIT		155.6
0.0434	0.0120				
Pipe_-(314)	Structure_-(326)	Structure_-(325)	CONDUIT		112.8
1.0397	0.0120				
Pipe_-(319)	Structure_-(331)	Structure_-(319)	CONDUIT		70.0
3.6596	0.0100				
Pipe_-(32)	Structure_-(33)	Structure_-(34)	CONDUIT		379.9
0.2001	0.0100				
Pipe_-(320)	Structure_-(332)	Structure_-(320)	CONDUIT		60.0
4.7721	0.0100				
Pipe_-(321)	Structure_-(333)	CB22	CONDUIT		42.0
3.3352	0.0120				
Pipe_-(322)	CB30	Structure_-(333)	CONDUIT		89.0
0.5056	0.0120				

Pipe_-(323)	CB31	CB30	CONDUIT	185.0
0.1243 0.0120				
Pipe_-(327)	SDCB541	CB22	CONDUIT	38.0
0.2306 0.0120				
Pipe_-(328)	SDCB543	SDCB541	CONDUIT	143.6
0.6615 0.0120				
Pipe_-(329)	Structure_-(341)	SDCB543	CONDUIT	100.2
1.3780 0.0120				
Pipe_-(33)	Structure_-(34)	Structure_-(35)	CONDUIT	649.8
0.2001 0.0100				
Pipe_-(331)	SDMH538	SDMH539	CONDUIT	41.1
2.1925 0.0120				
Pipe_-(333)	SDMH540	SDMH539	CONDUIT	44.2
0.0906 0.0100				
Pipe_-(334)	CB33	SDMH540	CONDUIT	83.8
3.0348 0.0100				
Pipe_-(337)	SDMH299	SDMH297	CONDUIT	30.6
0.0654 0.0220				
Pipe_-(338)	Structure522	SDMH299	CONDUIT	222.9
0.0774 0.0220				
Pipe_-(34)	Structure_-(35)	Structure_-(56)	CONDUIT	98.9
0.2023 0.0100				
Pipe_-(340)	SDCB6005	SDCB6003	CONDUIT	185.6
3.1111 0.0100				
Pipe_-(35)	Structure_-(56)	Structure_-(37)	CONDUIT	137.2
0.1967 0.0120				
Pipe_-(358)	Structure_-(371)	Structure_-(370)	CONDUIT	36.6
0.4855 0.0100				
Pipe_-(359)	Structure_-(372)	Structure_-(371)	CONDUIT	689.8
0.3001 0.0100				
Pipe_-(36)	Structure_-(37)	Structure_-(38)	CONDUIT	146.8
0.1976 0.0120				
Pipe_-(360)	Structure_-(370)	Structure_-(373)	CONDUIT	34.4
0.2395 0.0100				
Pipe_-(361)	Structure_-(374)	Structure_-(375)	CONDUIT	42.5
0.6940 0.0100				
Pipe_-(362)	Structure_-(375)	Structure_-(376)	CONDUIT	27.3
0.8805 0.0100				
Pipe_-(363)	Structure_-(376)	Structure_-(377)	CONDUIT	46.1
0.6508 0.0100				
Pipe_-(364)	Structure_-(377)	Structure_-(378)	CONDUIT	69.7
0.5312 0.0100				
Pipe_-(365)	Structure_-(378)	Structure_-(379)	CONDUIT	62.4
6.6209 0.0100				
Pipe_-(366)	Structure_-(379)	Structure_-(380)	CONDUIT	115.7
-0.6657 0.0120				
Pipe_-(367)	Structure_-(380)	Structure_-(381)	CONDUIT	75.7
0.2377 0.0120				
Pipe_-(369)	Structure_-(502)	Structure_-(379)	CONDUIT	25.0
15.5846 0.0100				
Pipe_-(37)	Structure_-(38)	Structure_-(39)	CONDUIT	56.8
0.1937 0.0120				
Pipe_-(370)	Structure_-(478)	Structure_-(379)	CONDUIT	133.0

0.0075	0.0120				
Pipe_-(374)		Structure_-(389)	Structure_-(390)	CONDUIT	139.2
0.0007	0.0220				
Pipe_-(375)		Structure_-(390)	Structure_-(391)	CONDUIT	166.0
0.2892	0.0220				
Pipe_-(376)		Structure_-(396)	Structure_-(391)	CONDUIT	90.0
0.9667	0.0220				
Pipe_-(377)		Structure_-(392)	Structure_-(393)	CONDUIT	116.8
0.8052	0.0120				
Pipe_-(378)		Structure_-(393)	Structure_-(394)	CONDUIT	88.4
2.2076	0.0120				
Pipe_-(379)		Structure_-(394)	Structure_-(395)	CONDUIT	79.8
2.2051	0.0120				
Pipe_-(38)		Structure_-(39)	Structure_-(40)	CONDUIT	89.7
0.1981	0.0120				
Pipe_-(380)		Structure_-(391)	Structure_-(392)	CONDUIT	63.5
6.3263	0.0220				
Pipe_-(381)		Structure_-(397)	Structure_-(393)	CONDUIT	15.5
8.4382	0.0100				
Pipe_-(382)		Structure_-(398)	Structure_-(393)	CONDUIT	53.2
1.6905	0.0100				
Pipe_-(383)		Structure_-(399)	Structure_-(398)	CONDUIT	40.0
1.7002	0.0100				
Pipe_-(384)		Structure_-(400)	Structure_-(393)	CONDUIT	79.0
1.1395	0.0100				
Pipe_-(385)		Structure_-(401)	Structure_-(400)	CONDUIT	109.0
1.1923	0.0100				
Pipe_-(386)		Structure_-(404)	Structure_-(401)	CONDUIT	67.7
1.6840	0.0100				
Pipe_-(387)		Structure_-(405)	Structure_-(404)	CONDUIT	40.0
2.0004	0.0100				
Pipe_-(389)		Structure_-(407)	Structure_-(394)	CONDUIT	17.5
16.2439	0.0100				
Pipe_-(39)		Structure_-(40)	Structure_-(41)	CONDUIT	115.8
1.8909	0.0120				
Pipe_-(390)		Structure_-(96)	Structure_-(408)	CONDUIT	43.9
0.2909	0.0120				
Pipe_-(4)		Structure_-(4)	Structure_-(5)	CONDUIT	160.9
0.1989	0.0120				
Pipe_-(40)		Structure_-(41)	Structure_-(42)	CONDUIT	40.0
0.0999	0.0120				
Pipe_-(404)		Structure_-(426)	Structure593	CONDUIT	104.4
3.8451	0.0120				
Pipe_-(405)		Structure_-(427)	Structure_-(426)	CONDUIT	62.6
0.4152	0.0120				
Pipe_-(408)		Structure_-(431)	Outfall_002A	CONDUIT	950.0
1.0001	0.0100				
Pipe_-(409)		Structure_-(432)	Structure_-(431)	CONDUIT	68.3
0.4978	0.0100				
Pipe_-(41)		Structure_-(42)	Structure_-(43)	CONDUIT	199.0
0.2726	0.0120				
Pipe_-(410)		Structure_-(433)	Structure_-(432)	CONDUIT	62.9
0.5084	0.0100				



Pipe_-(411)	Structure_-(434)	Structure_-(433)	CONDUIT	230.9
0.5024	0.0100			
Pipe_-(412)	Structure_-(435)	Structure_-(434)	CONDUIT	2.7
0.3663	0.0100			
Pipe_-(42)	Structure_-(43)	Structure_-(44)	CONDUIT	122.0
0.1967	0.0120			
Pipe_-(423)	Structure_-(446)	Structure_-(447)	CONDUIT	73.6
0.5030	0.0100			
Pipe_-(424)	Structure_-(447)	Structure_-(448)	CONDUIT	63.1
0.4916	0.0100			
Pipe_-(425)	Structure_-(448)	Structure_-(449)	CONDUIT	396.9
0.5014	0.0100			
Pipe_-(426)	Structure_-(449)	Structure_-(450)	CONDUIT	119.9
0.5003	0.0100			
Pipe_-(427)	Structure_-(450)	Structure_-(451)	CONDUIT	41.3
0.4839	0.0100			
Pipe_-(429)	Structure_-(453)	Structure_-(454)	CONDUIT	11.8
0.0424	0.0100			
Pipe_-(43)	Structure_-(44)	Structure_-(45)	CONDUIT	19.0
0.2105	0.0120			
Pipe_-(430)	Structure_-(454)	Structure_-(455)	CONDUIT	27.1
0.0479	0.0100			
Pipe_-(431)	Structure_-(455)	Structure_-(456)	CONDUIT	161.9
0.1236	0.0100			
Pipe_-(432)	Structure_-(456)	Structure_-(457)	CONDUIT	40.0
0.2548	0.0140			
Pipe_-(433)	Structure_-(457)	Structure_-(458)	CONDUIT	167.8
0.1375	0.0140			
Pipe_-(434)	Facility77_PS	Structure_-(459)	CONDUIT	325.4
0.5010	0.0140			
Pipe_-(435)	Structure_-(459)	Structure_-(460)	CONDUIT	8.3
0.4844	0.0140			
Pipe_-(436)	Structure_-(460)	Structure_-(461)	CONDUIT	100.1
0.5992	0.0140			
Pipe_-(437)	Structure_-(461)	Structure_-(462)	CONDUIT	31.1
0.4828	0.0140			
Pipe_-(438)	Structure_-(462)	Structure_-(463)	CONDUIT	349.4
0.5009	0.0140			
Pipe_-(439)	Structure_-(463)	Structure_-(446)	CONDUIT	7.0
-154.9749	0.0140			
Pipe_-(44)	Structure_-(45)	Structure_-(46)	CONDUIT	34.0
0.2059	0.0120			
Pipe_-(443)	Structure_-(470)	Structure_-(469)	CONDUIT	101.0
3.5720	0.0120			
Pipe_-(444)	Structure_-(471)	Structure_-(470)	CONDUIT	38.1
0.4466	0.0120			
Pipe_-(445)	Structure_-(472)	Structure_-(471)	CONDUIT	26.9
0.4826	0.0120			
Pipe_-(446)	Structure_-(473)	Structure_-(472)	CONDUIT	17.0
0.5153	0.0120			
Pipe_-(447)	Structure_-(475)	Structure_-(476)	CONDUIT	23.2
0.4732	0.0100			
Pipe_-(448)	Structure_-(476)	Structure_-(477)	CONDUIT	64.1

0.4993	0.0100	Pipe_-(449)	Structure_-(477)	Structure_-(478)	CONDUIT	65.6
0.5027	0.0100	Pipe_-(45)	Structure_-(46)	Structure_-(47)	CONDUIT	102.3
0.4498	0.0240	Pipe_-(450)	Structure593	Structure_-(478)	CONDUIT	68.2
0.0440	0.0120	Pipe_-(452)	Structure_-(481)	Structure_-(453)	CONDUIT	1398.0
0.0036	0.0100	Pipe_-(453)	Structure_-(482)	Structure_-(481)	CONDUIT	89.7
0.0558	0.0100	Pipe_-(454)	Structure_-(483)	Structure_-(482)	CONDUIT	107.6
0.0465	0.0100	Pipe_-(455)	Structure_-(484)	Structure_-(483)	CONDUIT	26.5
0.4524	0.0100	Pipe_-(456)	Structure_-(485)	Structure_-(484)	CONDUIT	20.4
0.1473	0.0100	Pipe_-(460)	Structure_-(487)	Structure_-(477)	CONDUIT	26.7
0.4866	0.0100	Pipe_-(461)	Structure_-(395)	Structure587	CONDUIT	54.5
0.0018	0.0240	Pipe_-(462)	Structure_-(489)	Structure_-(395)	CONDUIT	49.0
0.9193	0.0240	Pipe_-(467)	SDMH297	SDMH301	CONDUIT	257.0
0.0700	0.0120	Pipe_-(47)	Structure_-(47)	Structure_-(50)	CONDUIT	73.5
0.6123	0.0220	Pipe_-(474)	Structure_-(98)	Structure_-(495)	CONDUIT	29.9
0.3010	0.0120	Pipe_-(49)	Structure_-(50)	Structure_-(51)	CONDUIT	84.8
0.3065	0.0220	Pipe_-(5)	Structure_-(5)	Structure_-(6)	CONDUIT	336.7
0.1990	0.0120	Pipe_-(50)	Structure_-(51)	Structure_-(52)	CONDUIT	103.2
0.2132	0.0220	Pipe_-(51)	Structure_-(52)	Structure_-(53)	CONDUIT	143.4
0.0070	0.0220	Pipe_-(52)	Structure_-(53)	Structure_-(54)	CONDUIT	210.5
0.0131	0.0120	Pipe_-(53)	Structure_-(54)	Facility77_Inlet	CONDUIT	122.3
0.3126	0.0220	Pipe_-(54)	Structure_-(57)	Structure_-(56)	CONDUIT	105.3
0.1995	0.0120	Pipe_-(55)	Structure_-(58)	Structure_-(57)	CONDUIT	51.9
0.1927	0.0120	Pipe_-(56)	Structure_-(59)	Structure_-(58)	CONDUIT	154.5
0.2006	0.0120	Pipe_-(57)	Structure_-(60)	Structure_-(59)	CONDUIT	60.0
0.2000	0.0120	Pipe_-(58)	Structure_-(61)	Structure_-(60)	CONDUIT	48.0
0.2083	0.0120	Pipe_-(59)	Structure_-(62)	Structure_-(61)	CONDUIT	50.4
0.1983	0.0120					

Pipe_-(6)	Structure_-(6)	Structure_-(7)	CONDUIT	172.8
0.2012 0.0120				
Pipe_-(60)	Structure_-(63)	Structure_-(62)	CONDUIT	125.3
0.1995 0.0120				
Pipe_-(65)	Structure_-(70)	Structure_-(37)	CONDUIT	40.0
0.1999 0.0120				
Pipe_-(66)	Structure_-(71)	Structure_-(70)	CONDUIT	54.1
2.0504 0.0120				
Pipe_-(67)	Structure_-(72)	Structure_-(71)	CONDUIT	30.2
0.1988 0.0120				
Pipe_-(68)	Structure_-(73)	Structure_-(72)	CONDUIT	134.3
0.2011 0.0120				
Pipe_-(69)	Structure_-(74)	Structure_-(73)	CONDUIT	120.0
0.2000 0.0120				
Pipe_-(7)	Structure_-(7)	Structure_-(8)	CONDUIT	122.8
0.2056 0.0140				
Pipe_-(70)	Structure_-(75)	Structure_-(74)	CONDUIT	120.0
0.2000 0.0120				
Pipe_-(71)	Structure_-(76)	Structure_-(75)	CONDUIT	120.0
0.2000 0.0120				
Pipe_-(72)	Structure_-(77)	Structure_-(76)	CONDUIT	120.0
0.2000 0.0120				
Pipe_-(73)	Structure_-(78)	Structure_-(77)	CONDUIT	120.0
0.2000 0.0120				
Pipe_-(74)	Structure_-(79)	Structure_-(38)	CONDUIT	104.5
0.1913 0.0120				
Pipe_-(75)	Structure_-(80)	Structure_-(79)	CONDUIT	143.3
0.2024 0.0120				
Pipe_-(76)	Structure_-(81)	Structure_-(80)	CONDUIT	120.0
0.2000 0.0120				
Pipe_-(77)	Structure_-(82)	Structure_-(81)	CONDUIT	120.0
0.2000 0.0120				
Pipe_-(78)	Structure_-(83)	Structure_-(82)	CONDUIT	120.0
0.2000 0.0120				
Pipe_-(79)	Structure_-(84)	Structure_-(83)	CONDUIT	120.0
0.2000 0.0120				
Pipe_-(8)	Structure_-(8)	Structure_-(9)	CONDUIT	138.0
0.2029 0.0140				
Pipe_-(80)	Structure_-(85)	Structure_-(84)	CONDUIT	120.0
0.2000 0.0120				
Pipe_-(81)	Structure_-(86)	Structure_-(42)	CONDUIT	73.5
3.1325 0.0120				
Pipe_-(82)	Structure_-(87)	Structure_-(86)	CONDUIT	22.4
0.3571 0.0120				
Pipe_-(83)	Structure_-(88)	Structure_-(87)	CONDUIT	47.0
0.3830 0.0120				
Pipe_-(84)	Structure_-(89)	Structure_-(88)	CONDUIT	27.4
0.3283 0.0120				
Pipe_-(85)	Structure_-(90)	Structure_-(89)	CONDUIT	102.0
0.1349 0.0120				
Pipe_-(87)	Structure_-(92)	Structure_-(90)	CONDUIT	49.7
2.2385 0.0120				
Pipe_-(88)	Structure_-(93)	Structure_-(92)	CONDUIT	74.6

0.4824	0.0120	Pipe_-(89)	Structure_-(94)	Structure_-(93)	CONDUIT	42.4
0.4011	0.0120	Pipe_-(9)	Structure_-(9)	Structure_-(10)	CONDUIT	265.4
0.0301	0.0140	Pipe_-(90)	Structure_-(95)	Structure_-(94)	CONDUIT	16.9
0.1040	0.0120	Pipe_-(91)	Structure_-(408)	Structure_-(95)	CONDUIT	30.5
0.0735	0.0120	Pipe_-(92)	Structure_-(97)	Structure_-(96)	CONDUIT	118.4
0.2957	0.0120	Pipe_-(93)	Structure_-(495)	Structure_-(97)	CONDUIT	29.5
0.3049	0.0120	Pipe_-(94)	Structure_-(99)	Structure_-(98)	CONDUIT	63.1
0.3013	0.0120	Pipe_-(95)	Structure_-(100)	Structure_-(99)	CONDUIT	98.8
0.3036	0.0120	Pipe_-(96)	Structure_-(101)	Structure_-(100)	CONDUIT	16.8
0.2977	0.0120	Pipe_-(97)	Structure_-(102)	Structure_-(99)	CONDUIT	59.7
0.3017	0.0120	Pipe_PS_A	Structure_-(373)	Structure_-(485)	CONDUIT	10.0
42.3538	0.0100	Pipe_PS_B	Structure602	Structure_-(47)	CONDUIT	280.0
0.0107	0.0140	Pipe468	SDMH301	Ditch5_Inlet	CONDUIT	77.0
0.0649	0.0120	Pipe483	SDCB294	Structure521	CONDUIT	80.1
0.9983	0.0120	PSC_Overflow	PSC_Sump	Structure_-(489)	CONDUIT	142.0
6.5350	0.0220	PSC_to_Outfall	PSC_Outlet	Structure_-(435)	CONDUIT	600.0
2.5075	0.0100	Roadside_Culvert	Roadside_Connection	Ditch9_10_11	CONDUIT	45.0
0.4889	0.0120	SU1-2_Force1	SU1-2_PSOut	SU1-2_J1	CONDUIT	420.0
0.0002	0.0100	SU1-2_Force2_1	SU1-2_J1	SU1-2_J1-2	CONDUIT	405.0
0.4938	0.0100	SU1-2_Force2_2	SU1-2_J1-2	SU1-2_J2	CONDUIT	1215.0
0.4938	0.0100	SU1-2_Force3	SU1-2_J2	Structure_-(431)	CONDUIT	450.0
1.6380	0.0100	SU1-2_SouthDitch	SU1-2_South	SU1-2_Central	CONDUIT	750.0
1.0667	0.0250	SU67-FM1	SU67-J1	SU67-J2	CONDUIT	1380.0
0.1884	0.0100	SU67-FM2	SU67-J2	SU67-J3	CONDUIT	600.0
0.2167	0.0100	SU67-FM3	SU67-J3	SU67-J4	CONDUIT	140.0
0.1429	0.0100	SU67-FM4	SU67-J4	SU67-J5	CONDUIT	225.0
1.3512	0.0100					

SU67-FM5	SU67-J5	SU67-J6	CONDUIT	225.0
0.4133 0.0100				
SU67-FM6	SU67-J6	SU67-J7	CONDUIT	110.0
0.4182 0.0100				
SU67-FM7	SU67-J7	77_Thickeners	CONDUIT	1240.0
0.0347 0.0100				
SU6-E	SU6-1E	Ditch9_10_11	CONDUIT	520.0
0.4231 0.0250				
SU6-SU7_2	Ditch11_12	PS_SU6-7	CONDUIT	65.0
0.5692 0.0120				
UDitch_Single	Ditch3_Out	UDitch_Out	CONDUIT	670.0
0.0746 0.0250				
UDitch_Transition	UDitch_Out	Ditch4_Out	CONDUIT	450.0
1.0001 0.0250				
004Pump1	PS004	Structure_-(23)	TYPE3 PUMP	
77Pump1	Facility77_Inlet	Facility77_PS	TYPE3 PUMP	
77Pump2	Facility77_Inlet	Facility77_PS	TYPE3 PUMP	
CPump1	PSC_Sump	PSC_Outlet	TYPE4 PUMP	
CPump2	PSC_Sump	PSC_Outlet	TYPE4 PUMP	
PumpSU7-1	PS_SU6-7	SU67-J1	TYPE4 PUMP	
SU1-2_Pump	SU1-2_PS	SU1-2_PSOut	TYPE4 PUMP	
W1	SU1-2_PS	SU1-2_Overflow	WEIR	
PondOutlet	RetenionPond	PSC_Sump	OUTLET	

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Cross Section Summary  
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of	Full		Full	Full	Hyd.	Max.	No.
Conduit	Flow	Shape	Depth	Area	Rad.	Width	
Barrels							
1	172_to_Inlet	CIRCULAR	4.00	12.57	1.00	4.00	
	3496.98						
1	278_to_PS_B	CIRCULAR	2.25	3.98	0.56	2.25	
	86.47						
1	381_to_PS77	RECT_CLOSED	3.00	51.90	1.28	17.30	
	239.39						
1	458_to_Inlet	CIRCULAR	1.67	2.18	0.42	1.67	
	239.93						
1	469_to_Inlet	CIRCULAR	2.00	3.14	0.50	2.00	
	550.74						
1	C1_1	TRAPEZOIDAL	2.00	32.00	1.30	24.00	
	124.41						
1	C1_2	CIRCULAR	2.00	3.14	0.50	2.00	
	17.33						
1	Culvert11	CIRCULAR	2.00	3.14	0.50	2.00	
	20.87						
1	Culvert12	TRAPEZOIDAL	3.50	66.50	2.40	26.00	
	1428.06						

Culvert12a	TRAPEZOIDAL	3.50	66.50	2.40	26.00
1 269.87					
Ditch_77	TRAPEZOIDAL	1.30	36.54	0.92	39.42
1 22.12					
Ditch11	TRAPEZOIDAL	3.50	59.50	2.32	24.00
1 849.88					
Ditch12	TRAPEZOIDAL	3.50	66.50	2.40	26.00
1 274.79					
Ditch13	TRAPEZOIDAL	2.60	52.78	1.82	28.10
1 11.33					
Ditch14	TRAPEZOIDAL	1.30	36.54	0.92	39.42
1 113.27					
Ditch15	TRAPEZOIDAL	1.30	10.73	0.64	16.51
1 19.92					
Ditch16	TRAPEZOIDAL	1.90	39.71	0.95	41.80
1 120.37					
Ditch17	TRAPEZOIDAL	3.40	43.86	2.17	18.00
1 340.31					
Ditch18	TRAPEZOIDAL	3.20	39.04	1.88	19.40
1 281.37					
Ditch2	TRAPEZOIDAL	5.00	450.00	4.22	105.00
1 1952.52					
Ditch3	TRAPEZOIDAL	5.00	325.00	3.98	80.00
1 1356.45					
Ditch4_1	TRAPEZOIDAL	5.00	325.00	3.98	80.00
1 1315.95					
Ditch4_2	TRAPEZOIDAL	5.00	325.00	3.98	80.00
1 1315.95					
Ditch4_489	TRAPEZOIDAL	11.00	374.00	6.11	56.00
1 87.88					
Ditch5	TRAPEZOIDAL	4.90	104.86	3.13	31.20
1 420.61					
Ditch6	TRAPEZOIDAL	7.00	152.95	3.90	35.85
1 55.49					
Ditch7	TRAPEZOIDAL	6.00	130.80	3.54	34.10
1 713.90					
Ditch8	TRAPEZOIDAL	6.85	117.31	3.17	34.25
1 917.65					
Ditch9	TRAPEZOIDAL	3.50	35.00	1.88	17.00
1 211.85					
Facility73_to_Pond	FORCE_MAIN	1.33	1.40	0.33	1.33
1 3.46					
Pipe_-(1)	CIRCULAR	1.50	1.77	0.38	1.50
1 5.02					
Pipe_-(10)	CIRCULAR	3.00	7.07	0.75	3.00
1 5.34					
Pipe_-(10)-(1)	CIRCULAR	3.00	7.07	0.75	3.00
1 13.42					
Pipe_-(117)	CIRCULAR	1.75	2.41	0.44	1.75
1 22.51					
Pipe_-(118)	CIRCULAR	1.75	2.41	0.44	1.75
1 10.04					
Pipe_-(119)	CIRCULAR	1.75	2.41	0.44	1.75

1	16.34					
	Pipe_-(120)	CIRCULAR	1.25	1.23	0.31	1.25
1	3.29					
	Pipe_-(122)	CIRCULAR	1.25	1.23	0.31	1.25
1	4.94					
	Pipe_-(123)	CIRCULAR	1.00	0.79	0.25	1.00
1	3.44					
	Pipe_-(124)	CIRCULAR	1.00	0.79	0.25	1.00
1	2.43					
	Pipe_-(125)	CIRCULAR	1.00	0.79	0.25	1.00
1	4.40					
	Pipe_-(126)	CIRCULAR	1.00	0.79	0.25	1.00
1	5.06					
	Pipe_-(127)	CIRCULAR	1.25	1.23	0.31	1.25
1	4.86					
	Pipe_-(128)	CIRCULAR	1.00	0.79	0.25	1.00
1	3.41					
	Pipe_-(130)	CIRCULAR	1.00	0.79	0.25	1.00
1	5.75					
	Pipe_-(133)	CIRCULAR	1.00	0.79	0.25	1.00
1	5.00					
	Pipe_-(134)	CIRCULAR	1.00	0.79	0.25	1.00
1	1.75					
	Pipe_-(135)	CIRCULAR	1.00	0.79	0.25	1.00
1	1.76					
	Pipe_-(136)	CIRCULAR	1.00	0.79	0.25	1.00
1	7.18					
	Pipe_-(137)	CIRCULAR	1.00	0.79	0.25	1.00
1	6.68					
	Pipe_-(138)	CIRCULAR	1.00	0.79	0.25	1.00
1	6.69					
	Pipe_-(153)	CIRCULAR	1.00	0.79	0.25	1.00
1	3.45					
	Pipe_-(154)	CIRCULAR	1.25	1.23	0.31	1.25
1	6.35					
	Pipe_-(155)	CIRCULAR	1.50	1.77	0.38	1.50
1	8.07					
	Pipe_-(156)	CIRCULAR	1.75	2.41	0.44	1.75
1	9.91					
	Pipe_-(157)	CIRCULAR	1.75	2.41	0.44	1.75
1	10.81					
	Pipe_-(158)	CIRCULAR	1.75	2.41	0.44	1.75
1	10.15					
	Pipe_-(159)	CIRCULAR	1.75	2.41	0.44	1.75
1	14.77					
	Pipe_-(160)	CIRCULAR	2.00	3.14	0.50	2.00
1	10.93					
	Pipe_-(161)	CIRCULAR	2.00	3.14	0.50	2.00
1	10.72					
	Pipe_-(162)	CIRCULAR	2.00	3.14	0.50	2.00
1	69.11					
	Pipe_-(163)	CIRCULAR	4.00	12.57	1.00	4.00
1	140.50					

1	Pipe_-(164)	CIRCULAR	2.75	5.94	0.69	2.75
1	102.81					
1	Pipe_-(165)	CIRCULAR	2.00	3.14	0.50	2.00
1	19.67					
1	Pipe_-(166)	CIRCULAR	1.50	1.77	0.38	1.50
1	5.77					
1	Pipe_-(167)	CIRCULAR	1.50	1.77	0.38	1.50
1	10.29					
1	Pipe_-(168)	CIRCULAR	1.50	1.77	0.38	1.50
1	7.20					
1	Pipe_-(169)	CIRCULAR	1.50	1.77	0.38	1.50
1	7.57					
1	Pipe_-(170)	CIRCULAR	1.25	1.23	0.31	1.25
1	4.67					
1	Pipe_-(171)	CIRCULAR	1.25	1.23	0.31	1.25
1	2.22					
1	Pipe_-(172)	CIRCULAR	1.00	0.79	0.25	1.00
1	3.07					
1	Pipe_-(18)	CIRCULAR	1.75	2.41	0.44	1.75
1	8.14					
1	Pipe_-(19)	CIRCULAR	1.50	1.77	0.38	1.50
1	5.09					
1	Pipe_-(196)	CIRCULAR	2.00	3.14	0.50	2.00
1	47.37					
1	Pipe_-(197)	CIRCULAR	2.00	3.14	0.50	2.00
1	10.84					
1	Pipe_-(198)	CIRCULAR	2.00	3.14	0.50	2.00
1	15.77					
1	Pipe_-(199)	CIRCULAR	1.75	2.41	0.44	1.75
1	14.77					
1	Pipe_-(2)	CIRCULAR	1.50	1.77	0.38	1.50
1	5.10					
1	Pipe_-(20)	CIRCULAR	1.50	1.77	0.38	1.50
1	5.07					
1	Pipe_-(200)	CIRCULAR	1.75	2.41	0.44	1.75
1	10.15					
1	Pipe_-(201)	CIRCULAR	1.75	2.41	0.44	1.75
1	10.26					
1	Pipe_-(202)	CIRCULAR	1.75	2.41	0.44	1.75
1	10.41					
1	Pipe_-(203)	CIRCULAR	1.50	1.77	0.38	1.50
1	8.07					
1	Pipe_-(204)	CIRCULAR	1.25	1.23	0.31	1.25
1	6.35					
1	Pipe_-(205)	CIRCULAR	1.00	0.79	0.25	1.00
1	3.45					
1	Pipe_-(206)	CIRCULAR	2.00	3.14	0.50	2.00
1	57.73					
1	Pipe_-(207)	CIRCULAR	2.00	3.14	0.50	2.00
1	10.72					
1	Pipe_-(208)	CIRCULAR	2.00	3.14	0.50	2.00
1	18.41					
1	Pipe_-(209)	CIRCULAR	2.00	3.14	0.50	2.00



1	17.40					
	Pipe_-(210)	CIRCULAR	1.75	2.41	0.44	1.75
1	13.58					
	Pipe_-(211)	CIRCULAR	1.75	2.41	0.44	1.75
1	12.23					
	Pipe_-(212)	CIRCULAR	1.75	2.41	0.44	1.75
1	11.62					
	Pipe_-(213)	CIRCULAR	1.75	2.41	0.44	1.75
1	11.10					
	Pipe_-(214)	CIRCULAR	1.50	1.77	0.38	1.50
1	8.21					
	Pipe_-(215)	CIRCULAR	1.25	1.23	0.31	1.25
1	4.95					
	Pipe_-(22)	FORCE_MAIN	0.25	0.05	0.06	0.25
1	0.05					
	Pipe_-(221)	CIRCULAR	3.00	7.07	0.75	3.00
1	98.66					
	Pipe_-(222)	CIRCULAR	2.50	4.91	0.63	2.50
1	55.06					
	Pipe_-(223)	CIRCULAR	2.00	3.14	0.50	2.00
1	25.18					
	Pipe_-(224)	CIRCULAR	2.00	3.14	0.50	2.00
1	18.99					
	Pipe_-(225)	CIRCULAR	2.00	3.14	0.50	2.00
1	20.50					
	Pipe_-(226)	CIRCULAR	1.75	2.41	0.44	1.75
1	14.77					
	Pipe_-(227)	CIRCULAR	1.75	2.41	0.44	1.75
1	10.15					
	Pipe_-(228)	CIRCULAR	1.75	2.41	0.44	1.75
1	11.08					
	Pipe_-(229)	CIRCULAR	1.75	2.41	0.44	1.75
1	9.71					
	Pipe_-(23)	FORCE_MAIN	0.50	0.20	0.13	0.50
1	0.29					
	Pipe_-(230)	CIRCULAR	1.50	1.77	0.38	1.50
1	8.07					
	Pipe_-(231)	CIRCULAR	1.25	1.23	0.31	1.25
1	6.62					
	Pipe_-(232)	CIRCULAR	1.00	0.79	0.25	1.00
1	3.33					
	Pipe_-(234)	CIRCULAR	1.50	1.77	0.38	1.50
1	7.85					
	Pipe_-(235)	CIRCULAR	1.50	1.77	0.38	1.50
1	11.72					
	Pipe_-(236)	CIRCULAR	1.50	1.77	0.38	1.50
1	5.98					
	Pipe_-(237)	CIRCULAR	2.00	3.14	0.50	2.00
1	87.40					
	Pipe_-(238)	CIRCULAR	2.00	3.14	0.50	2.00
1	11.37					
	Pipe_-(239)	CIRCULAR	2.00	3.14	0.50	2.00
1	15.77					

1	Pipe_-(24)	FORCE_MAIN	0.50	0.20	0.13	0.50
	0.29					
1	Pipe_-(240)	CIRCULAR	1.75	2.41	0.44	1.75
	14.77					
1	Pipe_-(241)	CIRCULAR	1.75	2.41	0.44	1.75
	10.15					
1	Pipe_-(242)	CIRCULAR	1.75	2.41	0.44	1.75
	10.81					
1	Pipe_-(243)	CIRCULAR	1.75	2.41	0.44	1.75
	9.91					
1	Pipe_-(244)	CIRCULAR	1.50	1.77	0.38	1.50
	7.93					
1	Pipe_-(245)	CIRCULAR	1.25	1.23	0.31	1.25
	6.44					
1	Pipe_-(246)	CIRCULAR	1.00	0.79	0.25	1.00
	3.45					
1	Pipe_-(247)	CIRCULAR	2.00	3.14	0.50	2.00
	104.84					
1	Pipe_-(248)	CIRCULAR	2.00	3.14	0.50	2.00
	10.72					
1	Pipe_-(249)	CIRCULAR	2.00	3.14	0.50	2.00
	18.41					
1	Pipe_-(25)	FORCE_MAIN	0.50	0.20	0.13	0.50
	0.29					
1	Pipe_-(250)	CIRCULAR	2.00	3.14	0.50	2.00
	17.40					
1	Pipe_-(251)	CIRCULAR	1.75	2.41	0.44	1.75
	13.58					
1	Pipe_-(252)	CIRCULAR	1.75	2.41	0.44	1.75
	12.23					
1	Pipe_-(253)	CIRCULAR	1.75	2.41	0.44	1.75
	11.62					
1	Pipe_-(254)	CIRCULAR	1.75	2.41	0.44	1.75
	11.10					
1	Pipe_-(255)	CIRCULAR	1.50	1.77	0.38	1.50
	8.21					
1	Pipe_-(256)	CIRCULAR	1.25	1.23	0.31	1.25
	5.31					
1	Pipe_-(257)	CIRCULAR	1.00	0.79	0.25	1.00
	2.75					
1	Pipe_-(258)	CIRCULAR	1.00	0.79	0.25	1.00
	0.25					
1	Pipe_-(259)	CIRCULAR	1.00	0.79	0.25	1.00
	2.66					
1	Pipe_-(26)	FORCE_MAIN	0.50	0.20	0.13	0.50
	0.30					
1	Pipe_-(260)	CIRCULAR	0.50	0.20	0.13	0.50
	0.53					
1	Pipe_-(261)	CIRCULAR	1.00	0.79	0.25	1.00
	2.64					
1	Pipe_-(264)	CIRCULAR	1.25	1.23	0.31	1.25
	2.66					
1	Pipe_-(265)	CIRCULAR	1.50	1.77	0.38	1.50

1	4.77					
	Pipe_-(266)	CIRCULAR	1.50	1.77	0.38	1.50
1	7.14					
	Pipe_-(267)	CIRCULAR	2.00	3.14	0.50	2.00
1	15.43					
	Pipe_-(268)	CIRCULAR	2.25	3.98	0.56	2.25
1	25.00					
	Pipe_-(27)	FORCE_MAIN	0.50	0.20	0.13	0.50
1	0.29					
	Pipe_-(277)	CIRCULAR	1.25	1.23	0.31	1.25
1	11.64					
	Pipe_-(278)	CIRCULAR	1.00	0.79	0.25	1.00
1	3.54					
	Pipe_-(28)	FORCE_MAIN	0.50	0.20	0.13	0.50
1	0.29					
	Pipe_-(285)	CIRCULAR	1.00	0.79	0.25	1.00
1	3.27					
	Pipe_-(288)	CIRCULAR	1.75	2.41	0.44	1.75
1	14.24					
	Pipe_-(29)	FORCE_MAIN	0.50	0.20	0.13	0.50
1	0.29					
	Pipe_-(295)	CIRCULAR	1.00	0.79	0.25	1.00
1	10.53					
	Pipe_-(296)	CIRCULAR	1.00	0.79	0.25	1.00
1	3.20					
	Pipe_-(3)	CIRCULAR	1.50	1.77	0.38	1.50
1	5.09					
	Pipe_-(30)	FORCE_MAIN	0.50	0.20	0.13	0.50
1	0.29					
	Pipe_-(307)	CIRCULAR	1.50	1.77	0.38	1.50
1	4.77					
	Pipe_-(308)	CIRCULAR	1.50	1.77	0.38	1.50
1	4.65					
	Pipe_-(309)	CIRCULAR	1.50	1.77	0.38	1.50
1	4.54					
	Pipe_-(31)	FORCE_MAIN	0.50	0.20	0.13	0.50
1	0.29					
	Pipe_-(310)	CIRCULAR	1.75	2.41	0.44	1.75
1	17.77					
	Pipe_-(311)	CIRCULAR	2.50	4.91	0.63	2.50
1	34.17					
	Pipe_-(312)	CIRCULAR	2.50	4.91	0.63	2.50
1	22.34					
	Pipe_-(313)	CIRCULAR	1.25	1.23	0.31	1.25
1	1.46					
	Pipe_-(314)	CIRCULAR	1.00	0.79	0.25	1.00
1	3.94					
	Pipe_-(319)	CIRCULAR	0.50	0.20	0.13	0.50
1	1.40					
	Pipe_-(32)	FORCE_MAIN	0.50	0.20	0.13	0.50
1	0.29					
	Pipe_-(320)	CIRCULAR	0.50	0.20	0.13	0.50
1	1.59					

1	Pipe_-(321)	CIRCULAR	1.25	1.23	0.31	1.25
	12.78					
1	Pipe_-(322)	CIRCULAR	1.25	1.23	0.31	1.25
	4.98					
1	Pipe_-(323)	CIRCULAR	1.00	0.79	0.25	1.00
	1.36					
1	Pipe_-(327)	CIRCULAR	1.50	1.77	0.38	1.50
	5.46					
1	Pipe_-(328)	CIRCULAR	1.25	1.23	0.31	1.25
	5.69					
1	Pipe_-(329)	CIRCULAR	1.00	0.79	0.25	1.00
	4.53					
1	Pipe_-(33)	FORCE_MAIN	0.50	0.20	0.13	0.50
	0.29					
1	Pipe_-(331)	CIRCULAR	1.00	0.79	0.25	1.00
	5.72					
1	Pipe_-(333)	CIRCULAR	1.00	0.79	0.25	1.00
	1.39					
1	Pipe_-(334)	CIRCULAR	1.00	0.79	0.25	1.00
	8.07					
1	Pipe_-(337)	CIRCULAR	4.00	12.57	1.00	4.00
	21.70					
1	Pipe_-(338)	CIRCULAR	4.00	12.57	1.00	4.00
	23.61					
1	Pipe_-(34)	FORCE_MAIN	0.50	0.20	0.13	0.50
	0.29					
1	Pipe_-(340)	CIRCULAR	2.00	3.14	0.50	2.00
	51.87					
1	Pipe_-(35)	CIRCULAR	3.50	9.62	0.88	3.50
	48.34					
1	Pipe_-(358)	CIRCULAR	1.50	1.77	0.38	1.50
	9.52					
1	Pipe_-(359)	CIRCULAR	1.50	1.77	0.38	1.50
	7.48					
1	Pipe_-(36)	CIRCULAR	3.50	9.62	0.88	3.50
	48.45					
1	Pipe_-(360)	CIRCULAR	1.50	1.77	0.38	1.50
	6.68					
1	Pipe_-(361)	CIRCULAR	0.67	0.35	0.17	0.67
	1.31					
1	Pipe_-(362)	CIRCULAR	0.67	0.35	0.17	0.67
	1.47					
1	Pipe_-(363)	CIRCULAR	0.67	0.35	0.17	0.67
	1.27					
1	Pipe_-(364)	CIRCULAR	1.00	0.79	0.25	1.00
	3.38					
1	Pipe_-(365)	CIRCULAR	1.00	0.79	0.25	1.00
	11.92					
1	Pipe_-(366)	CIRCULAR	3.50	9.62	0.88	3.50
	88.93					
1	Pipe_-(367)	CIRCULAR	3.50	9.62	0.88	3.50
	53.14					
	Pipe_-(369)	CIRCULAR	0.67	0.35	0.17	0.67

1	6.20					
	Pipe_-(37)	CIRCULAR	3.50	9.62	0.88	3.50
1	47.97					
	Pipe_-(370)	CIRCULAR	3.00	7.07	0.75	3.00
1	6.27					
	Pipe_-(374)	CIRCULAR	1.00	0.79	0.25	1.00
1	0.06					
	Pipe_-(375)	CIRCULAR	1.00	0.79	0.25	1.00
1	1.13					
	Pipe_-(376)	CIRCULAR	1.33	1.40	0.33	1.33
1	4.46					
	Pipe_-(377)	CIRCULAR	1.50	1.77	0.38	1.50
1	10.21					
	Pipe_-(378)	CIRCULAR	1.50	1.77	0.38	1.50
1	16.91					
	Pipe_-(379)	CIRCULAR	1.50	1.77	0.38	1.50
1	16.90					
	Pipe_-(38)	CIRCULAR	3.50	9.62	0.88	3.50
1	48.51					
	Pipe_-(380)	CIRCULAR	1.00	0.79	0.25	1.00
1	5.30					
	Pipe_-(381)	CIRCULAR	1.50	1.77	0.38	1.50
1	39.67					
	Pipe_-(382)	CIRCULAR	0.67	0.35	0.17	0.67
1	2.04					
	Pipe_-(383)	CIRCULAR	0.67	0.35	0.17	0.67
1	2.05					
	Pipe_-(384)	CIRCULAR	1.00	0.79	0.25	1.00
1	4.94					
	Pipe_-(385)	CIRCULAR	0.67	0.35	0.17	0.67
1	1.72					
	Pipe_-(386)	CIRCULAR	0.67	0.35	0.17	0.67
1	2.04					
	Pipe_-(387)	CIRCULAR	0.67	0.35	0.17	0.67
1	2.22					
	Pipe_-(389)	CIRCULAR	0.67	0.35	0.17	0.67
1	6.33					
	Pipe_-(39)	CIRCULAR	3.50	9.62	0.88	3.50
1	149.88					
	Pipe_-(390)	CIRCULAR	1.50	1.77	0.38	1.50
1	6.14					
	Pipe_-(4)	CIRCULAR	2.00	3.14	0.50	2.00
1	10.93					
	Pipe_-(40)	CIRCULAR	3.50	9.62	0.88	3.50
1	34.45					
	Pipe_-(404)	CIRCULAR	1.00	0.79	0.25	1.00
1	7.57					
	Pipe_-(405)	CIRCULAR	1.00	0.79	0.25	1.00
1	2.49					
	Pipe_-(408)	FORCE_MAIN	2.50	4.91	0.63	2.50
1	61.15					
	Pipe_-(409)	FORCE_MAIN	2.50	4.91	0.63	2.50
1	41.96					

1	Pipe_-(41)	CIRCULAR	3.50	9.62	0.88	3.50
	56.91					
1	Pipe_-(410)	FORCE_MAIN	2.50	4.91	0.63	2.50
	42.44					
1	Pipe_-(411)	FORCE_MAIN	2.50	4.91	0.63	2.50
	42.16					
1	Pipe_-(412)	FORCE_MAIN	2.50	4.91	0.63	2.50
	35.55					
1	Pipe_-(42)	CIRCULAR	3.50	9.62	0.88	3.50
	48.34					
1	Pipe_-(423)	FORCE_MAIN	1.50	1.77	0.38	1.50
	11.24					
1	Pipe_-(424)	FORCE_MAIN	1.50	1.77	0.38	1.50
	11.10					
1	Pipe_-(425)	FORCE_MAIN	1.50	1.77	0.38	1.50
	11.22					
1	Pipe_-(426)	FORCE_MAIN	1.50	1.77	0.38	1.50
	11.20					
1	Pipe_-(427)	FORCE_MAIN	1.50	1.77	0.38	1.50
	11.00					
1	Pipe_-(429)	CIRCULAR	1.50	1.77	0.38	1.50
	2.81					
1	Pipe_-(43)	CIRCULAR	3.50	9.62	0.88	3.50
	50.01					
1	Pipe_-(430)	CIRCULAR	1.50	1.77	0.38	1.50
	2.99					
1	Pipe_-(431)	CIRCULAR	1.50	1.77	0.38	1.50
	4.80					
1	Pipe_-(432)	CIRCULAR	1.67	2.18	0.42	1.67
	6.52					
1	Pipe_-(433)	CIRCULAR	1.67	2.18	0.42	1.67
	4.79					
1	Pipe_-(434)	FORCE_MAIN	1.67	2.18	0.42	1.67
	13.75					
1	Pipe_-(435)	FORCE_MAIN	1.67	2.18	0.42	1.67
	13.50					
1	Pipe_-(436)	FORCE_MAIN	1.67	2.18	0.42	1.67
	15.14					
1	Pipe_-(437)	FORCE_MAIN	1.67	2.18	0.42	1.67
	13.48					
1	Pipe_-(438)	FORCE_MAIN	1.67	2.18	0.42	1.67
	13.75					
1	Pipe_-(439)	FORCE_MAIN	1.67	2.18	0.42	1.67
	304.16					
1	Pipe_-(44)	CIRCULAR	3.50	9.62	0.88	3.50
	49.46					
1	Pipe_-(443)	CIRCULAR	2.00	3.14	0.50	2.00
	46.32					
1	Pipe_-(444)	CIRCULAR	2.00	3.14	0.50	2.00
	16.38					
1	Pipe_-(445)	CIRCULAR	2.00	3.14	0.50	2.00
	17.03					
1	Pipe_-(446)	CIRCULAR	2.00	3.14	0.50	2.00

1	17.59					
	Pipe_-(447)	CIRCULAR	1.25	1.23	0.31	1.25
1	5.78					
	Pipe_-(448)	CIRCULAR	1.25	1.23	0.31	1.25
1	5.93					
	Pipe_-(449)	CIRCULAR	1.25	1.23	0.31	1.25
1	5.95					
	Pipe_-(45)	ARCH	3.33	14.23	1.00	5.42
1	58.96					
	Pipe_-(450)	CIRCULAR	3.00	7.07	0.75	3.00
1	15.15					
	Pipe_-(452)	CIRCULAR	1.50	1.77	0.38	1.50
1	0.82					
	Pipe_-(453)	CIRCULAR	1.50	1.77	0.38	1.50
1	3.22					
	Pipe_-(454)	CIRCULAR	1.50	1.77	0.38	1.50
1	2.94					
	Pipe_-(455)	CIRCULAR	1.50	1.77	0.38	1.50
1	9.18					
	Pipe_-(456)	CIRCULAR	1.50	1.77	0.38	1.50
1	5.24					
	Pipe_-(460)	CIRCULAR	0.50	0.20	0.13	0.50
1	0.51					
	Pipe_-(461)	CIRCULAR	3.00	7.07	0.75	3.00
1	1.55					
	Pipe_-(462)	CIRCULAR	3.00	7.07	0.75	3.00
1	34.64					
	Pipe_-(467)	CIRCULAR	4.00	12.57	1.00	4.00
1	41.18					
	Pipe_-(47)	ARCH	3.33	14.23	1.00	5.42
1	75.04					
	Pipe_-(474)	CIRCULAR	1.50	1.77	0.38	1.50
1	6.24					
	Pipe_-(49)	ARCH	3.33	14.23	1.00	5.42
1	53.10					
	Pipe_-(5)	CIRCULAR	2.00	3.14	0.50	2.00
1	10.93					
	Pipe_-(50)	ARCH	3.33	14.23	1.00	5.42
1	44.28					
	Pipe_-(51)	ARCH	3.33	14.23	1.00	5.42
1	8.01					
	Pipe_-(52)	ARCH	3.33	14.23	1.00	5.42
1	20.13					
	Pipe_-(53)	ARCH	3.33	14.23	1.00	5.42
1	53.62					
	Pipe_-(54)	CIRCULAR	1.50	1.77	0.38	1.50
1	5.08					
	Pipe_-(55)	CIRCULAR	1.50	1.77	0.38	1.50
1	4.99					
	Pipe_-(56)	CIRCULAR	1.50	1.77	0.38	1.50
1	5.10					
	Pipe_-(57)	CIRCULAR	1.50	1.77	0.38	1.50
1	5.09					

1	Pipe_-(58)	CIRCULAR	1.50	1.77	0.38	1.50
	5.19					
1	Pipe_-(59)	CIRCULAR	1.50	1.77	0.38	1.50
	5.07					
1	Pipe_-(6)	CIRCULAR	2.00	3.14	0.50	2.00
	10.99					
1	Pipe_-(60)	CIRCULAR	1.50	1.77	0.38	1.50
	5.08					
1	Pipe_-(65)	CIRCULAR	1.50	1.77	0.38	1.50
	5.09					
1	Pipe_-(66)	CIRCULAR	1.50	1.77	0.38	1.50
	16.29					
1	Pipe_-(67)	CIRCULAR	1.50	1.77	0.38	1.50
	5.07					
1	Pipe_-(68)	CIRCULAR	1.50	1.77	0.38	1.50
	5.10					
1	Pipe_-(69)	CIRCULAR	1.50	1.77	0.38	1.50
	5.09					
1	Pipe_-(7)	CIRCULAR	2.50	4.91	0.63	2.50
	17.27					
1	Pipe_-(70)	CIRCULAR	1.50	1.77	0.38	1.50
	5.09					
1	Pipe_-(71)	CIRCULAR	1.50	1.77	0.38	1.50
	5.09					
1	Pipe_-(72)	CIRCULAR	1.50	1.77	0.38	1.50
	5.09					
1	Pipe_-(73)	CIRCULAR	1.25	1.23	0.31	1.25
	3.13					
1	Pipe_-(74)	CIRCULAR	1.50	1.77	0.38	1.50
	4.98					
1	Pipe_-(75)	CIRCULAR	1.50	1.77	0.38	1.50
	5.12					
1	Pipe_-(76)	CIRCULAR	1.50	1.77	0.38	1.50
	5.09					
1	Pipe_-(77)	CIRCULAR	1.50	1.77	0.38	1.50
	5.09					
1	Pipe_-(78)	CIRCULAR	1.50	1.77	0.38	1.50
	5.09					
1	Pipe_-(79)	CIRCULAR	1.50	1.77	0.38	1.50
	5.09					
1	Pipe_-(8)	CIRCULAR	2.50	4.91	0.63	2.50
	17.15					
1	Pipe_-(80)	CIRCULAR	1.25	1.23	0.31	1.25
	3.13					
1	Pipe_-(81)	CIRCULAR	2.00	3.14	0.50	2.00
	43.38					
1	Pipe_-(82)	CIRCULAR	2.00	3.14	0.50	2.00
	14.65					
1	Pipe_-(83)	CIRCULAR	2.00	3.14	0.50	2.00
	15.17					
1	Pipe_-(84)	CIRCULAR	2.00	3.14	0.50	2.00
	14.04					
	Pipe_-(85)	CIRCULAR	1.75	2.41	0.44	1.75



1	6.30					
	Pipe_-(87)	CIRCULAR	1.75	2.41	0.44	1.75
1	25.68					
	Pipe_-(88)	CIRCULAR	1.75	2.41	0.44	1.75
1	11.92					
	Pipe_-(89)	CIRCULAR	1.75	2.41	0.44	1.75
1	10.87					
	Pipe_-(9)	CIRCULAR	2.50	4.91	0.63	2.50
1	6.61					
	Pipe_-(90)	CIRCULAR	1.75	2.41	0.44	1.75
1	5.54					
	Pipe_-(91)	CIRCULAR	1.50	1.77	0.38	1.50
1	3.09					
	Pipe_-(92)	CIRCULAR	1.50	1.77	0.38	1.50
1	6.19					
	Pipe_-(93)	CIRCULAR	1.50	1.77	0.38	1.50
1	6.28					
	Pipe_-(94)	CIRCULAR	1.50	1.77	0.38	1.50
1	6.25					
	Pipe_-(95)	CIRCULAR	1.50	1.77	0.38	1.50
1	6.27					
	Pipe_-(96)	CIRCULAR	1.50	1.77	0.38	1.50
1	6.21					
	Pipe_-(97)	CIRCULAR	1.50	1.77	0.38	1.50
1	6.25					
	Pipe_PS_A	CIRCULAR	1.50	1.77	0.38	1.50
1	88.87					
	Pipe_PS_B	CIRCULAR	2.50	4.91	0.63	2.50
1	3.94					
	Pipe468	CIRCULAR	2.00	3.14	0.50	2.00
1	6.25					
	Pipe483	CIRCULAR	1.00	0.79	0.25	1.00
1	3.86					
	PSC_Overflow	CIRCULAR	1.17	1.07	0.29	1.17
1	8.12					
	PSC_to_Outfall	FORCE_MAIN	1.67	2.18	0.42	1.67
1	25.78					
	Roadside_Culvert	CIRCULAR	2.00	3.14	0.50	2.00
1	17.14					
	SU1-2_Force1	FORCE_MAIN	0.99	0.77	0.25	0.99
1	0.06					
	SU1-2_Force2_1	FORCE_MAIN	0.99	0.77	0.25	0.99
1	3.57					
	SU1-2_Force2_2	FORCE_MAIN	0.99	0.77	0.25	0.99
1	3.57					
	SU1-2_Force3	FORCE_MAIN	0.99	0.77	0.25	0.99
1	6.82					
	SU1-2_SouthDitch	TRAPEZOIDAL	4.00	64.00	2.47	24.00
1	718.35					
	SU67-FM1	FORCE_MAIN	1.25	1.22	0.31	1.25
1	3.82					
	SU67-FM2	FORCE_MAIN	1.25	1.22	0.31	1.25
1	4.12					

	SU67-FM3	FORCE_MAIN	1.25	1.22	0.31	1.25
1	3.29					
	SU67-FM4	FORCE_MAIN	1.25	1.22	0.31	1.25
1	11.08					
	SU67-FM5	FORCE_MAIN	1.25	1.22	0.31	1.25
1	5.85					
	SU67-FM6	FORCE_MAIN	1.25	1.22	0.31	1.25
1	5.88					
	SU67-FM7	FORCE_MAIN	1.25	1.22	0.31	1.25
1	1.53					
	SU6-E	TRAPEZOIDAL	2.00	28.00	1.35	20.00
1	132.33					
	SU6-SU7_2	CIRCULAR	2.00	3.14	0.50	2.00
1	18.49					
	UDitch_Single	TRAPEZOIDAL	5.00	825.00	4.54	180.00
1	3674.26					
	UDitch_Transition	TRAPEZOIDAL	14.00	938.00	8.26	109.00
1	22785.16					

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NOTE: The summary statistics displayed in this report are based on results found at every computational time step, not just on results from each reporting time step.  
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#### Analysis Options

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Flow Units ..... CFS  
Process Models:  
  Rainfall/Runoff ..... YES  
  RDII ..... NO  
  Snowmelt ..... NO  
  Groundwater ..... NO  
  Flow Routing ..... YES  
  Ponding Allowed ..... YES  
  Water Quality ..... NO  
Infiltration Method ..... HORTON  
Flow Routing Method ..... DYNWAVE  
Surcharge Method ..... EXTRAN  
Starting Date ..... 11/15/1962 00:00:00  
Ending Date ..... 11/28/1962 23:00:00  
Antecedent Dry Days ..... 0.0  
Report Time Step ..... 00:01:00  
Wet Time Step ..... 00:05:00  
Dry Time Step ..... 00:05:00  
Routing Time Step ..... 1.00 sec  
Variable Time Step ..... YES  
Maximum Trials ..... 8  
Number of Threads ..... 2  
Head Tolerance ..... 0.005000 ft

```

*****
Runoff Quantity Continuity
*****
Volume          Depth
acre-feet      inches
-----
Total Precipitation ..... 0.000 0.000
Evaporation Loss ..... 0.000 0.000
Infiltration Loss ..... 0.000 0.000
Surface Runoff ..... 0.000 0.000
Final Storage ..... 0.000 0.000
Continuity Error (%) ..... 0.000

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*****
Flow Routing Continuity
*****
Volume          Volume
acre-feet      10^6 gal
-----
Dry Weather Inflow ..... 0.000 0.000
Wet Weather Inflow ..... 0.000 0.000
Groundwater Inflow ..... 0.000 0.000
RDII Inflow ..... 0.000 0.000
External Inflow ..... 219.455 71.513
External Outflow ..... 193.338 63.002
Flooding Loss ..... 0.000 0.000
Evaporation Loss ..... 0.000 0.000
Exfiltration Loss ..... 0.000 0.000
Initial Stored Volume .... 6.074 1.979
Final Stored Volume ..... 32.754 10.674
Continuity Error (%) ..... -0.250

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*****
Highest Continuity Errors
*****
Node Structure_-(458) (6.73%)
Node Structure_-(481) (5.77%)
Node Structure_-(453) (4.01%)
Node Structure_-(483) (3.43%)
Node Structure_-(469) (2.98%)

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*****
Time-Step Critical Elements
*****
Link 381_to_PS77 (46.75%)
Link Pipe_-(412) (21.17%)
Link Pipe_-(22) (11.22%)
Link 458_to_Inlet (6.85%)
Link 469_to_Inlet (4.57%)

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*****
Highest Flow Instability Indexes
*****

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Link Pipe\_-(462) (85)  
 Link 469\_to\_Inlet (84)  
 Link Pipe\_-(461) (84)  
 Link Pipe\_-(247) (76)  
 Link Pipe\_-(162) (75)

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Routing Time Step Summary

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Minimum Time Step : 0.20 sec  
 Average Time Step : 0.58 sec  
 Maximum Time Step : 1.00 sec  
 Percent in Steady State : 0.00  
 Average Iterations per Step : 6.65  
 Percent Not Converging : 45.21  
 Time Step Frequencies :  
     1.000 - 0.871 sec : 8.76 %  
     0.871 - 0.758 sec : 5.65 %  
     0.758 - 0.660 sec : 5.09 %  
     0.660 - 0.574 sec : 3.35 %  
     0.574 - 0.500 sec : 77.15 %

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Subcatchment Runoff Summary

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Perv	Total	Total	Total	Total	Total	Total	Imperv
Runoff	Runoff	Total	Peak	Runoff	Evap	Infil	Runoff
Subcatchment	in	Precip	Runon	Coeff	in	in	in
in	in	in	in				
-----							
2.1		0.00	0.00		0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.000			
2.2		0.00	0.00		0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.000			
2.3		0.00	0.00		0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.000			
2.4		0.00	0.00		0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.000			
3		0.00	0.00		0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.000			
5		0.00	0.00		0.00	0.00	0.00
0.00	0.00	0.00	0.00	0.000			
A		0.00	0.00		0.00	0.00	0.00

	0.00	0.00	0.00	0.00	0.000			
B			0.00	0.00	0.000	0.00	0.00	0.00
C			0.00	0.00	0.000	0.00	0.00	0.00
D			0.00	0.00	0.000	0.00	0.00	0.00
E			0.00	0.00	0.000	0.00	0.00	0.00
F			0.00	0.00	0.000	0.00	0.00	0.00
G			0.00	0.00	0.000	0.00	0.00	0.00
H			0.00	0.00	0.000	0.00	0.00	0.00
	0.00	0.00	0.00	0.00	0.000			

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Node Depth Summary  
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Reported		Average	Maximum	Maximum	Time of Max	
Depth		Depth	Depth	HGL	Occurrence	Max
Node	Type	Feet	Feet	Feet	days hr:min	
Feet						
CB19	JUNCTION	0.12	0.99	7.60	4	17:00
0.99						
CB22	JUNCTION	0.18	0.97	6.99	4	17:00
0.97						
CB30	JUNCTION	0.31	0.59	7.76	4	17:00
0.59						
CB31	JUNCTION	0.15	0.83	8.23	4	17:00
0.83						
CB33	JUNCTION	0.06	0.30	7.47	4	17:00
0.30						
Culvert_Ditch11	JUNCTION	2.91	7.68	10.39	4	18:26
7.65						
Culvert_Ditch12a	JUNCTION	3.02	7.76	10.36	4	18:28
7.76						
Culvert_Ditch12b	JUNCTION	3.01	7.75	10.36	4	18:28
7.75						
Culvert_Ditch12c	JUNCTION	2.63	7.36	10.36	4	18:27
7.36						
Ditch1_2	JUNCTION	0.27	2.33	11.33	5	04:50
2.33						

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Ditch11_12 8.04	JUNCTION	3.30	8.04	10.36	4	18:28
Ditch12_18 7.48	JUNCTION	1.28	7.48	7.98	5	17:25
Ditch14_15 1.29	JUNCTION	0.69	1.29	5.41	4	17:07
Ditch15_16 1.10	JUNCTION	0.61	1.10	4.22	4	17:08
Ditch16_17 0.47	JUNCTION	0.05	0.47	2.65	4	17:11
Ditch17_5_6 1.40	JUNCTION	0.30	1.40	2.64	4	17:10
Ditch2_3 3.08	JUNCTION	0.47	3.08	11.33	5	04:47
Ditch3_Out 3.33	JUNCTION	0.58	3.33	11.33	5	04:48
Ditch4_In 2.33	JUNCTION	0.32	2.33	11.33	5	04:50
Ditch4_Out 8.33	JUNCTION	4.72	8.33	11.33	5	04:45
Ditch5_Inlet 0.88	JUNCTION	0.13	0.89	3.14	4	17:08
Ditch6_7 1.25	JUNCTION	0.26	1.25	2.49	4	17:12
Ditch7_8 1.91	JUNCTION	0.61	1.91	-0.41	4	17:11
Ditch9_10_11 7.37	JUNCTION	2.63	7.37	10.37	4	18:27
Ditch9_Inlet 0.41	JUNCTION	0.06	0.41	10.86	4	17:01
Facility77_PS 48.74	JUNCTION	20.47	48.74	57.04	5	03:30
PS004 9.98	JUNCTION	3.04	9.98	7.98	5	17:25
PSC_Outlet 49.92	JUNCTION	19.26	49.92	61.42	5	15:51
Roadside_Connection 7.15	JUNCTION	2.42	7.15	10.37	4	18:27
SDCB294 1.89	JUNCTION	0.37	1.90	4.43	4	17:00
SDCB541 1.70	JUNCTION	0.93	1.70	7.01	4	17:00
SDCB543 0.62	JUNCTION	0.24	0.62	7.73	4	17:00
SDCB6003 1.60	JUNCTION	0.28	1.60	4.53	4	17:00
SDCB6005 3.10	JUNCTION	2.94	3.10	8.85	4	17:00
SDMH297 1.81	JUNCTION	0.36	1.81	4.29	4	17:03
SDMH299 1.80	JUNCTION	0.34	1.80	4.30	4	17:03
SDMH301	JUNCTION	0.34	1.85	4.15	4	16:58

1.84							
SDMH538	JUNCTION	1.12	1.41	6.29	4	17:00	
1.41							
SDMH539	JUNCTION	1.02	1.91	5.44	4	17:00	
1.91							
SDMH540	JUNCTION	0.81	1.72	5.50	4	17:00	
1.72							
Structure_-(1)	JUNCTION	0.85	4.91	12.33	4	13:15	
3.88							
Structure_-(10)	JUNCTION	3.00	6.57	11.31	5	01:57	
6.55							
Structure_-(100)	JUNCTION	0.07	0.71	11.33	5	02:01	
0.71							
Structure_-(101)	JUNCTION	0.05	0.66	11.33	5	02:01	
0.66							
Structure_-(102)	JUNCTION	0.07	0.83	11.33	5	02:02	
0.83							
Structure_-(123)	JUNCTION	0.82	3.79	11.26	5	02:42	
3.79							
Structure_-(124)	JUNCTION	0.70	8.66	16.36	4	10:57	
3.56							
Structure_-(125)	JUNCTION	0.16	1.44	11.26	5	02:36	
1.44							
Structure_-(126)	JUNCTION	0.13	1.14	11.26	5	02:36	
1.14							
Structure_-(128)	JUNCTION	0.05	0.27	11.40	4	17:00	
0.26							
Structure_-(129)	JUNCTION	0.04	0.20	13.01	4	17:00	
0.20							
Structure_-(130)	JUNCTION	0.09	0.65	11.26	5	02:37	
0.65							
Structure_-(131)	JUNCTION	0.05	0.22	11.36	4	17:00	
0.22							
Structure_-(132)	JUNCTION	0.03	0.16	12.10	4	17:00	
0.16							
Structure_-(133)	JUNCTION	0.08	0.64	11.26	5	02:35	
0.64							
Structure_-(134)	JUNCTION	0.29	0.45	11.75	4	17:00	
0.45							
Structure_-(136)	JUNCTION	0.90	1.03	12.87	4	17:00	
1.03							
Structure_-(139)	JUNCTION	3.53	7.16	11.28	5	03:18	
7.13							
Structure_-(140)	JUNCTION	3.44	7.05	11.27	5	03:10	
7.03							
Structure_-(141)	JUNCTION	4.06	7.64	11.24	5	02:43	
7.64							
Structure_-(142)	JUNCTION	2.34	5.80	11.25	5	02:43	
5.80							
Structure_-(143)	JUNCTION	1.52	4.88	11.28	5	03:11	
4.87							
Structure_-(144)	JUNCTION	1.25	4.51	11.27	5	03:11	
4.49							

Structure_-(161)	JUNCTION	1.80	5.10	11.23	5	03:14
5.10						
Structure_-(162)	JUNCTION	2.55	5.98	11.23	5	02:47
5.98						
Structure_-(163)	JUNCTION	3.09	6.61	11.23	5	02:46
6.61						
Structure_-(164)	JUNCTION	3.61	7.19	11.23	5	02:46
7.19						
Structure_-(165)	JUNCTION	3.91	7.52	11.23	5	02:47
7.52						
Structure_-(166)	JUNCTION	4.24	7.87	11.23	5	02:45
7.87						
Structure_-(167)	JUNCTION	4.77	8.43	11.23	5	03:17
8.43						
Structure_-(168)	JUNCTION	5.37	9.07	11.23	5	02:48
9.07						
Structure_-(169)	JUNCTION	5.93	9.64	11.22	5	02:48
9.64						
Structure_-(170)	JUNCTION	6.10	9.87	11.27	5	03:22
9.85						
Structure_-(171)	JUNCTION	8.95	12.84	11.26	5	03:19
12.83						
Structure_-(172)	JUNCTION	10.34	14.23	11.23	5	03:10
14.22						
Structure_-(173)	JUNCTION	6.93	10.67	11.22	5	02:49
10.67						
Structure_-(174)	JUNCTION	6.39	10.12	11.23	5	02:49
10.12						
Structure_-(175)	JUNCTION	6.14	9.90	11.26	5	03:19
9.88						
Structure_-(176)	JUNCTION	5.09	8.83	11.27	5	03:21
8.81						
Structure_-(177)	JUNCTION	4.25	7.92	11.27	5	03:20
7.89						
Structure_-(178)	JUNCTION	3.33	6.89	11.23	5	02:46
6.89						
Structure_-(179)	JUNCTION	2.53	5.99	11.23	5	02:46
5.99						
Structure_-(180)	JUNCTION	3.19	9.54	14.13	4	11:02
9.53						
Structure_-(181)	JUNCTION	1.76	9.01	15.14	4	11:03
9.00						
Structure_-(19)	JUNCTION	2.69	6.25	11.30	5	01:58
6.23						
Structure_-(2)	JUNCTION	0.92	4.96	12.27	4	13:15
4.00						
Structure_-(20)	JUNCTION	2.06	5.52	11.29	5	02:30
5.52						
Structure_-(205)	JUNCTION	6.10	9.82	11.23	5	02:49
9.82						
Structure_-(206)	JUNCTION	5.92	9.64	11.23	5	02:49
9.64						
Structure_-(207)	JUNCTION	5.37	9.07	11.23	5	02:48



9.07	Structure_-(208)	JUNCTION	4.77	8.44	11.23	5	02:48
8.44	Structure_-(209)	JUNCTION	4.24	7.88	11.23	5	02:45
7.88	Structure_-(21)	JUNCTION	1.73	5.13	11.29	5	02:27
5.13	Structure_-(210)	JUNCTION	3.96	7.58	11.23	5	02:46
7.58	Structure_-(211)	JUNCTION	3.61	7.20	11.23	5	02:46
7.20	Structure_-(212)	JUNCTION	3.09	6.61	11.23	5	02:47
6.61	Structure_-(213)	JUNCTION	2.55	5.98	11.23	5	02:47
5.98	Structure_-(214)	JUNCTION	1.80	5.10	11.23	5	02:46
5.10	Structure_-(215)	JUNCTION	6.56	10.29	11.22	5	02:49
10.29	Structure_-(216)	JUNCTION	6.38	10.11	11.23	5	02:49
10.11	Structure_-(217)	JUNCTION	5.60	9.31	11.23	5	02:49
9.31	Structure_-(218)	JUNCTION	5.13	8.82	11.23	5	02:48
8.82	Structure_-(219)	JUNCTION	4.18	7.80	11.23	5	02:45
7.80	Structure_-(220)	JUNCTION	3.72	7.31	11.23	5	02:47
7.31	Structure_-(221)	JUNCTION	3.26	6.81	11.23	5	02:48
6.81	Structure_-(222)	JUNCTION	2.78	6.27	11.23	5	02:46
6.27	Structure_-(223)	JUNCTION	2.34	5.77	11.23	5	02:47
5.77	Structure_-(23)	JUNCTION	4.84	19.94	34.42	5	19:37
19.94	Structure_-(230)	JUNCTION	7.68	11.48	11.22	5	02:49
11.48	Structure_-(231)	JUNCTION	6.90	10.68	11.23	5	02:49
10.67	Structure_-(232)	JUNCTION	6.13	9.87	11.23	5	02:49
9.87	Structure_-(233)	JUNCTION	6.43	10.17	11.23	5	02:49
10.17	Structure_-(234)	JUNCTION	5.37	9.07	11.23	5	02:48
9.07	Structure_-(235)	JUNCTION	4.77	8.43	11.23	5	02:48
8.43	Structure_-(236)	JUNCTION	4.24	7.87	11.23	5	02:47
7.87	Structure_-(237)	JUNCTION	3.91	7.53	11.23	5	02:47
7.53							

Structure_-(238)	JUNCTION	3.61	7.20	11.23	5	02:47
7.20						
Structure_-(239)	JUNCTION	3.09	6.61	11.23	5	02:46
6.61						
Structure_-(24)	JUNCTION	2.35	11.12	25.59	5	23:07
11.12						
Structure_-(240)	JUNCTION	2.47	5.89	11.23	5	02:46
5.89						
Structure_-(241)	JUNCTION	1.80	5.10	11.23	5	02:47
5.10						
Structure_-(242)	JUNCTION	1.92	2.22	5.42	4	17:07
2.22						
Structure_-(243)	JUNCTION	1.37	3.07	6.83	5	00:22
2.00						
Structure_-(244)	JUNCTION	0.46	0.79	5.47	4	17:00
0.79						
Structure_-(245)	JUNCTION	0.23	0.56	5.51	4	17:00
0.56						
Structure_-(246)	JUNCTION	6.12	9.85	11.23	5	02:49
9.85						
Structure_-(247)	JUNCTION	5.92	9.64	11.23	5	02:48
9.64						
Structure_-(248)	JUNCTION	5.37	9.07	11.23	5	02:48
9.07						
Structure_-(249)	JUNCTION	4.77	8.43	11.23	5	02:48
8.43						
Structure_-(25)	JUNCTION	2.30	10.93	25.33	5	23:12
10.93						
Structure_-(250)	JUNCTION	4.24	7.88	11.23	5	02:47
7.88						
Structure_-(251)	JUNCTION	3.91	7.53	11.23	5	02:47
7.53						
Structure_-(252)	JUNCTION	3.61	7.20	11.23	5	02:46
7.20						
Structure_-(253)	JUNCTION	3.12	6.64	11.23	5	02:46
6.64						
Structure_-(254)	JUNCTION	2.55	5.98	11.23	5	02:46
5.98						
Structure_-(255)	JUNCTION	1.80	5.10	11.23	5	02:47
5.10						
Structure_-(256)	JUNCTION	6.55	10.29	11.22	5	02:48
10.29						
Structure_-(257)	JUNCTION	6.38	10.11	11.23	5	02:50
10.11						
Structure_-(258)	JUNCTION	5.60	9.31	11.23	5	02:47
9.31						
Structure_-(259)	JUNCTION	5.13	8.83	11.23	5	02:47
8.83						
Structure_-(26)	JUNCTION	2.17	10.30	24.38	5	23:26
10.30						
Structure_-(260)	JUNCTION	4.18	7.81	11.23	5	02:46
7.81						
Structure_-(261)	JUNCTION	3.72	7.32	11.23	5	02:46

7.32							
Structure_-(262)	JUNCTION	3.26	6.81	11.23	5	02:46	
6.81							
Structure_-(263)	JUNCTION	2.78	6.27	11.23	5	02:47	
6.27							
Structure_-(264)	JUNCTION	2.34	5.77	11.24	5	02:46	
5.77							
Structure_-(265)	JUNCTION	1.79	5.11	11.24	5	02:45	
5.11							
Structure_-(266)	JUNCTION	1.24	5.19	11.98	4	11:04	
4.46							
Structure_-(267)	JUNCTION	1.25	5.00	11.80	4	11:05	
4.47							
Structure_-(268)	JUNCTION	0.92	5.00	12.29	4	11:03	
3.97							
Structure_-(269)	JUNCTION	0.79	5.00	12.49	4	11:03	
3.76							
Structure_-(27)	JUNCTION	1.84	8.70	21.88	5	23:37	
8.70							
Structure_-(270)	JUNCTION	0.83	5.01	12.43	4	11:03	
3.83							
Structure_-(273)	JUNCTION	0.08	0.30	11.43	4	17:00	
0.30							
Structure_-(274)	JUNCTION	0.08	0.65	11.28	5	02:26	
0.65							
Structure_-(275)	JUNCTION	0.09	0.83	11.28	5	02:27	
0.83							
Structure_-(276)	JUNCTION	0.25	2.01	11.28	5	02:25	
2.01							
Structure_-(277)	JUNCTION	0.43	2.91	11.30	5	01:57	
2.89							
Structure_-(278)	JUNCTION	0.70	3.64	11.30	5	01:57	
3.62							
Structure_-(28)	JUNCTION	1.80	8.49	21.55	5	23:36	
8.49							
Structure_-(287)	JUNCTION	1.68	1.90	12.36	4	17:00	
1.90							
Structure_-(288)	JUNCTION	0.91	1.13	12.36	4	17:00	
1.13							
Structure_-(29)	JUNCTION	1.77	8.37	21.36	5	23:34	
8.37							
Structure_-(298)	JUNCTION	0.53	0.85	11.28	5	02:28	
0.85							
Structure_-(3)	JUNCTION	1.15	4.99	11.94	4	13:15	
4.35							
Structure_-(30)	JUNCTION	1.67	7.86	20.56	5	23:17	
7.86							
Structure_-(305)	JUNCTION	1.71	1.87	12.55	4	17:00	
1.87							
Structure_-(306)	JUNCTION	0.68	0.82	12.56	4	17:00	
0.82							
Structure_-(31)	JUNCTION	1.40	6.48	18.41	5	21:46	
6.48							

Structure_-(319)	JUNCTION	0.21	1.26	7.57	4	17:00
1.26						
Structure_-(32)	JUNCTION	1.26	5.78	17.32	5	20:33
5.78						
Structure_-(320)	JUNCTION	0.24	1.24	7.40	4	17:00
1.24						
Structure_-(325)	JUNCTION	1.09	2.19	7.67	4	17:00
2.18						
Structure_-(326)	JUNCTION	0.09	0.44	7.89	4	17:00
0.44						
Structure_-(33)	JUNCTION	1.20	5.43	16.77	5	19:48
5.43						
Structure_-(331)	JUNCTION	0.89	3.45	11.51	4	16:02
2.69						
Structure_-(332)	JUNCTION	1.03	3.30	11.35	4	16:46
2.07						
Structure_-(333)	JUNCTION	0.76	1.02	7.74	4	17:00
1.02						
Structure_-(34)	JUNCTION	0.92	4.10	14.68	5	16:05
4.10						
Structure_-(341)	JUNCTION	2.11	2.45	8.89	4	17:00
2.45						
Structure_-(35)	JUNCTION	0.48	2.38	11.66	5	02:44
2.38						
Structure_-(37)	JUNCTION	0.42	2.48	11.29	5	02:27
2.48						
Structure_-(370)	JUNCTION	0.43	3.04	11.27	5	03:27
3.02						
Structure_-(371)	JUNCTION	0.37	2.87	11.28	5	03:22
2.83						
Structure_-(372)	JUNCTION	0.06	0.75	11.23	5	03:25
0.75						
Structure_-(373)	JUNCTION	0.44	3.11	11.26	5	03:22
3.09						
Structure_-(374)	JUNCTION	0.27	5.69	14.62	4	10:59
2.33						
Structure_-(375)	JUNCTION	0.33	5.58	14.22	4	10:59
2.63						
Structure_-(376)	JUNCTION	0.40	6.40	14.80	4	11:02
2.86						
Structure_-(377)	JUNCTION	0.50	6.82	14.92	4	10:56
3.16						
Structure_-(378)	JUNCTION	0.66	6.40	14.13	4	10:58
3.51						
Structure_-(379)	JUNCTION	5.33	9.56	11.87	10	05:35
8.95						
Structure_-(38)	JUNCTION	0.48	2.77	11.29	5	02:28
2.77						
Structure_-(380)	JUNCTION	4.52	8.74	11.87	11	13:30
8.11						
Structure_-(381)	JUNCTION	4.69	8.38	11.33	4	10:58
8.29						
Structure_-(389)	JUNCTION	0.00	0.06	11.29	5	03:43

0.06	Structure_-_ (39)	JUNCTION	0.51	2.88	11.29	5	02:26
2.88	Structure_-_ (390)	JUNCTION	0.00	0.06	11.29	5	03:41
0.06	Structure_-_ (391)	JUNCTION	0.06	0.54	11.29	5	03:46
0.54	Structure_-_ (392)	JUNCTION	1.32	4.58	11.32	5	03:42
4.58	Structure_-_ (393)	JUNCTION	2.13	5.53	11.33	5	03:36
5.53	Structure_-_ (394)	JUNCTION	3.70	7.28	11.33	5	04:18
7.27	Structure_-_ (395)	JUNCTION	5.40	9.03	11.32	5	03:42
9.03	Structure_-_ (396)	JUNCTION	0.04	0.19	11.81	4	17:00
0.19	Structure_-_ (397)	JUNCTION	0.30	2.52	11.32	5	03:36
2.51	Structure_-_ (398)	JUNCTION	1.34	4.64	11.34	5	03:42
4.61	Structure_-_ (399)	JUNCTION	0.90	3.95	11.33	5	03:36
3.94	Structure_-_ (4)	JUNCTION	1.32	4.94	11.63	4	13:15
4.61	Structure_-_ (40)	JUNCTION	0.50	3.06	11.29	5	02:28
3.06	Structure_-_ (400)	JUNCTION	0.62	3.43	11.33	5	04:06
3.42	Structure_-_ (401)	JUNCTION	0.18	1.64	11.34	5	03:44
1.63	Structure_-_ (404)	JUNCTION	0.04	0.28	11.32	5	03:45
0.28	Structure_-_ (405)	JUNCTION	0.03	0.13	11.97	4	17:00
0.13	Structure_-_ (407)	JUNCTION	0.30	2.53	11.33	5	03:55
2.51	Structure_-_ (408)	JUNCTION	0.27	1.88	11.35	5	01:56
1.85	Structure_-_ (41)	JUNCTION	1.87	7.19	13.23	4	15:36
5.25	Structure_-_ (42)	JUNCTION	1.90	7.29	13.29	4	15:36
5.28	Structure_-_ (426)	JUNCTION	1.59	4.93	11.29	5	03:20
4.92	Structure_-_ (427)	JUNCTION	2.81	6.04	11.26	5	03:26
6.04	Structure_-_ (43)	JUNCTION	2.36	6.73	12.19	4	15:11
5.82	Structure_-_ (431)	JUNCTION	0.61	1.79	-3.58	4	18:22
1.79	Structure_-_ (432)	JUNCTION	0.54	1.51	-3.52	4	18:23
1.51							

Structure_-(433)	JUNCTION	0.52	1.34	-3.37	4	18:23
1.34						
Structure_-(434)	JUNCTION	0.42	1.01	-2.54	4	18:23
1.01						
Structure_-(435)	JUNCTION	0.45	1.07	-2.47	5	15:51
1.07						
Structure_-(44)	JUNCTION	2.57	6.07	11.29	5	01:56
6.06						
Structure_-(446)	JUNCTION	8.79	19.00	28.97	5	09:58
19.00						
Structure_-(447)	JUNCTION	8.57	17.70	27.30	5	10:02
17.70						
Structure_-(448)	JUNCTION	8.34	16.49	25.78	5	10:12
16.49						
Structure_-(449)	JUNCTION	7.88	11.50	18.80	5	10:41
11.50						
Structure_-(45)	JUNCTION	2.60	6.10	11.28	5	02:30
6.10						
Structure_-(450)	JUNCTION	7.41	9.06	15.76	5	11:16
9.06						
Structure_-(451)	JUNCTION	7.41	9.25	15.75	0	00:00
8.67						
Structure_-(453)	JUNCTION	3.59	7.27	11.22	5	03:26
7.27						
Structure_-(454)	JUNCTION	3.60	7.28	11.22	5	02:52
7.28						
Structure_-(455)	JUNCTION	3.61	7.29	11.22	5	02:52
7.29						
Structure_-(456)	JUNCTION	3.80	7.50	11.23	5	03:13
7.50						
Structure_-(457)	JUNCTION	3.90	7.60	11.23	5	03:13
7.60						
Structure_-(458)	JUNCTION	4.12	7.83	11.23	5	03:12
7.82						
Structure_-(459)	JUNCTION	14.51	29.16	35.83	5	04:08
29.16						
Structure_-(46)	JUNCTION	2.65	6.17	11.28	5	02:30
6.17						
Structure_-(460)	JUNCTION	14.37	28.71	35.34	5	04:09
28.71						
Structure_-(461)	JUNCTION	14.48	27.93	33.96	5	04:16
27.93						
Structure_-(462)	JUNCTION	14.38	27.36	33.24	5	04:21
27.36						
Structure_-(463)	JUNCTION	14.79	25.32	29.45	5	09:56
25.32						
Structure_-(469)	JUNCTION	4.09	7.73	11.23	5	03:16
7.73						
Structure_-(47)	JUNCTION	3.06	6.65	11.30	5	03:18
6.64						
Structure_-(470)	JUNCTION	1.02	5.02	12.12	4	11:01
4.97						
Structure_-(471)	JUNCTION	0.92	5.06	12.34	4	11:02

5.06	Structure_-(472)	JUNCTION	0.84	5.31	12.71	4	10:59
5.07	Structure_-(473)	JUNCTION	0.78	5.29	12.78	4	10:59
5.20	Structure_-(475)	JUNCTION	4.60	8.22	11.30	5	03:51
8.19	Structure_-(476)	JUNCTION	4.70	8.33	11.30	5	03:11
8.31	Structure_-(477)	JUNCTION	5.01	8.63	11.28	5	03:20
8.62	Structure_-(478)	JUNCTION	5.34	8.96	11.28	5	03:31
8.95	Structure_-(481)	JUNCTION	3.54	7.23	11.23	5	02:58
7.23	Structure_-(482)	JUNCTION	3.49	7.18	11.23	5	02:57
7.18	Structure_-(483)	JUNCTION	3.45	7.13	11.23	5	02:57
7.13	Structure_-(484)	JUNCTION	3.34	7.01	11.23	5	02:57
7.01	Structure_-(485)	JUNCTION	3.32	6.98	11.23	5	02:57
6.98	Structure_-(487)	JUNCTION	4.88	8.51	11.29	5	03:12
8.50	Structure_-(489)	JUNCTION	4.98	8.59	11.33	5	04:45
8.59	Structure_-(490)	JUNCTION	0.91	1.14	12.38	4	17:00
1.14	Structure_-(495)	JUNCTION	0.15	1.29	11.33	5	02:02
1.29	Structure_-(5)	JUNCTION	1.57	4.99	11.36	4	13:15
4.94	Structure_-(50)	JUNCTION	3.47	7.10	11.30	5	03:22
7.07	Structure_-(502)	JUNCTION	0.35	4.37	12.83	4	10:56
2.80	Structure_-(503)	JUNCTION	3.02	6.58	11.29	5	01:57
6.58	Structure_-(51)	JUNCTION	3.72	7.35	11.29	5	03:13
7.32	Structure_-(52)	JUNCTION	3.93	7.53	11.25	5	02:42
7.53	Structure_-(53)	JUNCTION	3.94	7.56	11.27	5	03:12
7.54	Structure_-(54)	JUNCTION	3.71	7.34	11.27	5	03:16
7.33	Structure_-(56)	JUNCTION	0.35	2.21	11.29	5	02:27
2.21	Structure_-(57)	JUNCTION	0.28	2.04	11.33	5	01:56
2.01	Structure_-(58)	JUNCTION	0.26	1.94	11.33	5	01:57
1.93							

Structure_-(59)	JUNCTION	0.21	1.60	11.30	5	02:22
1.60						
Structure_-(6)	JUNCTION	2.14	5.59	11.29	5	02:29
5.59						
Structure_-(60)	JUNCTION	0.19	1.48	11.30	5	02:22
1.48						
Structure_-(61)	JUNCTION	0.17	1.38	11.30	5	02:22
1.38						
Structure_-(62)	JUNCTION	0.14	1.28	11.30	5	02:23
1.28						
Structure_-(63)	JUNCTION	0.11	1.03	11.30	5	02:22
1.03						
Structure_-(7)	JUNCTION	2.44	5.94	11.29	5	02:28
5.94						
Structure_-(70)	JUNCTION	0.37	2.42	11.31	5	01:56
2.42						
Structure_-(71)	JUNCTION	0.14	1.29	11.29	5	02:27
1.29						
Structure_-(72)	JUNCTION	0.17	1.23	11.29	5	02:25
1.23						
Structure_-(73)	JUNCTION	0.15	0.97	11.30	5	02:25
0.97						
Structure_-(74)	JUNCTION	0.12	0.73	11.30	5	02:02
0.73						
Structure_-(75)	JUNCTION	0.10	0.50	11.31	5	02:03
0.50						
Structure_-(76)	JUNCTION	0.09	0.42	11.47	4	17:00
0.42						
Structure_-(77)	JUNCTION	0.07	0.34	11.63	4	17:00
0.34						
Structure_-(78)	JUNCTION	0.05	0.26	11.79	4	17:00
0.26						
Structure_-(79)	JUNCTION	0.37	2.59	11.31	5	01:55
2.57						
Structure_-(8)	JUNCTION	2.66	6.21	11.31	5	01:56
6.19						
Structure_-(80)	JUNCTION	0.31	2.32	11.33	5	01:58
2.30						
Structure_-(81)	JUNCTION	0.27	2.07	11.32	5	01:57
2.06						
Structure_-(82)	JUNCTION	0.22	1.81	11.30	5	02:22
1.81						
Structure_-(83)	JUNCTION	0.18	1.57	11.30	5	02:22
1.57						
Structure_-(84)	JUNCTION	0.14	1.33	11.30	5	02:22
1.33						
Structure_-(85)	JUNCTION	0.09	1.09	11.30	5	02:22
1.09						
Structure_-(86)	JUNCTION	1.45	4.04	11.34	5	01:50
4.01						
Structure_-(87)	JUNCTION	1.37	3.94	11.33	5	01:47
3.92						
Structure_-(88)	JUNCTION	1.19	5.00	12.56	4	10:57



3.74	Structure_-(89)	JUNCTION	1.10	5.00	12.65	4	15:33
3.67	Structure_-(9)	JUNCTION	2.92	6.49	11.31	5	01:55
6.48	Structure_-(90)	JUNCTION	0.96	5.01	12.80	4	10:57
3.53	Structure_-(92)	JUNCTION	0.32	2.46	11.36	5	01:58
2.43	Structure_-(93)	JUNCTION	0.29	2.07	11.34	5	01:55
2.06	Structure_-(94)	JUNCTION	0.26	1.90	11.33	5	01:54
1.89	Structure_-(95)	JUNCTION	0.27	1.89	11.34	5	01:54
1.88	Structure_-(96)	JUNCTION	0.23	1.74	11.34	5	01:55
1.73	Structure_-(97)	JUNCTION	0.17	1.38	11.33	5	02:02
1.38	Structure_-(98)	JUNCTION	0.14	1.20	11.33	5	02:02
1.20	Structure_-(99)	JUNCTION	0.11	1.01	11.33	5	02:01
1.01	Structure520	JUNCTION	3.49	6.86	11.23	5	03:14
6.86	Structure521	JUNCTION	1.16	2.57	4.30	4	17:05
2.56	Structure522	JUNCTION	0.81	2.21	4.30	4	17:04
2.21	Structure587	JUNCTION	5.30	8.89	11.26	5	03:34
8.89	Structure593	JUNCTION	5.31	8.90	11.25	5	03:33
8.90	Structure602	JUNCTION	3.05	6.60	11.28	5	02:28
6.60	SU1-2_Central	JUNCTION	3.93	7.37	12.37	4	17:04
7.37	SU1-2_J1	JUNCTION	0.45	40.36	50.36	4	15:25
16.06	SU1-2_J1-2	JUNCTION	0.41	33.31	41.31	4	15:25
13.02	SU1-2_J2	JUNCTION	0.11	0.75	2.75	4	18:22
0.75	SU1-2_Overflow	JUNCTION	0.50	3.08	11.33	5	04:47
3.08	SU1-2_PSOut	JUNCTION	1.15	112.73	122.73	12	02:27
57.13	SU1-2_South	JUNCTION	0.02	0.12	20.12	4	17:00
0.12	SU1-2_West	JUNCTION	0.07	0.51	15.72	4	16:21
0.51	SU6-1E	JUNCTION	0.04	0.30	12.10	4	17:01
0.30							

SU67-J1	JUNCTION	0.69	29.01	42.19	10	12:54
11.72						
SU67-J2	JUNCTION	0.44	29.18	39.76	10	12:54
6.78						
SU67-J3	JUNCTION	0.40	19.00	28.28	10	12:54
5.49						
SU67-J4	JUNCTION	0.33	18.47	27.55	10	12:54
5.00						
SU67-J5	JUNCTION	1.27	19.90	25.94	10	12:54
7.11						
SU67-J6	JUNCTION	1.74	19.03	24.14	10	12:54
7.16						
SU67-J7	JUNCTION	2.04	18.30	22.95	10	12:54
7.15						
UDitch_Out	JUNCTION	0.85	3.83	11.33	5	04:44
3.83						
5_Dummy_Outlet	OUTFALL	0.00	0.00	0.00	0	00:00
0.00						
C_Dummy_Outlet	OUTFALL	0.00	0.00	0.00	0	00:00
0.00						
D_Dummy_Outlet	OUTFALL	0.00	0.00	0.00	0	00:00
0.00						
E_Dummy_Outlet	OUTFALL	0.00	0.00	0.00	0	00:00
0.00						
F_Dummy_Outlet	OUTFALL	0.00	0.00	0.00	0	00:00
0.00						
G_Dummy_Outlet	OUTFALL	0.00	0.00	0.00	0	00:00
0.00						
H_Dummy_Outlet	OUTFALL	0.00	0.00	0.00	0	00:00
0.00						
Outfall_002A	OUTFALL	0.38	0.96	-13.91	4	18:22
0.96						
Outfall003	OUTFALL	0.41	1.55	-1.45	4	17:11
1.55						
77_Thickeners	STORAGE	4.71	9.00	9.00	13	03:01
9.00						
Facility77_Inlet	STORAGE	15.29	19.28	11.23	5	03:10
19.28						
PS_SU6-7	STORAGE	4.62	9.33	10.33	4	18:28
9.33						
PSC_Sump	STORAGE	7.53	14.48	14.98	5	11:26
14.48						
RetenionPond	STORAGE	7.40	8.65	15.15	5	11:30
8.65						
SU1-2_PS	STORAGE	6.44	9.80	12.30	4	17:04
9.80						

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Node Inflow Summary  
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Total Inflow Volume Node 10 <sup>6</sup> gal	Flow Balance Error Percent	Type	Maximum Lateral Inflow CFS	Maximum Total Inflow CFS	Time of Max Occurrence days hr:min	Lateral Inflow Volume 10 <sup>6</sup> gal
CB19 0.82	0.001	JUNCTION	1.55	1.55	4 17:00	0.82
CB22 5.58	0.001	JUNCTION	0.16	10.54	4 17:00	0.082
CB30 0.902	0.022	JUNCTION	0.16	1.71	4 17:00	0.082
CB31 0.82	0.001	JUNCTION	1.55	1.55	4 17:00	0.82
CB33 0.82	0.001	JUNCTION	1.55	1.55	4 17:00	0.82
Culvert_Ditch11 4.49	0.376	JUNCTION	0.00	5.84	4 17:15	0
Culvert_Ditch12a 4.76	0.205	JUNCTION	3.07	6.14	11 13:24	1.53
Culvert_Ditch12b 3.05	1.487	JUNCTION	0.00	7.91	8 17:16	0
Culvert_Ditch12c 1.08	3.215	JUNCTION	0.00	3.96	8 17:16	0
Ditch1_2 0.696	0.011	JUNCTION	0.00	5.40	4 17:07	0
Ditch11_12 7.38	0.272	JUNCTION	0.00	10.24	0 00:00	0
Ditch12_18 1.48	0.040	JUNCTION	1.42	1.42	4 17:00	1.48
Ditch14_15 2.3	0.683	JUNCTION	0.93	4.28	4 17:00	0.492
Ditch15_16 2.77	0.013	JUNCTION	0.93	5.10	4 17:03	0.492
Ditch16_17 3.27	0.001	JUNCTION	0.93	5.99	4 17:05	0.492
Ditch17_5_6 12.9	0.064	JUNCTION	0.31	24.74	4 17:08	0.164
Ditch2_3 6.53	0.373	JUNCTION	4.07	12.06	4 17:08	4.63
Ditch3_Out 20.4	0.535	JUNCTION	0.00	18.43	4 17:11	0
Ditch4_In 11.4	0.072	JUNCTION	6.94	6.94	4 17:00	11.4
Ditch4_Out 30.1	2.158	JUNCTION	0.00	30.59	4 17:09	0

Ditch5_Inlet	JUNCTION	0.31	23.67	4	16:59	0.164
9.5	-0.002					
Ditch6_7	JUNCTION	0.31	24.48	4	17:10	0.164
13.1	0.027					
Ditch7_8	JUNCTION	6.21	30.14	4	17:11	3.28
16.4	0.001					
Ditch9_10_11	JUNCTION	0.00	6.16	4	17:17	0
4.46	-0.019					
Ditch9_Inlet	JUNCTION	2.91	2.91	4	17:00	1.45
1.45	0.469					
Facility77_PS	JUNCTION	0.00	22.28	4	01:11	0
54.4	0.005					
PS004	JUNCTION	0.00	1.21	2	20:00	0
1.48	0.037					
PSC_Outlet	JUNCTION	0.00	13.37	4	01:52	0
43	0.001					
Roadside_Connection	JUNCTION	1.42	4.34	4	13:21	1.48
2.97	-0.166					
SDCB294	JUNCTION	1.55	1.55	4	17:00	0.82
0.82	0.006					
SDCB541	JUNCTION	0.16	1.86	4	17:00	0.082
0.984	0.005					
SDCB543	JUNCTION	0.16	1.71	4	17:00	0.082
0.902	0.007					
SDCB6003	JUNCTION	0.16	14.72	4	17:00	0.082
7.79	0.001					
SDCB6005	JUNCTION	0.62	0.62	4	17:00	0.328
0.328	0.084					
SDMH297	JUNCTION	0.31	18.65	4	17:06	0.164
9.27	0.003					
SDMH299	JUNCTION	0.31	3.84	4	17:06	0.164
1.32	0.023					
SDMH301	JUNCTION	0.16	19.13	4	17:03	0.082
9.34	0.012					
SDMH538	JUNCTION	1.55	1.55	4	17:00	0.82
0.82	0.012					
SDMH539	JUNCTION	0.16	13.95	4	17:00	0.082
7.38	0.001					
SDMH540	JUNCTION	0.16	1.71	4	17:00	0.082
0.902	0.007					
Structure_-(1)	JUNCTION	0.49	0.49	4	17:00	0.255
0.273	0.076					
Structure_-(10)	JUNCTION	0.20	3.70	4	05:23	0.102
2.61	0.426					
Structure_-(100)	JUNCTION	0.20	0.39	4	16:58	0.102
0.205	-0.003					
Structure_-(101)	JUNCTION	0.20	0.20	4	17:00	0.102
0.102	0.001					
Structure_-(102)	JUNCTION	0.29	0.29	4	17:00	0.153
0.153	-0.001					
Structure_-(123)	JUNCTION	0.20	8.60	4	11:01	0.102
1.56	0.022					
Structure_-(124)	JUNCTION	0.20	7.23	4	10:57	0.102

1.03	0.009						
Structure_--(125)		JUNCTION	0.20	2.73	4	11:00	0.102
0.869	-0.003						
Structure_--(126)		JUNCTION	0.20	0.68	4	17:00	0.102
0.358	0.005						
Structure_--(128)		JUNCTION	0.20	0.49	4	17:00	0.102
0.255	-0.007						
Structure_--(129)		JUNCTION	0.29	0.29	4	17:00	0.153
0.153	0.001						
Structure_--(130)		JUNCTION	0.20	0.68	4	17:00	0.102
0.358	0.025						
Structure_--(131)		JUNCTION	0.20	0.49	4	17:00	0.102
0.255	-0.000						
Structure_--(132)		JUNCTION	0.29	0.29	4	17:00	0.153
0.153	0.001						
Structure_--(133)		JUNCTION	0.20	0.78	4	17:00	0.102
0.409	-0.002						
Structure_--(134)		JUNCTION	0.29	0.29	4	17:00	0.153
0.153	0.012						
Structure_--(136)		JUNCTION	0.29	0.29	4	17:00	0.153
0.153	0.052						
Structure_--(139)		JUNCTION	0.20	2.97	4	05:03	0.102
0.671	0.019						
Structure_--(140)		JUNCTION	0.20	0.96	4	16:56	0.102
0.519	-0.039						
Structure_--(141)		JUNCTION	0.20	0.79	4	16:55	0.102
0.417	0.046						
Structure_--(142)		JUNCTION	0.20	0.59	4	16:56	0.102
0.314	-0.108						
Structure_--(143)		JUNCTION	0.20	0.60	4	05:45	0.102
0.225	0.540						
Structure_--(144)		JUNCTION	0.20	0.54	4	05:45	0.102
0.118	0.108						
Structure_--(161)		JUNCTION	0.20	1.62	4	11:05	0.102
0.115	0.908						
Structure_--(162)		JUNCTION	0.20	2.34	4	11:05	0.102
0.247	0.876						
Structure_--(163)		JUNCTION	0.20	3.46	4	11:03	0.102
0.381	0.728						
Structure_--(164)		JUNCTION	0.20	5.33	4	11:03	0.102
0.523	0.516						
Structure_--(165)		JUNCTION	0.20	5.64	4	11:02	0.102
0.673	0.481						
Structure_--(166)		JUNCTION	0.20	7.65	4	10:59	0.102
0.834	0.430						
Structure_--(167)		JUNCTION	0.20	6.96	4	10:57	0.102
1.03	0.329						
Structure_--(168)		JUNCTION	0.20	9.18	4	10:57	0.102
1.23	0.312						
Structure_--(169)		JUNCTION	0.20	9.42	4	10:56	0.102
1.41	0.164						
Structure_--(170)		JUNCTION	0.20	9.98	4	11:01	0.102
1.57	0.019						

Structure_--(171) 9.81 0.243	JUNCTION	0.00	39.94	4	10:57	0
Structure_--(172) 11.3 0.274	JUNCTION	0.00	233.34	4	10:56	0
Structure_--(173) 3.7 0.255	JUNCTION	0.00	14.28	4	10:57	0
Structure_--(174) 2.37 0.264	JUNCTION	0.00	8.68	4	04:46	0
Structure_--(175) 0.81 0.316	JUNCTION	0.00	2.22	4	11:02	0
Structure_--(176) 0.791 0.551	JUNCTION	0.20	2.22	4	11:02	0.102
Structure_--(177) 0.653 0.444	JUNCTION	0.20	2.12	4	11:02	0.102
Structure_--(178) 0.507 0.616	JUNCTION	0.20	2.48	4	11:07	0.102
Structure_--(179) 0.37 0.680	JUNCTION	0.20	2.44	4	11:06	0.102
Structure_--(180) 0.242 1.449	JUNCTION	0.20	2.37	4	11:08	0.102
Structure_--(181) 0.114 0.769	JUNCTION	0.20	1.38	4	11:08	0.102
Structure_--(19) 0.0186 6.740	JUNCTION	0.00	0.27	4	05:14	0
Structure_--(2) 0.586 0.030	JUNCTION	0.49	0.98	4	16:59	0.255
Structure_--(20) 0.17 2.277	JUNCTION	0.00	0.92	4	05:24	0
Structure_--(205) 1.59 -0.315	JUNCTION	0.20	7.86	4	10:57	0.102
Structure_--(206) 1.37 0.211	JUNCTION	0.20	7.56	4	10:57	0.102
Structure_--(207) 1.21 0.292	JUNCTION	0.20	6.86	4	10:57	0.102
Structure_--(208) 1.03 0.414	JUNCTION	0.20	5.37	4	11:02	0.102
Structure_--(209) 0.835 0.440	JUNCTION	0.20	6.21	4	10:59	0.102
Structure_--(21) 0.118 1.154	JUNCTION	0.20	0.32	4	05:26	0.102
Structure_--(210) 0.673 0.468	JUNCTION	0.20	4.70	4	11:00	0.102
Structure_--(211) 0.522 0.472	JUNCTION	0.20	3.76	4	11:03	0.102
Structure_--(212) 0.382 0.598	JUNCTION	0.20	3.74	4	11:03	0.102
Structure_--(213) 0.249 0.669	JUNCTION	0.20	2.57	4	11:04	0.102
Structure_--(214) 0.115 0.324	JUNCTION	0.20	1.76	4	11:04	0.102
Structure_--(215) 1.51 -0.256	JUNCTION	0.20	7.47	4	10:56	0.102
Structure_--(216)	JUNCTION	0.20	7.63	4	10:57	0.102

1.39	0.228						
Structure_-(217)	JUNCTION	0.20	7.94	4	10:57	0.102	
1.23	0.354						
Structure_-(218)	JUNCTION	0.20	6.86	4	10:59	0.102	
1.04	0.340						
Structure_-(219)	JUNCTION	0.20	6.47	4	11:02	0.102	
0.854	0.386						
Structure_-(220)	JUNCTION	0.20	6.52	4	11:03	0.102	
0.709	0.419						
Structure_-(221)	JUNCTION	0.20	4.54	4	11:03	0.102	
0.575	0.561						
Structure_-(222)	JUNCTION	0.20	3.61	4	11:05	0.102	
0.449	0.703						
Structure_-(223)	JUNCTION	0.20	3.04	4	11:03	0.102	
0.336	0.586						
Structure_-(23)	JUNCTION	0.00	1.36	2	20:00	0	
1.48	0.001						
Structure_-(230)	JUNCTION	0.00	18.74	4	10:57	0	
4.7	0.183						
Structure_-(231)	JUNCTION	0.00	14.83	12	06:17	0	
3.01	0.214						
Structure_-(232)	JUNCTION	0.00	6.58	4	10:57	0	
1.49	0.273						
Structure_-(233)	JUNCTION	0.20	6.69	4	10:57	0.102	
1.43	0.347						
Structure_-(234)	JUNCTION	0.20	5.34	4	10:57	0.102	
1.17	0.234						
Structure_-(235)	JUNCTION	0.20	4.92	4	10:57	0.102	
0.917	0.327						
Structure_-(236)	JUNCTION	0.20	5.22	4	11:01	0.102	
0.754	0.456						
Structure_-(237)	JUNCTION	0.20	4.87	4	11:00	0.102	
0.588	0.413						
Structure_-(238)	JUNCTION	0.20	3.86	4	11:01	0.102	
0.437	0.627						
Structure_-(239)	JUNCTION	0.00	2.51	4	11:06	0	
0.29	0.818						
Structure_-(24)	JUNCTION	0.00	0.48	5	01:10	0	
1.48	0.001						
Structure_-(240)	JUNCTION	0.20	2.55	4	11:07	0.102	
0.252	0.625						
Structure_-(241)	JUNCTION	0.20	1.41	4	11:03	0.102	
0.117	0.380						
Structure_-(242)	JUNCTION	0.62	3.41	4	17:00	0.328	
1.98	0.038						
Structure_-(243)	JUNCTION	0.93	2.79	4	17:00	0.492	
1.89	-0.145						
Structure_-(244)	JUNCTION	0.93	1.86	4	17:00	0.492	
1.23	0.055						
Structure_-(245)	JUNCTION	0.93	0.93	4	17:00	0.492	
0.492	0.004						
Structure_-(246)	JUNCTION	0.20	10.45	9	23:56	0.102	
1.68	-0.147						

Structure_-(247)	JUNCTION	0.20	6.36	4	11:00	0.102
1.5		0.185				
Structure_-(248)	JUNCTION	0.20	6.44	4	10:57	0.102
1.33		0.269				
Structure_-(249)	JUNCTION	0.20	5.19	4	10:57	0.102
1.11		0.282				
Structure_-(25)	JUNCTION	0.00	0.48	4	17:59	0
1.48		0.003				
Structure_-(250)	JUNCTION	0.20	5.75	4	11:01	0.102
0.868		0.398				
Structure_-(251)	JUNCTION	0.20	5.36	4	11:00	0.102
0.67		0.456				
Structure_-(252)	JUNCTION	0.20	3.45	4	11:03	0.102
0.52		0.448				
Structure_-(253)	JUNCTION	0.20	3.08	4	11:03	0.102
0.381		0.585				
Structure_-(254)	JUNCTION	0.20	2.19	4	11:07	0.102
0.248		0.702				
Structure_-(255)	JUNCTION	0.20	1.49	4	11:03	0.102
0.115		0.313				
Structure_-(256)	JUNCTION	0.20	10.64	10	00:00	0.102
1.97		-0.034				
Structure_-(257)	JUNCTION	0.20	6.96	4	10:57	0.102
1.81		0.207				
Structure_-(258)	JUNCTION	0.20	7.39	4	10:57	0.102
1.64		0.217				
Structure_-(259)	JUNCTION	0.20	6.77	4	10:59	0.102
1.45		0.241				
Structure_-(26)	JUNCTION	0.00	0.47	5	15:07	0
1.48		0.008				
Structure_-(260)	JUNCTION	0.20	7.13	4	11:02	0.102
1.25		0.247				
Structure_-(261)	JUNCTION	0.20	5.37	4	10:59	0.102
1.1		0.283				
Structure_-(262)	JUNCTION	0.20	4.09	4	11:02	0.102
0.959		0.319				
Structure_-(263)	JUNCTION	0.20	3.27	4	11:02	0.102
0.825		0.318				
Structure_-(264)	JUNCTION	0.20	2.59	4	11:03	0.102
0.707		0.263				
Structure_-(265)	JUNCTION	0.20	1.65	4	11:03	0.102
0.597		0.226				
Structure_-(266)	JUNCTION	0.20	1.26	4	11:03	0.102
0.494		0.259				
Structure_-(267)	JUNCTION	0.00	1.17	4	11:03	0
0.395		0.124				
Structure_-(268)	JUNCTION	0.29	0.82	4	11:03	0.153
0.261		0.037				
Structure_-(269)	JUNCTION	0.20	0.30	4	11:03	0.102
0.103		-0.036				
Structure_-(27)	JUNCTION	0.00	0.47	5	22:08	0
1.48		-0.010				
Structure_-(270)	JUNCTION	0.20	1.12	4	11:03	0.102



0.116	0.101						
Structure_-(273)		JUNCTION	0.29	0.29	4	17:00	0.153
0.153	0.048						
Structure_-(274)		JUNCTION	0.20	0.49	4	17:00	0.102
0.256	-0.024						
Structure_-(275)		JUNCTION	0.20	0.68	4	16:59	0.102
0.358	0.027						
Structure_-(276)		JUNCTION	0.20	1.85	4	11:01	0.102
0.622	0.017						
Structure_-(277)		JUNCTION	0.20	6.52	4	10:57	0.102
1.52	0.013						
Structure_-(278)		JUNCTION	0.20	6.22	4	10:58	0.102
1.7	-0.007						
Structure_-(28)		JUNCTION	0.00	0.47	6	02:08	0
1.48	0.001						
Structure_-(287)		JUNCTION	0.20	0.97	4	17:00	0.102
0.51	0.240						
Structure_-(288)		JUNCTION	0.29	0.29	4	17:00	0.153
0.153	0.184						
Structure_-(29)		JUNCTION	0.00	0.47	6	03:14	0
1.48	0.003						
Structure_-(298)		JUNCTION	0.29	0.29	4	17:00	0.153
0.153	0.001						
Structure_-(3)		JUNCTION	0.49	1.47	4	17:00	0.255
0.893	0.135						
Structure_-(30)		JUNCTION	0.00	0.47	6	06:58	0
1.48	0.007						
Structure_-(305)		JUNCTION	0.20	0.49	4	17:00	0.102
0.255	0.286						
Structure_-(306)		JUNCTION	0.29	0.29	4	17:00	0.153
0.153	0.221						
Structure_-(31)		JUNCTION	0.00	0.47	6	08:56	0
1.48	0.001						
Structure_-(319)		JUNCTION	0.16	4.96	4	17:00	0.082
2.62	0.002						
Structure_-(32)		JUNCTION	0.00	0.47	6	08:54	0
1.48	0.002						
Structure_-(320)		JUNCTION	0.16	6.66	4	17:00	0.082
3.53	0.001						
Structure_-(325)		JUNCTION	0.16	1.71	4	17:00	0.082
0.902	0.014						
Structure_-(326)		JUNCTION	1.55	1.55	4	17:00	0.82
0.82	0.000						
Structure_-(33)		JUNCTION	0.00	0.47	6	08:48	0
1.48	0.007						
Structure_-(331)		JUNCTION	1.55	1.55	4	17:00	0.82
0.82	0.009						
Structure_-(332)		JUNCTION	1.55	1.55	4	17:00	0.82
0.82	0.011						
Structure_-(333)		JUNCTION	0.16	1.86	4	17:00	0.082
0.984	0.023						
Structure_-(34)		JUNCTION	0.00	0.48	6	11:31	0
1.48	0.010						

Structure_-(341)	JUNCTION	1.55	1.55	4	17:00	0.82
0.82 0.024						
Structure_-(35)	JUNCTION	0.00	0.48	6	11:12	0
1.48 0.009						
Structure_-(37)	JUNCTION	0.20	5.49	4	16:42	0.102
4.25 0.001						
Structure_-(370)	JUNCTION	0.00	3.11	4	11:14	0
0.152 0.186						
Structure_-(371)	JUNCTION	0.00	1.38	4	11:14	0
0.127 0.035						
Structure_-(372)	JUNCTION	0.20	0.20	4	17:00	0.102
0.102 -0.113						
Structure_-(373)	JUNCTION	0.00	3.04	4	11:20	0
0.152 -0.071						
Structure_-(374)	JUNCTION	0.20	1.01	4	10:59	0.102
0.103 0.000						
Structure_-(375)	JUNCTION	0.20	1.35	4	10:56	0.102
0.207 0.011						
Structure_-(376)	JUNCTION	0.20	1.87	4	10:56	0.102
0.317 -0.013						
Structure_-(377)	JUNCTION	0.20	2.41	4	10:59	0.102
0.436 -0.000						
Structure_-(378)	JUNCTION	0.20	3.43	4	10:56	0.102
0.567 0.048						
Structure_-(379)	JUNCTION	0.00	39.73	4	11:00	0
44.3 -0.123						
Structure_-(38)	JUNCTION	0.20	7.22	4	17:06	0.102
5.36 0.003						
Structure_-(380)	JUNCTION	0.00	41.20	4	10:59	0
43.8 -0.196						
Structure_-(381)	JUNCTION	0.00	948.52	4	10:56	0
43.9 -2.004						
Structure_-(389)	JUNCTION	0.00	0.00	5	03:22	0
1.4e-05 7.116						
Structure_-(39)	JUNCTION	0.49	7.62	4	17:05	0.255
5.63 0.007						
Structure_-(390)	JUNCTION	0.00	0.01	5	03:21	0
0.000107 -1.000						
Structure_-(391)	JUNCTION	0.20	0.39	4	17:00	0.102
0.204 -0.005						
Structure_-(392)	JUNCTION	0.00	0.39	4	17:00	0
0.215 0.390						
Structure_-(393)	JUNCTION	0.00	1.82	4	15:35	0
0.979 0.238						
Structure_-(394)	JUNCTION	0.00	1.95	4	16:58	0
1.09 0.141						
Structure_-(395)	JUNCTION	3.81	27.74	4	17:09	2.32
44.6 0.010						
Structure_-(396)	JUNCTION	0.20	0.20	4	17:00	0.102
0.102 -0.006						
Structure_-(397)	JUNCTION	0.20	0.77	4	15:39	0.102
0.104 0.428						
Structure_-(398)	JUNCTION	0.20	0.39	4	17:00	0.102

0.207	0.008						
Structure_-(399)	JUNCTION	0.20	0.20	4	17:00	0.102	
0.104	0.149						
Structure_-(4)	JUNCTION	0.49	1.95	4	17:00	0.255	
1.19	0.152						
Structure_-(40)	JUNCTION	0.49	12.04	4	15:30	0.255	
6.13	0.007						
Structure_-(400)	JUNCTION	0.20	0.78	4	17:00	0.102	
0.422	-0.001						
Structure_-(401)	JUNCTION	0.20	0.58	4	17:00	0.102	
0.307	-0.003						
Structure_-(404)	JUNCTION	0.20	0.39	4	17:00	0.102	
0.204	0.009						
Structure_-(405)	JUNCTION	0.20	0.20	4	17:00	0.102	
0.102	0.001						
Structure_-(407)	JUNCTION	0.20	0.29	4	15:44	0.102	
0.102	0.023						
Structure_-(408)	JUNCTION	0.00	2.03	4	17:07	0	
1.12	0.001						
Structure_-(41)	JUNCTION	0.49	15.95	4	13:45	0.255	
6.46	0.029						
Structure_-(42)	JUNCTION	0.20	23.06	4	13:53	0.102	
10	0.052						
Structure_-(426)	JUNCTION	0.20	0.39	4	17:00	0.102	
0.21	0.337						
Structure_-(427)	JUNCTION	0.20	0.20	4	17:00	0.102	
0.104	0.267						
Structure_-(43)	JUNCTION	0.49	15.41	4	17:05	0.255	
10.2	0.075						
Structure_-(431)	JUNCTION	0.00	18.94	4	18:22	0	
46.6	0.024						
Structure_-(432)	JUNCTION	0.00	13.40	4	18:25	0	
42.9	0.002						
Structure_-(433)	JUNCTION	0.00	13.37	5	03:11	0	
42.9	0.010						
Structure_-(434)	JUNCTION	0.00	13.37	5	15:51	0	
42.9	-0.001						
Structure_-(435)	JUNCTION	0.00	13.37	5	15:51	0	
42.9	0.024						
Structure_-(44)	JUNCTION	0.49	15.89	4	17:05	0.255	
10.3	0.038						
Structure_-(446)	JUNCTION	0.00	18.98	5	03:15	0	
54.3	0.001						
Structure_-(447)	JUNCTION	0.00	18.98	5	03:18	0	
54.3	0.002						
Structure_-(448)	JUNCTION	0.00	18.98	5	03:22	0	
54.3	0.006						
Structure_-(449)	JUNCTION	0.00	22.68	0	00:00	0	
54.3	0.006						
Structure_-(45)	JUNCTION	0.20	16.11	4	17:03	0.102	
10.4	0.016						
Structure_-(450)	JUNCTION	0.00	47.92	0	00:00	0	
54.3	0.002						

Structure_-(451)	JUNCTION	0.00	303.74	0	00:00	0
54.3 0.000						
Structure_-(453)	JUNCTION	0.00	4.91	4	10:57	0
0.221 4.182						
Structure_-(454)	JUNCTION	0.00	10.56	4	10:58	0
0.259 -0.654						
Structure_-(455)	JUNCTION	0.00	7.94	4	11:01	0
0.265 1.503						
Structure_-(456)	JUNCTION	0.00	7.06	4	10:59	0
0.26 -0.114						
Structure_-(457)	JUNCTION	0.00	8.58	4	10:56	0
0.28 0.872						
Structure_-(458)	JUNCTION	0.00	66.52	4	10:59	0
0.792 7.217						
Structure_-(459)	JUNCTION	0.00	19.54	4	11:14	0
54.4 0.005						
Structure_-(46)	JUNCTION	0.20	16.22	4	17:03	0.102
10.5 0.053						
Structure_-(460)	JUNCTION	0.00	18.99	5	02:48	0
54.4 0.002						
Structure_-(461)	JUNCTION	0.00	18.99	5	02:52	0
54.4 0.002						
Structure_-(462)	JUNCTION	0.00	18.99	5	02:55	0
54.4 0.006						
Structure_-(463)	JUNCTION	0.00	18.98	5	03:02	0
54.3 0.005						
Structure_-(469)	JUNCTION	0.20	85.92	4	10:58	0.102
1.48 3.068						
Structure_-(47)	JUNCTION	0.49	23.17	4	17:04	0.255
14.9 0.095						
Structure_-(470)	JUNCTION	0.20	15.77	4	10:58	0.102
0.61 0.048						
Structure_-(471)	JUNCTION	0.20	15.86	4	11:01	0.102
0.432 0.060						
Structure_-(472)	JUNCTION	0.20	15.42	4	10:58	0.102
0.269 -0.411						
Structure_-(473)	JUNCTION	0.20	11.01	4	11:01	0.102
0.121 0.896						
Structure_-(475)	JUNCTION	0.20	0.25	10	05:35	0.102
0.105 0.114						
Structure_-(476)	JUNCTION	0.20	0.40	4	17:00	0.102
0.21 0.843						
Structure_-(477)	JUNCTION	0.20	0.78	4	17:00	0.102
0.413 0.592						
Structure_-(478)	JUNCTION	0.00	39.63	4	11:00	0
44.3 0.004						
Structure_-(481)	JUNCTION	0.00	3.65	4	11:10	0
0.172 6.119						
Structure_-(482)	JUNCTION	0.00	3.66	4	11:10	0
0.159 0.673						
Structure_-(483)	JUNCTION	0.00	3.66	4	11:10	0
0.162 3.556						
Structure_-(484)	JUNCTION	0.00	3.76	4	11:10	0

0.16	-1.892						
Structure_-(485)		JUNCTION	0.00	3.87	4	11:10	0
0.157	-0.078						
Structure_-(487)		JUNCTION	0.20	0.20	4	17:00	0.102
0.103	-0.048						
Structure_-(489)		JUNCTION	0.20	32.43	4	17:11	0.102
43	0.846						
Structure_-(490)		JUNCTION	0.49	0.49	4	17:00	0.255
0.255	0.127						
Structure_-(495)		JUNCTION	0.00	1.10	4	17:08	0
0.613	0.001						
Structure_-(5)		JUNCTION	0.49	2.44	4	17:00	0.255
1.49	0.299						
Structure_-(50)		JUNCTION	0.49	23.65	4	17:03	0.255
14.8	0.068						
Structure_-(502)		JUNCTION	0.20	1.36	4	10:58	0.102
0.107	0.028						
Structure_-(503)		JUNCTION	0.20	4.04	4	05:23	0.102
2.82	0.137						
Structure_-(51)		JUNCTION	0.49	24.12	4	17:04	0.255
15.1	0.062						
Structure_-(52)		JUNCTION	0.20	26.88	4	17:02	0.102
16.8	0.101						
Structure_-(53)		JUNCTION	0.00	27.99	4	17:02	0
17.5	0.112						
Structure_-(54)		JUNCTION	0.00	27.99	4	17:02	0
17.6	0.185						
Structure_-(56)		JUNCTION	0.20	2.51	4	17:06	0.102
2.75	0.003						
Structure_-(57)		JUNCTION	0.29	2.12	4	17:06	0.153
1.18	-0.000						
Structure_-(58)		JUNCTION	0.29	1.84	4	17:06	0.153
1.02	0.004						
Structure_-(59)		JUNCTION	0.29	1.57	4	17:01	0.153
0.868	-0.001						
Structure_-(6)		JUNCTION	0.20	2.63	4	17:00	0.102
1.65	0.377						
Structure_-(60)		JUNCTION	0.29	1.30	4	17:01	0.153
0.715	0.000						
Structure_-(61)		JUNCTION	0.29	1.03	4	17:01	0.153
0.562	0.001						
Structure_-(62)		JUNCTION	0.29	0.77	4	16:59	0.153
0.41	0.003						
Structure_-(63)		JUNCTION	0.49	0.49	4	17:00	0.255
0.257	-0.003						
Structure_-(7)		JUNCTION	0.20	2.78	4	16:51	0.102
1.8	0.250						
Structure_-(70)		JUNCTION	0.29	2.85	4	16:40	0.153
1.4	-0.004						
Structure_-(71)		JUNCTION	0.29	2.54	4	16:41	0.153
1.23	-0.000						
Structure_-(72)		JUNCTION	0.29	2.02	4	17:00	0.153
1.07	0.002						

Structure_-(73)	JUNCTION	0.29	1.75	4	17:00	0.153
0.919	0.001					
Structure_-(74)	JUNCTION	0.29	1.46	4	17:00	0.153
0.766	0.001					
Structure_-(75)	JUNCTION	0.29	1.17	4	17:00	0.153
0.613	0.001					
Structure_-(76)	JUNCTION	0.29	0.88	4	17:00	0.153
0.46	0.000					
Structure_-(77)	JUNCTION	0.29	0.58	4	17:00	0.153
0.306	0.002					
Structure_-(78)	JUNCTION	0.29	0.29	4	17:00	0.153
0.153	0.001					
Structure_-(79)	JUNCTION	0.29	1.96	4	10:58	0.153
1.02	0.001					
Structure_-(8)	JUNCTION	0.20	3.16	4	16:51	0.102
2.16	0.378					
Structure_-(80)	JUNCTION	0.29	1.55	4	17:09	0.153
0.871	0.002					
Structure_-(81)	JUNCTION	0.29	1.27	4	17:10	0.153
0.717	0.001					
Structure_-(82)	JUNCTION	0.29	1.00	4	17:10	0.153
0.562	0.004					
Structure_-(83)	JUNCTION	0.29	0.74	4	17:10	0.153
0.409	0.000					
Structure_-(84)	JUNCTION	0.29	0.47	4	17:03	0.153
0.257	0.000					
Structure_-(85)	JUNCTION	0.20	0.20	4	17:00	0.102
0.104	-0.004					
Structure_-(86)	JUNCTION	0.49	9.08	4	15:31	0.255
3.62	0.004					
Structure_-(87)	JUNCTION	0.49	7.46	4	10:58	0.255
3.36	0.012					
Structure_-(88)	JUNCTION	0.49	6.63	4	10:58	0.255
3.05	-0.005					
Structure_-(89)	JUNCTION	0.49	7.71	4	15:33	0.255
2.77	0.028					
Structure_-(9)	JUNCTION	0.20	3.35	4	16:51	0.102
2.34	0.327					
Structure_-(90)	JUNCTION	0.49	6.00	4	15:39	0.255
2.49	-0.026					
Structure_-(92)	JUNCTION	0.49	5.32	4	10:57	0.255
2.17	0.005					
Structure_-(93)	JUNCTION	0.49	3.45	4	17:04	0.255
1.89	0.000					
Structure_-(94)	JUNCTION	0.49	2.98	4	17:04	0.255
1.63	0.001					
Structure_-(95)	JUNCTION	0.49	2.50	4	17:05	0.255
1.38	0.000					
Structure_-(96)	JUNCTION	0.49	2.03	4	17:07	0.255
1.12	0.002					
Structure_-(97)	JUNCTION	0.49	1.57	4	17:08	0.255
0.868	-0.001					
Structure_-(98)	JUNCTION	0.49	1.11	4	17:08	0.255

0.613	0.001						
Structure_-(99)		JUNCTION	0.00	0.66	4	16:46	0
0.358	0.004						
Structure520		JUNCTION	0.20	2.05	4	11:03	0.102
0.171	4.671						
Structure521		JUNCTION	0.31	1.86	4	17:00	0.164
0.985	0.587						
Structure522		JUNCTION	0.31	3.23	4	17:07	0.164
1.16	0.477						
Structure587		JUNCTION	0.20	32.94	4	10:57	0.102
43.4	0.158						
Structure593		JUNCTION	0.20	39.77	4	11:00	0.102
44	0.171						
Structure602		JUNCTION	0.00	8.17	4	10:58	0
4.51	0.278						
SU1-2_Central		JUNCTION	0.00	7.81	4	17:00	0
4.11	-0.028						
SU1-2_J1		JUNCTION	0.00	5.57	4	15:51	0
3.78	-0.419						
SU1-2_J1-2		JUNCTION	0.00	5.57	4	15:51	0
3.79	-0.012						
SU1-2_J2		JUNCTION	0.00	5.57	4	15:51	0
3.79	0.289						
SU1-2_Overflow		JUNCTION	0.00	6.15	4	16:13	0
11.6	0.164						
SU1-2_PSOut		JUNCTION	0.00	5.57	4	15:51	0
3.77	-0.023						
SU1-2_South		JUNCTION	1.55	1.55	4	17:00	0.771
0.771	0.072						
SU1-2_West		JUNCTION	6.18	6.18	4	17:00	3.09
3.09	0.070						
SU6-1E		JUNCTION	2.91	2.91	4	17:00	1.45
1.45	0.195						
SU67-J1		JUNCTION	0.00	5.57	4	15:43	0
5.79	-0.050						
SU67-J2		JUNCTION	0.00	5.57	4	17:24	0
5.79	0.059						
SU67-J3		JUNCTION	0.00	5.57	4	15:57	0
5.79	0.015						
SU67-J4		JUNCTION	0.00	5.57	4	15:56	0
5.79	-0.002						
SU67-J5		JUNCTION	0.00	5.57	4	15:44	0
5.79	0.036						
SU67-J6		JUNCTION	0.00	5.57	4	15:44	0
5.79	0.028						
SU67-J7		JUNCTION	0.00	5.58	4	15:44	0
5.79	0.219						
UDitch_Out		JUNCTION	0.00	27.03	4	17:09	0
25	1.252						
5_Dummy_Outlet		OUTFALL	0.00	0.00	0	00:00	0
0	0.000 gal						
C_Dummy_Outlet		OUTFALL	0.00	0.00	0	00:00	0
0	0.000 gal						

D_Dummy_Outlet	OUTFALL	0.00	0.00	0	00:00	0
0	0.000 gal					
E_Dummy_Outlet	OUTFALL	0.00	0.00	0	00:00	0
0	0.000 gal					
F_Dummy_Outlet	OUTFALL	0.00	0.00	0	00:00	0
0	0.000 gal					
G_Dummy_Outlet	OUTFALL	0.00	0.00	0	00:00	0
0	0.000 gal					
H_Dummy_Outlet	OUTFALL	0.00	0.00	0	00:00	0
0	0.000 gal					
Outfall_002A	OUTFALL	0.00	18.94	4	18:22	0
46.6	0.000					
Outfall003	OUTFALL	0.00	30.14	4	17:11	0
16.4	0.000					
77_Thickeners	STORAGE	0.00	5.58	4	15:44	0
5.78	0.163					
Facility77_Inlet	STORAGE	0.00	1773.79	4	10:59	0
67	0.842					
PS_SU6-7	STORAGE	0.00	5.66	4	15:56	0
5.97	0.002					
PSC_Sump	STORAGE	0.00	19.04	5	20:18	0
53.9	0.000					
RetenionPond	STORAGE	0.00	82.49	0	00:00	0
56.2	0.000					
SU1-2_PS	STORAGE	0.00	7.75	4	17:04	0
4.11	0.036					

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#### Node Surcharge Summary

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Surcharging occurs when water rises above the top of the highest conduit.

Node	Type	Hours Surcharged	Max. Height Above Crown Feet	Min. Depth Below Rim Feet
Culvert_Ditch11	JUNCTION	72.37	4.181	2.819
Culvert_Ditch12a	JUNCTION	77.26	4.260	0.000
Culvert_Ditch12b	JUNCTION	76.56	4.250	0.000
Culvert_Ditch12c	JUNCTION	63.42	3.860	0.000
Ditch11_12	JUNCTION	97.47	4.540	0.000
Ditch12_18	JUNCTION	47.16	4.281	0.000
Facility77_PS	JUNCTION	334.77	47.070	0.000
PS004	JUNCTION	53.12	5.421	0.000
PSC_Outlet	JUNCTION	124.29	48.250	0.000
SDCB294	JUNCTION	14.02	0.895	4.105
Structure_-_ (1)	JUNCTION	51.36	3.415	0.085
Structure_-_ (10)	JUNCTION	181.08	3.570	2.870
Structure_-_ (123)	JUNCTION	6.42	0.245	4.385
Structure_-_ (124)	JUNCTION	43.60	6.910	0.000
Structure_-_ (139)	JUNCTION	298.75	6.158	0.242



Structure_-(140)	JUNCTION	297.47	6.050	0.000
Structure_-(141)	JUNCTION	296.44	5.945	0.000
Structure_-(142)	JUNCTION	282.59	4.803	0.000
Structure_-(143)	JUNCTION	206.62	3.878	1.182
Structure_-(144)	JUNCTION	179.08	3.508	0.902
Structure_-(161)	JUNCTION	197.83	3.696	0.000
Structure_-(162)	JUNCTION	225.56	4.326	0.000
Structure_-(163)	JUNCTION	282.75	4.805	0.000
Structure_-(164)	JUNCTION	289.23	5.295	0.000
Structure_-(165)	JUNCTION	292.97	5.624	0.000
Structure_-(166)	JUNCTION	296.90	5.974	0.000
Structure_-(167)	JUNCTION	301.49	6.384	0.000
Structure_-(168)	JUNCTION	308.75	7.073	0.000
Structure_-(169)	JUNCTION	311.51	7.442	0.000
Structure_-(170)	JUNCTION	306.32	6.865	0.625
Structure_-(171)	JUNCTION	314.14	7.901	0.869
Structure_-(172)	JUNCTION	321.45	10.234	0.000
Structure_-(173)	JUNCTION	299.13	6.162	0.000
Structure_-(174)	JUNCTION	314.23	7.884	0.000
Structure_-(175)	JUNCTION	316.84	8.398	4.882
Structure_-(176)	JUNCTION	310.37	7.326	4.004
Structure_-(177)	JUNCTION	300.46	6.324	3.016
Structure_-(178)	JUNCTION	289.10	5.291	0.000
Structure_-(179)	JUNCTION	242.79	4.642	0.000
Structure_-(180)	JUNCTION	228.27	7.296	0.000
Structure_-(181)	JUNCTION	213.22	7.911	0.000
Structure_-(19)	JUNCTION	229.86	4.503	2.777
Structure_-(2)	JUNCTION	54.99	3.462	0.468
Structure_-(20)	JUNCTION	212.49	4.018	0.000
Structure_-(205)	JUNCTION	312.29	7.564	0.000
Structure_-(206)	JUNCTION	312.80	7.644	0.000
Structure_-(207)	JUNCTION	306.87	6.875	0.000
Structure_-(208)	JUNCTION	301.47	6.386	0.000
Structure_-(209)	JUNCTION	296.91	5.976	0.000
Structure_-(21)	JUNCTION	188.49	3.628	0.000
Structure_-(210)	JUNCTION	293.56	5.677	0.000
Structure_-(211)	JUNCTION	289.25	5.297	0.000
Structure_-(212)	JUNCTION	282.68	4.807	0.000
Structure_-(213)	JUNCTION	225.51	4.328	0.000
Structure_-(214)	JUNCTION	198.05	3.698	0.000
Structure_-(215)	JUNCTION	314.63	7.952	0.000
Structure_-(216)	JUNCTION	315.51	8.113	0.000
Structure_-(217)	JUNCTION	308.64	7.063	0.000
Structure_-(218)	JUNCTION	304.72	6.674	0.000
Structure_-(219)	JUNCTION	294.96	5.804	0.000
Structure_-(220)	JUNCTION	290.65	5.415	0.000
Structure_-(221)	JUNCTION	284.28	4.905	0.000
Structure_-(222)	JUNCTION	225.27	4.315	0.000
Structure_-(223)	JUNCTION	217.81	4.115	0.000
Structure_-(23)	JUNCTION	233.62	19.694	0.000
Structure_-(230)	JUNCTION	311.79	7.482	0.000
Structure_-(231)	JUNCTION	313.03	7.675	0.000
Structure_-(232)	JUNCTION	310.97	7.366	0.000

Structure_-(233)	JUNCTION	309.86	7.216	0.000
Structure_-(234)	JUNCTION	306.91	6.874	0.000
Structure_-(235)	JUNCTION	301.50	6.384	0.000
Structure_-(236)	JUNCTION	296.91	5.975	0.000
Structure_-(237)	JUNCTION	292.99	5.625	0.000
Structure_-(238)	JUNCTION	289.18	5.295	0.000
Structure_-(239)	JUNCTION	282.74	4.806	0.000
Structure_-(24)	JUNCTION	91.24	10.620	0.000
Structure_-(240)	JUNCTION	221.86	4.236	0.000
Structure_-(241)	JUNCTION	198.05	3.696	0.000
Structure_-(243)	JUNCTION	2.51	1.471	3.749
Structure_-(246)	JUNCTION	308.42	7.035	0.000
Structure_-(247)	JUNCTION	312.83	7.643	0.000
Structure_-(248)	JUNCTION	306.91	6.874	0.000
Structure_-(249)	JUNCTION	301.49	6.384	0.000
Structure_-(25)	JUNCTION	91.18	10.433	0.000
Structure_-(250)	JUNCTION	296.94	5.975	0.000
Structure_-(251)	JUNCTION	292.99	5.625	0.000
Structure_-(252)	JUNCTION	289.26	5.296	0.000
Structure_-(253)	JUNCTION	283.14	4.836	0.000
Structure_-(254)	JUNCTION	225.55	4.327	0.000
Structure_-(255)	JUNCTION	198.17	3.697	0.000
Structure_-(256)	JUNCTION	309.31	7.142	0.000
Structure_-(257)	JUNCTION	315.55	8.113	0.000
Structure_-(258)	JUNCTION	308.65	7.065	0.000
Structure_-(259)	JUNCTION	304.71	6.676	0.000
Structure_-(26)	JUNCTION	90.92	9.803	0.000
Structure_-(260)	JUNCTION	294.98	5.808	0.000
Structure_-(261)	JUNCTION	290.65	5.419	0.000
Structure_-(262)	JUNCTION	284.27	4.911	0.000
Structure_-(263)	JUNCTION	225.29	4.322	0.000
Structure_-(264)	JUNCTION	217.83	4.123	0.000
Structure_-(265)	JUNCTION	191.16	3.606	0.000
Structure_-(266)	JUNCTION	175.64	4.188	0.802
Structure_-(267)	JUNCTION	174.25	3.994	0.000
Structure_-(268)	JUNCTION	110.28	4.003	0.000
Structure_-(269)	JUNCTION	154.14	4.492	0.000
Structure_-(27)	JUNCTION	90.44	8.199	0.000
Structure_-(270)	JUNCTION	93.45	4.008	0.000
Structure_-(277)	JUNCTION	20.26	0.661	2.939
Structure_-(278)	JUNCTION	36.77	1.368	2.832
Structure_-(28)	JUNCTION	90.28	7.995	0.000
Structure_-(29)	JUNCTION	90.09	7.866	0.000
Structure_-(3)	JUNCTION	92.10	3.490	0.080
Structure_-(30)	JUNCTION	89.60	7.357	0.000
Structure_-(31)	JUNCTION	87.85	5.977	0.000
Structure_-(32)	JUNCTION	86.07	5.278	0.000
Structure_-(325)	JUNCTION	0.26	0.035	2.815
Structure_-(33)	JUNCTION	83.73	4.933	0.000
Structure_-(331)	JUNCTION	1.67	2.134	1.546
Structure_-(332)	JUNCTION	0.58	1.827	1.703
Structure_-(34)	JUNCTION	77.92	3.600	0.000
Structure_-(35)	JUNCTION	70.75	1.878	0.000

Structure_-(370)	JUNCTION	39.11	1.535	1.965
Structure_-(371)	JUNCTION	36.63	1.373	2.127
Structure_-(373)	JUNCTION	41.40	1.611	1.889
Structure_-(374)	JUNCTION	42.62	5.019	0.714
Structure_-(375)	JUNCTION	46.06	4.918	0.815
Structure_-(376)	JUNCTION	49.15	5.733	0.000
Structure_-(377)	JUNCTION	48.67	5.825	0.000
Structure_-(378)	JUNCTION	56.15	5.404	0.000
Structure_-(379)	JUNCTION	282.06	6.012	1.138
Structure_-(380)	JUNCTION	262.77	5.238	0.000
Structure_-(381)	JUNCTION	42.64	1.778	1.622
Structure_-(392)	JUNCTION	119.03	3.085	3.805
Structure_-(393)	JUNCTION	52.38	2.334	3.538
Structure_-(394)	JUNCTION	252.79	4.664	3.702
Structure_-(395)	JUNCTION	297.72	5.952	1.668
Structure_-(397)	JUNCTION	30.06	1.024	2.476
Structure_-(398)	JUNCTION	210.95	3.974	0.359
Structure_-(399)	JUNCTION	149.22	3.287	1.047
Structure_-(4)	JUNCTION	59.41	2.938	1.232
Structure_-(400)	JUNCTION	51.59	2.261	1.572
Structure_-(401)	JUNCTION	24.50	0.777	3.356
Structure_-(407)	JUNCTION	46.45	1.860	2.474
Structure_-(408)	JUNCTION	8.90	0.377	3.123
Structure_-(41)	JUNCTION	43.14	3.689	1.271
Structure_-(42)	JUNCTION	43.38	3.791	1.039
Structure_-(426)	JUNCTION	200.20	3.727	0.073
Structure_-(427)	JUNCTION	174.71	3.436	0.000
Structure_-(43)	JUNCTION	50.83	3.225	0.000
Structure_-(44)	JUNCTION	56.64	2.566	3.226
Structure_-(446)	JUNCTION	334.72	17.333	0.000
Structure_-(447)	JUNCTION	334.79	16.200	0.000
Structure_-(448)	JUNCTION	334.95	14.989	0.000
Structure_-(449)	JUNCTION	334.99	10.001	0.000
Structure_-(45)	JUNCTION	60.00	2.598	0.000
Structure_-(450)	JUNCTION	335.00	7.559	0.000
Structure_-(451)	JUNCTION	335.00	7.745	0.000
Structure_-(453)	JUNCTION	270.69	5.774	0.000
Structure_-(454)	JUNCTION	270.69	5.778	0.000
Structure_-(455)	JUNCTION	270.69	5.792	0.000
Structure_-(456)	JUNCTION	270.71	5.831	0.000
Structure_-(457)	JUNCTION	270.74	5.933	0.000
Structure_-(458)	JUNCTION	270.85	6.167	0.000
Structure_-(459)	JUNCTION	334.86	27.494	0.000
Structure_-(46)	JUNCTION	70.08	2.667	0.000
Structure_-(460)	JUNCTION	334.86	27.042	0.000
Structure_-(461)	JUNCTION	334.89	26.260	0.000
Structure_-(462)	JUNCTION	334.90	25.697	0.000
Structure_-(463)	JUNCTION	334.94	23.650	0.000
Structure_-(469)	JUNCTION	294.15	5.735	0.000
Structure_-(47)	JUNCTION	156.26	3.313	1.804
Structure_-(470)	JUNCTION	48.12	3.020	0.000
Structure_-(471)	JUNCTION	45.94	3.063	0.000
Structure_-(472)	JUNCTION	44.13	3.308	0.000

Structure_-(473)	JUNCTION	43.13	3.293	0.000
Structure_-(475)	JUNCTION	314.88	6.968	3.362
Structure_-(476)	JUNCTION	315.57	7.081	3.409
Structure_-(477)	JUNCTION	316.87	7.385	3.105
Structure_-(478)	JUNCTION	299.15	5.962	1.888
Structure_-(481)	JUNCTION	270.67	5.727	0.000
Structure_-(482)	JUNCTION	270.68	5.677	0.000
Structure_-(483)	JUNCTION	270.68	5.627	0.000
Structure_-(484)	JUNCTION	270.67	5.508	0.000
Structure_-(485)	JUNCTION	270.66	5.478	0.000
Structure_-(487)	JUNCTION	320.61	8.013	3.107
Structure_-(5)	JUNCTION	101.25	2.994	2.656
Structure_-(50)	JUNCTION	199.12	3.763	1.103
Structure_-(502)	JUNCTION	48.31	3.701	0.632
Structure_-(503)	JUNCTION	184.18	3.585	2.795
Structure_-(51)	JUNCTION	212.26	4.012	0.935
Structure_-(52)	JUNCTION	219.96	4.199	0.000
Structure_-(53)	JUNCTION	211.41	3.979	0.888
Structure_-(54)	JUNCTION	212.46	4.003	0.863
Structure_-(57)	JUNCTION	16.46	0.538	2.962
Structure_-(58)	JUNCTION	12.28	0.441	3.059
Structure_-(59)	JUNCTION	3.16	0.100	3.400
Structure_-(6)	JUNCTION	184.81	3.591	0.000
Structure_-(7)	JUNCTION	168.83	3.436	0.000
Structure_-(70)	JUNCTION	25.70	0.918	2.582
Structure_-(79)	JUNCTION	30.33	1.092	2.408
Structure_-(8)	JUNCTION	194.16	3.708	1.822
Structure_-(80)	JUNCTION	23.10	0.816	2.684
Structure_-(81)	JUNCTION	17.39	0.574	2.926
Structure_-(82)	JUNCTION	7.53	0.310	3.190
Structure_-(83)	JUNCTION	2.59	0.070	3.804
Structure_-(86)	JUNCTION	28.06	1.041	0.959
Structure_-(87)	JUNCTION	44.69	1.944	1.056
Structure_-(88)	JUNCTION	43.05	3.000	0.000
Structure_-(89)	JUNCTION	41.68	3.000	0.000
Structure_-(9)	JUNCTION	210.45	3.994	2.436
Structure_-(90)	JUNCTION	43.20	3.257	0.000
Structure_-(92)	JUNCTION	20.54	0.706	2.544
Structure_-(93)	JUNCTION	7.50	0.323	2.927
Structure_-(94)	JUNCTION	4.15	0.151	3.099
Structure_-(95)	JUNCTION	3.92	0.136	3.114
Structure_-(96)	JUNCTION	5.60	0.238	3.262
Structure520	JUNCTION	196.53	3.708	0.000
Structure587	JUNCTION	297.69	5.887	0.000
Structure593	JUNCTION	298.25	5.904	0.000
Structure602	JUNCTION	187.00	3.602	0.000
SU1-2_J1	JUNCTION	12.24	39.370	0.000
SU1-2_J1-2	JUNCTION	13.00	32.318	0.000
SU1-2_PSOut	JUNCTION	36.74	111.736	0.000
SU67-J1	JUNCTION	15.85	27.767	0.000
SU67-J2	JUNCTION	14.70	27.934	0.000
SU67-J3	JUNCTION	20.01	17.756	0.000
SU67-J4	JUNCTION	20.06	17.223	0.000

SU67-J5	JUNCTION	125.01	18.648	0.000
SU67-J6	JUNCTION	141.33	17.787	0.000
SU67-J7	JUNCTION	161.12	17.050	0.000

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Node Flooding Summary

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Flooding refers to all water that overflows a node, whether it ponds or not.

Node	Hours Flooded	Maximum Rate CFS	Time of Max Occurrence days hr:min		Total Flood Volume 10 <sup>6</sup> gal	Maximum Ponded Depth Feet
Culvert_Ditch12a	52.19	5.35	11	13:24	0.109	2.760
Culvert_Ditch12b	51.81	3.56	6	11:25	0.426	2.750
Culvert_Ditch12c	18.47	1.43	4	17:16	0.078	2.360
Ditch11_12	49.20	3.46	11	13:23	0.297	2.700
DIitch12_18	40.24	0.38	5	00:03	0.034	2.481
Facility77_PS	334.77	22.28	9	00:42	0.640	47.070
PS004	46.96	0.38	5	00:00	0.055	3.981
PSC_Outlet	124.28	7.36	4	01:52	1.424	48.250
Structure_-(140)	0.01	0.00	5	03:10	0.000	0.000
Structure_-(141)	35.59	0.30	4	10:59	0.009	1.245
Structure_-(142)	23.80	0.12	5	12:25	0.006	0.803
Structure_-(161)	3.30	1.54	4	11:06	0.002	0.096
Structure_-(162)	28.59	2.19	9	00:49	0.018	0.976
Structure_-(163)	42.97	3.06	4	11:03	0.035	1.605
Structure_-(164)	49.42	5.23	4	11:03	0.052	2.195
Structure_-(165)	58.26	4.62	4	10:58	0.057	2.524
Structure_-(166)	104.16	4.23	4	11:00	0.095	2.874
Structure_-(167)	176.60	6.27	4	10:59	0.151	3.434
Structure_-(168)	216.75	6.11	4	10:59	0.180	4.073
Structure_-(169)	255.54	8.10	4	10:56	0.228	4.642
Structure_-(172)	318.56	164.41	11	13:30	1.570	9.234
Structure_-(173)	17.54	0.19	5	11:43	0.008	0.562
Structure_-(174)	17.58	0.14	5	13:54	0.006	0.564
Structure_-(178)	45.50	2.46	4	11:07	0.013	1.891
Structure_-(179)	28.82	2.36	4	11:06	0.005	0.992
Structure_-(180)	0.02	1.92	4	11:10	0.000	0.006
Structure_-(181)	0.02	1.26	4	11:08	0.000	0.011
Structure_-(20)	16.99	0.32	11	11:19	0.003	0.518
Structure_-(205)	47.64	2.49	4	10:57	0.026	2.074
Structure_-(206)	258.77	3.95	4	10:56	0.183	4.644
Structure_-(207)	216.83	3.20	12	04:00	0.156	4.075
Structure_-(208)	177.09	4.11	4	10:59	0.122	3.436
Structure_-(209)	104.22	3.62	4	11:01	0.066	2.876
Structure_-(21)	3.77	0.03	5	04:07	0.000	0.128
Structure_-(210)	64.11	4.55	4	11:00	0.037	2.577
Structure_-(211)	49.29	3.36	4	11:03	0.034	2.197
Structure_-(212)	42.58	3.73	4	11:03	0.025	1.607

Structure_-(213)	28.42	2.43	4	11:04	0.015	0.978
Structure_-(214)	3.08	1.71	4	11:04	0.001	0.098
Structure_-(215)	34.36	0.31	5	20:16	0.016	1.175
Structure_-(216)	287.23	5.24	4	10:56	0.218	5.113
Structure_-(217)	225.57	5.29	4	10:59	0.174	4.313
Structure_-(218)	206.78	4.67	4	10:57	0.168	3.824
Structure_-(219)	96.36	4.76	4	10:57	0.104	2.804
Structure_-(220)	51.82	6.52	4	11:03	0.045	2.315
Structure_-(221)	44.19	3.99	4	11:03	0.037	1.805
Structure_-(222)	36.02	2.59	4	11:06	0.017	1.265
Structure_-(223)	22.67	2.40	4	11:06	0.012	0.765
Structure_-(23)	233.60	1.34	2	20:00	0.033	19.694
Structure_-(230)	7.70	0.15	5	06:42	0.003	0.262
Structure_-(231)	24.56	0.19	5	20:53	0.008	0.845
Structure_-(232)	24.36	0.19	5	19:26	0.010	0.833
Structure_-(233)	103.05	3.35	4	10:57	0.171	2.866
Structure_-(234)	107.06	3.40	4	10:57	0.152	2.894
Structure_-(235)	59.00	3.19	4	10:57	0.041	2.524
Structure_-(236)	74.95	3.48	4	11:01	0.060	2.625
Structure_-(237)	59.38	4.87	4	11:00	0.036	2.525
Structure_-(238)	49.32	3.82	4	11:01	0.034	2.195
Structure_-(239)	42.54	2.36	4	11:06	0.022	1.606
Structure_-(24)	62.49	0.02	4	18:44	0.005	6.120
Structure_-(240)	25.70	2.38	4	11:07	0.011	0.886
Structure_-(241)	3.08	1.39	4	11:03	0.001	0.096
Structure_-(246)	25.61	0.25	5	21:34	0.007	0.885
Structure_-(247)	258.43	3.66	4	10:56	0.223	4.643
Structure_-(248)	216.75	3.55	4	10:59	0.161	4.074
Structure_-(249)	176.55	3.75	4	11:00	0.154	3.434
Structure_-(25)	91.18	0.07	2	20:12	0.013	10.433
Structure_-(250)	104.18	2.95	4	10:57	0.096	2.875
Structure_-(251)	58.65	5.32	4	11:00	0.033	2.525
Structure_-(252)	49.28	3.35	4	11:03	0.034	2.196
Structure_-(253)	42.79	3.08	4	11:03	0.024	1.636
Structure_-(254)	28.36	2.16	4	11:07	0.012	0.977
Structure_-(255)	2.99	1.40	4	11:05	0.001	0.097
Structure_-(256)	19.89	0.27	5	17:22	0.012	0.662
Structure_-(257)	287.23	5.13	4	10:56	0.212	5.113
Structure_-(258)	225.59	5.07	4	10:59	0.158	4.315
Structure_-(259)	206.78	4.65	4	10:57	0.152	3.826
Structure_-(26)	90.91	0.07	2	20:24	0.015	9.803
Structure_-(260)	96.77	5.42	4	11:00	0.066	2.808
Structure_-(261)	51.19	5.12	4	11:01	0.026	2.319
Structure_-(262)	44.12	4.01	4	11:02	0.028	1.811
Structure_-(263)	36.10	2.38	4	11:03	0.013	1.272
Structure_-(264)	23.01	2.02	4	11:03	0.008	0.773
Structure_-(265)	3.25	1.43	4	11:03	0.000	0.106
Structure_-(267)	0.01	0.39	4	11:05	0.000	0.004
Structure_-(268)	0.01	0.47	4	11:03	0.000	0.003
Structure_-(269)	0.01	0.15	4	11:03	0.000	0.002
Structure_-(27)	90.31	0.03	2	21:09	0.011	8.199
Structure_-(270)	0.01	1.06	4	11:03	0.000	0.008
Structure_-(28)	90.28	0.02	2	21:24	0.008	7.995

Structure_-(29)	90.09	0.02	2	21:24	0.008	7.866
Structure_-(30)	89.59	0.02	4	17:41	0.010	7.357
Structure_-(31)	87.83	0.02	4	17:23	0.008	5.977
Structure_-(32)	86.06	0.02	4	17:14	0.006	5.278
Structure_-(33)	83.72	0.02	4	17:10	0.006	4.933
Structure_-(34)	77.91	0.04	4	17:02	0.006	3.600
Structure_-(35)	70.46	0.06	4	16:02	0.004	1.878
Structure_-(377)	0.01	1.88	4	10:56	0.000	0.005
Structure_-(378)	0.01	2.26	4	10:56	0.000	0.004
Structure_-(380)	0.01	13.91	11	13:30	0.000	0.038
Structure_-(427)	2.17	0.01	5	03:17	0.000	0.036
Structure_-(43)	0.01	3.60	4	15:11	0.000	0.000
Structure_-(446)	334.72	0.83	10	13:20	0.133	17.333
Structure_-(447)	334.79	1.26	0	00:02	0.134	16.200
Structure_-(448)	334.95	4.96	0	00:02	0.200	14.989
Structure_-(449)	334.99	22.68	0	00:00	0.095	10.001
Structure_-(45)	31.98	0.36	4	15:38	0.016	1.098
Structure_-(450)	335.00	44.56	0	00:00	0.025	7.559
Structure_-(451)	335.00	289.37	0	00:00	0.018	7.745
Structure_-(453)	50.56	4.83	4	10:57	0.045	2.274
Structure_-(454)	50.72	3.84	4	10:58	0.009	2.278
Structure_-(455)	50.98	3.13	4	11:01	0.014	2.292
Structure_-(456)	56.21	6.05	4	10:56	0.050	2.498
Structure_-(457)	67.68	6.70	4	10:58	0.063	2.599
Structure_-(458)	97.76	57.48	4	10:59	0.495	2.834
Structure_-(459)	334.86	3.03	13	21:11	0.333	27.494
Structure_-(46)	33.41	0.43	4	15:36	0.021	1.167
Structure_-(460)	334.86	1.83	13	21:11	0.210	27.042
Structure_-(461)	334.89	1.88	9	00:43	0.209	26.260
Structure_-(462)	334.90	2.84	13	21:11	0.316	25.697
Structure_-(463)	334.94	8.66	0	00:03	0.250	23.650
Structure_-(469)	85.83	59.66	4	10:59	0.343	2.735
Structure_-(470)	0.01	3.15	4	11:01	0.000	0.020
Structure_-(471)	0.01	2.11	4	11:01	0.000	0.063
Structure_-(472)	0.02	13.22	4	10:58	0.001	0.308
Structure_-(473)	0.02	7.71	4	10:56	0.001	0.293
Structure_-(481)	49.87	3.34	4	11:12	0.022	2.227
Structure_-(482)	48.95	0.93	2	16:19	0.006	2.177
Structure_-(483)	48.28	0.36	4	11:12	0.008	2.127
Structure_-(484)	46.66	0.53	4	11:12	0.007	2.008
Structure_-(485)	46.25	0.17	4	16:52	0.007	1.978
Structure_-(52)	13.67	0.44	5	00:46	0.012	0.432
Structure_-(6)	18.49	0.15	5	00:55	0.005	0.571
Structure_-(7)	4.52	0.21	5	00:56	0.001	0.156
Structure_-(90)	0.01	4.65	4	10:57	0.000	0.007
Structure520	48.75	2.03	4	11:03	0.048	1.858
Structure587	210.50	19.75	4	10:57	0.625	3.887
Structure593	211.15	17.87	4	10:56	0.617	3.904
Structure602	41.02	1.86	4	15:44	0.032	1.602

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Storage Volume Summary

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Time of Max Occurrence	Maximum Outflow Storage Unit	Average Volume	Avg Pc	Evap Loss	Exfil Loss	Maximum Volume	Max Pc
days hr:min	CFS	1000 ft3	Full	Loss	Loss	1000 ft3	Full
77_Thickeners		403.206	5	0	0	770.246	9
13 03:01	0.05						
Facility77_Inlet		7.549	74	0	0	9.588	94
5 03:10	1061.72						
PS_SU6-7		0.554	34	0	0	1.119	68
4 18:28	10.24						
PSC_Sump		2.494	37	0	0	5.358	80
5 11:26	19.04						
RetenionPond		286.096	70	0	0	356.443	87
5 11:30	303.74						
SU1-2_PS		0.773	50	0	0	1.176	75
4 17:04	7.75						

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 Outfall Loading Summary  
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Outfall Node	Flow Freq Pc	Avg Flow CFS	Max Flow CFS	Total Volume 10^6 gal
5_Dummy_Outlet	0.00	0.00	0.00	0.000
C_Dummy_Outlet	0.00	0.00	0.00	0.000
D_Dummy_Outlet	0.00	0.00	0.00	0.000
E_Dummy_Outlet	0.00	0.00	0.00	0.000
F_Dummy_Outlet	0.00	0.00	0.00	0.000
G_Dummy_Outlet	0.00	0.00	0.00	0.000
H_Dummy_Outlet	0.00	0.00	0.00	0.000
Outfall_002A	72.97	8.15	18.94	46.636
Outfall003	99.99	2.03	30.14	16.362
System	19.22	10.18	49.07	62.997

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 Link Flow Summary  
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Max/ Full Link Depth	Type	Maximum  Flow  CFS	Time of Max Occurrence days hr:min	Maximum  Veloc  ft/sec	Max/ Full Flow
172_to_Inlet 1.00	CONDUIT	244.98	12 03:56	20.52	0.07
278_to_PS_B 1.00	CONDUIT	6.16	4 10:58	1.66	0.07
381_to_PS77 1.00	CONDUIT	1767.66	4 10:59	37.53	7.38
458_to_Inlet 1.00	CONDUIT	66.52	4 10:59	30.49	0.28
469_to_Inlet 1.00	CONDUIT	85.82	4 10:58	27.32	0.16
C1_1 0.20	CONDUIT	6.29	4 16:48	1.62	0.05
C1_2 1.00	CONDUIT	7.75	4 17:04	2.47	0.45
Culvert11 1.00	CONDUIT	5.84	4 17:15	2.81	0.28
Culvert12 1.00	CONDUIT	5.73	6 11:30	0.71	0.00
Culvert12a 1.00	CONDUIT	5.89	6 11:30	0.78	0.02
Ditch_77 1.00	CONDUIT	32.84	4 10:57	0.90	1.48
Ditch11 1.00	CONDUIT	5.88	4 17:15	0.12	0.01
Ditch12 1.00	CONDUIT	7.91	8 17:16	0.12	0.03
Ditch13 0.83	CONDUIT	2.93	4 17:07	0.07	0.26
Ditch14 0.61	CONDUIT	3.36	4 17:01	0.18	0.03
Ditch15 0.52	CONDUIT	4.20	4 17:07	1.47	0.21
Ditch16 0.29	CONDUIT	5.09	4 17:08	1.48	0.04
Ditch17 0.28	CONDUIT	6.00	4 17:11	0.71	0.02
Ditch18 1.00	CONDUIT	1.21	2 20:00	1.13	0.00
Ditch2 0.54	CONDUIT	5.40	4 17:07	0.13	0.00
Ditch3 0.64	CONDUIT	8.23	4 17:08	0.27	0.01

Ditch4_1	CONDUIT	5.23	4	16:13	0.42	0.00
0.54						
Ditch4_2	CONDUIT	7.60	13	21:19	0.45	0.01
0.64						
Ditch4_489	CONDUIT	30.59	4	17:09	0.19	0.35
0.76						
Ditch5	CONDUIT	18.49	4	17:08	1.17	0.04
0.23						
Ditch6	CONDUIT	24.18	4	17:10	1.75	0.44
0.19						
Ditch7	CONDUIT	24.29	4	17:12	2.43	0.03
0.15						
Ditch8	CONDUIT	30.14	4	17:11	4.03	0.03
0.25						
Ditch9	CONDUIT	2.90	4	17:01	1.75	0.01
0.53						
Facility73_to_Pond	CONDUIT	303.74	0	00:00	>50.00	87.74
1.00						
Pipe_-(1)	CONDUIT	0.49	4	16:59	0.98	0.10
1.00						
Pipe_-(10)	CONDUIT	3.65	4	05:23	0.96	0.68
1.00						
Pipe_-(10)_-(1)	CONDUIT	3.99	4	05:23	1.00	0.30
1.00						
Pipe_-(117)	CONDUIT	9.41	4	10:57	3.99	0.42
1.00						
Pipe_-(118)	CONDUIT	8.12	4	11:01	4.16	0.81
1.00						
Pipe_-(119)	CONDUIT	3.20	4	11:01	2.46	0.20
0.91						
Pipe_-(120)	CONDUIT	0.66	4	16:49	2.10	0.20
0.96						
Pipe_-(122)	CONDUIT	0.49	4	17:00	1.90	0.10
0.52						
Pipe_-(123)	CONDUIT	0.29	4	17:00	2.13	0.09
0.23						
Pipe_-(124)	CONDUIT	0.68	4	17:00	2.71	0.28
0.82						
Pipe_-(125)	CONDUIT	0.49	4	17:00	2.54	0.11
0.39						
Pipe_-(126)	CONDUIT	0.29	4	17:00	2.73	0.06
0.19						
Pipe_-(127)	CONDUIT	0.78	4	17:00	2.64	0.16
0.76						
Pipe_-(128)	CONDUIT	0.29	4	17:00	1.72	0.09
0.38						
Pipe_-(130)	CONDUIT	0.29	4	17:00	1.95	0.05
0.36						
Pipe_-(133)	CONDUIT	3.11	4	04:53	4.42	0.62
1.00						
Pipe_-(134)	CONDUIT	0.96	4	16:56	1.51	0.55
1.00						
Pipe_-(135)	CONDUIT	0.77	4	16:56	0.98	0.44

1.00	Pipe_-(136)	CONDUIT	0.59	4	16:55	1.24	0.08
1.00	Pipe_-(137)	CONDUIT	0.40	4	16:55	2.87	0.06
1.00	Pipe_-(138)	CONDUIT	0.56	4	05:45	2.02	0.08
1.00	Pipe_-(153)	CONDUIT	1.52	4	11:05	1.93	0.44
1.00	Pipe_-(154)	CONDUIT	1.92	9	00:49	1.57	0.30
1.00	Pipe_-(155)	CONDUIT	4.11	4	11:02	2.32	0.51
1.00	Pipe_-(156)	CONDUIT	5.54	4	11:02	2.30	0.56
1.00	Pipe_-(157)	CONDUIT	7.55	4	10:59	3.14	0.70
1.00	Pipe_-(158)	CONDUIT	6.99	4	11:00	2.91	0.69
1.00	Pipe_-(159)	CONDUIT	6.85	4	10:57	2.85	0.46
1.00	Pipe_-(160)	CONDUIT	9.08	4	10:57	2.89	0.83
1.00	Pipe_-(161)	CONDUIT	9.88	4	11:01	3.15	0.92
1.00	Pipe_-(162)	CONDUIT	11.83	10	08:35	6.50	0.17
1.00	Pipe_-(163)	CONDUIT	39.94	4	10:57	3.33	0.28
1.00	Pipe_-(164)	CONDUIT	14.28	4	10:57	3.83	0.14
1.00	Pipe_-(165)	CONDUIT	7.46	4	11:01	2.38	0.38
1.00	Pipe_-(166)	CONDUIT	2.23	4	11:02	1.26	0.39
1.00	Pipe_-(167)	CONDUIT	2.22	4	11:02	1.26	0.22
1.00	Pipe_-(168)	CONDUIT	2.12	4	11:02	2.04	0.29
1.00	Pipe_-(169)	CONDUIT	2.02	4	11:02	1.23	0.27
1.00	Pipe_-(170)	CONDUIT	2.27	4	11:07	1.85	0.49
1.00	Pipe_-(171)	CONDUIT	1.51	4	11:08	1.23	0.68
1.00	Pipe_-(172)	CONDUIT	1.28	4	11:08	1.63	0.42
1.00	Pipe_-(18)	CONDUIT	0.27	4	05:14	0.24	0.03
1.00	Pipe_-(19)	CONDUIT	0.92	4	05:24	0.86	0.18
1.00	Pipe_-(196)	CONDUIT	7.76	4	10:57	4.35	0.16

1.00	Pipe_-(197)	CONDUIT	7.46	4	10:57	2.37	0.69
1.00	Pipe_-(198)	CONDUIT	6.76	4	10:57	2.15	0.43
1.00	Pipe_-(199)	CONDUIT	5.23	4	10:57	2.18	0.35
1.00	Pipe_-(2)	CONDUIT	0.98	4	17:00	1.35	0.19
1.00	Pipe_-(20)	CONDUIT	0.35	11	06:12	0.96	0.07
1.00	Pipe_-(200)	CONDUIT	5.89	4	11:01	2.45	0.58
1.00	Pipe_-(201)	CONDUIT	6.10	4	10:59	2.54	0.59
1.00	Pipe_-(202)	CONDUIT	4.59	4	11:00	1.91	0.44
1.00	Pipe_-(203)	CONDUIT	3.66	4	11:03	2.07	0.45
1.00	Pipe_-(204)	CONDUIT	2.94	4	11:03	2.40	0.46
1.00	Pipe_-(205)	CONDUIT	1.66	4	11:04	2.11	0.48
1.00	Pipe_-(206)	CONDUIT	7.36	4	10:56	2.34	0.13
1.00	Pipe_-(207)	CONDUIT	7.53	4	10:57	2.40	0.70
1.00	Pipe_-(208)	CONDUIT	7.84	4	10:57	2.49	0.43
1.00	Pipe_-(209)	CONDUIT	6.05	4	10:57	1.93	0.35
1.00	Pipe_-(210)	CONDUIT	6.76	4	10:59	2.81	0.50
1.00	Pipe_-(211)	CONDUIT	6.37	4	11:02	2.65	0.52
1.00	Pipe_-(212)	CONDUIT	5.08	4	11:03	2.11	0.44
1.00	Pipe_-(213)	CONDUIT	3.32	4	11:05	1.38	0.30
1.00	Pipe_-(214)	CONDUIT	3.17	4	11:06	1.79	0.39
1.00	Pipe_-(215)	CONDUIT	2.94	4	11:03	2.40	0.59
1.00	Pipe_-(22)	CONDUIT	0.48	5	01:10	9.84	9.31
1.00	Pipe_-(221)	CONDUIT	18.74	4	10:57	3.46	0.19
1.00	Pipe_-(222)	CONDUIT	12.64	4	10:57	2.57	0.23
1.00	Pipe_-(223)	CONDUIT	6.58	4	10:57	2.10	0.26
1.00	Pipe_-(224)	CONDUIT	6.59	4	10:57	2.10	0.35
1.00	Pipe_-(225)	CONDUIT	5.24	4	10:57	1.67	0.26

1.00	Pipe_-(226)	CONDUIT	4.82	4	10:57	2.00	0.33
1.00	Pipe_-(227)	CONDUIT	5.12	4	11:01	2.13	0.50
1.00	Pipe_-(228)	CONDUIT	4.81	4	11:00	2.00	0.43
1.00	Pipe_-(229)	CONDUIT	3.68	4	11:00	1.53	0.38
1.00	Pipe_-(23)	CONDUIT	0.48	4	17:59	2.47	1.65
1.00	Pipe_-(230)	CONDUIT	2.80	4	11:03	1.58	0.35
1.00	Pipe_-(231)	CONDUIT	1.88	4	11:07	1.54	0.28
1.00	Pipe_-(232)	CONDUIT	1.31	4	11:03	1.67	0.39
1.00	Pipe_-(234)	CONDUIT	2.79	4	17:00	1.58	0.36
1.00	Pipe_-(235)	CONDUIT	1.86	4	17:00	1.51	0.16
0.69	Pipe_-(236)	CONDUIT	0.93	4	17:00	1.85	0.16
0.35	Pipe_-(237)	CONDUIT	13.33	12	06:17	5.93	0.15
1.00	Pipe_-(238)	CONDUIT	6.26	4	11:00	1.99	0.55
1.00	Pipe_-(239)	CONDUIT	6.34	4	10:57	2.02	0.40
1.00	Pipe_-(24)	CONDUIT	0.47	5	15:07	2.38	1.60
1.00	Pipe_-(240)	CONDUIT	5.09	4	10:57	2.11	0.34
1.00	Pipe_-(241)	CONDUIT	5.64	4	11:01	2.35	0.56
1.00	Pipe_-(242)	CONDUIT	5.40	4	10:59	2.25	0.50
1.00	Pipe_-(243)	CONDUIT	4.01	4	11:03	1.67	0.40
1.00	Pipe_-(244)	CONDUIT	3.30	4	11:03	1.87	0.42
1.00	Pipe_-(245)	CONDUIT	2.77	4	11:03	2.25	0.43
1.00	Pipe_-(246)	CONDUIT	1.44	4	11:06	1.83	0.42
1.00	Pipe_-(247)	CONDUIT	13.44	11	08:44	5.93	0.13
1.00	Pipe_-(248)	CONDUIT	6.86	4	10:57	2.18	0.64
1.00	Pipe_-(249)	CONDUIT	7.29	4	10:57	2.32	0.40
1.00	Pipe_-(25)	CONDUIT	0.47	5	22:08	2.37	1.60
1.00							

1.00	Pipe_-(250)	CONDUIT	5.69	4	10:57	1.81	0.33
1.00	Pipe_-(251)	CONDUIT	6.66	4	10:59	2.77	0.49
1.00	Pipe_-(252)	CONDUIT	7.02	4	11:02	2.92	0.57
1.00	Pipe_-(253)	CONDUIT	5.27	4	10:59	2.19	0.45
1.00	Pipe_-(254)	CONDUIT	3.28	4	11:02	1.47	0.30
1.00	Pipe_-(255)	CONDUIT	3.17	4	11:02	1.79	0.39
1.00	Pipe_-(256)	CONDUIT	1.64	4	11:03	1.49	0.31
1.00	Pipe_-(257)	CONDUIT	1.25	4	11:03	1.59	0.45
1.00	Pipe_-(258)	CONDUIT	1.16	4	11:03	1.47	4.70
1.00	Pipe_-(259)	CONDUIT	0.72	4	11:03	1.24	0.27
1.00	Pipe_-(26)	CONDUIT	0.47	6	02:08	2.37	1.58
1.00	Pipe_-(260)	CONDUIT	0.57	4	11:03	2.93	1.09
1.00	Pipe_-(261)	CONDUIT	1.01	4	11:03	1.30	0.38
0.23	Pipe_-(264)	CONDUIT	0.29	4	17:00	1.64	0.11
0.49	Pipe_-(265)	CONDUIT	0.49	4	16:59	1.77	0.10
0.71	Pipe_-(266)	CONDUIT	0.68	4	16:57	2.53	0.09
1.00	Pipe_-(267)	CONDUIT	1.89	4	11:02	2.52	0.12
1.00	Pipe_-(268)	CONDUIT	6.12	4	10:58	2.93	0.24
1.00	Pipe_-(27)	CONDUIT	0.47	6	03:14	2.38	1.62
0.60	Pipe_-(277)	CONDUIT	0.97	4	17:00	2.51	0.08
0.94	Pipe_-(278)	CONDUIT	0.29	4	17:00	0.38	0.08
1.00	Pipe_-(28)	CONDUIT	0.47	6	06:58	2.38	1.60
0.95	Pipe_-(285)	CONDUIT	0.49	4	17:00	0.63	0.15
0.60	Pipe_-(288)	CONDUIT	0.29	4	17:00	1.13	0.02
1.00	Pipe_-(29)	CONDUIT	0.47	6	08:56	2.39	1.62
0.57	Pipe_-(295)	CONDUIT	0.49	4	17:00	1.75	0.05
	Pipe_-(296)	CONDUIT	0.29	4	17:00	0.39	0.09

0.91							
Pipe_-(3)	CONDUIT	1.46	4	17:00	1.69	0.29	
1.00							
Pipe_-(30)	CONDUIT	0.47	6	08:54	2.41	1.63	
1.00							
Pipe_-(307)	CONDUIT	1.55	4	17:01	1.09	0.33	
0.75							
Pipe_-(308)	CONDUIT	4.96	4	17:00	3.15	1.07	
0.83							
Pipe_-(309)	CONDUIT	6.66	4	17:00	4.78	1.47	
0.74							
Pipe_-(31)	CONDUIT	0.47	6	08:48	2.42	1.63	
1.00							
Pipe_-(310)	CONDUIT	10.54	4	17:00	7.28	0.59	
0.58							
Pipe_-(311)	CONDUIT	13.95	4	17:00	5.16	0.41	
0.54							
Pipe_-(312)	CONDUIT	14.79	4	17:00	4.24	0.66	
0.68							
Pipe_-(313)	CONDUIT	1.71	4	17:00	1.39	1.17	
1.00							
Pipe_-(314)	CONDUIT	1.55	4	17:00	2.57	0.39	
0.72							
Pipe_-(319)	CONDUIT	1.55	4	17:00	7.91	1.11	
1.00							
Pipe_-(32)	CONDUIT	0.48	6	11:31	2.43	1.64	
1.00							
Pipe_-(320)	CONDUIT	1.55	4	17:00	7.91	0.97	
1.00							
Pipe_-(321)	CONDUIT	1.86	4	17:00	2.91	0.15	
0.52							
Pipe_-(322)	CONDUIT	1.71	4	17:00	2.04	0.34	
0.64							
Pipe_-(323)	CONDUIT	1.55	4	17:00	2.61	1.14	
0.71							
Pipe_-(327)	CONDUIT	1.86	4	17:00	1.61	0.34	
0.62							
Pipe_-(328)	CONDUIT	1.71	4	17:00	3.10	0.30	
0.47							
Pipe_-(329)	CONDUIT	1.55	4	17:00	3.84	0.34	
0.51							
Pipe_-(33)	CONDUIT	0.48	6	11:12	2.45	1.66	
1.00							
Pipe_-(331)	CONDUIT	1.55	4	17:00	5.97	0.27	
0.38							
Pipe_-(333)	CONDUIT	1.71	4	17:00	2.17	1.23	
1.00							
Pipe_-(334)	CONDUIT	1.55	4	17:00	4.44	0.19	
0.58							
Pipe_-(337)	CONDUIT	3.95	4	17:31	0.80	0.18	
0.45							
Pipe_-(338)	CONDUIT	3.54	4	17:06	0.71	0.15	
0.43							

Pipe_-(34)	CONDUIT	0.50	6	10:55	2.97	1.72
1.00						
Pipe_-(340)	CONDUIT	0.62	4	17:00	0.48	0.01
0.44						
Pipe_-(35)	CONDUIT	2.57	4	16:41	1.85	0.05
0.67						
Pipe_-(358)	CONDUIT	1.92	4	11:09	3.40	0.20
1.00						
Pipe_-(359)	CONDUIT	0.19	4	17:01	1.52	0.03
0.75						
Pipe_-(36)	CONDUIT	5.19	4	17:06	2.57	0.11
0.75						
Pipe_-(360)	CONDUIT	2.93	4	11:11	7.00	0.44
1.00						
Pipe_-(361)	CONDUIT	0.91	4	10:59	3.34	0.69
1.00						
Pipe_-(362)	CONDUIT	1.15	4	10:56	4.49	0.78
1.00						
Pipe_-(363)	CONDUIT	1.56	4	10:56	5.14	1.23
1.00						
Pipe_-(364)	CONDUIT	2.19	4	10:59	4.05	0.65
1.00						
Pipe_-(365)	CONDUIT	3.12	4	10:57	4.55	0.26
1.00						
Pipe_-(366)	CONDUIT	39.45	4	11:00	4.10	0.44
1.00						
Pipe_-(367)	CONDUIT	41.20	4	10:59	4.28	0.78
1.00						
Pipe_-(369)	CONDUIT	1.25	4	10:58	4.92	0.20
1.00						
Pipe_-(37)	CONDUIT	7.15	4	17:10	3.48	0.15
0.81						
Pipe_-(370)	CONDUIT	39.29	4	11:00	5.56	6.27
1.00						
Pipe_-(374)	CONDUIT	0.00	5	03:22	0.07	0.02
0.06						
Pipe_-(375)	CONDUIT	0.01	5	03:45	0.04	0.01
0.30						
Pipe_-(376)	CONDUIT	0.19	4	17:00	1.62	0.04
0.24						
Pipe_-(377)	CONDUIT	0.39	4	17:00	0.27	0.04
1.00						
Pipe_-(378)	CONDUIT	1.80	4	10:59	2.82	0.11
1.00						
Pipe_-(379)	CONDUIT	1.95	4	16:58	1.10	0.12
1.00						
Pipe_-(38)	CONDUIT	7.77	4	15:32	5.08	0.16
0.85						
Pipe_-(380)	CONDUIT	0.39	4	17:00	2.56	0.07
0.77						
Pipe_-(381)	CONDUIT	0.85	4	15:35	4.01	0.02
1.00						
Pipe_-(382)	CONDUIT	0.39	4	16:59	1.12	0.19



1.00	Pipe_-(383)	CONDUIT	0.20	4	17:00	1.98	0.10
1.00	Pipe_-(384)	CONDUIT	0.84	4	10:59	3.23	0.17
1.00	Pipe_-(385)	CONDUIT	0.58	4	17:00	3.73	0.34
1.00	Pipe_-(386)	CONDUIT	0.39	4	17:00	4.50	0.19
0.71	Pipe_-(387)	CONDUIT	0.19	4	17:00	2.88	0.09
0.26	Pipe_-(389)	CONDUIT	0.41	4	15:36	3.83	0.07
1.00	Pipe_-(39)	CONDUIT	14.61	4	15:30	3.10	0.10
0.94	Pipe_-(390)	CONDUIT	2.03	4	17:07	2.52	0.33
1.00	Pipe_-(4)	CONDUIT	1.95	4	17:00	1.70	0.18
1.00	Pipe_-(40)	CONDUIT	17.97	4	13:46	2.09	0.52
1.00	Pipe_-(404)	CONDUIT	0.39	4	17:00	0.50	0.05
1.00	Pipe_-(405)	CONDUIT	0.20	4	17:00	1.38	0.08
1.00	Pipe_-(408)	CONDUIT	18.94	4	18:22	6.88	0.31
0.55	Pipe_-(409)	CONDUIT	13.43	4	18:25	7.34	0.32
0.66	Pipe_-(41)	CONDUIT	14.94	4	17:05	3.36	0.26
1.00	Pipe_-(410)	CONDUIT	13.40	4	18:25	5.49	0.32
0.57	Pipe_-(411)	CONDUIT	13.37	5	03:11	6.32	0.32
0.47	Pipe_-(412)	CONDUIT	13.37	5	15:51	6.96	0.38
0.42	Pipe_-(42)	CONDUIT	15.41	4	17:05	3.35	0.32
1.00	Pipe_-(423)	CONDUIT	18.98	5	03:18	10.74	1.69
1.00	Pipe_-(424)	CONDUIT	18.98	5	03:22	10.74	1.71
1.00	Pipe_-(425)	CONDUIT	18.98	5	03:28	10.74	1.69
1.00	Pipe_-(426)	CONDUIT	22.68	0	00:00	13.00	2.02
1.00	Pipe_-(427)	CONDUIT	47.92	0	00:00	27.12	4.35
1.00	Pipe_-(429)	CONDUIT	10.56	4	10:58	5.97	3.76
1.00	Pipe_-(43)	CONDUIT	15.91	4	17:03	3.75	0.32
1.00							

1.00	Pipe_-(430)	CONDUIT	7.94	4	11:01	4.50	2.66
1.00	Pipe_-(431)	CONDUIT	6.08	4	10:57	3.44	1.27
1.00	Pipe_-(432)	CONDUIT	7.06	4	10:59	3.23	1.08
1.00	Pipe_-(433)	CONDUIT	8.94	4	10:57	4.10	1.87
1.00	Pipe_-(434)	CONDUIT	19.54	4	11:14	8.96	1.42
1.00	Pipe_-(435)	CONDUIT	18.99	5	02:48	8.70	1.41
1.00	Pipe_-(436)	CONDUIT	18.99	5	02:52	8.70	1.25
1.00	Pipe_-(437)	CONDUIT	18.99	5	02:55	8.70	1.41
1.00	Pipe_-(438)	CONDUIT	18.98	5	03:02	8.70	1.38
1.00	Pipe_-(439)	CONDUIT	18.98	5	03:15	24.87	0.06
1.00	Pipe_-(44)	CONDUIT	16.03	4	17:05	4.69	0.32
1.00	Pipe_-(443)	CONDUIT	15.67	4	10:58	5.83	0.34
1.00	Pipe_-(444)	CONDUIT	15.76	4	11:01	5.43	0.96
1.00	Pipe_-(445)	CONDUIT	14.71	4	11:01	4.98	0.86
1.00	Pipe_-(446)	CONDUIT	12.08	4	11:02	3.88	0.69
1.00	Pipe_-(447)	CONDUIT	0.29	4	10:56	0.79	0.05
1.00	Pipe_-(448)	CONDUIT	0.52	4	10:56	0.62	0.09
1.00	Pipe_-(449)	CONDUIT	0.79	4	16:59	0.64	0.13
1.00	Pipe_-(45)	CONDUIT	16.23	4	17:04	2.30	0.28
1.00	Pipe_-(450)	CONDUIT	39.46	4	11:00	5.58	2.60
1.00	Pipe_-(452)	CONDUIT	1.91	2	16:19	1.08	2.34
1.00	Pipe_-(453)	CONDUIT	3.65	4	11:10	2.06	1.13
1.00	Pipe_-(454)	CONDUIT	3.66	4	11:10	2.07	1.24
1.00	Pipe_-(455)	CONDUIT	3.66	4	11:10	2.07	0.40
1.00	Pipe_-(456)	CONDUIT	3.76	4	11:10	2.13	0.72
1.00	Pipe_-(460)	CONDUIT	0.20	4	17:00	1.00	0.39
1.00	Pipe_-(461)	CONDUIT	22.35	4	17:13	3.16	14.45

1.00							
Pipe_-(462)	CONDUIT	27.74	4	17:09	3.92	0.80	
1.00							
Pipe_-(467)	CONDUIT	18.98	4	17:03	3.59	0.46	
0.45							
Pipe_-(47)	CONDUIT	23.17	4	17:03	2.31	0.31	
1.00							
Pipe_-(474)	CONDUIT	1.10	4	17:08	2.43	0.18	
0.83							
Pipe_-(49)	CONDUIT	23.64	4	17:04	1.66	0.45	
1.00							
Pipe_-(5)	CONDUIT	2.56	4	01:15	1.92	0.23	
1.00							
Pipe_-(50)	CONDUIT	24.11	4	17:03	1.69	0.54	
1.00							
Pipe_-(51)	CONDUIT	26.87	4	17:02	1.89	3.36	
1.00							
Pipe_-(52)	CONDUIT	27.99	4	17:02	2.36	1.39	
1.00							
Pipe_-(53)	CONDUIT	27.99	4	17:02	3.08	0.52	
1.00							
Pipe_-(54)	CONDUIT	2.12	4	17:06	2.80	0.42	
1.00							
Pipe_-(55)	CONDUIT	1.84	4	17:06	2.32	0.37	
1.00							
Pipe_-(56)	CONDUIT	1.56	4	17:06	2.22	0.31	
1.00							
Pipe_-(57)	CONDUIT	1.29	4	17:07	2.14	0.25	
0.99							
Pipe_-(58)	CONDUIT	1.01	4	17:09	1.89	0.20	
0.95							
Pipe_-(59)	CONDUIT	0.74	4	17:09	1.62	0.15	
0.89							
Pipe_-(6)	CONDUIT	2.59	4	16:51	1.97	0.24	
1.00							
Pipe_-(60)	CONDUIT	0.48	4	17:07	1.38	0.09	
0.77							
Pipe_-(65)	CONDUIT	2.85	4	16:40	2.32	0.56	
1.00							
Pipe_-(66)	CONDUIT	2.57	4	16:40	3.28	0.16	
0.93							
Pipe_-(67)	CONDUIT	2.26	4	16:41	4.68	0.44	
0.84							
Pipe_-(68)	CONDUIT	1.73	4	16:59	2.73	0.34	
0.73							
Pipe_-(69)	CONDUIT	1.46	4	17:01	2.30	0.29	
0.57							
Pipe_-(7)	CONDUIT	2.78	4	16:51	1.40	0.16	
1.00							
Pipe_-(70)	CONDUIT	1.17	4	17:00	2.14	0.23	
0.41							
Pipe_-(71)	CONDUIT	0.88	4	17:00	1.93	0.17	
0.30							

0.25	Pipe_-(72)	CONDUIT	0.58	4	17:00	1.65	0.11
0.24	Pipe_-(73)	CONDUIT	0.29	4	17:00	1.29	0.09
1.00	Pipe_-(74)	CONDUIT	1.84	4	17:04	1.95	0.37
1.00	Pipe_-(75)	CONDUIT	1.55	4	17:09	2.04	0.30
1.00	Pipe_-(76)	CONDUIT	1.27	4	17:09	1.97	0.25
1.00	Pipe_-(77)	CONDUIT	1.00	4	17:10	1.91	0.20
1.00	Pipe_-(78)	CONDUIT	0.72	4	17:10	1.75	0.14
0.94	Pipe_-(79)	CONDUIT	0.47	4	17:14	1.46	0.09
1.00	Pipe_-(8)	CONDUIT	3.16	4	16:51	0.92	0.18
0.94	Pipe_-(80)	CONDUIT	0.20	4	17:12	1.01	0.06
1.00	Pipe_-(81)	CONDUIT	8.64	4	15:33	3.87	0.20
1.00	Pipe_-(82)	CONDUIT	8.79	4	15:31	3.18	0.60
1.00	Pipe_-(83)	CONDUIT	7.20	4	10:58	2.80	0.48
1.00	Pipe_-(84)	CONDUIT	6.38	4	10:58	2.66	0.45
1.00	Pipe_-(85)	CONDUIT	5.61	4	15:26	2.97	0.89
1.00	Pipe_-(87)	CONDUIT	5.68	4	15:39	4.10	0.22
1.00	Pipe_-(88)	CONDUIT	3.45	4	17:04	5.33	0.29
1.00	Pipe_-(89)	CONDUIT	2.97	4	17:04	3.76	0.27
1.00	Pipe_-(9)	CONDUIT	3.35	4	16:51	0.83	0.51
1.00	Pipe_-(90)	CONDUIT	2.50	4	17:07	3.33	0.45
1.00	Pipe_-(91)	CONDUIT	2.03	4	17:07	2.61	0.66
0.96	Pipe_-(92)	CONDUIT	1.56	4	17:07	2.41	0.25
0.89	Pipe_-(93)	CONDUIT	1.10	4	17:08	2.18	0.17
0.74	Pipe_-(94)	CONDUIT	0.65	4	17:16	1.79	0.10
0.58	Pipe_-(95)	CONDUIT	0.38	4	17:10	1.56	0.06
0.46	Pipe_-(96)	CONDUIT	0.19	4	16:58	1.11	0.03
	Pipe_-(97)	CONDUIT	0.29	4	17:04	1.27	0.05

0.62	Pipe_PS_A	CONDUIT	3.87	4	11:10	2.94	0.04
1.00	Pipe_PS_B	CONDUIT	8.12	4	10:58	1.68	2.06
1.00	Pipe468	CONDUIT	23.36	4	16:59	10.95	3.74
0.67	Pipe483	CONDUIT	1.55	4	17:00	1.98	0.40
1.00	PSC_Overflow	CONDUIT	5.67	5	20:18	5.85	0.70
0.92	PSC_to_Outfall	CONDUIT	13.37	5	15:51	6.97	0.52
0.82	Roadside_Culvert	CONDUIT	3.92	8	17:08	1.25	0.23
1.00	SU1-2_Force1	CONDUIT	5.57	4	15:51	10.00	96.50
1.00	SU1-2_Force2_1	CONDUIT	5.57	4	15:51	7.19	1.56
1.00	SU1-2_Force2_2	CONDUIT	5.57	4	15:51	7.80	1.56
0.88	SU1-2_Force3	CONDUIT	5.57	4	18:22	8.78	0.82
0.88	SU1-2_SouthDitch	CONDUIT	1.54	4	17:00	1.50	0.00
0.06	SU67-FM1	CONDUIT	5.57	4	17:24	4.56	1.46
1.00	SU67-FM2	CONDUIT	5.57	4	15:57	4.56	1.35
1.00	SU67-FM3	CONDUIT	5.57	4	15:56	5.10	1.69
1.00	SU67-FM4	CONDUIT	5.57	4	15:44	5.69	0.50
1.00	SU67-FM5	CONDUIT	5.57	4	15:44	4.56	0.95
1.00	SU67-FM6	CONDUIT	5.58	4	15:44	5.46	0.95
1.00	SU67-FM7	CONDUIT	5.58	4	15:44	4.88	3.64
1.00	SU6-E	CONDUIT	3.24	4	17:16	1.46	0.02
0.24	SU6-SU7_2	CONDUIT	10.24	0	00:00	9.35	0.55
1.00	UDitch_Single	CONDUIT	18.43	4	17:11	0.25	0.01
0.72	UDitch_Transition	CONDUIT	27.03	4	17:09	0.27	0.00
0.43	004Pump1	PUMP	1.36	2	20:00		0.85
	77Pump1	PUMP	22.28	4	01:11		1.00
	77Pump2	PUMP	0.00	0	00:00		0.00
	CPump1	PUMP	6.68	4	01:48		1.00
	CPump2	PUMP	6.68	4	01:52		1.00
	PumpSU7-1	PUMP	5.57	4	15:43		1.00





Pipe_-(127)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.95 0.00								
Pipe_-(128)	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00
0.99 0.00								
Pipe_-(130)	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00
0.99 0.00								
Pipe_-(133)	1.00	0.00	0.00	0.00	0.99	0.00	0.00	0.01
0.02 0.00								
Pipe_-(134)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.01 0.00								
Pipe_-(135)	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00
0.05 0.00								
Pipe_-(136)	1.00	0.00	0.00	0.00	0.99	0.00	0.00	0.01
0.11 0.00								
Pipe_-(137)	1.00	0.00	0.00	0.00	0.88	0.12	0.00	0.00
0.16 0.00								
Pipe_-(138)	1.00	0.00	0.00	0.00	0.86	0.14	0.00	0.00
0.31 0.00								
Pipe_-(153)	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00
0.15 0.00								
Pipe_-(154)	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00
0.11 0.00								
Pipe_-(155)	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00
0.09 0.00								
Pipe_-(156)	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00
0.07 0.00								
Pipe_-(157)	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00
0.06 0.00								
Pipe_-(158)	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00
0.05 0.00								
Pipe_-(159)	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00
0.04 0.00								
Pipe_-(160)	1.00	0.00	0.00	0.00	0.98	0.00	0.00	0.02
0.00 0.00								
Pipe_-(161)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.01 0.00								
Pipe_-(162)	1.00	0.03	0.00	0.00	0.96	0.00	0.00	0.02
0.01 0.00								
Pipe_-(163)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00
0.00 0.00								
Pipe_-(164)	1.00	0.02	0.01	0.00	0.97	0.00	0.00	0.00
0.02 0.00								
Pipe_-(165)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00
0.00 0.00								
Pipe_-(166)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.02 0.00								
Pipe_-(167)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.05 0.00								
Pipe_-(168)	1.00	0.00	0.01	0.00	0.98	0.00	0.00	0.00
0.02 0.00								
Pipe_-(169)	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00
0.08 0.00								
Pipe_-(170)	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00





Pipe_-(22)	1.00	0.19	0.00	0.00	0.81	0.00	0.00	0.00
0.00 0.00								
Pipe_-(221)	1.00	0.02	0.00	0.00	0.97	0.00	0.00	0.00
0.02 0.00								
Pipe_-(222)	1.00	0.02	0.00	0.00	0.97	0.00	0.00	0.00
0.02 0.00								
Pipe_-(223)	1.00	0.02	0.00	0.00	0.97	0.00	0.00	0.00
0.02 0.00								
Pipe_-(224)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00
0.03 0.00								
Pipe_-(225)	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00
0.03 0.00								
Pipe_-(226)	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00
0.04 0.00								
Pipe_-(227)	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00
0.05 0.00								
Pipe_-(228)	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00
0.06 0.00								
Pipe_-(229)	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00
0.07 0.00								
Pipe_-(23)	1.00	0.19	0.00	0.00	0.81	0.00	0.00	0.00
0.00 0.00								
Pipe_-(230)	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00
0.09 0.00								
Pipe_-(231)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00
0.12 0.00								
Pipe_-(232)	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00
0.15 0.00								
Pipe_-(234)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.01 0.00								
Pipe_-(235)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.03 0.00								
Pipe_-(236)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.87 0.00								
Pipe_-(237)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00
0.03 0.00								
Pipe_-(238)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.01 0.00								
Pipe_-(239)	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00
0.03 0.00								
Pipe_-(24)	1.00	0.19	0.00	0.00	0.81	0.00	0.00	0.00
0.02 0.00								
Pipe_-(240)	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00
0.04 0.00								
Pipe_-(241)	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00
0.05 0.00								
Pipe_-(242)	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00
0.06 0.00								
Pipe_-(243)	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00
0.07 0.00								
Pipe_-(244)	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00
0.09 0.00								
Pipe_-(245)	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00



Pipe_-(28)	1.00	0.19	0.00	0.00	0.81	0.00	0.00	0.00
0.47 0.00								
Pipe_-(285)	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00
0.01 0.00								
Pipe_-(288)	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00
0.97 0.00								
Pipe_-(29)	1.00	0.19	0.00	0.00	0.81	0.00	0.00	0.00
0.49 0.00								
Pipe_-(295)	1.00	0.00	0.03	0.00	0.97	0.00	0.00	0.00
0.97 0.00								
Pipe_-(296)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.02 0.00								
Pipe_-(3)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.34 0.00								
Pipe_-(30)	1.00	0.19	0.00	0.00	0.81	0.00	0.00	0.00
0.00 0.00								
Pipe_-(307)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.94 0.00								
Pipe_-(308)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.86 0.00								
Pipe_-(309)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(31)	1.00	0.19	0.00	0.00	0.81	0.00	0.00	0.00
0.48 0.00								
Pipe_-(310)	1.00	0.00	0.00	0.00	0.00	0.21	0.00	0.79
0.17 0.00								
Pipe_-(311)	1.00	0.00	0.01	0.00	0.98	0.01	0.00	0.00
0.99 0.00								
Pipe_-(312)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.95 0.00								
Pipe_-(313)	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00
0.52 0.00								
Pipe_-(314)	1.00	0.00	0.00	0.00	0.99	0.00	0.00	0.01
0.99 0.00								
Pipe_-(319)	1.00	0.00	0.01	0.00	0.94	0.05	0.00	0.00
0.99 0.00								
Pipe_-(32)	1.00	0.19	0.00	0.00	0.81	0.00	0.00	0.00
0.02 0.00								
Pipe_-(320)	1.00	0.00	0.01	0.00	0.94	0.06	0.00	0.00
0.99 0.00								
Pipe_-(321)	1.00	0.00	0.02	0.00	0.98	0.00	0.00	0.00
0.99 0.00								
Pipe_-(322)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.01 0.00								
Pipe_-(323)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.87 0.00								
Pipe_-(327)	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00
0.71 0.00								
Pipe_-(328)	1.00	0.01	0.00	0.00	0.01	0.03	0.00	0.94
0.04 0.00								
Pipe_-(329)	1.00	0.00	0.01	0.00	0.98	0.01	0.00	0.00
0.99 0.00								
Pipe_-(33)	1.00	0.19	0.00	0.00	0.81	0.00	0.00	0.00



Pipe_-(378)	1.00	0.00	0.01	0.00	0.95	0.04	0.00	0.00
0.16 0.00								
Pipe_-(379)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.06 0.00								
Pipe_-(38)	1.00	0.00	0.00	0.00	0.56	0.44	0.00	0.00
0.04 0.00								
Pipe_-(380)	1.00	0.00	0.00	0.00	0.70	0.30	0.00	0.00
0.88 0.00								
Pipe_-(381)	1.00	0.00	0.00	0.00	0.60	0.01	0.00	0.40
0.45 0.00								
Pipe_-(382)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.28 0.00								
Pipe_-(383)	1.00	0.00	0.00	0.00	0.78	0.22	0.00	0.00
0.38 0.00								
Pipe_-(384)	1.00	0.00	0.00	0.00	0.65	0.00	0.00	0.35
0.17 0.00								
Pipe_-(385)	1.00	0.00	0.00	0.00	0.29	0.01	0.00	0.70
0.16 0.00								
Pipe_-(386)	1.00	0.00	0.00	0.00	0.13	0.00	0.00	0.86
0.09 0.00								
Pipe_-(387)	1.00	0.00	0.00	0.00	0.15	0.85	0.00	0.00
1.00 0.00								
Pipe_-(389)	1.00	0.00	0.00	0.00	0.85	0.00	0.00	0.15
0.67 0.00								
Pipe_-(39)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.69 0.00								
Pipe_-(390)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.83 0.00								
Pipe_-(4)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.31 0.00								
Pipe_-(40)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(404)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.17 0.00								
Pipe_-(405)	1.00	0.02	0.00	0.00	0.83	0.00	0.00	0.15
0.13 0.00								
Pipe_-(408)	1.00	0.02	0.00	0.00	0.19	0.79	0.00	0.00
0.00 0.00								
Pipe_-(409)	1.00	0.02	0.48	0.00	0.46	0.04	0.00	0.00
0.32 0.00								
Pipe_-(41)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.15 0.00								
Pipe_-(410)	1.00	0.26	0.01	0.00	0.64	0.09	0.00	0.00
0.32 0.00								
Pipe_-(411)	1.00	0.25	0.00	0.00	0.30	0.45	0.00	0.00
0.34 0.00								
Pipe_-(412)	1.00	0.25	0.00	0.00	0.30	0.45	0.00	0.00
0.68 0.00								
Pipe_-(42)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.02 0.00								
Pipe_-(423)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(424)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00



Pipe_-(453)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.03 0.00								
Pipe_-(454)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.03 0.00								
Pipe_-(455)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.19 0.00								
Pipe_-(456)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(460)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.03 0.00								
Pipe_-(461)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(462)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.03 0.00								
Pipe_-(467)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.52 0.00								
Pipe_-(47)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.10 0.00								
Pipe_-(474)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.01 0.00								
Pipe_-(49)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.06 0.00								
Pipe_-(5)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.15 0.00								
Pipe_-(50)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.01 0.00								
Pipe_-(51)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe_-(52)	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00
0.00 0.00								
Pipe_-(53)	1.00	0.01	0.00	0.00	0.93	0.00	0.00	0.06
0.01 0.00								
Pipe_-(54)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.59 0.00								
Pipe_-(55)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.79 0.00								
Pipe_-(56)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.88 0.00								
Pipe_-(57)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.86 0.00								
Pipe_-(58)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.86 0.00								
Pipe_-(59)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.88 0.00								
Pipe_-(6)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.12 0.00								
Pipe_-(60)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.92 0.00								
Pipe_-(65)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.45 0.00								
Pipe_-(66)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.90 0.00								
Pipe_-(67)	1.00	0.00	0.00	0.00	0.72	0.28	0.00	0.00





Pipe_-(92)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.90 0.00								
Pipe_-(93)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.85 0.00								
Pipe_-(94)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.92 0.00								
Pipe_-(95)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.94 0.00								
Pipe_-(96)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.90 0.00								
Pipe_-(97)	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.93 0.00								
Pipe_PS_A	1.00	0.00	0.00	0.00	0.95	0.05	0.00	0.00
0.63 0.00								
Pipe_PS_B	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.00 0.00								
Pipe468	1.00	0.00	0.00	0.00	0.02	0.98	0.00	0.00
0.00 0.00								
Pipe483	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.03 0.00								
PSC_Overflow	1.00	0.07	0.62	0.00	0.28	0.03	0.00	0.00
0.52 0.00								
PSC_to_Outfall	1.00	0.25	0.26	0.00	0.22	0.27	0.00	0.00
0.32 0.00								
Roadside_Culvert	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00
0.03 0.00								
SU1-2_Force1	1.00	0.02	0.00	0.00	0.96	0.02	0.00	0.00
0.00 0.00								
SU1-2_Force2_1	1.00	0.02	0.00	0.00	0.87	0.10	0.00	0.00
0.67 0.00								
SU1-2_Force2_2	1.00	0.02	0.00	0.00	0.42	0.56	0.00	0.00
0.22 0.00								
SU1-2_Force3	1.00	0.02	0.03	0.00	0.55	0.39	0.00	0.00
0.56 0.00								
SU1-2_SouthDitch	1.00	0.04	0.00	0.00	0.01	0.00	0.00	0.95
0.01 0.00								
SU67-FM1	1.00	0.64	0.03	0.00	0.33	0.00	0.00	0.00
0.61 0.00								
SU67-FM2	1.00	0.18	0.45	0.00	0.36	0.00	0.00	0.00
0.63 0.00								
SU67-FM3	1.00	0.18	0.00	0.00	0.68	0.13	0.00	0.00
0.16 0.00								
SU67-FM4	1.00	0.36	0.15	0.00	0.45	0.04	0.00	0.00
0.67 0.00								
SU67-FM5	1.00	0.18	0.22	0.00	0.60	0.00	0.00	0.00
0.30 0.00								
SU67-FM6	1.00	0.18	0.06	0.00	0.75	0.00	0.00	0.00
0.12 0.00								
SU67-FM7	1.00	0.18	0.00	0.00	0.65	0.00	0.00	0.16
0.00 0.00								
SU6-E	1.00	0.00	0.00	0.00	0.01	0.00	0.00	0.99
0.01 0.00								
SU6-SU7_2	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00

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0.00 0.00
  UDitch_Single      1.00  0.00  0.00  0.00  1.00  0.00  0.00  0.00
0.52 0.00
  UDitch_Transition  1.00  0.02  0.00  0.00  0.98  0.00  0.00  0.00
0.37 0.00

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Conduit Surcharge Summary
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Conduit	----- Both Ends	Hours Full Upstream	----- Dnstream	Hours Above Full Normal Flow	Hours Capacity Limited
172_to_Inlet	321.45	321.45	328.66	0.01	0.01
278_to_PS_B	37.07	37.07	224.92	0.01	0.01
381_to_PS77	42.58	42.59	42.74	0.01	15.22
458_to_Inlet	83.60	83.60	270.85	0.01	0.01
469_to_Inlet	294.15	294.15	322.32	0.01	0.01
C1_2	275.01	275.01	327.69	0.01	0.01
Culvert11	193.17	193.17	237.43	0.01	0.01
Culvert12	77.25	77.25	97.46	0.01	0.02
Culvert12a	76.55	76.55	77.25	0.01	3.79
Ditch_77	317.60	317.60	317.67	0.42	10.10
Ditch11	72.36	72.36	97.46	0.01	0.01
Ditch12	63.42	63.42	76.55	0.01	0.01
Ditch18	47.16	47.16	53.11	0.01	0.01
Facility73_to_Pond	335.00	335.00	335.00	112.98	112.71
Pipe_-_ (1)	51.36	51.36	54.98	0.01	0.02
Pipe_-_ (10)	181.05	181.06	184.17	0.01	5.71
Pipe_-_ (10)_ (1)	184.17	184.17	186.99	0.01	19.85
Pipe_-_ (117)	46.93	46.93	290.45	0.01	0.01
Pipe_-_ (118)	43.59	43.59	46.93	0.01	0.01
Pipe_-_ (119)	0.01	0.01	43.59	0.01	0.01
Pipe_-_ (120)	0.01	0.01	4.86	0.01	0.01
Pipe_-_ (124)	0.01	0.01	6.41	0.01	0.01
Pipe_-_ (127)	0.01	0.01	4.86	0.01	0.01
Pipe_-_ (133)	298.70	298.71	300.52	0.01	0.01
Pipe_-_ (134)	297.47	297.47	298.71	0.01	0.07
Pipe_-_ (135)	296.43	296.43	297.47	0.01	0.22
Pipe_-_ (136)	282.59	282.59	296.43	0.01	0.01
Pipe_-_ (137)	206.61	206.61	282.59	0.01	0.01
Pipe_-_ (138)	179.06	179.06	206.62	0.01	0.01
Pipe_-_ (153)	197.81	197.81	285.26	0.01	0.05
Pipe_-_ (154)	225.54	225.54	290.01	0.01	0.03
Pipe_-_ (155)	282.75	282.75	293.83	0.01	0.02
Pipe_-_ (156)	289.22	289.22	294.71	0.01	0.02
Pipe_-_ (157)	292.96	292.96	298.75	0.01	0.01
Pipe_-_ (158)	296.90	296.90	304.89	0.01	0.02
Pipe_-_ (159)	301.49	301.49	310.64	0.01	0.01
Pipe_-_ (160)	308.75	308.75	311.51	0.01	0.03

Pipe_-(161)	312.80	312.80	313.90	0.01	0.05
Pipe_-(162)	306.32	306.32	314.14	0.01	0.01
Pipe_-(163)	319.03	319.03	321.45	0.01	0.01
Pipe_-(164)	299.13	299.13	321.16	0.01	0.01
Pipe_-(165)	314.23	314.23	318.61	0.01	0.01
Pipe_-(166)	316.83	316.83	318.45	0.01	0.01
Pipe_-(167)	310.37	310.37	316.83	0.01	0.01
Pipe_-(168)	300.46	300.46	310.37	0.01	0.01
Pipe_-(169)	289.10	289.10	301.54	0.01	0.01
Pipe_-(170)	242.73	242.73	293.12	0.01	0.01
Pipe_-(171)	228.23	228.26	242.74	0.01	0.06
Pipe_-(172)	213.21	213.21	324.56	0.01	0.03
Pipe_-(18)	229.86	229.86	282.03	0.01	0.01
Pipe_-(19)	212.47	212.47	240.58	0.01	0.01
Pipe_-(196)	312.29	312.29	315.58	0.01	0.01
Pipe_-(197)	312.80	312.80	313.88	0.01	0.02
Pipe_-(198)	306.87	306.87	312.80	0.01	0.01
Pipe_-(199)	301.47	301.47	310.64	0.01	0.01
Pipe_-(2)	54.98	54.98	92.07	0.01	0.01
Pipe_-(20)	188.48	188.48	212.47	0.01	0.01
Pipe_-(200)	296.91	296.91	304.95	0.01	0.03
Pipe_-(201)	293.55	293.55	298.76	0.01	0.02
Pipe_-(202)	289.25	289.25	295.30	0.01	0.02
Pipe_-(203)	282.67	282.67	293.83	0.01	0.02
Pipe_-(204)	225.50	225.50	289.99	0.01	0.02
Pipe_-(205)	198.04	198.04	285.27	0.01	0.02
Pipe_-(206)	314.62	314.62	318.61	0.01	0.01
Pipe_-(207)	315.51	315.51	316.48	0.01	0.02
Pipe_-(208)	308.63	308.63	315.51	0.01	0.01
Pipe_-(209)	304.72	304.72	310.59	0.01	0.01
Pipe_-(210)	294.96	294.96	308.75	0.01	0.01
Pipe_-(211)	290.65	290.65	297.90	0.01	0.01
Pipe_-(212)	284.28	284.28	292.40	0.01	0.02
Pipe_-(213)	225.26	225.26	286.44	0.01	0.02
Pipe_-(214)	217.80	217.80	282.27	0.01	0.03
Pipe_-(215)	196.52	196.52	232.81	0.01	0.06
Pipe_-(22)	156.23	233.62	156.23	224.16	156.23
Pipe_-(221)	311.78	311.78	320.82	0.01	0.01
Pipe_-(222)	313.03	313.03	319.50	0.01	0.01
Pipe_-(223)	310.97	310.97	318.53	0.01	0.01
Pipe_-(224)	309.86	309.86	314.14	0.01	0.01
Pipe_-(225)	306.91	306.91	315.88	0.01	0.01
Pipe_-(226)	301.49	301.49	310.67	0.01	0.01
Pipe_-(227)	296.91	296.91	304.94	0.01	0.01
Pipe_-(228)	292.99	292.99	298.74	0.01	0.01
Pipe_-(229)	289.17	289.17	294.69	0.01	0.01
Pipe_-(23)	91.06	91.24	91.18	72.75	82.76
Pipe_-(230)	282.73	282.73	293.85	0.01	0.01
Pipe_-(231)	221.84	221.84	290.02	0.01	0.01
Pipe_-(232)	198.03	198.03	283.93	0.01	0.02
Pipe_-(234)	2.51	2.51	329.69	0.01	0.01
Pipe_-(235)	0.01	0.01	2.51	0.01	0.01
Pipe_-(237)	308.42	308.42	318.53	0.01	0.01

Pipe_-(238)	312.83	312.83	314.03	0.01	0.01
Pipe_-(239)	306.91	306.91	312.83	0.01	0.01
Pipe_-(24)	90.51	91.18	90.92	73.85	82.83
Pipe_-(240)	301.48	301.48	310.65	0.01	0.01
Pipe_-(241)	296.94	296.94	304.91	0.01	0.01
Pipe_-(242)	292.99	292.99	298.72	0.01	0.01
Pipe_-(243)	289.26	289.26	294.75	0.01	0.01
Pipe_-(244)	283.14	283.14	293.83	0.01	0.01
Pipe_-(245)	225.54	225.54	290.37	0.01	0.01
Pipe_-(246)	198.15	198.15	285.13	0.01	0.02
Pipe_-(247)	309.31	309.31	320.34	0.01	0.01
Pipe_-(248)	315.54	315.54	316.57	0.01	0.02
Pipe_-(249)	308.65	308.65	315.54	0.01	0.01
Pipe_-(25)	89.45	90.92	90.44	74.95	81.08
Pipe_-(250)	304.70	304.70	310.60	0.01	0.01
Pipe_-(251)	294.97	294.97	308.77	0.01	0.01
Pipe_-(252)	290.65	290.65	297.91	0.01	0.01
Pipe_-(253)	284.26	284.26	292.44	0.01	0.01
Pipe_-(254)	225.28	225.28	286.42	0.01	0.01
Pipe_-(255)	217.82	217.82	282.24	0.01	0.01
Pipe_-(256)	191.13	191.13	232.81	0.01	0.01
Pipe_-(257)	175.61	175.61	217.24	0.01	0.02
Pipe_-(258)	175.56	175.77	175.61	13.52	72.84
Pipe_-(259)	110.25	110.25	174.22	0.01	0.01
Pipe_-(26)	90.14	90.44	90.28	74.04	82.58
Pipe_-(260)	154.12	154.12	176.92	0.01	0.01
Pipe_-(261)	93.43	93.43	175.77	0.01	0.01
Pipe_-(267)	0.85	0.85	20.26	0.01	0.01
Pipe_-(268)	20.26	20.26	36.77	0.01	0.01
Pipe_-(27)	90.03	90.28	90.09	78.81	85.04
Pipe_-(277)	0.01	0.01	42.02	0.01	0.01
Pipe_-(278)	0.01	0.01	328.92	0.01	0.01
Pipe_-(28)	89.40	90.09	89.60	76.39	85.62
Pipe_-(285)	0.01	0.01	328.92	0.01	0.01
Pipe_-(288)	0.01	0.01	6.32	0.01	0.01
Pipe_-(29)	87.56	89.60	87.85	78.26	85.65
Pipe_-(295)	0.01	0.01	44.56	0.01	0.01
Pipe_-(296)	0.01	0.01	328.72	0.01	0.01
Pipe_-(3)	92.07	92.07	120.84	0.01	0.01
Pipe_-(30)	85.88	87.85	86.07	79.83	85.13
Pipe_-(308)	0.01	0.01	0.01	0.64	0.01
Pipe_-(309)	0.01	0.01	0.01	2.36	0.01
Pipe_-(31)	83.66	86.07	83.73	78.58	83.28
Pipe_-(313)	0.11	0.26	0.11	1.43	0.11
Pipe_-(314)	0.01	0.01	2.52	0.01	0.01
Pipe_-(319)	1.67	1.67	21.85	0.99	0.99
Pipe_-(32)	77.87	83.73	77.91	79.64	77.86
Pipe_-(320)	0.58	0.58	24.02	0.01	0.01
Pipe_-(323)	0.01	0.01	0.01	1.21	0.01
Pipe_-(33)	70.75	77.91	70.75	79.42	69.00
Pipe_-(333)	0.97	1.08	0.97	1.68	0.97
Pipe_-(34)	43.01	70.75	43.04	77.66	41.17
Pipe_-(358)	36.61	36.61	39.11	0.01	0.01

Pipe_-(359)	0.01	0.01	36.61	0.01	0.01
Pipe_-(360)	39.11	39.11	41.40	0.01	0.01
Pipe_-(361)	42.62	42.62	46.06	0.01	0.01
Pipe_-(362)	46.06	46.06	49.15	0.01	0.01
Pipe_-(363)	49.15	49.15	55.54	0.01	0.01
Pipe_-(364)	48.67	48.67	56.14	0.01	0.01
Pipe_-(365)	56.13	56.13	312.22	0.01	0.01
Pipe_-(366)	262.74	262.74	282.06	0.01	0.01
Pipe_-(367)	262.73	262.74	275.98	0.01	0.13
Pipe_-(369)	48.30	48.30	300.43	0.01	0.01
Pipe_-(370)	299.15	299.15	299.48	96.44	141.99
Pipe_-(377)	119.01	119.01	213.30	0.01	0.01
Pipe_-(378)	205.68	205.68	292.73	0.01	0.01
Pipe_-(379)	292.73	292.73	317.20	0.01	0.01
Pipe_-(380)	0.01	0.01	186.62	0.01	0.01
Pipe_-(381)	30.06	30.06	52.38	0.01	0.01
Pipe_-(382)	210.94	210.94	275.88	0.01	0.01
Pipe_-(383)	149.19	149.19	210.94	0.01	0.01
Pipe_-(384)	53.74	53.74	157.22	0.01	0.01
Pipe_-(385)	28.63	28.63	51.59	0.01	0.01
Pipe_-(386)	0.01	0.01	24.50	0.01	0.01
Pipe_-(389)	46.45	46.45	252.73	0.01	0.01
Pipe_-(39)	0.01	0.01	43.14	0.01	0.01
Pipe_-(390)	5.60	5.60	8.89	0.01	0.01
Pipe_-(4)	59.39	59.39	101.23	0.01	0.01
Pipe_-(40)	43.13	43.14	43.38	0.01	4.10
Pipe_-(404)	210.47	210.47	319.65	0.01	0.01
Pipe_-(405)	174.69	174.69	200.18	0.01	0.01
Pipe_-(41)	43.38	43.38	50.82	0.01	0.01
Pipe_-(42)	50.82	50.82	56.64	0.01	0.05
Pipe_-(423)	334.73	334.73	334.79	107.38	109.31
Pipe_-(424)	334.79	334.79	334.95	107.56	109.63
Pipe_-(425)	334.95	334.95	334.98	107.49	108.64
Pipe_-(426)	334.99	334.99	335.00	107.51	109.75
Pipe_-(427)	335.00	335.00	335.00	107.67	107.97
Pipe_-(429)	270.69	270.69	270.69	0.06	86.22
Pipe_-(43)	56.63	56.64	59.99	0.01	1.56
Pipe_-(430)	270.69	270.69	270.69	0.06	63.38
Pipe_-(431)	270.69	270.69	270.76	0.04	0.76
Pipe_-(432)	270.70	270.71	270.74	0.01	2.03
Pipe_-(433)	270.74	270.74	270.85	0.04	0.17
Pipe_-(434)	334.77	334.77	334.86	106.93	108.23
Pipe_-(435)	334.86	334.86	334.86	106.73	108.64
Pipe_-(436)	334.86	334.86	334.89	105.79	107.00
Pipe_-(437)	334.89	334.89	334.90	106.32	108.24
Pipe_-(438)	334.90	334.90	334.93	105.77	106.51
Pipe_-(439)	334.72	334.72	334.94	0.01	0.01
Pipe_-(44)	59.99	59.99	70.05	0.01	0.07
Pipe_-(443)	48.12	48.12	294.15	0.01	0.01
Pipe_-(444)	45.93	45.94	48.12	0.01	0.02
Pipe_-(445)	44.12	44.13	45.94	0.01	0.02
Pipe_-(446)	43.12	43.13	44.13	0.01	0.01
Pipe_-(447)	314.88	314.88	315.57	0.01	0.01

Pipe_-(448)	315.57	315.57	316.87	0.01	0.01
Pipe_-(449)	316.87	316.87	317.95	0.01	0.01
Pipe_-(45)	92.94	92.94	156.25	0.01	0.01
Pipe_-(450)	298.24	298.24	299.15	55.00	53.79
Pipe_-(452)	270.67	270.67	270.69	0.20	27.91
Pipe_-(453)	270.67	270.68	270.67	0.01	6.27
Pipe_-(454)	270.68	270.68	270.68	0.01	5.65
Pipe_-(455)	270.67	270.67	270.68	0.01	0.04
Pipe_-(456)	270.66	270.66	270.67	0.01	38.99
Pipe_-(460)	320.61	320.61	322.45	0.01	0.01
Pipe_-(461)	297.67	297.72	297.68	151.83	174.23
Pipe_-(462)	286.36	286.36	300.06	0.01	0.01
Pipe_-(47)	156.25	156.25	199.11	0.01	0.01
Pipe_-(49)	199.11	199.11	212.26	0.01	0.01
Pipe_-(5)	101.23	101.23	184.79	0.01	0.01
Pipe_-(50)	212.26	212.26	219.95	0.01	0.01
Pipe_-(51)	219.95	219.95	220.32	17.79	62.08
Pipe_-(52)	211.39	211.39	212.44	2.48	13.72
Pipe_-(53)	212.44	212.44	226.51	0.01	0.01
Pipe_-(54)	16.45	16.45	21.62	0.01	0.01
Pipe_-(55)	12.28	12.28	16.45	0.01	0.01
Pipe_-(56)	3.16	3.16	12.28	0.01	0.01
Pipe_-(57)	0.01	0.01	3.16	0.01	0.01
Pipe_-(6)	184.79	184.79	209.13	0.01	0.01
Pipe_-(65)	25.64	25.70	27.80	0.01	0.05
Pipe_-(66)	0.01	0.01	25.70	0.01	0.01
Pipe_-(7)	168.82	168.82	194.14	0.01	0.01
Pipe_-(74)	30.32	30.32	35.43	0.01	0.01
Pipe_-(75)	23.09	23.09	30.32	0.01	0.01
Pipe_-(76)	17.38	17.38	23.09	0.01	0.01
Pipe_-(77)	7.52	7.52	17.38	0.01	0.01
Pipe_-(78)	2.59	2.59	7.52	0.01	0.01
Pipe_-(79)	0.01	0.01	2.59	0.01	0.01
Pipe_-(8)	194.14	194.14	210.43	0.01	0.01
Pipe_-(80)	0.01	0.01	2.84	0.01	0.01
Pipe_-(81)	28.06	28.06	154.15	0.01	0.01
Pipe_-(82)	44.68	44.69	45.78	0.01	0.04
Pipe_-(83)	43.04	43.05	44.69	0.01	0.01
Pipe_-(84)	41.66	41.67	43.05	0.01	0.04
Pipe_-(85)	43.18	43.19	44.47	0.01	0.02
Pipe_-(87)	20.54	20.54	43.19	0.01	0.01
Pipe_-(88)	7.49	7.49	20.54	0.01	0.01
Pipe_-(89)	4.15	4.15	7.49	0.01	0.01
Pipe_-(9)	210.43	210.43	213.66	0.01	0.18
Pipe_-(90)	3.92	3.92	4.15	0.01	0.01
Pipe_-(91)	8.89	8.89	11.20	0.01	0.01
Pipe_-(92)	0.01	0.01	5.60	0.01	0.01
Pipe_PS_A	41.40	41.40	270.66	0.01	0.01
Pipe_PS_B	215.88	215.88	216.76	3.60	18.77
Pipe468	0.01	0.01	0.01	12.16	0.01
Pipe483	14.02	14.02	287.61	0.01	0.01
PSC_Overflow	0.01	0.01	235.25	0.01	0.01
PSC_to_Outfall	0.01	124.29	0.01	0.01	0.01

Roadside_Culvert	178.73	178.73	193.17	0.01	0.01
SU1-2_Force1	12.24	36.36	12.24	93.59	12.24
SU1-2_Force2_1	12.24	12.24	13.00	10.84	11.34
SU1-2_Force2_2	0.01	13.00	0.01	10.75	0.01
SU1-2_Force3	0.01	0.01	122.46	0.01	0.01
SU67-FM1	14.00	15.84	14.70	14.14	13.99
SU67-FM2	14.66	14.70	20.01	13.60	13.69
SU67-FM3	19.91	20.01	20.06	16.18	15.39
SU67-FM4	20.06	20.06	125.01	0.01	0.01
SU67-FM5	125.01	125.01	141.33	0.01	11.77
SU67-FM6	141.33	141.33	161.12	0.01	12.08
SU67-FM7	127.77	161.12	178.36	62.55	28.99
SU6-SU7_2	281.43	281.43	322.34	0.01	0.01

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Pumping Summary  
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				Min	Avg	Max
Total	Power	% Time Off		Flow	Flow	Flow
Volume	Usage	Percent		CFS	CFS	CFS
Pump	Kw-hr	Pump Curve				
10^6 gal		Utilized	Number of			
		Low High	Start-Ups			
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004Pump1		79.70	1	0.00	0.22	1.36
1.478	104.16	0.0 0.0				
77Pump1		32.04	10	0.00	18.83	22.28
54.418	7828.72	0.0 1.9				
77Pump2		0.00	0	0.00	0.00	0.00
0.000	0.00	0.0 0.0				
CPump1		36.25	55	0.00	6.68	6.68
21.859	2930.75	0.0 0.0				
CPump2		35.05	10	0.00	6.68	6.68
21.139	2893.83	0.0 0.0				
PumpSU7-1		18.86	11	0.00	3.43	5.57
5.788	193.60	0.0 0.0				
SU1-2_Pump		12.89	442	0.00	3.26	5.57
3.775	104.13	0.0 0.0				

Analysis begun on: Fri Aug 19 15:14:55 2022  
Analysis ended on: Fri Aug 19 15:31:40 2022  
Total elapsed time: 00:16:45