This appendix was prepared towards the development of a Drainage and Stormwater Quality Master Plan for the South Broadway Area in general accordance with the requirements in the Scope of Work provided in the contract agreement between URS and the City of Albuquerque dated November 14, 2011. The information contained in this appendix was developed using existing drawings, reports, photographs, survey, and background information furnished by the City of Albuquerque and third parties. URS is neither responsible for, nor has confirmed the accuracy of this information. URS has relied on this information, as well as professional engineering judgment based on experience with similar projects, to develop this report. Additional investigations and analyses will be required for the future design phases of any drainage infrastructure within the limits of this study.

APPENDIX B
EXISTING CONDITIONS
HYDRAULIC ANALYSIS

Addendum:

There are two directories containing SWMM models in the Supporting Data included on the DVD.

The SWMM models in the directory "SWMM" are the existing and proposed models used to develop the information contained in Appendix B and Appendix D. These models were based on an existing conditions model that was approved by Mr. John Curtin.

After the Draft report was delivered, Mr. Curtin delivered the following comments regarding the existing conditions:

- **Conduit K14451-K14461: Constructed in 1954 was eliminated when the Lead Overpass was constructed.**
- **Conduit K14462-K14461: This pipe was upsized to an 36" pipe by CPN 585193 in 2003? I have not found the "As-Built Record Drawings but I have attached the Drawings from when Lead & Coal were one project.**
- **Conduit L14571-L14562: Is a 42" pipe per CPN 483591 Sht 2.**
- **Junction L14JB3: The "As-Built" Survey was shot after the roof of the box was constructed and the street was repaved. The invert of the box is 4939.41 and the max depth is 8.9'. Unless someone volunteers to climb down into the box and measure the offsets from the floor (presuming the floor is level), I suggest that we use 4942.34 for the invert of the 48" pipes to west & 4940.87 for the invert of the CBC at the Box. These inverts were chosen after reviewing the SWS video of the Junction Box (See Profiles for Kathryn SD & William 72" SD).**

These comments were incorporated into an existing conditions model that is included in the directory "Revised SWMM". This model was included so that future work could be based on the best available information. The conclusions and alternatives evaluation of the South Broadway Drainage and Storm Water Management Plan do not change as a result of these changes to the existing conditions model. The precise details and discharge results, however, may be slightly different.

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TABLE OF CONTENTS

LIST OF FIGURES

LIST OF TABLES

ATTACHMENTS

LIST OF ACRONYMS AND ABBREVIATIONS

BN & SF	Burlington Northern & Santa Fe
COA	City of Albuquerque
DMP	1990 City of Albuquerque Drainage Management Plan
GIS	Geographic Information System
HGL	Hydraulic Grade Line
KP	Kathryn Detention Pond
LIDAR	Light Detection and Ranging
MP	Mechem Detention Pond
NAVD 88	North American Vertical Datum of 1988
NGVD 29	National Geodetic Vertical Datum of 1929
SBP	South Broadway Detention Pond
SJD	San Jose Drain
SWMM	U.S. Environmental Protection Agency Storm Water Management Model software
TIN	Triangulated Irregular Network.

B.1 INTRODUCTION

Under contract with the City of Albuquerque (COA), URS has developed a numerical model for the South Broadway existing storm drain system using the U.S. Environmental Protection Agency Storm Water Management Model (SWMM) software (version 5.0) [1]. The model was created using the 100-year, 24-hour and the 100-year, 6-hour storms. The existing storm drain system was modeled using applicable data obtained from meetings with COA staff, existing reports and studies, the COA Geographic Information System (GIS) database, construction drawings, as-built drawings, and field reconnaissance. Once the hydraulic model was created, potential problem areas within the storm drain system were identified. This report describes the methodology behind the hydraulic model of the existing conditions, specifically documenting the following:

- South Broadway Existing Hydraulic Conditions
- Hydraulic Data Collection
- Hydraulic Storm Water Management Model
- South Broadway Hydraulic Problem Areas

B.2 SOUTH BROADWAY EXISTING HYDRAULIC CONDITIONS

B.2.1 EXISTING HYDRAULIC CONDITIONS

The approximate limits of study for the South Broadway system stretch north to south from Roma Avenue to Woodward Road, and east to west from Interstate 25 to the Burlington Northern & Santa Fe (BN & SF) Railroad. The hydraulic system consists of numerous tributary storm drain lines primarily running east and west. These tributary lines collect runoff from residential neighborhoods, businesses, and open space and connect to the primary trunk lines. The trunk lines predominantly travel north and south along Broadway Boulevard and Williams Street. Trunk lines primarily route flow south where it gets channeled to the San Jose Drain (SJD). Tributary lines typically range in size from 1 to 3 feet in diameter, whereas primary trunk lines range from 3 to 6 feet in diameter. Various hydraulic structures populate the South Broadway system, including three detention basins and one pump station. The South Broadway storm system is presented in Figure B.2: South Broadway Hydraulic Layout and As-Built Modification Locations.

B.2.2 HISTORY OF FLOODING

The South Broadway System has multiple areas of concern regarding potential for flooding. Some of these include uncertainties with detention pond capacities, pump station performance, storm drain inlet capacity, pipe capacity, and flood routing capabilities. Furthermore, various areas have experienced local flooding impacting residential and business areas. Storm drain inlets and manholes have exhibited signs of excessive sediment, further impeding their capacity. During field reconnaissance dykes constructed in front of detention ponds to retain or deflect flooding were observed.

B.3 HYDRAULIC DATA COLLECTION

Data collected for the South Broadway System model was primarily acquired from the COA. Data and guidance obtained for the hydraulic model include the following:

- COA GIS Database [2],
- 1990 Drainage Management Plan (DMP) [3],
- As-built drawings, reports and studies,
- Light Detection and Ranging (LIDAR) data [4],
- Field reconnaissance, and
- Correspondence with COA personnel.

Once collected, the data was geo-rectified to a consistent horizontal and vertical datum. Each of these items is discussed in detail as follows:

B.3.1 GEO-RECTIFICATION

Prior to 1991, the National Geodetic Vertical Datum of 1929 (NGVD 29) was used as the standard vertical datum. The North American Vertical Datum of 1988 (NAVD 88) was later adopted and is the standard vertical datum typically used today.

Data sets provided by the COA for the South Broadway project area originating from 1953 to 2011 used both the NGVD 29 and the NAVD 88 datums. For this reason, URS converted all data used in the hydraulic model into NAVD 88 to ensure a consistent vertical datum.

A conversion factor for the South Broadway area was determined using Corpscon (version 5.11.08) [5]. Corpscon is a Microsoft-Windows based program provided by the U.S. Army Corps of Engineers and is used to convert from NGVD 29 to NAVD 88. The conversion factor was determined by dividing the South Broadway study area into four roughly equal sections from north to south. One manhole was randomly selected from each of the four sections and converted into NAVD 88 using the manhole northing, easting, and NGVD 29 elevation. Due to the different horizontal locations of each manhole, vertical elevation changes from NGVD 29 to NAVD 88 slightly varied for each of the four manhole locations. An average vertical elevation change of 2.665 feet was calculated for the four sections and was used as the conversion factor for the entire South Broadway system. Corpscon input and output data is presented in Table B.1: Conversion from NGVD 29 to NAVD 88.

Table B.1: Conversion from NGVD 29 to NAVD 88

COA Manhole ID	Northing (Y)	Easting (X)	Input Elevation [NGVD 29] (feet)	Output Elevation [NAVD 88] (feet)	Change in Datum Elevation (feet)
J14971	1487676.749	1522608.5	4955.60	4958.28	2.68
L14271	1480903.124	1522361.5	4959.48	4962.15	2.67
L14761	1478057.749	1521756.75	4946.77	4949.43	2.66
M14641	1473371.624	1520713.5	4928.57	4931.22	2.65
AVERAGE (FINAL CONVERSION FACTOR) =					**2.665**

B.3.2 COA GEOGRAPHIC INFORMATION SYSTEM

GIS data was provided by the COA via ArcMap shapefiles [2]. GIS data provided includes northing, easting, and elevation data for the South Broadway manholes and the existing storm drain system. Northing and easting data from the GIS was used in this study.

B.3.3 1990 DRAINAGE MANAGEMENT PLAN

The 1990 DMP [3] was provided to URS by the COA. The 1990 DMP was originally created by Bohannan-Huston, Inc. and contains the developed hydraulic conditions for the South Broadway system. The 1990 DMP also contains Plates 10 and 11, which present the South Broadway SWMM Model Schematic and the South Broadway Master Drainage Study Modeling Map, respectively. Plate 11 contains a complete list of the 1990 manholes and piping network as well as their pertinent information such as invert elevations, length, and pipe diameter. Invert elevations obtained from Plate 11 were converted from NGVD 29 to NAVD 88 as described in Section B.3.1. The 1990 DMP was the primary source of information for recreating the 1990 hydraulic model (refer to Section B.4).

B.3.4 AS-BUILT DRAWINGS, REPORTS, AND STUDIES

Various as-built drawings, reports, and studies were provided by the COA. These provide a record of changes that have occurred to the hydraulic system between 1990 and the present. Three of the most significant changes to the hydraulic system include the additions of the South Broadway Detention Pond (SBP) [6], Kathryn Detention Pond (KP) [7], and Mechem Detention Pond (MP) [8]. Other changes include modifications to the hydraulic pipe network and its pertinent features. The 1990 model of the hydraulic system (refer to Section B.4) was updated using these as-built drawings, reports, and studies. This created an approximation of present day existing hydraulic conditions of the South Broadway System (refer to Section B.4.3). Prior to updating the hydraulic model, various as-built drawings were converted from NGVD 29 to NAVD 88 as described in Section B.3.1. A complete list of as-built drawings, reports, and studies is presented in Section B.6.4. Figure ***B.2: South Broadway Hydraulic Layout and As-Built***

Modification Locations B.2 depicts the hydraulic layout along with areas updated using as-built drawings, reports, and studies.

B.3.5 LIDAR DATA

LIDAR data was obtained from the Bernalillo County Public Works Office [4]. The LIDAR data contains northings, eastings, and elevations of the existing surface for the South Broadway area. LIDAR data for this area was used to create a triangulated irregular network (TIN) using ArcGIS software [9]. The TIN was used to obtain rim elevations for the existing manholes located within the South Broadway Area.

B.3.6 FIELD RECONNAISSANCE

Various field reconnaissance trips were conducted for visual confirmation of uncertain hydraulic conditions. Numerous instances occurred where GIS data, as-built drawings, reports, or other sources of data did not contain crucial information, or provided conflicting data that could only be resolved by visual confirmation.

B.3.7 CORRESPONDENCE WITH CITY OF ALBUQUERQUE PERSONNEL

Correspondence via phone, email, and meetings was conducted with the COA to obtain existing conditions data and guidance which was used to create the existing conditions hydraulic model in SWMM [1]. Guidance was received from the COA for various areas throughout the South Broadway limits of study that had missing, incomplete, or conflicting data. The most significant areas are as follows:

- The COA confirmed there is an existing 72-inch storm drain that runs south along William Street from Thaxton Avenue to the junction box located south of San Jose Avenue. It is assumed that this storm drain is intact and in working condition.
- The COA confirmed the existing orientation of orifices located at the Simms & RR, Broadway Bouldvard & Thaxton Avenue, William Street and Kathryn Avenue, and Broadway Boulevard and Kathryn Avenue interactions.
- The COA confirmed the storm drain orientation at the Broadway Boulevard and Kathryn Avenue intersection.
- The COA provided a pipe diameter of 4 feet for the Broadway Boulevard trunk line between Marquette Avenue and Martin Luther King Avenue.

B.4 STORM WATER MANAGEMENT MODEL

SWMM [1] is a dynamic rainfall-runoff simulation model used for single event or long-term simulation of runoff quantity and quality. Within the model, the runoff behavior through pipes, channels, storage/treatment devices, pumps, and regulators is simulated. SWMM is widely used for planning, analysis and design of storm drains, combined sewers, sanitary sewers, and other drainage systems primarily in urban areas. URS was tasked with using SWMM to:

- Recreate the 1990 SWMM using information contained within the DMP [3], and

- Update the recreated 1990 SWMM to represent existing conditions using information provided by the COA.

These conditions are to be modeled using the 100-year, 24-hour and the 100-year, 6-hour storms. A discussion of SWMM hydraulic input requirements are as follows.

B.4.1 SWMM HYDRAULIC INPUT REQUIREMENTS

The following is a list of the primary hydraulic elements and their input parameters within SWMM [1] required to create and run the hydraulic model. Hydrologic elements and their input requirements are discussed in Appendix A.

1. Junctions – Points of conveyance within SWMM that connect conduits together. Junctions are used to model manholes, fittings, inlets, outfalls, etc. Junctions are points where external inflows and outflows may enter or leave the system. The principal input parameters for junctions are as follows:
    a. Invert elevation
    b. Height to ground surface
    c. Ponded surface area when flooded (optional)
    d. External inflow data (optional)
2. Conduits – Components within SWMM that are used for flow conveyance. Conduits are typically modeled as pipes or open channels that move water from one junction to another within the conveyance system. The principal input parameters for conduits are as follows:
    a. Names of the inlet and outlet nodes
    b. Offset depth or elevation of the conduit above the inlet and out node inverts
    c. Conduit length
    d. Manning's "n" roughness coefficient – a typical value of 0.013 was used
    e. Cross-sectional geometry
    f. Entrance/exit losses – a typical value of 0.025was used
    g. Presence of a flap gate to prevent reverse flow
    h. Inlet geometry code number if conduit acts as a culvert
3. Outfalls – The terminal nodes of the drainage system that define the final downstream boundaries of the system. The principal input parameters for outfalls are as follows:
    a. Invert elevation
    b. Boundary condition type and stage description
    c. Presence of flap gate to prevent backflow through the outfall
4. Storage Units – Provide storage volume within the model. Storage units typically represent detention ponds and catch basins. Volumetric properties of a storage unit are described using

tabular data populated with area versus height data. The principal input parameters for storage units are as follows:

a. Invert elevations
b. Maximum depth
c. Depth-surface area data
d. Green-Ampt infiltration parameters (optional)
e. Ponded surface area when flooded (optional)
f. External inflow data (optional)

5. Pumps – Used to lift water to higher elevations. Pumps are characterized using pump curves that describe the relationship between a pump's flow rate and conditions at the inlet and outlet nodes. The principal input parameters for pumps are as follows:

a. Type of pump curve – a type 4 pump was used (refer to Section B.4.3.6)
b. Inlet and outlet nodes
c. Initial on/off status
d. Startup and shutoff depths

6. Orifice – Used to model outlet and diversion structures within the model. These typically represent openings in the wall of a manhole, storage facility, control gate, and storage unit outlets. The principal input parameters for orifice are as follows:

a. Names of inlet and outlet nodes
b. Configuration – a bottom or side orientation was used depending on orifice configuration
c. Shape
d. Height above the inlet node invert
e. Discharge coefficient – a typical value of 0.65 was used
f. Time to open or close

B.4.2 1990 SWMM HYDRAULIC MODEL

Using hydraulic data collected as described in Section B.3, a model of the 1990 hydraulic conditions was recreated using SWMM. The following describes the process of recreating the 1990 SWMM hydraulic model.

Manhole horizontal locations residing within the limits of the South Broadway system were identified using the COA GIS data collected as described in Section B.3.2. Manholes were positioned within SWMM using the northing and easting of each known location. The manholes were identified within SWMM using the same naming convention outlined in the 1990 DMP when possible. Invert elevations are assigned to manholes using the elevations provided in Plate 11 of the 1990 DMP (refer to Attachment B.1: 1990 DMP Plate Information Provided in NAVD

88). These elevations have been converted into NAVD 88 as described in Section B.3.1. Manhole rim elevations were obtained from the TIN per Section B.3.5 and inserted into SWMM.

Storm drain properties residing within the limits of the South Broadway Sector are provided in Plate 11 of the 1990 DMP (refer to Attachment B.1: 1990 DMP Plate Information Provided in NAVD 88). The 1990 DMP provides upstream and downstream invert elevations, pipe diameter, and length of the 1990 storm drain system. The storm drain was positioned within SWMM using the upstream and downstream manhole locations previously described.

Because hydraulic problem areas within the South Broadway system needed to be identified, it was decided to use all of the manholes located in the 1990 DMP Plate 11 (refer to Attachment B.1: 1990 DMP Plate Information Provided in NAVD 88). This differs from the 1990 DMP, which only modeled a select few manholes at specific locations. By including all of the known manholes, a more detailed representation of the 1990 South Broadway hydraulic system was produced.

B.4.3 EXISTING CONDITIONS SWMM HYDRAULIC MODEL

Once a model of the 1990 hydraulic system was recreated in SWMM, updates were applied to represent the existing conditions of the South Broadway System. The following is a brief discussion of the major areas updated within the SWMM hydraulic model. Updated areas are presented in Figure B.2: South Broadway Hydraulic Layout and As-Built Modification Locations.

B.4.3.1 South Broadway Detention Pond

The SBP and surrounding area was updated using the 1995 South Broadway Detention Basin as-built drawings [6]. Changes incorporated into SWMM included the addition of the SBP and modifications to the storm drain system at specific areas along Commercial Street, William Street, Pacific Avenue, and Broadway Boulevard.

B.4.3.2 Pacific Avenue Storm Drain

Modifications to the Pacific Avenue and surrounding area storm drain system were updated using the 1997 Pacific Avenue Storm Drain as-built drawings [10]. Modifications within SWMM include updates to storm drain system along Pacific Avenue, Walter Street, and Cromwell Avenue.

B.4.3.3 Kathryn Avenue Detention Pond

The KP and surrounding area was updated using the 2003 Kathryn Avenue Storm Drain and Detention Basin as-built drawings [7]. Changes incorporated into SWMM included the addition of the KP as well as modifications to the storm drain system at specific areas along William Street, John Street, and Broadway Boulevard. Field reconnaissance was required to confirm the storm drain pipe alignment at the Broadway Boulevard and Kathryn Avenue intersection. The Kathryn Avenue as-built drawings also include orifice plate details which were to be installed at three locations. Exact orifice orientation and detail were discussed with the COA to ensure an accurate representation within SWMM. The following are the location and existing condition of each of the three orifices.

- Inside the manhole at the intersection of Broadway Boulevard and Thaxton Avenue, the orifice plate has been removed and was not included in SWMM.
- Inside the manhole in Smith Avenue downstream of the detention basin, the orifice plate has been removed and was not included in SWMM.
- Inside the junction box at the intersection of William Street and Kathryn Avenue, the orifice plate currently exists and has been included in SWMM.

B.4.3.4 Mechem Street Detention Pond

The MP and surrounding area was updated using the 2011 Mechem Storm Drain and Detention Basin as-built drawings [8]. Changes incorporated into SWMM included the addition of the MP as well as modifications to the storm drain system at specific areas along Broadway Boulevard and Mechem Street.

B.4.3.5 South Broadway Industrial Center

The South Broadway Industrial Center was incorporated into SWMM using the 1997 Broadway Industrial Center Drainage Report [11]. A portion of the site flow from watersheds SJH-700_A, SJH-700A_1A, SJH-700B, SJH-700B_1A, and SJH-700C was attenuated using storage unit elements within SWMM software. These watersheds can be viewed in Figure B.3.

B.4.3.6 Commercial Street and Bell Avenue Pump Station

The Commercial Street and Bell Avenue pump station is primarily used to pump storm water that is discharged from the SBP and collected between the SBP and Bell Avenue, to the Broadway Boulevard/Bell Avenue intersection. The pumped water reenters the gravity storm sewer system at this point. The Commercial Street and Bell Avenue pump station was programmed in SWMM based on the 1977 Commercial at Bell Pump Station as-built drawings [12], information obtained in meetings with the COA, field reconnaissance, and engineering judgment. As-built drawings provided the general layout and elevations which are converted into NAVD 88 as described in Section B.3.1. Information obtained from field reconnaissance included the pump models of replacement pumps #2 and #3 as well as pumping operational procedures. There are currently one variable speed vertical turbine and two submersible pumps in the pump station as well as a small sump pump in the pump station.

When SWMM was programmed to model each pump as a separate pumping element, SWMM was unstable. This is a result of SWMM turning the pumps on and off instantaneously at set elevation points in the wet well in accordance with the pump station operation procedures. The pumps actually take time to engage and shut down. A single performance curve was developed to represent the performance of the pump station as a single unit. This performance curve is shown in Figure B.1.

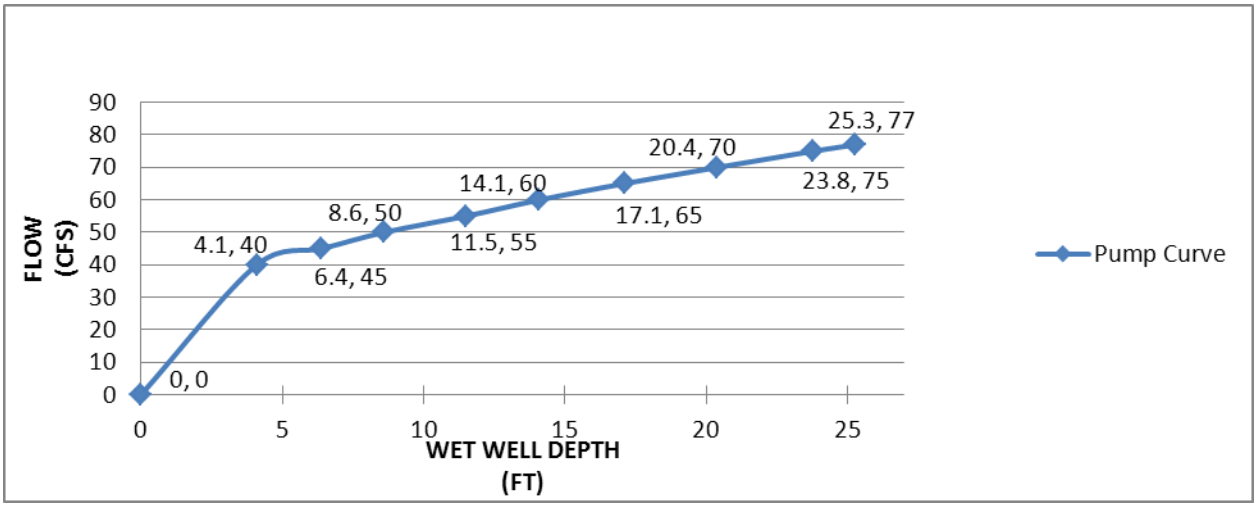

Figure B.1: Commercial and Bell Pump Station Combined Pump Curve

B.5 MODEL COMPARISON

Peak discharge rates were compared at select locations between the updated existing conditions SWMM hydraulic model and the results published in Table 3 of the 1990 DMP for the 100-year, 6-hour event. Results generally differ between the two models due to the updates and increased level of detail incorporated into the existing conditions SWMM hydraulic model as described in Sections B.4.2 and B.4.3. The peak discharge is generally lower for existing conditions due to the construction of detention ponds throughout the watershed. A comparison of the 1990 DMP and the existing conditions SWMM hydraulic model results are displayed in Table B.2.

Table B.2: Comparison of 1990 DMP and Updated Existing Model Peak Discharges

1990 DMP Analysis Point	Existing SWMM Analysis Point	Location	Diameter (inch)	1990 Model Peak Discharge (cubic feet per second)	Existing SWMM Peak Discharge (cubic feet per second)
K14271	K14271	Broadway and Central	60	235	135
K14761	K14761	Broadway and Hazeldine	72	244	332
L14JB2	L14JB2	Broadway and Bell	72	343	71
L14562	L14562	Broadway and Kathryn	60	80	131
M14261	M14261	Broadway and Alamo	54	292	0
M14251	M14251	Alamo & Maria Ct.	72	239	50
L14346	L14346	William and Trumbull	72	203	108

Table B.2 Comparison of 1990 DMP and Updated Existing Model Peak Discharges (Cont.)

1990 DMP Analysis Point	Existing SWMM Analysis Point	Location	Diameter (inch)	1990 Model Peak Discharge (cubic feet per second)	Existing SWMM Peak Discharge (cubic feet per second)
L14744C	L1474C	William and Thaxton	72 / 36	203	108

M14521	M14521	Williams N. of Woodward	36	12	9
LIMITS	Outlet	San Jose Drain at City Limits	TRAP	890	430

B.6 SOUTH BROADWAY HYDRAULIC PROBLEM AREAS

Once the existing hydraulic conditions were modeled in SWMM, the South Broadway study area was analyzed for potential problems. The following problem areas were identified for the South Broadway System:

- Flooding/pressurized manholes,
- Overtopping detention ponds,
- Insufficient pipe capacity, and
- Floodwater leaving the South Broadway System.

Hydraulic Problem areas are presented in Figure B.4.

B.6.1 FLOODING/PRESSURIZED MANHOLES

SWMM results identified various manholes that flood during 100-year, 24-hour and the 100-year, 6-hour storms. Each manhole was individually evaluated to determine the cause for flooding. The three primary causes for flooding are as follows:

- The hydraulic grade line exceeded manhole capacity,
- The manhole was located in a street sump, and
- Insufficient pipe capacity (refer to Section B.6.3).

In order to prevent manhole floodwater from being lost from the hydraulic model and simulate realistic conditions, manhole overflow was either modeled as street flow or as a ponded area to attenuate flow. Typically, floodwater was routed through the street at manholes that were not located in a sump and flooded due to the hydraulic grade line exceeding the manhole capacity or had insufficient pipe capacity. Street flow was routed to the next available downstream manhole where capacity was available using an open channel with a typical cross section and characteristics of the applicable area. It is important to note that flooding manholes no longer appear in SWMM results once their overflow is routed as street flow.

Manholes that flooded due to being located in a street sump or had minor flooding (duration less than 0.02 hours) received a ponded area. This ponded area retained overflow above the flooding manhole until the manhole was no longer surcharging. Once the surcharging of the manhole ceased, the ponded overflow returned back into the hydraulic system. Flooding manholes with ponded areas can be viewed in SWMM results located in Attachment B.2: 100-Year, 24-Hour and 100-Year, 6-Hour SWMM Data.

B.6.2 FLOODING DETENTION BASINS

SWMM results reveal that the South Broadway, Kathryn, and Mechem detention ponds experience flooding during the 100 year-24 hour and the 100 year-6 hour storms. Table B.3: 100-

Year, 24-Hour Detention Pond Flooding and Table B.4: 100-Year, 6-Hour Detention Pond Flooding present the flooding characteristics for each of the three detention ponds.

Table B.3: 100-Year, 24-Hour Detention Pond Flooding

Detention Pond	Total Inflow (acre-feet)	Total Outflow (acre-feet)	Full Pond Capacity (acre-feet)	Flooding (acre-feet)
South Broadway	55.9	47.7	26.9	4.6
Kathryn	14.9	8.8	6.6	2.9
Mechem	24.3	16.1	5.6	8.1

Table B.4: 100-Year, 6-Hour Detention Pond Flooding

Detention Pond	Total Inflow (acre-feet)	Total Outflow (acre-feet)	Full Pond Capacity (acre-feet)	Flooding (acre-feet)
South Broadway	44.4	42.4	26.9	2.0
Kathryn	12.1	7.8	6.6	1.2
Mechem	19.1	12.3	5.6	6.7

B.6.3 INSUFFICIENT PIPE CAPACITY

When creating a hydraulic model using SWMM [1], watersheds are typically subdivided based on topography and the storm drain system. Ideally, each sub-watershed will contribute flow to one tributary line which routes flow to the primary trunk lines. However, the COA requested that URS maintain watershed boundaries consistent with the 1990 DMP, which did not analyze tributary lines. Even though analysis of the tributaries was not included in the scope of work, URS felt that the significant size of the tributary watersheds warranted a minimum level of analysis to identify areas compelling further future study. Tributary storm drain lines contained within each watershed are presented in Figure B.3.

For watersheds with multiple tributaries, the hydraulic model was developed such that the flow for the entire watershed was typically added to the largest tributary. If the tributary did not have the capacity for the flow from the entire watershed, then the capacity of the tributaries was further approximated using FlowMaster [13]. The full-flow capacity was calculated for an equivalent cross-section of pipe representing all the tributaries within the watershed. This equivalent pipe section was developed based on the cumulative pipe cross-sectional area and a representative pipe slope.

The equivalent pipe capacity was then compared to the watershed peak runoff flows for the 100-year, 24-hour and 100-year, 6-hour storms. Most areas within a watershed lacking sufficient capacity were located on the east side of the South Broadway study limits next to Interstate 25. Many of these areas received flow from multiple watersheds including watersheds located east of Interstate 25. Flooding caused by insufficient pipe capacity was routed as street flow or as a ponded area per section B.6.1. Watersheds that contain tributary storm drain lines that do not

have the capacity to route the 100-year, 24-hour and 100-year, 6-hour storms are presented in Tables B.5 and B.6, respectively.

Table B.5: Watersheds with Insufficient Pipe Capacity for the 100-Year, 24-Hour Storm

Conduit Network	Contributing Watershed ID(s)	Conduit Within Watershed Diameter (feet)	Equivalent Conduit Area (square feet)	Equivalent Conduit Size (feet)*	Network Equivalent Capacity (cubic feet per second)	Peak Flow Requirement (cubic feet per second)
SJH-102	SJH-102, SJH102_2A	1.5 1.25	2.99	1.95	28	286
SJ-1	SJ-1	1.0 1.0 1.0	2.36	1.73	7	103
SJH-106	SJH-106, SJH-106_1A	2.5 2.0	8.05	3.2	118	206
SJH-100	SJH-100, SJH-100_1A, SJH-100_2A, SJH-100_3A, SJH-100_4A, SJH-100_5A, SJH-100_6A, SJH-102_1A	2.5 4.0	17.48	4.72	387	437
SJH-152	SJH-152, SJH-152_1A	2.5 1.0 1.25	6.92	2.97	119	188
SJ-150	SJH-150, SJH-150_1A, SJH-150_2A	3 2.5	11.98	3.91	140	154

* Values used in FlowMaster [13]

Table B.6: Watersheds with Insufficient Pipe Capacity for the 100-Year, 6-Hour Storm

Conduit Network	Contributing Watershed ID(s)	Conduit Within Watershed Diameter (feet)	Equivalent Conduit Area (square feet)	Equivalent Conduit Size (feet)*	Network Equivalent Capacity (cubic feet per second)	Peak Flow Requirement (cubic feet per second)
SJH-102	SJH-102, SJH102_2A	1.5 1.25	2.99	1.95	28	257
SJ-1	SJ-1	1.0 1.0 1.0	2.36	1.73	7	88
SJH-106	SJH-106, SJH-106_1A	2.5 2.0	8.05	3.2	118	177
SJH-100	SJH-100, SJH-100_1A, SJH-100_2A, SJH-100_3A, SJH-100_4A, SJH-100_5A, SJH-100_6A, SJH-102_1A	2.5 4.0	17.48	4.72	387	408
SJH-152	SJH-152, SJH-152_1A	2.5 1.0 1.25	6.92	2.97	119	163

B.6.4 FLOODWATER LEAVING THE SOUTH BROADWAY SYSTEM

Due to the topography, floodwater in the northern part of the South Broadway System is expected to be conveyed through the street out of the limits of study during the 100-year, 24-hour and the 100-year, 6-hour events. The existing conditions SWMM [1] results identify floodwater generated in the northern part of the South Broadway System that is not captured within the storm sewer will likely be channeled north within the street along Broadway Boulevard. Other streets in the general vicinity that were not modeled within SWMM are also expected to convey water north. SWMM results indicate the floodwater volume conveyed to the north for the 24-hour and the 6-hour events to be 10.9 and 9.2 acre-feet respectively. Topographic information indicates that the Broadway Boulevard/Lomas Boulevard intersection and surrounding area is located within a large sump, which is where the northern floodwater is expected to pond. Significant flood damage is expected to occur at this location. Because the floodwater is not within the South Broadway limits of study, the effects of the floodwater leaving the project area were not further evaluated.

B.7 REFERENCES

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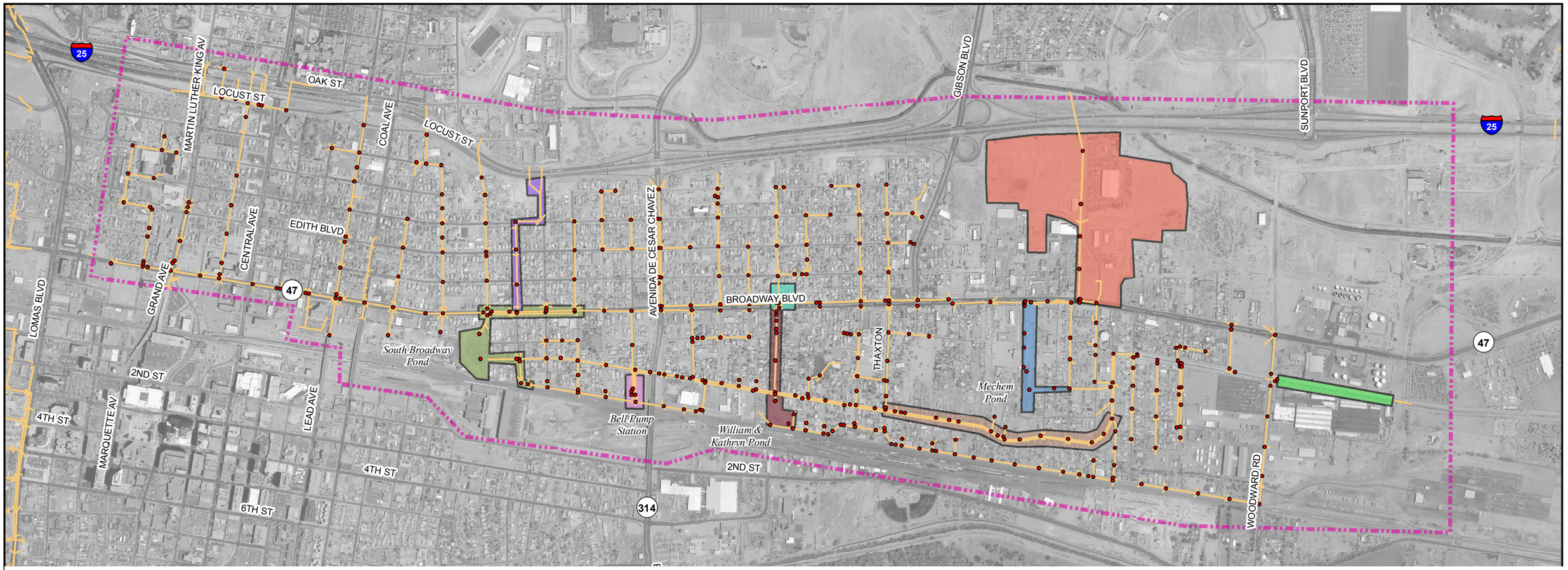
FIGURES



Legend

- Major Road
- 2012 Existing Manholes
- Storm Drain Pipes

As-Built Resource

Project

- 1995 South Broadway Detention Basin
- 1997 Pacific Avenue Storm Drain
- 2003 Kathryn Avenue Storm Drain and Detention Basin
- 2011 Mechem Storm Drain and Detention Basin
- 1979 San Jose Drain Improvements
- 1997 Drainage Report for Broadway Industrial Center
- 1971 Commercial at Bell Pump Station & Guidance from COA
- Field Reconnaissance
- COA Guidance & GIS Shape Files
- Project Limits
- Pond

Not to Scale

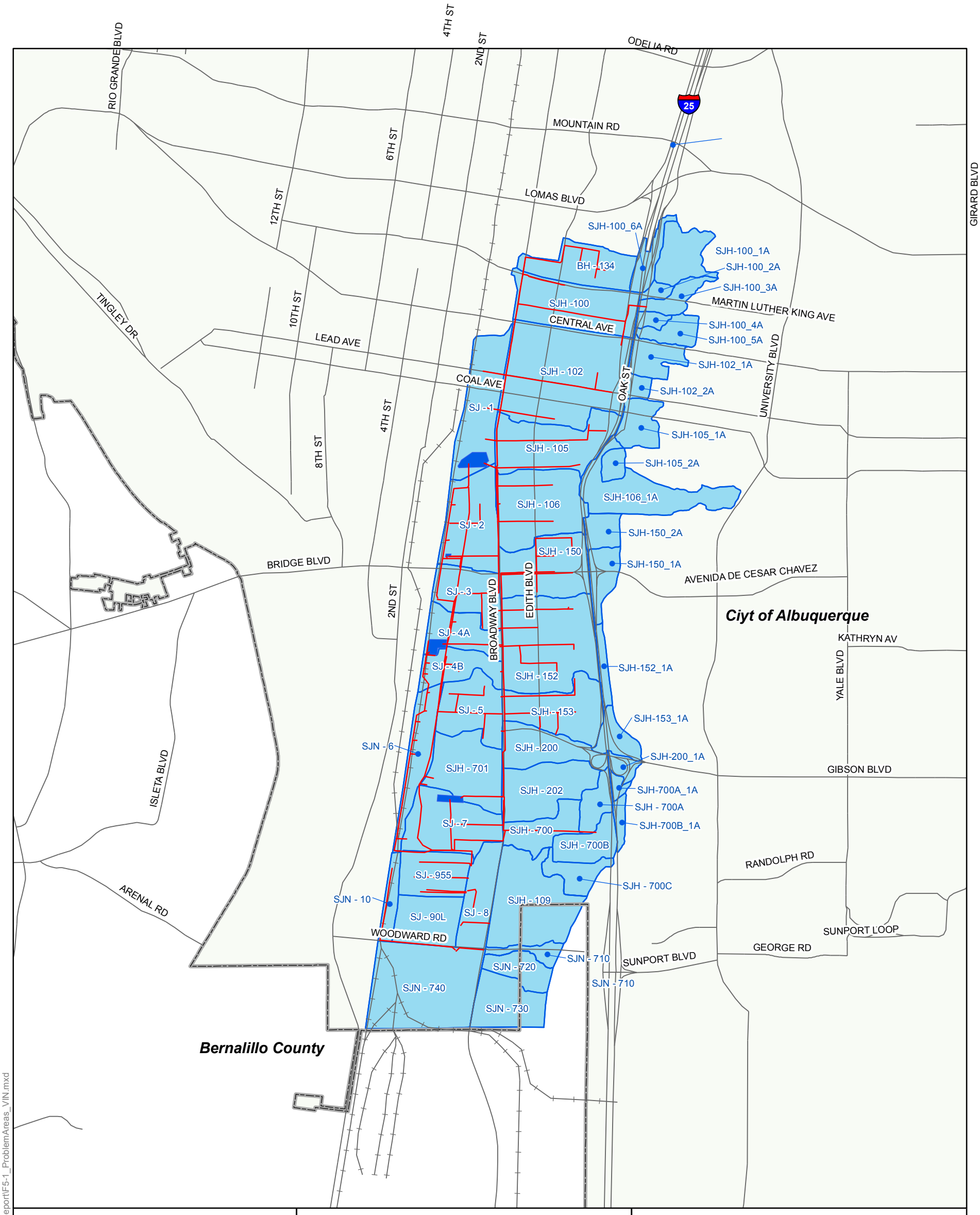
N

South Broadway Hydraulic Layout and As-Built Modification Locations

South Broadway Drainage and Storm Water Quality Management Plan

Figure B.2	Page B.17

URS



N

0 1,000 2,000 Feet

1 : 24,000 or 1 inch = 2,000 Feet

Legend

- Storm Drain Conduit
- Watershed
- Major Road
- Railroad
- City Boundary
- Pond

Watershed Delineation Map With Hydraulic System

South Broadway Drainage and Storm Water Quality Management Plan

Figure B.3	Page B.18

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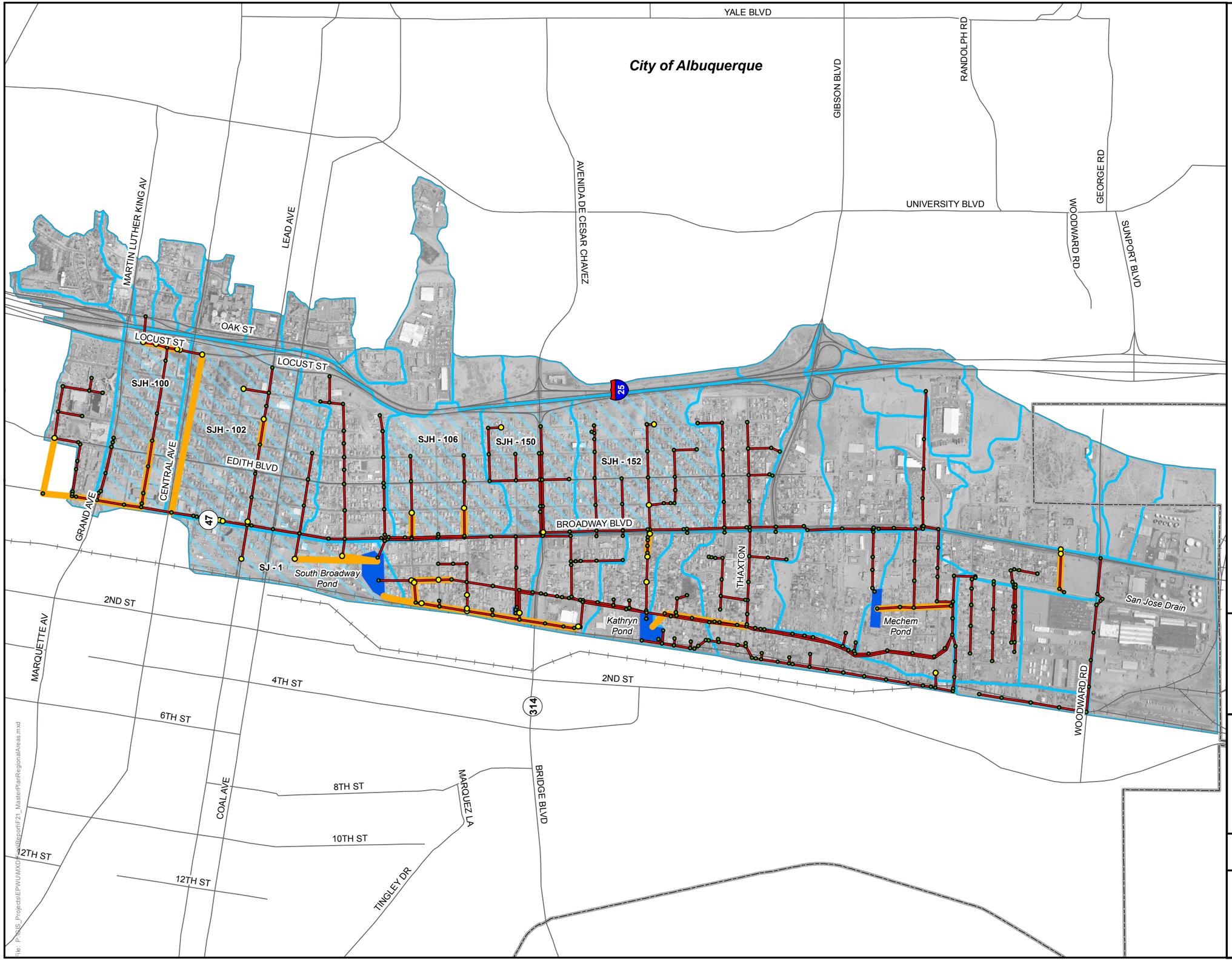

Legend

- Flooded Manholes
- Insufficient Pipe Capacity
- Flooded Street Flow
- SWMM Manholes
- SWMM Pipe
- Major Road
- Railroad
- City Boundary
- Pond
- Watershed

Not to Scale

South Broadway Hydraulic Problem Areas

South Broadway Drainage and Storm Water Quality Management Plan

Figure B.4 | Page B.19

URS

1990 DMP DATA

Attachment B.1: 1990 DMP Plate Information Provided in NAVD 88

NAVD-88								
ZONE ATLAS	MANHOLE # UP STRM	INVERT	MANHOLE # DN. STRM	INVERT	LENGTH (FT.)	DIA (IN.)	DIA (FT.)	SLOPE
J14S	994	4972.97	993	4962.09	305	24	2	0.035672
J14S	993	4962.09	K14N/84	4961.09	329	48	4	0.00304
J14S	971	4958.81	K14N/71	4958.27	360	36	3	0.0015
J15S	903	4983.71	J14S/994	4972.97	358	15	1	0.03
K14N	91	4983.26	J14S/994	4972.97	322	24	2	0.031957
K14N	993	4962.09	84	4961.09	329	48	4	0.00304
K14N	84	4961.09	83	4960.99	24	48	4	0.004167
K14N	83	4960.99	82	4960.34	230	48	4	0.002826
K14N	82	4960.34	81	4960.05	105	48	4	0.002762
K14N	81	4960.05	73	4959.17	315	48	4	0.002794
K14N	73	4959.17	72	4958.47	39	48	4	0.017949
K14N	72	4958.47	71	4958.27	15	48	4	0.013333
K14N	71	4958.27	74	4957.96	60	36	3	0.005167
K14N	74	4957.96	75	4957.58	303	48	4	0.001254
K14N	191	4985.67	182	4984.13	50	24	2	0.0308
K14N	182	4984.13	181	4982.11	65	24	2	0.031077
K14N	181	4975.18	85	4966.76	279	30	3	0.030179
K14N	85	4966.76	77	4960.18	296	30	3	0.02223
K14N	77	4960.18	76	4959.46	32	30	3	0.0225
K14N	76	4959.46	75	4957.67	53	30	3	0.033774
K14N	75	4957.58	171	4957.04	360	48	4	0.0015
K14N	171	4957.04	172	4956.70	230	48	4	0.001478
K14N	172	4956.70	271	4956.06	439	60	5	0.001458
K14N	271	4956.06	371	4955.52	310	60	5	0.001742
K14N	371	4955.52	372	4955.47	30	60	5	0.001667
K14N	372	4955.47	373	4955.41	40	60	5	0.0015
K14N	373	4955.41	361	4955.03	300	60	5	0.001267
K14N	361	4955.03	362	4954.95	40	60	5	0.002
K14N	362	4954.95	461	4954.31	320	60	5	0.002
K14N	461	4954.31	K14S/463	4954.22	350	60	5	0.000257
K14N	291	5000.53	281	4990.00	360	4x4CBC	#VALUE!	0.02925
K14N	281	4990.00	183	4978.72	360	4x4CBC	#VALUE!	0.031333
K14N	183	4978.72	174	4968.08	365	4x4CBC	#VALUE!	0.029151
K14N	174	4968.08	173	4963.53	145	4x4CBC	#VALUE!	0.031379
K14N	173	4963.53	172	4961.73	60	4x4CBC	#VALUE!	0.03
K14N	592	5004.14	591	5000.52	181	15	1	0.02
K14N	591	4994.72	483	4987.52	360	15	1	0.02
K14N	483	4985.28	482	4979.52	360	18	2	0.016
K14N	482	4977.28	481	4976.64	40	18	2	0.016
K14N	481	4976.64	471	4971.52	360	18	2	0.014222
K14N	471	4968.71	462	4963.43	330	18	2	0.016
K14N	462	4963.43	461	4962.62	45	18	2	0.018
K14N	451	4959.68	461	4958.24	350	12	1	0.004114
K14S	951	4944.67	952	4943.26	352	24	2	0.004006

NGVD-29							
ZONE ATLAS	MANHOLE # UP STRM	INVERT	MANHOLE # DN. STRM	INVERT	LENGTH (FT.)	DIA (IN.)	SLOPE
J14S	994	4970.30	993	4959.42	305	24	0.035672
J14S	993	4959.42	K14N/84	4958.42	329	48	0.00304
J14S	971	4956.14	K14N/71	4955.60	360	36	0.0015
J15S	903	4981.04	J14S/994	4970.30	358	15	0.03
K14N	91	4980.59	J14S/994	4970.30	322	24	0.031957
K14N	993	4959.42	84	4958.42	329	48	0.00304
K14N	84	4958.42	83	4958.32	24	48	0.004167
K14N	83	4958.32	82	4957.67	230	48	0.002826
K14N	82	4957.67	81	4957.38	105	48	0.002762
K14N	81	4957.38	73	4956.50	315	48	0.002794
K14N	73	4956.50	72	4955.80	39	48	0.017949
K14N	72	4955.80	71	4955.60	15	48	0.013333
K14N	71	4955.60	74	4955.29	60	36	0.005167
K14N	74	4955.29	75	4954.91	303	48	0.001254
K14N	191	4983.00	182	4981.46	50	24	0.0308
K14N	182	4981.46	181	4979.44	65	24	0.031077
K14N	181	4972.51	85	4964.09	279	30	0.030179
K14N	85	4964.09	77	4957.51	296	30	0.02223
K14N	77	4957.51	76	4956.79	32	30	0.0225
K14N	76	4956.79	75	4955.00	53	30	0.033774
K14N	75	4954.91	171	4954.37	360	48	0.0015
K14N	171	4954.37	172	4954.03	230	48	0.001478
K14N	172	4954.03	271	4953.39	439	60	0.001458
K14N	271	4953.39	371	4952.85	310	60	0.001742
K14N	371	4952.85	372	4952.80	30	60	0.001667
K14N	372	4952.80	373	4952.74	40	60	0.0015
K14N	373	4952.74	361	4952.36	300	60	0.001267
K14N	361	4952.36	362	4952.28	40	60	0.002
K14N	362	4952.28	461	4951.64	320	60	0.002
K14N	461	4951.64	K14S/463	4951.55	350	60	0.000257
K14N	291	4997.86	281	4987.33	360	4x4CBC	0.02925
K14N	281	4987.33	183	4976.05	360	4x4CBC	0.031333
K14N	183	4976.05	174	4965.41	365	4x4CBC	0.029151
K14N	174	4965.41	173	4960.86	145	4x4CBC	0.031379
K14N	173	4960.86	172	4959.06	60	4x4CBC	0.03
K14N	592	5001.47	591	4997.85	181	15	0.02
K14N	591	4992.05	483	4984.85	360	15	0.02
K14N	483	4982.61	482	4976.85	360	18	0.016
K14N	482	4974.61	481	4973.97	40	18	0.016
K14N	481	4973.97	471	4968.85	360	18	0.014222
K14N	471	4966.04	462	4960.76	330	18	0.016
K14N	462	4960.76	461	4959.95	45	18	0.018
K14N	451	4957.01	461	4955.57	350	12	0.004114
K14S	951	4942.00	952	4940.59	352	24	0.004006

K14S	952	4943.26	52	4942.59	174	24	2	0.003851	K14S	952	4940.59	52	4939.92	174	24	0.003851
K14S	52	4941.59	L14N/55	4940.42	215	30	3	0.005442	K14S	52	4938.92	L14N/55	4937.75	215	30	0.005442
K14S	681	4992.92	672	4987.52	360	12	1	0.015	K14S	681	4990.25	672	4984.85	360	12	0.015
K14S	672	4982.92	671	4977.52	360	12	1	0.015	K14S	672	4980.25	671	4974.85	360	12	0.015
K14S	671	4971.30	661	4965.52	386	15	1	0.014974	K14S	671	4968.63	661	4962.85	386	15	0.014974
K14S	792	4993.47	783	4990.77	180	48	4	0.015	K14S	792	4990.80	783	4988.10	180	48	0.015
K14S	783	4990.77	782	4988.07	180	48	4	0.015	K14S	783	4988.10	782	4985.40	180	48	0.015
K14S	782	4984.07	781	4981.37	180	48	4	0.015	K14S	782	4981.40	781	4978.70	180	48	0.015
K14S	781	4981.37	772	4978.67	180	48	4	0.015	K14S	781	4978.70	772	4976.00	180	48	0.015
K14S	772	4976.98	771	4971.52	364	48	4	0.015	K14S	772	4974.31	771	4968.85	364	48	0.015
K14S	771	4966.52	761	4960.52	387	48	4	0.015504	K14S	771	4963.85	761	4957.85	387	48	0.015504
K14S	882	4977.50	875	4969.98	360	15	1	0.020889	K14S	882	4974.83	875	4967.31	360	15	0.020889
K14S	875	4969.98	874	4962.45	360	15	1	0.020917	K14S	875	4967.31	874	4959.78	360	15	0.020917
K14S	874	4962.45	864	4953.52	400	18	2	0.022325	K14S	874	4959.78	864	4950.85	400	18	0.022325
K14S	461	4954.31	463	4954.22	50	60	5	0.0018	K14S	461	4951.64	463	4951.55	50	60	0.0018
K14S	463	4954.22	563	4953.65	300	60	5	0.0019	K14S	463	4951.55	563	4950.98	300	60	0.0019
K14S	563	4953.65	661	4952.91	371	60	5	0.001995	K14S	563	4950.98	661	4950.24	371	60	0.001995
K14S	661	4952.91	662	4952.15	382	60	5	0.00199	K14S	661	4950.24	662	4949.48	382	60	0.00199
K14S	662	4952.15	761	4951.66	245	72	6	0.002	K14S	662	4949.48	761	4948.99	245	72	0.002
K14S	761	4951.66	861	4951.10	545	72	6	0.001028	K14S	761	4948.99	861	4948.43	545	72	0.001028
K14S	861	4951.10	864	4950.36	360	72	6	0.002056	K14S	861	4948.43	864	4947.69	360	72	0.002056
K14S	864	4950.36	961	4949.80	350	72	6	0.0016	K14S	864	4947.69	961	4947.13	350	72	0.0016
K14S	961	4949.80	L14N/S61	4949.21	370	72	6	0.001595	K14S	961	4947.13	L14N/S61	4946.54	370	72	0.001595
K14S	221	5002.74	892	4999.58	115	30	3	0.027478	K14S	221	5000.07	892	4996.91	115	30	0.027478
K14S	892	4999.58	891	4993.48	216	30	3	0.028241	K14S	892	4996.91	891	4990.81	216	30	0.028241
K14S	891	4993.48	881	4983.35	361	30	3	0.028061	K14S	891	4990.81	881	4980.68	361	30	0.028061
K14S	881	4983.35	873	4974.92	358	30	3	0.023547	K14S	881	4980.68	873	4972.25	358	30	0.023547
K14S	873	4971.97	872	4971.17	53	30	3	0.015094	K14S	873	4969.30	872	4968.50	53	30	0.015094
K14S	872	4971.17	871	4966.57	307	30	3	0.014984	K14S	872	4968.50	871	4963.90	307	30	0.014984
K14S	871	4963.07	862	4957.27	340	30	3	0.017059	K14S	871	4960.40	862	4954.60	340	30	0.017059
K14S	862	4956.52	861	4955.87	40	30	3	0.01625	K14S	862	4953.85	861	4953.20	40	30	0.01625
K14S	941	4942.67	942	4941.73	235	24	2	0.004	K14S	941	4940.00	942	4939.06	235	24	0.004
K14S	943	4943.67	942	4941.73	47	18	2	0.041277	K14S	943	4941.00	942	4939.06	47	18	0.041277
K14S	942	4941.73	L14N/S41	4939.92	390	24	2	0.004641	K14S	942	4939.06	L14N/S41	4937.25	390	24	0.004641
K14S	551	4961.17	661	4960.54	350	12	1	0.0018	K14S	551	4958.50	661	4957.87	350	12	0.0018
K14S	763	4957.67	761	4957.41	230	12	1	0.00113	K14S	763	4955.00	761	4954.74	230	12	0.00113
K14S	953	4946.12	53	4945.89	190	12	1	0.001211	K14S	953	4943.45	53	4943.22	190	12	0.001211
K14S	53	4945.89	L14N/S54	4945.66	250	12	1	0.00092	K14S	53	4943.22	L14N/S54	4942.99	250	12	0.00092
K14S	863	4956.83	864	4953.52	NA	36	3	#VALUE!	K14S	863	4954.16	864	4950.85	NA	36	#VALUE!
K14S	863	4954.98	961	4949.80	400	48	4	0.01295	K14S	863	4952.31	961	4947.13	400	48	0.01295
K15N	3	#VALUE!	1	#VALUE!	180	15	1	#VALUE!	K15N	3	NA	1	NA	180	15	#VALUE!
K15N	2	#VALUE!	1	#VALUE!	185	12	1	#VALUE!	K15N	2	NA	1	NA	185	12	#VALUE!
K15N	1	#VALUE!	J15S/903	4983.71	370	15	1	#VALUE!	K15N	1	NA	J15S/903	4981.04	370	15	#VALUE!
K15N	121	5032.04	111	5028.87	374	30	3	0.008476	K15N	121	5029.37	111	5026.20	374	30	0.008476
K15N	111	5028.87	211	5027.17	200	30	3	0.0085	K15N	111	5026.20	211	5024.50	200	30	0.0085
K15N	211	5027.17	212	5025.72	170	30	3	0.008529	K15N	211	5024.50	212	5023.05	170	30	0.008529
K15N	311	5028.18	214	5027.82	300	30	3	0.0012	K15N	311	5025.51	214	5025.15	300	30	0.0012

K15N	214	5027.82	213	5027.28	45	30	3	0.012	K15N	214	5025.15	213	5024.61	45	30	0.012
K15N	213	5027.28	212	5025.72	130	30	3	0.012	K15N	213	5024.61	212	5023.05	130	30	0.012
K15N	212	5025.72	201	5022.60	156	36	3	0.02	K15N	212	5023.05	201	5019.93	156	36	0.02
K15N	201	5022.60	K14N/291	5000.53	740	4X4CBC	#VALUE!	0.029824	K15N	201	5019.93	K14N/291	4997.86	740	4X4CBC	0.029824
K15N	502	5031.72	501	5024.52	360	15	1	0.02	K15N	502	5029.05	501	5021.85	360	15	0.02
K15N	401	5017.45	501	5014.10	335	15	1	0.01	K15N	401	5014.78	501	5011.43	335	15	0.01
K15N	501	5014.10	K14N/592	5010.52	179	15	1	0.02	K15N	501	5011.43	K14N/592	5007.85	179	15	0.02
K15S	604	5020.06	602	5013.72	376	48	4	0.016862	K15S	604	5017.39	602	5011.05	376	48	0.016862
K15S	601	#VALUE!	602	5013.72	120	15	1	#VALUE!	K15S	601	NA	602	5011.05	120	15	#VALUE!
K15S	602	5013.72	791	5010.52	200	48	4	0.016	K15S	602	5011.05	791	5007.85	200	48	0.016
K15S	791	5007.81	K14S/792	5002.52	372	48	4	0.01422	K15S	791	5005.14	K14S/792	4999.85	372	48	0.01422
L14N	41	4939.92	145	4938.60	330	30	3	0.004	L14N	41	4937.25	145	4935.93	330	30	0.004
L14N	145	4938.60	141	4937.92	45	30	3	0.015111	L14N	145	4935.93	141	4935.25	45	30	0.015111
L14N	54	4945.66	55	4945.35	260	12	1	0.001192	L14N	54	4942.99	55	4942.68	260	12	0.001192
L14N	55	4940.22	151	4939.18	356	36	3	0.002921	L14N	55	4937.55	151	4936.51	356	36	0.002921
L14N	151	4939.18	152	4938.07	365	36	3	0.003041	L14N	151	4936.51	152	4935.40	365	36	0.003041
L14N	152	4937.67	JB1	4936.09	295	48	4	0.005356	L14N	152	4935.00	JB1	4933.42	295	48	0.005356
L14N	142	#VALUE!	141	4937.92	49	18	2	#VALUE!	L14N	142	NA	141	4935.25	49	18	#VALUE!
L14N	141	4937.92	143	4936.29	345	36	3	0.004725	L14N	141	4935.25	143	4933.62	345	36	0.004725
L14N	143	4936.29	JB1	4936.09	88.5	48	4	0.00226	L14N	143	4933.62	JB1	4933.42	88.5	48	0.00226
L14N	JB1	4935.09	PUMP STATION	4933.67	46	60	5	0.03087	L14N	JB1	4932.42	PUMP STATION	4931.00	46	60	0.03087
L14N	JB2	4957.67	153	4943.67	422	36	3	0.033175	L14N	JB2	4955.00	153	4941.00	422	36	0.033175
L14N	153	4943.67	144	4941.17	540	36	3	0.00463	L14N	153	4941.00	144	4938.50	540	36	0.00463
L14N	144	4941.17	PUMP STATION	4927.00	40	36	3	0.35425	L14N	144	4938.50	PUMP STATION	4924.33	40	36	0.35425
L14N	342	4942.00	341	4941.74	50	24	2	0.0052	L14N	342	4939.33	341	4939.07	50	24	0.0052
L14N	341	4941.74	242	4941.14	150	24	2	0.004	L14N	341	4939.07	242	4938.47	150	24	0.004
L14N	242	4941.14	241	4939.90	250	24	2	0.00496	L14N	242	4938.47	241	4937.23	250	24	0.00496
L14N	241	4939.90	143	4937.08	355	30	3	0.007944	L14N	241	4937.23	143	4934.41	355	30	0.007944
L14N	152	4943.17	252	4941.54	190	21	2	0.008579	L14N	152	4940.50	252	4938.87	190	21	0.008579
L14N	252	4941.54	244	4941.41	110	24	2	0.001182	L14N	252	4938.87	244	4938.74	110	24	0.001182
L14N	244	4941.41	251	4941.33	70	24	2	0.001143	L14N	244	4938.74	251	4938.66	70	24	0.001143
L14N	251	4941.32	245	4941.06	155	24	2	0.001677	L14N	251	4938.65	245	4938.39	155	24	0.001677
L14N	245	4941.06	243	4940.98	65	24	2	0.001231	L14N	245	4938.39	243	4938.31	65	24	0.001231
L14N	243	4940.98	345	4940.91	95	24	2	0.000737	L14N	243	4938.31	345	4938.24	95	24	0.000737
L14N	345	4940.91	347	4936.14	180	36	3	0.0265	L14N	345	4938.24	347	4933.47	180	36	0.0265
L14N	347	4936.14	348	4936.14	20	36	3	0	L14N	347	4933.47	348	4933.47	20	36	0
L14N	348	4936.14	349	4940.34	200	36	3	-0.021	L14N	348	4933.47	349	4937.67	200	36	-0.021
L14N	349	4940.34	442	4940.16	215	36	3	0.000837	L14N	349	4937.67	442	4937.49	215	36	0.000837
L14N	442	4940.16	443	4939.99	215	36	3	0.000791	L14N	442	4937.49	443	4937.32	215	36	0.000791
L14N	443	4939.99	541	4939.81	221	36	3	0.000814	L14N	443	4937.32	541	4937.14	221	36	0.000814
L14N	541	4939.81	L14S/542	4939.59	264	36	3	0.000833	L14N	541	4937.14	L14S/542	4936.92	264	36	0.000833
L14N	42	4945.03	51	4944.82	180	12	1	0.001167	L14N	42	4942.36	51	4942.15	180	12	0.001167
L14N	51	4944.82	55	4944.60	180	12	1	0.001222	L14N	51	4942.15	55	4941.93	180	12	0.001222
L14N	192	4996.67	191	4996.46	175	12	1	0.0012	L14N	192	4994.00	191	4993.79	175	12	0.0012
L14N	191	4996.46	181	4987.56	360	18	2	0.024722	L14N	191	4993.79	181	4984.89	360	18	0.024722
L14N	181	4987.56	171	4978.67	360	18	2	0.024694	L14N	181	4984.89	171	4976.00	360	18	0.024694
L14N	182	4985.33	172	4975.97	360	12	1	0.026	L14N	182	4982.66	172	4973.30	360	12	0.026

L14N	171	4978.42	172	4975.22	360	21	2	0.008889	L14N	171	4975.75	172	4972.55	360	21	0.008889
L14N	172	4974.47	273	4974.04	358	30	3	0.001201	L14N	172	4971.80	273	4971.37	358	30	0.001201
L14N	372	4984.47	275	4975.54	360	12	1	0.024806	L14N	372	4981.80	275	4972.87	360	12	0.024806
L14N	291	4994.67	282	4982.86	360	18	2	0.032806	L14N	291	4992.00	282	4980.19	360	18	0.032806
L14N	282	4982.86	275	4975.04	360	18	2	0.021722	L14N	282	4980.19	275	4972.37	360	18	0.021722
L14N	275	4975.04	274	4966.02	360	24	2	0.025056	L14N	275	4972.37	274	4963.35	360	24	0.025056
L14N	274	4962.05	263	4958.25	355	30	3	0.010704	L14N	274	4959.38	263	4955.58	355	30	0.010704
L14N	281	4979.97	273	4972.97	360	24	2	0.019444	L14N	281	4977.30	273	4970.30	360	24	0.019444
L14N	273	4972.97	272	4963.98	360	24	2	0.024972	L14N	273	4970.30	272	4961.31	360	24	0.024972
L14N	272	4963.98	271	4962.15	46	27	2	0.039783	L14N	272	4961.31	271	4959.48	46	27	0.039783
L14N	271	4962.15	262	4958.46	273	36	3	0.013516	L14N	271	4959.48	262	4955.79	273	36	0.013516
L14N	262	4958.46	263	4958.27	41	36	3	0.004634	L14N	262	4955.79	263	4955.60	41	36	0.004634
L14N	451	4951.97	352	4949.95	360	24	2	0.005611	L14N	451	4949.30	352	4947.28	360	24	0.005611
L14N	352	4949.95	355	4949.40	141	24	2	0.003901	L14N	352	4947.28	355	4946.73	141	24	0.003901
L14N	355	4949.40	354	4949.17	93	24	2	0.002473	L14N	355	4946.73	354	4946.50	93	24	0.002473
L14N	354	4949.17	NO MH	4948.99	119	24	2	0.001513	L14N	354	4946.50	NO MH	4946.32	119	24	0.001513
L14N	392	#VALUE!	393	4996.35	95	30	3	#VALUE!	L14N	392	NA	393	4993.68	95	30	#VALUE!
L14N	391	5000.37	393	4998.35	95	30	3	0.021263	L14N	391	4997.70	393	4995.68	95	30	0.021263
L14N	393	4998.35	394	4996.13	99	30	3	0.022424	L14N	393	4995.68	394	4993.46	99	30	0.022424
L14N	394	4996.12	381	4992.31	170	30	3	0.022412	L14N	394	4993.45	381	4989.64	170	30	0.022412
L14N	381	4992.31	373	4984.24	360	30	3	0.022417	L14N	381	4989.64	373	4981.57	360	30	0.022417
L14N	373	4984.24	371	4974.34	360	30	3	0.0275	L14N	373	4981.57	371	4971.67	360	30	0.0275
L14N	371	4974.34	363	4962.33	355	30	3	0.033831	L14N	371	4971.67	363	4959.66	355	30	0.033831
L14N	472	4979.88	471	4970.88	360	12	1	0.025	L14N	472	4977.21	471	4968.21	360	12	0.025
L14N	471	4970.88	461	4959.16	355	12	1	0.033014	L14N	471	4968.21	461	4956.49	355	12	0.033014
L14N	591	4989.67	592	4987.56	150	12	1	0.014067	L14N	591	4987.00	592	4984.89	150	12	0.014067
L14N	592	4987.56	581	4978.81	360	12	1	0.024306	L14N	592	4984.89	581	4976.14	360	12	0.024306
L14N	581	4978.81	582	4970.71	360	12	1	0.0225	L14N	581	4976.14	582	4968.04	360	12	0.0225
L14N	582	4970.71	571	4962.61	360	12	1	0.0225	L14N	582	4968.04	571	4959.94	360	12	0.0225
L14N	571	4962.36	562	4954.02	355	15	1	0.023493	L14N	571	4959.69	562	4951.35	355	15	0.023493
L14N	81	4986.54	72	4975.89	360	24	2	0.029583	L14N	81	4983.87	72	4973.22	360	24	0.029583
L14N	72	4975.89	71	4966.24	360	24	2	0.026806	L14N	72	4973.22	71	4963.57	360	24	0.026806
L14N	71	4966.24	61	4955.52	400	24	2	0.0268	L14N	71	4963.57	61	4952.85	400	24	0.0268
L14N	61	4949.21	161	4948.64	360	72	6	0.001583	L14N	61	4946.54	161	4945.97	360	72	0.001583
L14N	161	4948.64	JB2	4947.56	350	72	6	0.003086	L14N	161	4945.97	JB2	4944.89	350	72	0.003086
L14N	JB2	4947.56	261	4947.45	370	72	6	0.000297	L14N	JB2	4944.89	261	4944.78	370	72	0.000297
L14N	261	4947.45	361	4946.83	373	72	6	0.001662	L14N	261	4944.78	361	4944.16	373	72	0.001662
L14N	361	4946.83	351	4946.42	379	72	6	0.001082	L14N	361	4944.16	351	4943.75	379	72	0.001082
L14N	351	4946.42	353	4943.46	NA	72	6	#VALUE!	L14N	351	4943.75	353	4940.79	NA	72	#VALUE!
L14N	353	4943.46	346	4940.04	480	72	6	0.007125	L14N	353	4940.79	346	4937.37	480	72	0.007125
L14N	346	4940.04	344	4939.97	NA	72	6	#VALUE!	L14N	346	4937.37	344	4937.30	NA	72	#VALUE!
L14N	343	4942.26	344	4939.97	358	24	2	0.006397	L14N	343	4939.59	344	4937.30	358	24	0.006397
L14N	344	4939.97	441A	4939.37	597	72	6	0.001005	L14N	344	4937.30	441A	4936.70	597	72	0.001005
L14N	441A	4939.37	441B	4939.26	390	72	6	0.000282	L14N	441A	4936.70	441B	4936.59	390	72	0.000282
L14N	441B	4939.26	L14S/545	4939.20	210	72	6	0.000286	L14N	441B	4936.59	L14S/545	4936.53	210	72	0.000286
L14N	364	#VALUE!	363	4956.56	70	NA	#VALUE!	#VALUE!	L14N	364	NA	363	4953.89	70	NA	#VALUE!
L14N	263	4957.47	362	4957.02	375	48	4	0.0012	L14N	263	4954.80	362	4954.35	375	48	0.0012

L14N	362	4957.02	363	4956.59	360	48	4	0.001194	L14N	362	4954.35	363	4953.92	360	48	0.001194
L14N	363	4956.56	461	4954.63	358	48	4	0.005391	L14N	363	4953.89	461	4951.96	358	48	0.005391
L14N	461	4954.63	562	4952.71	354	48	4	0.005424	L14N	461	4951.96	562	4950.04	354	48	0.005424
L14N	562	4952.71	L14S/663	4952.25	470	60	5	0.000979	L14N	562	4950.04	L14S/663	4949.58	470	60	0.000979
L14N	462	#VALUE!	461	4959.16	70	24	2	#VALUE!	L14N	462	NA	461	4956.49	70	24	#VALUE!
L14N	561	#VALUE!	562	4954.02	70	24	2	#VALUE!	L14N	561	NA	562	4951.35	70	24	#VALUE!
L14N	444	#VALUE!	442	#VALUE!	75	12	1	#VALUE!	L14N	444	NA	442	NA	75	12	#VALUE!
L14N	445	#VALUE!	443	#VALUE!	100	12	1	#VALUE!	L14N	445	NA	443	NA	100	12	#VALUE!
L14N	551	#VALUE!	544	#VALUE!	125	24	2	#VALUE!	L14N	551	NA	544	NA	125	24	#VALUE!
L14N	544	#VALUE!	543A	#VALUE!	105	24	2	#VALUE!	L14N	544	NA	543A	NA	105	24	#VALUE!
L14N	543A	#VALUE!	541	#VALUE!	30	24	2	#VALUE!	L14N	543A	NA	541	NA	30	24	#VALUE!
L14S	542	4939.59	544	4939.46	155	36	3	0.000839	L14S	542	4936.92	544	4936.79	155	36	0.000839
L14S	544	4939.46	641	4939.29	214	36	3	0.000794	L14S	544	4936.79	641	4936.62	214	36	0.000794
L14S	641	4939.29	643	4939.05	288	36	3	0.000833	L14S	641	4936.62	643	4936.38	288	36	0.000833
L14S	643	4939.06	644	4939.04	20	36	3	0.001	L14S	643	4936.39	644	4936.37	20	36	0.001
L14S	644	4939.04	744A	4938.98	70	36	3	0.000857	L14S	644	4936.37	744A	4936.31	70	36	0.000857
L14S	744A	4938.98	743	4938.78	238	36	3	0.00084	L14S	744A	4936.31	743	4936.11	238	36	0.00084
L14S	743	4938.78	744C	4938.39	130	36	3	0.003	L14S	743	4936.11	744C	4935.72	130	36	0.003
L14S	744C	4938.39	741	4938.38	120	36	3	8.33E-05	L14S	744C	4935.72	741	4935.71	120	36	8.33E-05
L14S	741	4938.38	842	4938.31	72	36	3	0.000972	L14S	741	4935.71	842	4935.64	72	36	0.000972
L14S	842	4938.31	841	4938.27	48	36	3	0.000833	L14S	842	4935.64	841	4935.60	48	36	0.000833
L14S	841	4938.27	837	4937.97	368	36	3	0.000815	L14S	841	4935.60	837	4935.30	368	36	0.000815
L14S	837	4937.97	934	4937.83	169	36	3	0.000828	L14S	837	4935.30	934	4935.16	169	36	0.000828
L14S	934	4937.83	935	4937.73	123	36	3	0.000813	L14S	934	4935.16	935	4935.06	123	36	0.000813
L14S	935	4937.73	31	4937.44	343	36	3	0.000845	L14S	935	4935.06	31	4934.77	343	36	0.000845
L14S	INLET	4903.66	31	4902.67	198	18	2	0.005	L14S	INLET	4900.99	31	4900.00	198	18	0.005
L14S	31	4937.44	M14N/32	4937.31	163	36	3	0.000798	L14S	31	4934.77	M14N/32	4934.64	163	36	0.000798
L14S	681	4975.52	585	4975.07	300	12	1	0.0015	L14S	681	4972.85	585	4972.40	300	12	0.0015
L14S	585	4975.07	583	4964.97	360	12	1	0.028056	L14S	585	4972.40	583	4962.30	360	12	0.028056
L14S	583	4964.97	575	4963.87	180	15	1	0.006111	L14S	583	4962.30	575	4961.20	180	15	0.006111
L14S	575	4963.87	572	4962.76	180	15	1	0.006167	L14S	575	4961.20	572	4960.09	180	15	0.006167
L14S	572	4962.76	574	4962.74	20	18	2	0.001	L14S	572	4960.09	574	4960.07	20	18	0.001
L14S	574	4962.74	573	4962.68	47	18	2	0.001277	L14S	574	4960.07	573	4960.01	47	18	0.001277
L14S	573	4962.68	L14N/571	4962.36	270	18	2	0.001185	L14S	573	4960.01	L14N/571	4959.69	270	18	0.001185
L14S	691	4983.52	791	4983.17	230	15	1	0.001522	L14S	691	4980.85	791	4980.50	230	15	0.001522
L14S	791	4982.67	782	4978.28	360	21	2	0.012194	L14S	791	4980.00	782	4975.61	360	21	0.012194
L14S	782	4978.28	781	4973.89	360	21	2	0.012194	L14S	782	4975.61	781	4971.22	360	21	0.012194
L14S	781	4973.89	771	4967.12	360	21	2	0.018806	L14S	781	4971.22	771	4964.45	360	21	0.018806
L14S	771	4967.12	764	4960.45	350	21	2	0.019057	L14S	771	4964.45	764	4957.78	350	21	0.019057
L14S	883	4985.63	882	4984.35	125	48	4	0.01024	L14S	883	4982.96	882	4981.68	125	48	0.01024
L14S	882	4984.35	784	4978.67	315	42	4	0.018032	L14S	882	4981.68	784	4976.00	315	42	0.018032
L14S	885	4977.68	4	4977.67	24	42	4	0.000417	L14S	885	4975.01	4	4975.00	24	42	0.000417
L14S	4	4977.67	881	4977.37	20	42	4	0.015	L14S	4	4975.00	881	4974.70	20	42	0.015
L14S	881	4977.57	783	4973.08	280	36	3	0.016036	L14S	881	4974.90	783	4970.41	280	36	0.016036
L14S	792	4988.73	784	4982.32	360	21	2	0.017806	L14S	792	4986.06	784	4979.65	360	21	0.017806
L14S	784	4976.68	783	4972.58	360	42	4	0.011389	L14S	784	4974.01	783	4969.91	360	42	0.011389
L14S	783	4972.58	772	4965.20	360	42	4	0.0205	L14S	783	4969.91	772	4962.53	360	42	0.0205

L14S	772	4965.20	766/JB	4957.92	350	42	4	0.0208	L14S	772	4962.53	766/JB	4955.25	350	42	0.0208
L14S	651	4952.17	652	4952.08	40	18	2	0.00225	L14S	651	4949.50	652	4949.41	40	18	0.00225
L14S	652	4952.08	653	4951.95	51	18	2	0.002549	L14S	652	4949.41	653	4949.28	51	18	0.002549
L14S	653	4951.95	751	4951.67	99	18	2	0.002828	L14S	653	4949.28	751	4949.00	99	18	0.002828
L14S	751	4951.67	752	4945.67	291	18	2	0.020619	L14S	751	4949.00	752	4943.00	291	18	0.020619
L14S	752	4945.67	745A	4943.17	250	18	2	0.01	L14S	752	4943.00	745A	4940.50	250	18	0.01
L14S	750	4943.89	745A	4943.68	180	12	1	0.001167	L14S	750	4941.22	745A	4941.01	180	12	0.001167
L14S	745A	4943.68	749	4943.27	338	12	1	0.001213	L14S	745A	4941.01	749	4940.60	338	12	0.001213
L14S	749	4943.27	742	4943.26	12	12	1	0.000833	L14S	749	4940.60	742	4940.59	12	12	0.000833
L14S	531	4940.86	532	4940.49	281	36	3	0.001317	L14S	531	4938.19	532	4937.82	281	36	0.001317
L14S	532	4940.49	533	4940.33	161	36	3	0.000994	L14S	532	4937.82	533	4937.66	161	36	0.000994
L14S	533	4940.33	631	4940.11	222	36	3	0.000991	L14S	533	4937.66	631	4937.44	222	36	0.000991
L14S	631	4940.11	633	4940.04	67	36	3	0.001045	L14S	631	4937.44	633	4937.37	67	36	0.001045
L14S	633	4940.04	634	4939.97	69	36	3	0.001014	L14S	633	4937.37	634	4937.30	69	36	0.001014
L14S	634	4939.97	635	4939.84	129	36	3	0.001008	L14S	634	4937.30	635	4937.17	129	36	0.001008
L14S	635	4939.84	636	4939.81	34	36	3	0.000882	L14S	635	4937.17	636	4937.14	34	36	0.000882
L14S	636	4939.81	738	4939.67	141	36	3	0.000993	L14S	636	4937.14	738	4937.00	141	36	0.000993
L14S	738	4939.67	732	4939.40	200	36	3	0.00135	L14S	738	4937.00	732	4936.73	200	36	0.00135
L14S	732	4939.40	734	4939.31	111	36	3	0.000811	L14S	732	4936.73	734	4936.64	111	36	0.000811
L14S	734	4939.31	735	4939.27	38	36	3	0.001053	L14S	734	4936.64	735	4936.60	38	36	0.001053
L14S	735	4939.27	733	4939.12	152	36	3	0.000987	L14S	735	4936.60	733	4936.45	152	36	0.000987
L14S	733	4939.12	737	4939.07	50	36	3	0.001	L14S	733	4936.45	737	4936.40	50	36	0.001
L14S	737	4939.07	831	4938.98	86	36	3	0.001047	L14S	737	4936.40	831	4936.31	86	36	0.001047
L14S	831	4938.98	833	4938.77	214	36	3	0.000981	L14S	831	4936.31	833	4936.10	214	36	0.000981
L14S	833	4938.77	834	4938.62	153	36	3	0.00098	L14S	833	4936.10	834	4935.95	153	36	0.00098
L14S	834	4938.62	836	4938.61	47	36	3	0.000213	L14S	834	4935.95	836	4935.94	47	36	0.000213
L14S	836	4938.61	931	4938.32	246	36	3	0.001179	L14S	836	4935.94	931	4935.65	246	36	0.001179
L14S	931	4938.32	933	4938.10	229	36	3	0.000961	L14S	931	4935.65	933	4935.43	229	36	0.000961
L14S	933	4938.10	21	4937.97	125	36	3	0.00104	L14S	933	4935.43	21	4935.30	125	36	0.00104
L14S	543B	4941.67	532	4940.17	175	24	2	0.008571	L14S	543B	4939.00	532	4937.50	175	24	0.008571
L14S	534	4941.17	533	4940.67	85	24	2	0.005882	L14S	534	4938.50	533	4938.00	85	24	0.005882
L14S	632	4941.17	631	4940.67	90	24	2	0.005556	L14S	632	4938.50	631	4938.00	90	24	0.005556
L14S	731	4940.67	738	4940.17	40	24	2	0.0125	L14S	731	4938.00	738	4937.50	40	24	0.0125
L14S	736	4940.17	734	4940.17	35	24	2	0	L14S	736	4937.50	734	4937.50	35	24	0
L14S	832	4940.07	831	4939.22	85	24	2	0.01	L14S	832	4937.40	831	4936.55	85	24	0.01
L14S	835	4939.67	834	4939.17	85	24	2	0.005882	L14S	835	4937.00	834	4936.50	85	24	0.005882
L14S	932	4939.67	931	4938.67	185	24	2	0.005405	L14S	932	4937.00	931	4936.00	185	24	0.005405
L14S	545	4939.20	643	4939.02	580	72	6	0.00031	L14S	545	4936.53	643	4936.35	580	72	0.00031
L14S	643	4939.02	744C	4938.39	460	72	6	0.00137	L14S	643	4936.35	744C	4935.72	460	72	0.00137
L14S	852	#VALUE!	851	#VALUE!	250	24	2	#VALUE!	L14S	852	NA	851	NA	250	24	#VALUE!
L14S	851	#VALUE!	761	#VALUE!	249	24	2	#VALUE!	L14S	851	NA	761	NA	249	24	#VALUE!
L14S	762	4950.96	761	4949.44	346	66	6	0.004393	L14S	762	4948.29	761	4946.77	346	66	0.004393
L14S	761	4949.44	18	4939.09	341	66	6	0.030352	L14S	761	4946.77	18	4936.42	341	66	0.030352
L14S	18	4939.09	742	4938.69	265	66	6	0.001509	L14S	18	4936.42	742	4936.02	265	66	0.001509
L14S	742	4938.69	746	4938.41	190	66	6	0.001474	L14S	742	4936.02	746	4935.74	190	66	0.001474
L14S	746	4938.41	744B	4938.40	NA	66	6	#VALUE!	L14S	746	4935.74	744B	4935.73	NA	66	#VALUE!
L14S	662	#VALUE!	661	4952.21	50	18	2	#VALUE!	L14S	662	NA	661	4949.54	50	18	#VALUE!

L14S	646	#VALUE!	547	#VALUE!	125	15	1	#VALUE!	L14S	646	NA	547	NA	125	15	#VALUE!
L14S	547	#VALUE!	546	4940.76	210	15	1	#VALUE!	L14S	547	NA	546	4938.09	210	15	#VALUE!
L14S	546	4940.76	544	4940.56	30	15	1	0.006667	L14S	546	4938.09	544	4937.89	30	15	0.006667
L14S	763	#VALUE!	764	4951.71	70	24	2	#VALUE!	L14S	763	NA	764	4949.04	70	24	#VALUE!
L14S	862	#VALUE!	864	4949.83	70	24	2	#VALUE!	L14S	862	NA	864	4947.16	70	24	#VALUE!
L14S	663	4952.25	661	4952.21	45	48	4	0.000889	L14S	663	4949.58	661	4949.54	45	48	0.000889
L14S	661	4952.21	764	4951.71	510	48	4	0.00098	L14S	661	4949.54	764	4949.04	510	48	0.00098
L14S	764	4951.71	765	4951.26	300	60	5	0.0015	L14S	764	4949.04	765	4948.59	300	60	0.0015
L14S	765	4951.26	JB/766	4951.18	50	60	5	0.0016	L14S	765	4948.59	JB/766	4948.51	50	60	0.0016
L14S	JB/766	4950.49	864	4949.83	330	72	6	0.002	L14S	JB/766	4947.82	864	4947.16	330	72	0.002
L14S	864	4949.83	962	4949.07	380	72	6	0.002	L14S	864	4947.16	962	4946.40	380	72	0.002
L14S	962	4949.07	961	4948.91	70	72	6	0.002286	L14S	962	4946.40	961	4946.24	70	72	0.002286
L14S	961	4948.91	M14N/S61	4947.90	505	72	6	0.002	L14S	961	4946.24	M14N/S61	4945.23	505	72	0.002
M14N	INLET	4941.83	34	4941.23	100	15	1	0.006	M14N	INLET	4939.16	34	4938.56	100	15	0.006
M14N	34	4941.23	33B	4937.20	28	15	1	0.143929	M14N	34	4938.56	33B	4934.53	28	15	0.143929
M14N	32	4937.31	33B	4937.20	132	36	3	0.000833	M14N	32	4934.64	33B	4934.53	132	36	0.000833
M14N	33B	4937.20	35	4937.07	166	36	3	0.000783	M14N	33B	4934.53	35	4934.40	166	36	0.000783
M14N	35	4937.07	131	4936.83	289	36	3	0.00083	M14N	35	4934.40	131	4934.16	289	36	0.00083
M14N	131	4936.83	132	4936.57	321	36	3	0.00081	M14N	131	4934.16	132	4933.90	321	36	0.00081
M14N	132	4936.57	3	4936.33	285	36	3	0.000842	M14N	132	4933.90	3	4933.66	285	36	0.000842
M14N	3	4936.33	232	4936.21	149	36	3	0.000805	M14N	3	4933.66	232	4933.54	149	36	0.000805
M14N	232	4936.21	331B/JB	4935.17	200	36	3	0.0052	M14N	232	4933.54	331B/JB	4932.50	200	36	0.0052
M14N	331B/JB	4935.17	243	4934.83	218	72	6	0.00156	M14N	331B/JB	4932.50	243	4932.16	218	72	0.00156
M14N	243	4934.83	342/JB	4934.41	269	72	6	0.001561	M14N	243	4932.16	342/JB	4931.74	269	72	0.001561
M14N	342/JB	4934.41	351/JB	4933.59	325	72	6	0.002523	M14N	342/JB	4931.74	351/JB	4930.92	325	72	0.002523
M14N	351/JB	4933.59	OUTLET	4932.04	325	12x6MP	#VALUE!	0.004769	M14N	351/JB	4930.92	OUTLET	4929.37	325	12x6MP	0.004769
M14N	224	4937.32	223	4936.67	203	24	2	0.003202	M14N	224	4934.65	223	4934.00	203	24	0.003202
M14N	33A	4937.07	331B/JB	4935.17	NA	72	6	#VALUE!	M14N	33A	4934.40	331B/JB	4932.50	NA	72	#VALUE!
M14N	331B/JB	4935.17	342	4934.41	487	72	6	0.001561	M14N	331B/JB	4932.50	342	4931.74	487	72	0.001561
M14N	342	4934.38	351/JB	4933.86	333	72	6	0.001562	M14N	342	4931.71	351/JB	4931.19	333	72	0.001562
M14N	61	4949.21	161	4946.89	505	72	6	0.004594	M14N	61	4946.54	161	4944.22	505	72	0.004594
M14N	161	4946.89	261/JB	4945.87	510	72	6	0.002	M14N	161	4944.22	261/JB	4943.20	510	72	0.002
M14N	261/JB	4945.87	252	4941.62	345	54	5	0.012319	M14N	261/JB	4943.20	252	4938.95	345	54	0.012319
M14N	252	4941.62	251/JB	4937.07	370	54	5	0.012297	M14N	252	4938.95	251/JB	4934.40	370	54	0.012297
M14N	251/JB	4935.57	241/JB	4935.17	370	72	6	0.001081	M14N	251/JB	4932.90	241/JB	4932.50	370	72	0.001081
M14N	241/JB	4934.83	341/JB	4934.62	490	72	6	0.000429	M14N	241/JB	4932.16	341/JB	4931.95	490	72	0.000429
M14N	341/JB	4934.62	342/JB	4934.41	42	72	6	0.005	M14N	341/JB	4931.95	342/JB	4931.74	42	72	0.005
M14N	21	4937.97	22	4937.87	100	36	3	0.001	M14N	21	4935.30	22	4935.20	100	36	0.001
M14N	22	4937.87	121	4937.57	300	36	3	0.001	M14N	22	4935.20	121	4934.90	300	36	0.001
M14N	121	4937.57	122	4937.27	300	36	3	0.001	M14N	121	4934.90	122	4934.60	300	36	0.001
M14N	122	4937.27	221	4936.97	200	36	3	0.0015	M14N	122	4934.60	221	4934.30	200	36	0.0015
M14N	221	4936.97	222	4936.77	100	36	3	0.002	M14N	221	4934.30	222	4934.10	100	36	0.002
M14N	222	4936.77	223	4936.67	62	36	3	0.001613	M14N	222	4934.10	223	4934.00	62	36	0.001613
M14N	223	4936.67	321	4936.37	239	36	3	0.001255	M14N	223	4934.00	321	4933.70	239	36	0.001255
M14N	321	4936.37	332A	4936.34	24	36	3	0.00125	M14N	321	4933.70	332A	4933.67	24	36	0.00125
M14N	332A	4936.34	333	4936.19	156	36	3	0.000962	M14N	332A	4933.67	333	4933.52	156	36	0.000962
M14N	333	4936.19	331A	4935.97	218	36	3	0.001009	M14N	333	4933.52	331A	4933.30	218	36	0.001009

M14N	331A	4935.97	332B	4935.69	201	36	3	0.001393	M14N	331A	4933.30	332B	4933.02	201	36	0.001393
M14N	332B	4935.69	331B	4935.17	47	36	3	0.011064	M14N	332B	4933.02	331B	4932.50	47	36	0.011064
M14N	6	5014.12	201	5005.74	387	48	4	0.021654	M14N	6	5011.45	201	5003.07	387	48	0.021654
M14N	201	5004.84	282	4990.25	590	48	4	0.024729	M14N	201	5002.17	282	4987.58	590	48	0.024729
M14N	282	4989.12	281	4981.05	400	48	4	0.020175	M14N	282	4986.45	281	4978.38	400	48	0.020175
M14N	281	4978.10	271	4968.25	400	48	4	0.02463	M14N	281	4975.43	271	4965.58	400	48	0.02463
M14N	271	4966.99	262	4957.41	386	48	4	0.024819	M14N	271	4964.32	262	4954.74	386	48	0.024819
M14N	262	4953.78	263	4950.72	210	54	5	0.014571	M14N	262	4951.11	263	4948.05	210	54	0.014571
M14N	263	4949.44	264	4945.72	254	54	5	0.014646	M14N	263	4946.77	264	4943.05	254	54	0.014646
M14N	264	4944.64	253	4941.84	280	54	5	0.01	M14N	264	4941.97	253	4939.17	280	54	0.01
M14N	253	4941.84	254	4940.70	120	54	5	0.0095	M14N	253	4939.17	254	4938.03	120	54	0.0095
M14N	254	4939.72	242	4936.20	358	54	5	0.009832	M14N	254	4937.05	242	4933.53	358	54	0.009832
M14N	242	4935.52	342	4934.07	126	54	5	0.011508	M14N	242	4932.85	342	4931.40	126	54	0.011508
M14N	333	4935.79	343	4934.69	370	24	2	0.002973	M14N	333	4933.12	343	4932.02	370	24	0.002973
M14N	343	4934.69	344	4933.85	280	30	3	0.003	M14N	343	4932.02	344	4931.18	280	30	0.003
M14N	344	4933.85	353	4933.17	225	30	3	0.003022	M14N	344	4931.18	353	4930.50	225	30	0.003022
M14N	353	4933.17	352	4932.81	120	42	4	0.003	M14N	353	4930.50	352	4930.14	120	42	0.003
M14N	352	4932.81	OUTLET	4932.44	32	42	4	0.011562	M14N	352	4930.14	OUTLET	4929.77	32	42	0.011562
M14N	431	4934.74	432A	4934.04	360	30	3	0.001944	M14N	431	4932.07	432A	4931.37	360	30	0.001944
M14N	432A	4934.04	441	4933.46	319	30	3	0.001818	M14N	432A	4931.37	441	4930.79	319	30	0.001818
M14N	441	4933.46	451	4932.56	391	36	3	0.002302	M14N	441	4930.79	451	4929.89	391	36	0.002302
M14N	451	4932.56	FLAP GATE	4932.52	17	36	3	0.002353	M14N	451	4929.89	FLAP GATE	4929.85	17	36	0.002353
M14N	432B	4935.17	443	4933.95	600	30	3	0.002033	M14N	432B	4932.50	443	4931.28	600	30	0.002033
M14N	443	4933.87	444	4933.79	79	30	3	0.001013	M14N	443	4931.20	444	4931.12	79	30	0.001013
M14N	444	4933.95	452	4933.23	276	30	3	0.002609	M14N	444	4931.28	452	4930.56	276	30	0.002609
M14N	452	4933.23	FLAP GATE	4933.17	24	30	3	0.0025	M14N	452	4930.56	FLAP GATE	4930.50	24	30	0.0025
M14N	433	4935.03	435	4934.77	130	24	2	0.002	M14N	433	4932.36	435	4932.10	130	24	0.002
M14N	435	4934.77	442	4933.96	270	30	3	0.003	M14N	435	4932.10	442	4931.29	270	30	0.003
M14N	442	4933.96	445	4933.33	210	30	3	0.003	M14N	442	4931.29	445	4930.66	210	30	0.003
M14N	445	4933.33	453	4932.51	273	36	3	0.003004	M14N	445	4930.66	453	4929.84	273	36	0.003004
M14N	453	4932.51	OUTLET	4932.38	17	36	3	0.007647	M14N	453	4929.84	OUTLET	4929.71	17	36	0.007647
M14N	551	4933.95	456	4933.20	250	24	2	0.003	M14N	551	4931.28	456	4930.53	250	24	0.003
M14N	456	4933.20	455	4933.03	58	36	3	0.002931	M14N	456	4930.53	455	4930.36	58	36	0.002931
M14N	455	4933.03	454	4933.00	8	36	3	0.00375	M14N	455	4930.36	454	4930.33	8	36	0.00375
M14N	454	4933.00	FLAP GATE	4930.13	179	36	3	0.016034	M14N	454	4930.33	FLAP GATE	4927.46	179	36	0.016034
M14N	224	4937.12	223	4936.47	203	24	2	0.003202	M14N	224	4934.45	223	4933.80	203	24	0.003202
M14N	334	4933.87	421	4933.57	300	36	3	0.001	M14N	334	4931.20	421	4930.90	300	36	0.001
M14N	421	4933.57	522	4933.17	401	36	3	0.000998	M14N	421	4930.90	522	4930.50	401	36	0.000998
M14N	522	4933.17	521	4932.77	400	36	3	0.001007	M14N	522	4930.50	521	4930.10	400	36	0.001007
M14N	521	4932.77	621	4932.36	416	36	3	0.000986	M14N	521	4930.10	621	4929.69	416	36	0.000986
M14N	621	4932.36	622	4931.98	346	36	3	0.001098	M14N	621	4929.69	622	4929.31	346	36	0.001098
M14S	622	4931.98	631	4931.62	360	36	3	0.001	M14S	622	4929.31	631	4928.95	360	36	0.001
M14S	631	4931.62	641	4931.24	378	36	3	0.001005	M14S	631	4928.95	641	4928.57	378	36	0.001005
M14S	641	4931.24	642	4930.86	379	36	3	0.001003	M14S	641	4928.57	642	4928.19	379	36	0.001003
M14S	642	4930.86	DRAIN CH.	4930.56	66	36	3	0.004545	M14S	642	4928.19	DRAIN CH.	4927.89	66	36	0.004545
M14S	601	#VALUE!	600	#VALUE!	495	30	3	#VALUE!	M14S	601	NA	600	NA	495	30	#VALUE!
M14S	600	#VALUE!	DRAIN CH.	4932.07	85	30	3	#VALUE!	M14S	600	NA	DRAIN CH.	4929.40	85	30	#VALUE!

M14S	15	#VALUE!	16	#VALUE!	53	30	3	#VALUE!	M14S	15	NA	16	NA	53	30	#VALUE!
M14S	16	#VALUE!	17	#VALUE!	490	30	3	#VALUE!	M14S	16	NA	17	NA	490	30	#VALUE!
M14S	17	#VALUE!	DRAIN CH.	#VALUE!	49	30	3	#VALUE!	M14S	17	NA	DRAIN CH.	NA	49	30	#VALUE!

SWMM RESULTS

Attachment B.2: 100-Year, 24-Hour and 100-Year, 6-Hour SWMM Data

```
EPA STORM WATER MANAGEMENT MODEL - VERSION 5.0 (Build 5.0.022)
--------------------------------------------------------------


***********************************************************
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
  Snowmelt ............... NO
  Groundwater ............ NO
  Flow Routing ........... YES
  Ponding Allowed ........ YES
  Water Quality .......... NO
Infiltration Method ...... CURVE_NUMBER
Flow Routing Method ...... DYNWAVE
Starting Date ............ JAN-01-1995 00:00:00
Ending Date .............. JAN-01-1995 23:59:00
Antecedent Dry Days ...... 0.0
Report Time Step ......... 00:01:00
Wet Time Step ............ 00:01:00
Dry Time Step ............ 00:00:00
Routing Time Step ........ 1.00 sec


WARNING 04: minimum elevation drop used for Conduit K15002-K15001

WARNING 04: minimum elevation drop used for Conduit L14347-L14348

WARNING 03: negative offset ignored for Link L14392-L14393

WARNING 04: minimum elevation drop used for Conduit L14364-L14363

WARNING 04: minimum elevation drop used for Conduit L14462-L14461

WARNING 04: minimum elevation drop used for Conduit L14561-L14562

WARNING 04: minimum elevation drop used for Conduit L14444-L14442

WARNING 04: minimum elevation drop used for Conduit L14445-L14443

WARNING 03: negative offset ignored for Link M14IN1-M14031

WARNING 03: negative offset ignored for Link L14752-L14745

WARNING 03: negative offset ignored for Link L14543-L14532

WARNING 04: minimum elevation drop used for Conduit L14736-L14734

WARNING 04: minimum elevation drop used for Conduit L14852-L14851

WARNING 04: minimum elevation drop used for Conduit L14851-L14761

WARNING 04: minimum elevation drop used for Conduit L14646-L14547

WARNING 03: negative offset ignored for Link L14663-L14661

WARNING 03: negative offset ignored for Link L14661-L14764

WARNING 03: negative offset ignored for Link L14961-M14061

WARNING 03: negative offset ignored for Link M14242-M14342

WARNING 04: minimum elevation drop used for Conduit M14451-M14FG1
```

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WARNING 03: negative offset ignored for Link M14443-M14444
WARNING 04: minimum elevation drop used for Conduit M14452-M14FG3
WARNING 03: negative offset ignored for Link M14224-M14223
WARNING 03: negative offset ignored for Link M14224-M14223
WARNING 04: minimum elevation drop used for Conduit M14017-M14CH1
WARNING 04: minimum elevation drop used for Conduit M14601-M14600
WARNING 04: minimum elevation drop used for Conduit M14600-M14CH3
WARNING 03: negative offset ignored for Link M14OU1-M14FG1
WARNING 03: negative offset ignored for Link SJ8-Street
WARNING 03: negative offset ignored for Link MechemPond-M14m13
WARNING 03: negative offset ignored for Link PUMP_CT-3500-135_02
WARNING 02: maximum depth increased for Node K14071
WARNING 02: maximum depth increased for Node K14072
WARNING 02: maximum depth increased for Node K14074
WARNING 02: maximum depth increased for Node K14075
WARNING 02: maximum depth increased for Node K14081
WARNING 02: maximum depth increased for Node K14171
WARNING 02: maximum depth increased for Node K14172
WARNING 02: maximum depth increased for Node K14173
WARNING 02: maximum depth increased for Node K14174
WARNING 02: maximum depth increased for Node K14183
WARNING 02: maximum depth increased for Node K14191
WARNING 02: maximum depth increased for Node K14271
WARNING 02: maximum depth increased for Node K14281
WARNING 02: maximum depth increased for Node K14461
WARNING 02: maximum depth increased for Node K14462
WARNING 02: maximum depth increased for Node K14483
WARNING 02: maximum depth increased for Node K14551
WARNING 02: maximum depth increased for Node K14591
WARNING 02: maximum depth increased for Node K14762
WARNING 02: maximum depth increased for Node K14772
WARNING 02: maximum depth increased for Node K14864
WARNING 02: maximum depth increased for Node K14874
WARNING 02: maximum depth increased for Node K14892
WARNING 02: maximum depth increased for Node K14951
WARNING 02: maximum depth increased for Node K14952
```

```
WARNING 02: maximum depth increased for Node K15111
WARNING 02: maximum depth increased for Node K15121
WARNING 02: maximum depth increased for Node K15211
WARNING 02: maximum depth increased for Node K15212
WARNING 02: maximum depth increased for Node K15213
WARNING 02: maximum depth increased for Node K15214
WARNING 02: maximum depth increased for Node K15311
WARNING 02: maximum depth increased for Node K15502
WARNING 02: maximum depth increased for Node K15604
WARNING 02: maximum depth increased for Node L14052
WARNING 02: maximum depth increased for Node L14071
WARNING 02: maximum depth increased for Node L14143
WARNING 02: maximum depth increased for Node L14151
WARNING 02: maximum depth increased for Node L14262
WARNING 02: maximum depth increased for Node L14274
WARNING 02: maximum depth increased for Node L14351
WARNING 02: maximum depth increased for Node L14541
WARNING 02: maximum depth increased for Node L14561
WARNING 02: maximum depth increased for Node L14562
WARNING 02: maximum depth increased for Node L14742
WARNING 02: maximum depth increased for Node L1474C
WARNING 02: maximum depth increased for Node L14772
WARNING 02: maximum depth increased for Node L14864
WARNING 02: maximum depth increased for Node M14222
WARNING 02: maximum depth increased for Node M14271
WARNING 02: maximum depth increased for Node M14342
WARNING 02: maximum depth increased for Node M14441
WARNING 02: maximum depth increased for Node M14454
WARNING 02: maximum depth increased for Node M14521
WARNING 02: maximum depth increased for Node M14IN1
WARNING 02: maximum depth increased for Node K14954
WARNING 02: maximum depth increased for Node K14945
WARNING 02: maximum depth increased for Node K14944
WARNING 02: maximum depth increased for Node L14GAR
WARNING 02: maximum depth increased for Node M14M08
WARNING 02: maximum depth increased for Node M14PL1
```

```
WARNING 02: maximum depth increased for Node L14K02

WARNING 02: maximum depth increased for Node L14K03

WARNING 02: maximum depth increased for Node M14601

WARNING 02: maximum depth increased for Node M14015

WARNING 02: maximum depth increased for Node M14016

WARNING 02: maximum depth increased for Node M14017

WARNING 02: maximum depth increased for Node Culvert2in

WARNING 02: maximum depth increased for Node Culvert2out

**************************        Volume         Depth
Runoff Quantity Continuity     acre-feet        inches
**************************     ---------       -------
Total Precipitation ......       314.894         2.596
Evaporation Loss .........         0.000         0.000
Infiltration Loss ........       133.465         1.100
Surface Runoff ...........       166.442         1.372
Final Surface Storage ....        15.086         0.124
Continuity Error (%) .....        -0.031


**************************        Volume        Volume
Flow Routing Continuity        acre-feet      10^6 gal
**************************     ---------     ---------
Dry Weather Inflow .......         0.000         0.000
Wet Weather Inflow .......       166.406        54.226
Groundwater Inflow .......         0.000         0.000
RDII Inflow ..............         0.000         0.000
External Inflow ..........         0.000         0.000
External Outflow .........       149.929        48.857
Internal Outflow .........         0.000         0.000
Storage Losses ...........         0.000         0.000
Initial Stored Volume ....         0.007         0.002
Final Stored Volume ......        15.785         5.144
Continuity Error (%) .....         0.420


*************************
Highest Continuity Errors
*************************
Node L14142 (-151.29%)
Node L14662 (-24.92%)
Node L14018 (17.27%)
Node L14763 (14.96%)
Node J14993 (-12.83%)


***************************
Time-Step Critical Elements
***************************
Link M14FG3-M14OU3 (15.77%)


*******************************
Highest Flow Instability Indexes
*******************************
Link M14351-M14OU1 (21)
Link M14441-M14451 (16)
Link L14142-L14141 (15)
Link L14JB3-L14JB3_OrificeNode (15)
Link K14943-K14942 (14)


************************
Routing Time Step Summary
```

****
Minimum Time Step : 0.50 sec
Average Time Step : 0.91 sec
Maximum Time Step : 1.00 sec
Percent in Steady State : 0.00
Average Iterations per Step : 3.03

****
Subcatchment Runoff Summary
****

Subcatchment	Total Precip in	Total Runon in	Total Evap in	Total Infil in	Total Runoff in	Total Runoff 10^6 gal	Peak Runoff CFS	Runoff Coeff
BH-134	2.60	0.00	0.00	0.80	1.67	1.55	105.69	0.643
SJH-100	2.60	0.00	0.00	0.73	1.76	2.54	174.99	0.677
SJH-102	2.60	0.00	0.00	1.04	1.45	4.16	264.15	0.557
SJH-105	2.60	0.00	0.00	1.09	1.39	1.96	123.86	0.536
SJH-106	2.60	0.00	0.00	1.17	1.31	2.04	130.18	0.506
SJH-150	2.60	0.00	0.00	1.04	1.45	1.84	116.71	0.557
SJH-152	2.60	0.00	0.00	1.19	1.28	2.83	165.65	0.494
SJH-153	2.60	0.00	0.00	1.17	1.32	1.50	97.41	0.507
SJH-200	2.60	0.00	0.00	0.99	1.49	1.23	70.31	0.576
SJH-202	2.60	0.00	0.00	1.23	1.23	1.37	71.13	0.475
SJH-700	2.60	0.00	0.00	1.11	1.36	0.80	45.73	0.525
SJH-109	2.60	0.00	0.00	1.45	1.02	1.76	106.85	0.394
SJN-710	2.60	0.00	0.00	1.41	1.07	0.23	11.17	0.412
SJN-720	2.60	0.00	0.00	1.59	0.88	0.40	26.57	0.339
SJN-730	2.60	0.00	0.00	1.49	0.97	0.82	51.41	0.375
SJN-740	2.60	0.00	0.00	0.89	1.54	3.45	99.44	0.591
SJ-8	2.60	0.00	0.00	1.02	1.45	1.13	70.06	0.560
SJ-90L	2.60	0.00	0.00	0.88	1.55	1.23	33.12	0.598
SJ-955	2.60	0.00	0.00	1.27	1.20	0.94	46.10	0.464
SJ-7	2.60	0.00	0.00	1.42	1.05	1.33	70.41	0.406
SJH-701	2.60	0.00	0.00	1.35	1.12	1.31	68.84	0.431
SJ-5	2.60	0.00	0.00	1.17	1.31	1.23	71.82	0.503
SJ-4A	2.60	0.00	0.00	1.22	1.26	0.88	52.00	0.484
SJ-3	2.60	0.00	0.00	0.96	1.52	1.24	79.58	0.585
SJ-2	2.60	0.00	0.00	1.25	1.22	1.56	85.67	0.470
SJ-1	2.60	0.00	0.00	1.05	1.41	1.84	103.21	0.543
SJN-10	2.60	0.00	0.00	1.38	1.08	0.31	14.99	0.417
SJN-6	2.60	0.00	0.00	1.24	1.23	0.95	48.59	0.476
SJH-100_1A	2.60	0.00	0.00	0.90	1.56	1.01	46.94	0.602
SJH-100_2A	2.60	0.00	0.00	0.42	2.08	0.22	15.38	0.802
SJH-100_3A	2.60	0.00	0.00	0.90	1.58	0.50	34.63	0.609
SJH-100_4A	2.60	0.00	0.00	0.54	1.96	0.24	16.79	0.757
SJH-100_5A	2.60	0.00	0.00	1.01	1.47	0.49	35.82	0.567
SJH-102_1A	2.60	0.00	0.00	0.50	1.99	0.88	61.73	0.767
SJH-102_2A	2.60	0.00	0.00	0.34	2.17	0.32	21.98	0.835
SJH-105_1A	2.60	0.00	0.00	0.75	1.73	0.80	54.46	0.666
SJH-105_2A	2.60	0.00	0.00	0.72	1.75	0.31	21.61	0.673
SJH-106_1A	2.60	0.00	0.00	0.93	1.53	1.93	76.10	0.588
SJH-150_1A	2.60	0.00	0.00	1.10	1.37	0.56	25.29	0.527
SJH-100_6A	2.60	0.00	0.00	0.20	2.34	0.76	50.36	0.903
SJH-150_2A	2.60	0.00	0.00	1.40	1.06	0.33	11.93	0.409
SJH-152_1A	2.60	0.00	0.00	0.92	1.58	0.30	21.88	0.610
SJH-153_1A	2.60	0.00	0.00	1.13	1.36	0.46	34.80	0.523
SJH-200_1A	2.60	0.00	0.00	0.93	1.56	0.24	16.76	0.602
SJH-700A_1A	2.60	0.00	0.00	1.24	1.24	0.11	6.28	0.477
SJH-700B_1A	2.60	0.00	0.00	1.67	0.80	0.11	8.36	0.308
SJH-700A	2.60	0.00	0.00	1.36	1.11	0.39	17.75	0.428
SJH-700B	2.60	0.00	0.00	1.08	1.39	0.74	43.64	0.535
SJH-700C	2.60	0.00	0.00	1.21	1.25	0.49	25.00	0.483
SJ-4B	2.60	0.00	0.00	1.39	1.08	0.64	34.33	0.417

****
Node Depth Summary
****

SJH106_1ARoute	JUNCTION	76.09	76.09	0	06:15	1.925	1.925
SJH150_1ARoute	JUNCTION	25.29	25.29	0	06:15	0.561	0.561
SJH100Route	JUNCTION	174.98	174.98	0	06:15	2.540	2.540
SJH102Route	JUNCTION	264.12	264.12	0	06:15	4.157	4.157
SJH105Route	JUNCTION	123.84	123.84	0	06:15	1.964	1.964
SJH106Route	JUNCTION	130.16	130.16	0	06:15	2.040	2.040
SJH150Route	JUNCTION	116.69	116.69	0	06:15	1.835	1.835
SJH152Route	JUNCTION	165.63	165.63	0	06:15	2.825	2.825
SJH153Route	JUNCTION	97.40	97.40	0	06:15	1.495	1.495
SJH200Route	JUNCTION	87.06	87.06	0	06:15	1.476	1.475
SJH202Route	JUNCTION	71.13	71.13	0	06:15	1.367	1.367
SJH700Route	JUNCTION	45.73	45.73	0	06:15	0.800	0.800
SJH109Route	JUNCTION	106.85	106.85	0	06:15	1.762	1.762
SJN710Route	JUNCTION	11.17	11.17	0	06:15	0.230	0.230
SJ8Route	JUNCTION	70.05	70.05	0	06:15	1.125	1.125
SJ955Route	JUNCTION	46.09	46.09	0	06:15	0.936	0.936
SJN10Route	JUNCTION	14.98	14.98	0	06:16	0.306	0.306
SJ7Route	JUNCTION	70.39	70.39	0	06:15	1.334	1.333
SJN6Route	JUNCTION	48.58	48.58	0	06:15	0.946	0.946
SJH701Route	JUNCTION	68.82	68.82	0	06:15	1.309	1.309
SJ5Route	JUNCTION	71.80	71.80	0	06:15	1.225	1.225
SJ4Route	JUNCTION	51.99	51.99	0	06:15	0.881	0.880
SJ3Route	JUNCTION	79.58	79.58	0	06:15	1.245	1.245
SJ2Route	JUNCTION	85.65	85.65	0	06:15	1.555	1.555
SJ1Route	JUNCTION	103.19	103.19	0	06:15	1.841	1.841
Culvert1in	JUNCTION	0.00	365.29	0	06:47	0.000	37.736
Culvert1out	JUNCTION	0.00	361.27	0	06:51	0.000	37.689
Culvert2in	JUNCTION	0.00	399.33	0	06:51	0.000	39.402
Culvert2out	JUNCTION	0.00	426.89	0	06:51	0.000	40.851
RRculvertin	JUNCTION	133.83	497.74	0	06:50	4.275	45.542
RRculvertout	JUNCTION	0.00	495.33	0	06:52	0.000	45.391
OUTLET	OUTFALL	0.00	495.22	0	06:53	0.000	45.300
NorthFlowBasin01	OUTFALL	0.00	228.24	0	06:28	0.000	3.553
S.BroadwayPond	STORAGE	0.00	528.32	0	06:18	0.000	18.184
MechemPond	STORAGE	0.00	324.61	0	06:19	0.000	7.902
KathrynPond	STORAGE	0.00	245.79	0	06:17	0.000	4.858
L14PS1	STORAGE	0.00	130.80	0	10:05	0.000	19.602
SJH-700A_Pond	STORAGE	24.02	24.02	0	06:15	0.495	0.495
SJH-700B_Pond	STORAGE	51.99	51.99	0	06:15	0.842	0.842
SJH-700C_Pond	STORAGE	24.99	24.99	0	06:16	0.491	0.491

****
Node Surcharge Summary
****

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
K14073	JUNCTION	0.96	1.862	0.000
K14076	JUNCTION	1.06	6.124	0.000
K14077	JUNCTION	0.92	6.473	0.000
K14082	JUNCTION	0.33	1.794	6.140
K14083	JUNCTION	0.10	3.035	3.581
K14084	JUNCTION	0.07	2.904	3.802
K14361	JUNCTION	0.90	6.477	0.000
K14362	JUNCTION	0.91	6.504	0.000
K14371	JUNCTION	0.89	6.746	0.691
K14372	JUNCTION	0.89	6.752	0.197
K14373	JUNCTION	0.90	6.591	0.124
K14451	JUNCTION	1.53	2.557	0.000
K14463	JUNCTION	0.91	6.629	1.813
K14471	JUNCTION	0.32	1.026	2.050
K14481	JUNCTION	0.26	1.892	3.417
K14563	JUNCTION	0.89	5.453	5.519
K14592	JUNCTION	0.18	0.930	2.811
K14662	JUNCTION	0.70	4.667	6.809
K14941	JUNCTION	17.83	9.541	0.000
K14942	JUNCTION	11.88	5.918	0.397

Node	Type	Average Depth Feet	Maximum Depth Feet	Maximum HGL Feet	Time of Max Occurrence days	hr:min
J14993	JUNCTION	0.16	3.29	4965.38	0	06:17
J14994	JUNCTION	0.00	0.00	4972.97	0	00:00
J15903	JUNCTION	0.00	0.00	4983.70	0	00:00
K14071	JUNCTION	0.63	5.65	4963.92	0	06:27
K14072	JUNCTION	0.59	5.67	4964.13	0	07:09
K14073	JUNCTION	0.51	5.87	4965.03	0	07:07
K14074	JUNCTION	0.73	6.39	4964.34	0	06:27
K14075	JUNCTION	0.94	8.23	4965.80	0	06:27
K14076	JUNCTION	0.57	8.63	4968.08	0	07:03
K14077	JUNCTION	0.53	8.98	4969.15	0	07:02
K14081	JUNCTION	0.55	5.31	4965.36	0	06:15
K14082	JUNCTION	0.33	5.80	4966.13	0	06:15
K14083	JUNCTION	0.24	7.04	4968.03	0	06:15
K14084	JUNCTION	0.23	6.91	4967.99	0	06:15
K14085	JUNCTION	0.24	1.79	4968.54	0	06:30
K14091	JUNCTION	0.00	0.00	4983.26	0	00:00
K14171	JUNCTION	1.03	9.90	4966.94	0	06:23
K14172	JUNCTION	1.32	12.08	4968.77	0	06:22
K14173	JUNCTION	0.40	6.85	4970.38	0	06:21
K14174	JUNCTION	0.32	5.97	4974.05	0	06:20
K14181	JUNCTION	0.21	1.23	4976.40	0	06:30
K14182	JUNCTION	0.23	1.48	4985.61	0	06:30
K14183	JUNCTION	0.30	6.43	4985.14	0	06:19
K14191	JUNCTION	0.23	1.50	4987.16	0	06:30
K14271	JUNCTION	1.30	11.84	4967.89	0	06:23
K14281	JUNCTION	0.28	6.23	4996.22	0	06:18
K14291	JUNCTION	0.18	2.18	5002.70	0	06:18
K14361	JUNCTION	1.30	11.48	4966.51	0	06:35
K14362	JUNCTION	1.27	11.51	4966.45	0	06:35
K14371	JUNCTION	1.36	11.75	4967.27	0	06:12
K14372	JUNCTION	1.36	11.76	4967.22	0	06:12
K14373	JUNCTION	1.37	11.60	4967.00	0	06:12
K14451	JUNCTION	0.36	3.56	4963.24	0	07:00
K14461	JUNCTION	1.48	11.92	4966.23	0	06:30
K14462	JUNCTION	0.74	5.39	4968.81	0	06:17
K14463	JUNCTION	1.46	11.63	4965.85	0	06:30
K14471	JUNCTION	0.30	5.34	4974.05	0	06:34
K14481	JUNCTION	0.20	3.40	4980.03	0	06:34
K14482	JUNCTION	0.20	3.43	4980.71	0	06:34
K14483	JUNCTION	0.16	1.25	4986.52	0	06:34
K14551	JUNCTION	1.67	3.47	4964.64	0	06:48
K14563	JUNCTION	1.38	10.46	4964.10	0	06:08
K14591	JUNCTION	0.40	9.81	5004.52	0	06:33
K14592	JUNCTION	0.35	8.57	5012.70	0	06:31
K14661	JUNCTION	1.48	9.05	4961.95	0	06:17
K14662	JUNCTION	1.49	10.67	4962.82	0	06:12
K14671	JUNCTION	0.00	0.00	4971.30	0	00:00
K14672	JUNCTION	0.00	0.00	4982.92	0	00:00
K14681	JUNCTION	0.00	0.00	4992.92	0	00:00
K14761	JUNCTION	1.59	7.78	4959.43	0	06:17
K14762	JUNCTION	0.03	1.94	4959.60	0	06:17
K14771	JUNCTION	0.34	3.07	4969.59	0	06:16
K14772	JUNCTION	0.34	3.11	4980.09	0	06:16
K14781	JUNCTION	0.18	1.52	4982.89	0	06:17
K14782	JUNCTION	0.18	1.52	4985.58	0	06:17
K14783	JUNCTION	0.18	1.52	4992.28	0	06:17
K14791	JUNCTION	0.18	1.53	5009.34	0	06:16
K14792	JUNCTION	0.18	1.52	4994.98	0	06:16
K14862	JUNCTION	0.12	1.35	4957.86	0	06:17
K14863	JUNCTION	0.00	0.00	4950.53	0	00:00
K14864	JUNCTION	1.77	7.18	4957.71	0	06:17
K14871	JUNCTION	0.12	1.09	4964.15	0	06:17
K14872	JUNCTION	0.12	1.13	4972.29	0	06:16
K14873	JUNCTION	0.12	1.15	4973.11	0	06:16
K14874	JUNCTION	0.00	0.00	4962.44	0	00:00
K14875	JUNCTION	0.00	0.00	4969.98	0	00:00

K14881	JUNCTION	0.11	1.00	4984.34	0	06:16
K14882	JUNCTION	0.00	0.00	4977.49	0	00:00
K14891	JUNCTION	0.11	0.95	4994.42	0	06:15
K14892	JUNCTION	0.11	0.95	5000.53	0	06:15
K14941	JUNCTION	6.52	12.05	4949.57	0	08:15
K14942	JUNCTION	6.02	12.00	4949.15	0	09:31
K14943	JUNCTION	1.31	5.55	4949.22	0	09:32
K14951	JUNCTION	1.01	5.18	4949.85	0	08:34
K14952	JUNCTION	1.11	6.06	4949.31	0	07:47
K14953	JUNCTION	0.18	5.07	4951.18	0	07:52
K14961	JUNCTION	0.24	1.01	4950.80	0	07:39
K15001	JUNCTION	0.00	0.00	4983.70	0	00:00
K15002	JUNCTION	0.00	0.00	4983.70	0	00:00
K15003	JUNCTION	0.00	0.00	4983.70	0	00:00
K15111	JUNCTION	0.54	12.66	5041.53	0	06:15
K15121	JUNCTION	0.37	11.23	5043.27	0	06:16
K15201	JUNCTION	0.18	2.05	5024.65	0	06:16
K15211	JUNCTION	0.48	10.60	5037.76	0	06:16
K15212	JUNCTION	0.44	7.12	5032.83	0	06:17
K15213	JUNCTION	0.41	7.60	5034.87	0	06:17
K15214	JUNCTION	0.41	7.35	5035.17	0	06:16
K15311	JUNCTION	0.58	8.30	5036.47	0	06:20
K15401	JUNCTION	0.09	3.57	5021.02	0	06:29
K15501	JUNCTION	0.31	7.03	5021.12	0	06:24
K15502	JUNCTION	0.46	13.46	5045.17	0	06:18
K15601	JUNCTION	0.18	1.51	5015.22	0	06:15
K15602	JUNCTION	0.18	1.49	5015.20	0	06:16
K15604	JUNCTION	0.17	1.46	5021.51	0	06:15
L14018	JUNCTION	1.10	3.03	4942.12	0	06:31
L14041	JUNCTION	5.01	11.56	4948.27	0	08:02
L14042	JUNCTION	0.36	2.31	4947.34	0	08:27
L14051	JUNCTION	0.40	2.64	4947.46	0	08:09
L14052	JUNCTION	1.28	7.53	4949.12	0	07:46
L14053	JUNCTION	0.22	4.80	4950.68	0	07:34
L14054	JUNCTION	0.27	5.68	4951.33	0	07:51
L14055	JUNCTION	1.48	8.57	4948.78	0	07:37
L14061	JUNCTION	0.62	1.60	4950.80	0	07:38
L14071	JUNCTION	0.00	0.00	4966.23	0	00:00
L14072	JUNCTION	0.00	0.00	4975.89	0	00:00
L14081	JUNCTION	0.00	0.00	4986.53	0	00:00
L14141	JUNCTION	4.12	11.69	4948.01	0	06:16
L14142	JUNCTION	2.78	10.20	4948.11	0	09:32
L14143	JUNCTION	2.84	11.87	4947.79	0	07:34
L14151	JUNCTION	1.81	8.94	4948.12	0	07:37
L14152	JUNCTION	1.97	10.05	4947.71	0	07:36
L14161	JUNCTION	1.06	2.17	4950.80	0	07:39
L14171	JUNCTION	0.00	0.00	4978.42	0	00:00
L14172	JUNCTION	0.00	0.00	4974.47	0	00:00
L14181	JUNCTION	0.00	0.00	4987.56	0	00:00
L14182	JUNCTION	0.00	0.00	4985.32	0	00:00
L14191	JUNCTION	0.00	0.00	4996.45	0	00:00
L14192	JUNCTION	0.00	0.00	4996.67	0	00:00
L14241	JUNCTION	1.20	8.91	4948.81	0	06:22
L14242	JUNCTION	0.92	7.14	4948.28	0	06:36
L14243	JUNCTION	2.43	6.50	4947.47	0	07:14
L14244	JUNCTION	2.00	7.07	4948.47	0	06:14
L14245	JUNCTION	2.34	6.41	4947.47	0	07:42
L14251	JUNCTION	2.10	7.03	4948.35	0	06:14
L14252	JUNCTION	1.87	6.80	4948.34	0	06:14
L14261	JUNCTION	1.64	2.77	4950.21	0	07:40
L14262	JUNCTION	0.57	6.03	4964.48	0	06:26
L14263	JUNCTION	0.71	6.43	4963.89	0	06:24
L14271	JUNCTION	0.08	2.43	4964.58	0	06:24
L14272	JUNCTION	0.02	0.63	4964.61	0	06:24
L14273	JUNCTION	0.00	0.00	4972.97	0	00:00
L14274	JUNCTION	0.25	2.69	4964.74	0	06:22
L14275	JUNCTION	0.00	0.00	4975.03	0	00:00
L14281	JUNCTION	0.00	0.00	4979.97	0	00:00
L14282	JUNCTION	0.00	0.00	4982.85	0	00:00
L14291	JUNCTION	0.00	0.00	4994.67	0	00:00
L14341	JUNCTION	0.79	5.98	4947.71	0	08:15
L14342	JUNCTION	0.74	5.67	4947.66	0	07:49

L14343	JUNCTION	1.63	5.06	4947.32	0	06:57
L14344	JUNCTION	3.48	7.94	4947.91	0	07:14
L14345	JUNCTION	2.51	7.26	4948.17	0	06:14
L14346	JUNCTION	3.48	8.43	4948.46	0	06:46
L14347	JUNCTION	6.18	11.79	4947.93	0	06:14
L14348	JUNCTION	6.18	11.89	4948.03	0	06:14
L14349	JUNCTION	2.96	7.35	4947.69	0	06:14
L14351	JUNCTION	0.70	1.47	4947.88	0	06:44
L14352	JUNCTION	0.00	0.00	4949.94	0	00:00
L14353	JUNCTION	1.53	4.06	4947.52	0	07:21
L14354	JUNCTION	0.00	0.00	4949.17	0	00:00
L14355	JUNCTION	0.00	0.00	4949.40	0	00:00
L14361	JUNCTION	1.69	2.75	4949.58	0	07:41
L14362	JUNCTION	0.71	10.98	4967.99	0	06:36
L14363	JUNCTION	0.48	4.51	4961.07	0	06:19
L14364	JUNCTION	0.48	4.52	4961.08	0	06:18
L14371	JUNCTION	0.00	0.00	4974.34	0	00:00
L14372	JUNCTION	0.00	0.00	4984.47	0	00:00
L14373	JUNCTION	0.00	0.00	4984.23	0	00:00
L14381	JUNCTION	0.00	0.00	4992.31	0	00:00
L14391	JUNCTION	0.00	0.00	5000.36	0	00:00
L14392	JUNCTION	0.00	0.00	4998.35	0	00:00
L14393	JUNCTION	0.00	0.00	4998.35	0	00:00
L14394	JUNCTION	0.00	0.00	4996.11	0	00:00
L14441	JUNCTION	3.86	8.72	4948.08	0	07:14
L14442	JUNCTION	3.12	7.31	4947.47	0	07:14
L14443	JUNCTION	3.27	7.48	4947.46	0	07:14
L14444	JUNCTION	3.12	7.31	4947.47	0	07:14
L14445	JUNCTION	3.27	7.50	4947.48	0	07:14
L14451	JUNCTION	0.00	0.00	4951.97	0	00:00
L14461	JUNCTION	0.50	5.12	4959.75	0	06:18
L14462	JUNCTION	0.01	0.73	4959.89	0	06:18
L14471	JUNCTION	0.00	0.00	4970.88	0	00:00
L14472	JUNCTION	0.00	0.00	4979.88	0	00:00
L14531	JUNCTION	0.58	2.06	4942.92	0	06:57
L14532	JUNCTION	0.87	2.43	4942.92	0	07:05
L14533	JUNCTION	0.87	2.49	4942.81	0	07:04
L14534	JUNCTION	0.36	1.65	4942.81	0	07:04
L14541	JUNCTION	3.68	8.08	4947.89	0	07:33
L14542	JUNCTION	0.75	5.50	4945.09	0	06:15
L14543	JUNCTION	0.25	1.26	4942.92	0	06:56
L14544	JUNCTION	0.85	5.01	4944.46	0	06:15
L14545	JUNCTION	2.09	3.29	4942.49	0	06:35
L14546	JUNCTION	0.16	3.44	4944.20	0	06:15
L14547	JUNCTION	0.16	7.03	4947.79	0	06:15
L14551	JUNCTION	1.99	7.06	4948.96	0	06:49
L14561	JUNCTION	0.15	3.65	4957.67	0	06:18
L14562	JUNCTION	0.68	5.85	4958.55	0	06:18
L14571	JUNCTION	0.00	0.00	4962.35	0	00:00
L14572	JUNCTION	0.00	0.00	4962.76	0	00:00
L14573	JUNCTION	0.00	0.00	4962.68	0	00:00
L14574	JUNCTION	0.00	0.00	4962.73	0	00:00
L14575	JUNCTION	0.00	0.00	4963.86	0	00:00
L14581	JUNCTION	0.00	0.00	4978.81	0	00:00
L14582	JUNCTION	0.00	0.00	4970.70	0	00:00
L14583	JUNCTION	0.00	0.00	4964.97	0	00:00
L14585	JUNCTION	0.00	0.00	4975.06	0	00:00
L14591	JUNCTION	0.00	0.00	4989.67	0	00:00
L14592	JUNCTION	0.00	0.00	4987.56	0	00:00
L14631	JUNCTION	0.87	2.58	4942.69	0	06:59
L14632	JUNCTION	0.30	1.54	4942.70	0	06:59
L14633	JUNCTION	0.87	2.61	4942.64	0	06:59
L14634	JUNCTION	0.87	2.64	4942.60	0	06:59
L14635	JUNCTION	0.88	2.70	4942.53	0	06:58
L14636	JUNCTION	0.87	2.70	4942.51	0	06:58
L14641	JUNCTION	1.01	5.34	4944.63	0	06:15
L14643	JUNCTION	1.72	3.14	4942.16	0	06:32
L14644	JUNCTION	1.18	4.21	4943.24	0	06:16
L14646	JUNCTION	0.16	6.85	4947.60	0	06:15
L14651	JUNCTION	0.00	0.00	4952.17	0	00:00
L14652	JUNCTION	0.00	0.00	4952.07	0	00:00
L14653	JUNCTION	0.00	0.00	4951.94	0	00:00

L14663	JUNCTION	0.83	8.03	4960.24	0	06:14
L14662	JUNCTION	0.83	7.18	4959.38	0	07:04
L14661	JUNCTION	0.75	7.39	4959.64	0	06:14
L14681	JUNCTION	0.00	0.00	4975.52	0	00:00
L14691	JUNCTION	0.00	0.00	4983.52	0	00:00
L14731	JUNCTION	0.32	1.77	4942.43	0	06:58
L14732	JUNCTION	0.91	2.94	4942.34	0	06:54
L14733	JUNCTION	0.91	3.22	4942.33	0	06:47
L14734	JUNCTION	0.90	2.97	4942.27	0	06:54
L14736	JUNCTION	0.40	2.17	4942.33	0	06:47
L14737	JUNCTION	0.91	3.18	4942.24	0	06:47
L14738	JUNCTION	0.85	2.76	4942.43	0	06:58
L14741	JUNCTION	1.62	3.54	4941.91	0	06:34
L14742	JUNCTION	1.45	3.43	4942.12	0	06:30
L14743	JUNCTION	1.37	3.90	4942.68	0	06:17
L14745	JUNCTION	0.00	0.00	4943.68	0	00:00
L14746	JUNCTION	1.70	3.67	4942.07	0	06:30
L14749	JUNCTION	0.00	0.00	4943.27	0	00:00
L1474A	JUNCTION	1.23	4.03	4943.01	0	06:16
L1474B	JUNCTION	1.69	3.63	4942.03	0	06:30
L1474C	JUNCTION	1.70	3.63	4942.01	0	06:30
L14750	JUNCTION	0.00	0.00	4943.89	0	00:00
L14751	JUNCTION	0.00	0.00	4951.67	0	00:00
L14752	JUNCTION	0.00	0.00	4945.67	0	00:00
L14761	JUNCTION	0.00	0.00	4949.44	0	00:00
L14762	JUNCTION	0.00	0.00	4950.95	0	00:00
L14763	JUNCTION	0.65	6.04	4957.74	0	06:17
L14764	JUNCTION	0.65	6.02	4957.73	0	06:16
L14765	JUNCTION	0.61	6.36	4957.61	0	06:17
L14766	JUNCTION	0.73	7.10	4957.59	0	06:17
L14771	JUNCTION	0.00	0.00	4967.11	0	00:00
L14772	JUNCTION	0.28	2.46	4967.65	0	06:16
L14781	JUNCTION	0.00	0.00	4973.89	0	00:00
L14782	JUNCTION	0.00	0.00	4978.27	0	00:00
L14783	JUNCTION	0.13	1.17	4973.75	0	06:15
L14784	JUNCTION	0.15	1.38	4978.05	0	06:15
L14791	JUNCTION	0.00	0.00	4982.67	0	00:00
L14792	JUNCTION	0.00	0.00	4988.73	0	00:00
L14831	JUNCTION	0.92	3.30	4942.27	0	06:47
L14832	JUNCTION	0.34	2.42	4942.49	0	06:47
L14833	JUNCTION	0.93	3.63	4942.39	0	06:47
L14834	JUNCTION	0.95	3.73	4942.34	0	06:42
L14835	JUNCTION	0.37	3.93	4943.59	0	06:47
L14836	JUNCTION	0.91	4.04	4942.64	0	06:42
L14837	JUNCTION	1.65	3.67	4941.64	0	06:34
L14841	JUNCTION	1.63	3.60	4941.86	0	06:34
L14842	JUNCTION	1.63	3.58	4941.89	0	06:34
L14851	JUNCTION	0.00	0.00	4949.44	0	00:00
L14852	JUNCTION	0.00	0.00	4949.44	0	00:00
L14862	JUNCTION	0.78	7.23	4957.05	0	06:17
L14864	JUNCTION	0.78	7.20	4957.02	0	06:17
L14881	JUNCTION	0.00	0.00	4977.56	0	00:00
L14882	JUNCTION	0.14	1.22	4985.57	0	06:15
L14883	JUNCTION	0.15	1.36	4986.98	0	06:15
L14885	JUNCTION	0.00	0.00	4977.68	0	00:00
L14931	JUNCTION	0.96	6.20	4944.52	0	06:40
L14932	JUNCTION	0.29	3.84	4943.51	0	06:51
L14933	JUNCTION	0.96	6.16	4944.26	0	06:39
L14934	JUNCTION	1.66	3.69	4941.51	0	06:34
L14935	JUNCTION	1.67	3.68	4941.41	0	06:35
L14961	JUNCTION	1.31	6.74	4955.65	0	06:17
L14962	JUNCTION	1.16	6.83	4955.90	0	06:17
L14JB1	JUNCTION	2.82	12.54	4947.63	0	07:35
L14JB2	JUNCTION	1.99	3.24	4950.80	0	07:39
M14003	JUNCTION	1.34	3.84	4940.16	0	06:46
M14021	JUNCTION	0.97	7.04	4945.01	0	06:46
M14022	JUNCTION	0.98	6.82	4944.69	0	06:48
M14031	JUNCTION	1.69	3.71	4941.15	0	06:45
M14032	JUNCTION	1.67	3.71	4941.02	0	06:46
M14034	JUNCTION	0.00	0.00	4941.23	0	00:00
M14035	JUNCTION	1.63	3.73	4940.79	0	06:45
M14061	JUNCTION	0.63	4.71	4953.92	0	06:18

M14121	JUNCTION	0.99	5.85	4943.42	0	06:41
M14122	JUNCTION	0.97	4.76	4942.02	0	06:47
M14131	JUNCTION	1.59	3.76	4940.58	0	06:45
M14132	JUNCTION	1.50	3.81	4940.37	0	06:47
M14161	JUNCTION	0.00	0.00	4946.89	0	00:00
M14221	JUNCTION	1.00	5.01	4941.97	0	07:44
M14222	JUNCTION	1.10	4.67	4941.44	0	06:43
M14223	JUNCTION	1.11	5.22	4941.88	0	07:45
M14224	JUNCTION	0.63	3.25	4940.56	0	07:05
M14232	JUNCTION	1.07	3.85	4940.05	0	06:45
M14233	JUNCTION	1.11	4.51	4940.69	0	06:43
M14241	JUNCTION	1.56	5.08	4939.90	0	06:45
M14242	JUNCTION	0.84	4.25	4939.77	0	06:45
M14243	JUNCTION	1.55	4.99	4939.81	0	06:44
M14251	JUNCTION	0.96	4.37	4939.94	0	06:45
M14252	JUNCTION	0.00	0.00	4941.61	0	00:00
M14253	JUNCTION	0.07	0.14	4941.98	0	12:24
M14254	JUNCTION	0.07	0.14	4939.86	0	12:25
M14261	JUNCTION	0.00	0.00	4945.86	0	00:00
M14263	JUNCTION	0.06	0.13	4949.56	0	12:22
M14264	JUNCTION	0.06	0.14	4944.78	0	12:23
M14271	JUNCTION	0.16	1.06	4968.05	0	06:18
M14281	JUNCTION	0.00	0.00	4978.10	0	00:00
M14282	JUNCTION	0.00	0.00	4989.11	0	00:00
M1431A	JUNCTION	1.09	4.46	4940.42	0	06:43
M1431B	JUNCTION	1.49	4.69	4939.86	0	06:45
M14321	JUNCTION	1.13	4.57	4940.94	0	06:45
M1432A	JUNCTION	1.13	4.56	4940.89	0	06:43
M1432B	JUNCTION	1.16	4.47	4940.16	0	06:44
M14333	JUNCTION	0.01	0.10	4935.89	0	06:52
M14334	JUNCTION	0.17	3.16	4937.02	0	06:43
M1433B	JUNCTION	1.65	3.72	4940.92	0	06:45
M14341	JUNCTION	1.62	5.21	4939.83	0	06:45
M14342	JUNCTION	1.75	5.36	4939.76	0	06:45
M14343	JUNCTION	0.06	1.20	4935.88	0	06:53
M14344	JUNCTION	0.16	2.04	4935.88	0	06:52
M14351	JUNCTION	0.44	2.59	4935.91	0	06:52
M14352	JUNCTION	0.75	3.25	4935.87	0	06:52
M14353	JUNCTION	0.37	2.71	4935.88	0	06:52
M14421	JUNCTION	0.21	3.61	4937.18	0	06:43
M1442A	JUNCTION	0.16	2.03	4936.06	0	06:49
M1442B	JUNCTION	0.00	0.00	4935.17	0	00:00
M14431	JUNCTION	0.09	1.33	4936.06	0	06:49
M14433	JUNCTION	0.03	0.75	4935.77	0	06:52
M14435	JUNCTION	0.04	1.00	4935.76	0	06:53
M14441	JUNCTION	0.41	2.60	4936.05	0	06:49
M14442	JUNCTION	0.11	1.80	4935.76	0	06:54
M14443	JUNCTION	0.00	0.00	4933.86	0	00:00
M14444	JUNCTION	0.00	0.00	4933.94	0	00:00
M14445	JUNCTION	0.20	2.43	4935.76	0	06:53
M14451	JUNCTION	0.66	3.28	4935.83	0	06:53
M14452	JUNCTION	0.00	0.00	4933.25	0	00:00
M14453	JUNCTION	0.42	3.24	4935.75	0	06:53
M14454	JUNCTION	0.49	4.27	4937.26	0	06:16
M14455	JUNCTION	0.46	4.25	4937.28	0	06:16
M14456	JUNCTION	0.32	4.08	4937.27	0	06:16
M14521	JUNCTION	0.47	4.12	4936.88	0	06:43
M14522	JUNCTION	0.27	5.40	4938.57	0	06:41
M14551	JUNCTION	0.18	3.22	4937.17	0	06:19
M14621	JUNCTION	0.53	4.77	4937.12	0	06:37
M14622	JUNCTION	0.67	4.83	4936.80	0	06:44
M14631	JUNCTION	0.77	5.13	4936.75	0	06:45
M14641	JUNCTION	1.01	5.46	4936.69	0	06:45
M14642	JUNCTION	1.18	4.92	4935.78	0	06:51
M14CH3	JUNCTION	2.25	6.14	4935.62	0	06:54
M14FG1	JUNCTION	1.24	4.16	4935.82	0	06:53
M14FG2	JUNCTION	1.32	4.50	4935.76	0	06:53
M14FG3	JUNCTION	1.32	4.52	4935.75	0	06:53
M14IN1	JUNCTION	30.07	37.84	4941.49	0	06:48
M14IN2	JUNCTION	0.00	0.00	4941.82	0	00:00
M14OU1	JUNCTION	1.12	3.70	4935.87	0	06:53
M14OU3	JUNCTION	1.32	4.53	4935.75	0	06:53

M15201	JUNCTION	0.00	0.00	5004.84	0	00:00
K14954	JUNCTION	7.59	12.06	4949.97	0	08:30
K14945	JUNCTION	7.45	11.99	4949.87	0	08:22
K14944	JUNCTION	6.80	12.17	4949.78	0	08:18
K14MH1	JUNCTION	2.00	6.29	4956.41	0	06:59
K14JB1	JUNCTION	6.64	13.41	4955.87	0	07:01
L14GAR	JUNCTION	1.14	6.19	4957.73	0	06:17
K14CRO	JUNCTION	1.36	7.68	4958.71	0	06:14
K14PAC	JUNCTION	1.78	6.88	4957.37	0	06:17
K14MH2	JUNCTION	1.81	5.87	4956.01	0	07:01
K14PL1	JUNCTION	0.00	0.00	4951.10	0	00:00
K14CR1	JUNCTION	0.52	5.99	4959.29	0	06:14
M14M02	JUNCTION	1.34	6.80	4948.22	0	06:34
M14M03	JUNCTION	0.77	6.88	4950.90	0	06:18
M14M04	JUNCTION	0.58	5.00	4951.35	0	06:19
M14M05	JUNCTION	0.81	5.64	4952.79	0	06:19
M14M06	JUNCTION	0.00	0.00	4964.10	0	00:00
M14MY1	JUNCTION	0.74	5.66	4952.99	0	06:19
M14M08	JUNCTION	0.39	5.10	4953.14	0	06:19
M14M09	JUNCTION	0.23	2.77	4953.26	0	06:18
M14M10	JUNCTION	0.20	1.33	4956.44	0	06:19
M14M11	JUNCTION	0.17	1.22	4957.28	0	06:19
M14M13	JUNCTION	1.48	5.98	4942.40	0	06:45
M14PL1	JUNCTION	0.00	0.00	4955.67	0	00:00
L14JB3	JUNCTION	4.54	8.91	4947.48	0	07:14
L14K01	JUNCTION	1.54	8.35	4951.18	0	06:38
L14K02	JUNCTION	1.39	8.68	4951.90	0	06:32
L14K03	JUNCTION	0.23	4.55	4954.53	0	06:18
L14K04	JUNCTION	0.43	4.74	4955.55	0	06:18
L14K05	JUNCTION	0.29	3.36	4956.08	0	06:18
L14K06	JUNCTION	0.56	5.68	4958.51	0	06:17
L14IN1	JUNCTION	1.38	4.35	4944.95	0	07:08
M14601	JUNCTION	0.65	3.59	4935.66	0	06:53
M14600	JUNCTION	0.59	3.59	4935.66	0	06:54
M14015	JUNCTION	1.66	8.88	4940.35	0	06:31
M14016	JUNCTION	1.63	8.83	4940.24	0	06:32
M14017	JUNCTION	0.97	4.73	4936.20	0	06:49
M14CH1	JUNCTION	1.75	5.47	4935.67	0	06:54
L14JB3_OrificeNode	JUNCTION	2.83	4.11	4942.68	0	06:36
BH134Route	JUNCTION	0.03	0.37	5024.37	0	06:16
SJH100_1ARoute	JUNCTION	0.03	0.19	5126.19	0	06:30
SJH100_2ARoute	JUNCTION	0.01	0.13	5072.13	0	06:15
SJH100_3ARoute	JUNCTION	0.02	0.16	5130.16	0	06:16
SJH100_4ARoute	JUNCTION	0.01	0.11	5064.11	0	06:15
SJH100_5ARoute	JUNCTION	0.01	0.17	5076.17	0	06:15
SJH102_1ARoute	JUNCTION	0.02	0.26	5096.26	0	06:15
SJH102_2ARoute	JUNCTION	0.01	0.15	5070.15	0	06:15
SJH105_1ARoute	JUNCTION	0.02	0.23	5078.23	0	06:15
SJH105_2ARoute	JUNCTION	0.01	0.11	5056.11	0	06:15
SJH106_1ARoute	JUNCTION	0.04	0.27	5124.27	0	06:30
SJH150_1ARoute	JUNCTION	0.02	0.14	5028.14	0	06:17
SJH100Route	JUNCTION	0.05	0.55	5038.55	0	06:15
SJH102Route	JUNCTION	0.06	0.72	5046.72	0	06:15
SJH105Route	JUNCTION	0.04	0.43	5022.43	0	06:15
SJH106Route	JUNCTION	0.04	0.41	5010.41	0	06:15
SJH150Route	JUNCTION	0.04	0.45	5004.45	0	06:16
SJH152Route	JUNCTION	0.05	0.49	5018.49	0	06:16
SJH153Route	JUNCTION	0.03	0.37	5016.37	0	06:16
SJH200Route	JUNCTION	0.04	0.32	5038.32	0	06:17
SJH202Route	JUNCTION	0.05	0.44	4974.44	0	06:16
SJH700Route	JUNCTION	0.02	0.23	5022.23	0	06:18
SJH109Route	JUNCTION	0.05	0.53	4956.53	0	06:16
SJN710Route	JUNCTION	0.01	0.08	4998.08	0	06:22
SJ8Route	JUNCTION	0.03	0.35	4960.35	0	06:16
SJ955Route	JUNCTION	0.08	0.52	4940.52	0	06:30
SJN10Route	JUNCTION	0.04	0.26	4942.26	0	06:35
SJ7Route	JUNCTION	0.03	0.33	4964.33	0	06:15
SJN6Route	JUNCTION	0.07	0.48	4946.48	0	06:24
SJH701Route	JUNCTION	0.10	0.22	4970.22	0	07:16
SJ5Route	JUNCTION	0.04	0.36	4964.36	0	06:16
SJ4Route	JUNCTION	0.03	0.31	4958.31	0	06:16
SJ3Route	JUNCTION	0.04	0.46	4966.46	0	06:15

SJ2Route	JUNCTION	0.04	0.42	4958.42	0	06:15
SJ1Route	JUNCTION	0.03	0.26	4970.26	0	06:17
Culvert1in	JUNCTION	1.51	5.19	4935.67	0	06:54
Culvert1out	JUNCTION	1.67	5.38	4935.67	0	06:54
Culvert2in	JUNCTION	1.99	5.84	4935.63	0	06:54
Culvert2out	JUNCTION	2.21	6.10	4935.63	0	06:54
RRculvertin	JUNCTION	1.58	4.40	4931.84	0	06:53
RRculvertout	JUNCTION	1.78	4.63	4931.83	0	06:53
OUTLET	OUTFALL	1.02	3.37	4930.37	0	06:53
NorthFlowBasin01	OUTFALL	0.03	0.67	4956.67	0	06:28
S.BroadwayPond	STORAGE	9.63	17.20	4955.55	0	07:23
MechemPond	STORAGE	2.49	9.31	4946.97	0	06:41
KathrynPond	STORAGE	2.75	6.27	4946.87	0	07:09
L14PS1	STORAGE	6.75	22.91	4947.58	0	07:36
SJH-700A_Pond	STORAGE	3.96	5.58	4997.58	0	23:59
SJH-700B_Pond	STORAGE	3.93	5.63	4991.63	0	23:59
SJH-700C_Pond	STORAGE	3.00	4.13	4978.13	0	12:21

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Node Inflow Summary
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Node	Type	Maximum Lateral Inflow CFS	Maximum Total Inflow CFS	Time of Max Occurrence days	hr:min	Lateral Inflow Volume 10^6 gal	Total Inflow Volume 10^6 gal
J14993	JUNCTION	0.00	21.81	0	06:12	0.000	0.024
J14994	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
J15903	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
K14071	JUNCTION	0.00	229.63	0	06:26	0.000	4.184
K14072	JUNCTION	0.00	95.52	0	07:09	0.000	1.613
K14073	JUNCTION	0.00	89.38	0	06:17	0.000	1.584
K14074	JUNCTION	0.00	168.58	0	06:27	0.000	3.319
K14075	JUNCTION	0.00	187.11	0	06:24	0.000	3.760
K14076	JUNCTION	0.00	34.45	0	06:31	0.000	1.002
K14077	JUNCTION	0.00	34.44	0	06:31	0.000	0.998
K14081	JUNCTION	0.00	89.85	0	06:16	0.000	1.635
K14082	JUNCTION	0.00	47.31	0	06:10	0.000	0.143
K14083	JUNCTION	0.00	44.86	0	06:11	0.000	0.108
K14084	JUNCTION	0.00	36.23	0	06:11	0.000	0.076
K14085	JUNCTION	0.00	34.40	0	06:30	0.000	0.995
K14091	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
K14171	JUNCTION	0.00	152.84	0	06:22	0.000	3.256
K14172	JUNCTION	0.00	270.35	0	06:21	0.000	6.760
K14173	JUNCTION	0.00	272.43	0	06:20	0.000	5.524
K14174	JUNCTION	0.00	278.93	0	06:13	0.000	5.526
K14181	JUNCTION	0.00	34.40	0	06:30	0.000	0.995
K14182	JUNCTION	0.00	34.40	0	06:30	0.000	0.995
K14183	JUNCTION	0.00	294.01	0	06:15	0.000	5.525
K14191	JUNCTION	0.00	34.40	0	06:30	0.000	0.995
K14271	JUNCTION	0.00	140.89	0	06:10	0.000	4.792
K14281	JUNCTION	0.00	301.79	0	06:15	0.000	5.535
K14291	JUNCTION	0.00	140.93	0	06:17	0.000	2.985
K14361	JUNCTION	0.00	205.73	0	06:12	0.000	4.802
K14362	JUNCTION	0.00	541.01	0	06:59	0.000	4.881
K14371	JUNCTION	0.00	136.82	0	06:17	0.000	4.796
K14372	JUNCTION	0.00	136.91	0	06:17	0.000	4.801
K14373	JUNCTION	0.00	136.88	0	06:17	0.000	4.801
K14451	JUNCTION	0.00	3.56	0	06:29	0.000	0.068
K14461	JUNCTION	0.00	266.46	0	06:10	0.000	9.358
K14462	JUNCTION	0.00	249.37	0	06:15	0.000	4.354
K14463	JUNCTION	0.00	210.27	0	06:11	0.000	9.193
K14471	JUNCTION	0.00	13.47	0	06:35	0.000	0.322
K14481	JUNCTION	0.00	13.47	0	06:35	0.000	0.322
K14482	JUNCTION	0.00	13.47	0	06:34	0.000	0.322
K14483	JUNCTION	0.00	13.47	0	06:34	0.000	0.322
K14551	JUNCTION	0.00	97.47	0	06:18	0.000	1.799
K14563	JUNCTION	0.00	210.31	0	06:11	0.000	9.193
K14591	JUNCTION	0.00	14.47	0	06:24	0.000	0.322

K14592	JUNCTION	0.00	14.68	0	06:24	0.000	0.324
K14661	JUNCTION	0.00	213.11	0	06:11	0.000	10.297
K14662	JUNCTION	0.00	213.24	0	06:34	0.000	10.310
K14671	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
K14672	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
K14681	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
K14761	JUNCTION	0.00	348.63	0	06:16	0.000	13.068
K14762	JUNCTION	0.00	1.14	0	06:13	0.000	0.001
K14771	JUNCTION	0.00	163.55	0	06:16	0.000	2.752
K14772	JUNCTION	0.00	163.12	0	06:15	0.000	2.753
K14781	JUNCTION	0.00	52.33	0	06:17	0.000	0.793
K14782	JUNCTION	0.00	52.27	0	06:17	0.000	0.794
K14783	JUNCTION	0.00	52.20	0	06:16	0.000	0.793
K14791	JUNCTION	0.00	52.11	0	06:16	0.000	0.795
K14792	JUNCTION	0.00	52.14	0	06:16	0.000	0.795
K14862	JUNCTION	0.00	20.63	0	06:17	0.000	0.307
K14863	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
K14864	JUNCTION	0.00	163.37	0	06:16	0.000	4.013
K14871	JUNCTION	0.00	20.66	0	06:16	0.000	0.307
K14872	JUNCTION	0.00	20.70	0	06:16	0.000	0.307
K14873	JUNCTION	0.00	20.69	0	06:16	0.000	0.308
K14874	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
K14875	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
K14881	JUNCTION	0.00	20.83	0	06:15	0.000	0.306
K14882	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
K14891	JUNCTION	0.00	20.87	0	06:15	0.000	0.307
K14892	JUNCTION	0.00	20.87	0	06:15	0.000	0.308
K14941	JUNCTION	0.00	34.23	0	09:32	0.000	13.511
K14942	JUNCTION	0.00	34.22	0	09:32	0.000	13.511
K14943	JUNCTION	0.00	9.75	0	09:32	0.000	0.001
K14951	JUNCTION	0.00	24.18	0	08:13	0.000	2.014
K14952	JUNCTION	0.00	23.99	0	08:11	0.000	2.031
K14953	JUNCTION	0.00	2.15	0	07:51	0.000	0.012
K14961	JUNCTION	0.00	2.10	0	06:16	0.000	0.009
K15001	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
K15002	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
K15003	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
K15111	JUNCTION	50.36	89.05	0	06:15	0.764	1.484
K15121	JUNCTION	0.00	27.76	0	06:16	0.000	0.500
K15201	JUNCTION	0.00	140.54	0	06:17	0.000	3.006
K15211	JUNCTION	0.00	79.29	0	06:15	0.000	1.479
K15212	JUNCTION	0.00	140.78	0	06:16	0.000	3.006
K15213	JUNCTION	0.00	60.87	0	06:15	0.000	1.289
K15214	JUNCTION	0.00	62.04	0	06:15	0.000	1.285
K15311	JUNCTION	0.00	56.22	0	06:15	0.000	0.873
K15401	JUNCTION	0.00	2.32	0	06:16	0.000	0.005
K15501	JUNCTION	0.00	17.57	0	06:15	0.000	0.330
K15502	JUNCTION	0.00	21.62	0	06:15	0.000	0.319
K15601	JUNCTION	0.00	0.20	0	06:06	0.000	0.001
K15602	JUNCTION	0.00	52.09	0	06:16	0.000	0.793
K15604	JUNCTION	0.00	51.98	0	06:15	0.000	0.795
L14018	JUNCTION	0.00	5.32	0	06:15	0.000	0.029
L14041	JUNCTION	0.00	33.80	0	10:04	0.000	13.513
L14042	JUNCTION	0.00	1.23	0	07:54	0.000	0.042
L14051	JUNCTION	0.00	3.08	0	08:47	0.000	0.108
L14052	JUNCTION	0.00	26.25	0	08:14	0.000	2.055
L14053	JUNCTION	0.00	2.82	0	07:53	0.000	0.022
L14054	JUNCTION	0.00	1.98	0	07:51	0.000	0.025
L14055	JUNCTION	0.00	29.32	0	08:20	0.000	2.173
L14061	JUNCTION	0.00	4.52	0	06:14	0.000	0.036
L14071	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14072	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14081	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14141	JUNCTION	0.00	33.80	0	10:04	0.000	13.514
L14142	JUNCTION	0.00	5.11	0	09:32	0.000	0.002
L14143	JUNCTION	0.00	70.31	0	07:26	0.000	15.098
L14151	JUNCTION	0.00	80.61	0	06:15	0.000	3.612
L14152	JUNCTION	0.00	73.46	0	06:17	0.000	4.807
L14161	JUNCTION	0.00	6.92	0	06:12	0.000	0.078
L14171	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14172	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14181	JUNCTION	0.00	0.00	0	00:00	0.000	0.000

L14182	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14191	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14192	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14241	JUNCTION	0.00	10.87	0	08:13	0.000	0.273
L14242	JUNCTION	0.00	10.87	0	08:13	0.000	0.257
L14243	JUNCTION	0.00	12.01	0	07:01	0.000	1.424
L14244	JUNCTION	0.00	12.02	0	07:01	0.000	1.411
L14245	JUNCTION	0.00	12.01	0	07:01	0.000	1.420
L14251	JUNCTION	0.00	12.02	0	07:01	0.000	1.415
L14252	JUNCTION	0.00	12.02	0	07:01	0.000	1.411
L14261	JUNCTION	0.00	73.67	0	07:39	0.000	19.571
L14262	JUNCTION	11.93	112.68	0	06:16	0.326	2.115
L14263	JUNCTION	0.00	137.87	0	06:36	0.000	2.722
L14271	JUNCTION	0.00	10.00	0	06:14	0.000	0.023
L14272	JUNCTION	0.00	3.20	0	06:15	0.000	0.005
L14273	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14274	JUNCTION	0.00	20.88	0	06:17	0.000	0.558
L14275	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14281	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14282	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14291	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14341	JUNCTION	0.00	23.73	0	08:15	0.000	0.255
L14342	JUNCTION	0.00	18.24	0	08:28	0.000	0.148
L14343	JUNCTION	0.00	11.27	0	10:55	0.000	0.146
L14344	JUNCTION	0.00	125.18	0	06:16	0.000	20.758
L14345	JUNCTION	0.00	13.72	0	06:12	0.000	1.428
L14346	JUNCTION	0.00	121.91	0	06:16	0.000	20.771
L14347	JUNCTION	0.00	13.73	0	06:12	0.000	1.436
L14348	JUNCTION	0.00	13.74	0	06:12	0.000	1.442
L14349	JUNCTION	0.00	16.45	0	06:12	0.000	1.451
L14351	JUNCTION	0.00	122.12	0	06:16	0.000	20.777
L14352	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14353	JUNCTION	0.00	122.13	0	06:16	0.000	20.777
L14354	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14355	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14361	JUNCTION	0.00	73.67	0	07:40	0.000	19.556
L14362	JUNCTION	0.00	102.05	0	06:38	0.000	2.718
L14363	JUNCTION	0.00	101.75	0	06:38	0.000	2.715
L14364	JUNCTION	0.00	0.25	0	06:06	0.000	0.001
L14371	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14372	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14373	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14381	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14391	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14392	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14393	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14394	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14441	JUNCTION	0.00	122.67	0	06:17	0.000	20.529
L14442	JUNCTION	0.00	19.33	0	06:11	0.000	1.471
L14443	JUNCTION	0.00	21.67	0	06:11	0.000	1.487
L14444	JUNCTION	0.00	0.07	0	06:06	0.000	0.000
L14445	JUNCTION	0.00	0.05	0	05:58	0.000	0.000
L14451	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14461	JUNCTION	0.00	102.84	0	06:36	0.000	2.707
L14462	JUNCTION	0.00	1.01	0	06:17	0.000	0.000
L14471	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14472	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14531	JUNCTION	0.00	1.71	0	06:27	0.000	0.006
L14532	JUNCTION	0.00	17.28	0	07:54	0.000	2.874
L14533	JUNCTION	0.00	17.43	0	07:51	0.000	2.866
L14534	JUNCTION	0.00	0.35	0	06:27	0.000	0.001
L14541	JUNCTION	0.00	171.20	0	06:16	0.000	4.445
L14542	JUNCTION	0.00	2.65	0	06:15	0.000	0.005
L14543	JUNCTION	0.00	0.51	0	06:29	0.000	0.002
L14544	JUNCTION	0.00	6.52	0	06:15	0.000	0.029
L14545	JUNCTION	0.00	60.08	0	07:14	0.000	19.290
L14546	JUNCTION	0.00	3.02	0	06:15	0.000	0.008
L14547	JUNCTION	0.00	2.65	0	06:15	0.000	0.006
L14551	JUNCTION	0.00	133.85	0	06:25	0.000	3.557
L14561	JUNCTION	0.00	24.73	0	06:18	0.000	0.098
L14562	JUNCTION	21.88	157.32	0	06:15	0.302	3.259
L14571	JUNCTION	0.00	0.00	0	00:00	0.000	0.000

L14572	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14573	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14574	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14575	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14581	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14582	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14583	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14585	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14591	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14592	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14631	JUNCTION	0.00	17.55	0	07:52	0.000	2.868
L14632	JUNCTION	0.00	0.36	0	06:44	0.000	0.001
L14633	JUNCTION	0.00	17.69	0	07:52	0.000	2.868
L14634	JUNCTION	0.00	17.75	0	07:52	0.000	2.869
L14635	JUNCTION	0.00	17.83	0	07:52	0.000	2.869
L14636	JUNCTION	0.00	17.91	0	07:52	0.000	2.870
L14641	JUNCTION	34.32	34.32	0	06:15	0.642	0.660
L14643	JUNCTION	0.00	59.64	0	07:04	0.000	19.261
L14644	JUNCTION	0.00	32.96	0	06:16	0.000	0.639
L14646	JUNCTION	0.00	1.81	0	06:15	0.000	0.002
L14651	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14652	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14653	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14663	JUNCTION	0.00	75.23	0	06:14	0.000	2.357
L14662	JUNCTION	0.00	3.25	0	07:04	0.000	0.002
L14661	JUNCTION	0.00	104.06	0	06:14	0.000	2.364
L14681	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14691	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14731	JUNCTION	0.00	0.27	0	06:39	0.000	0.001
L14732	JUNCTION	0.00	18.21	0	07:52	0.000	2.868
L14733	JUNCTION	0.00	18.64	0	07:51	0.000	2.866
L14734	JUNCTION	0.00	18.43	0	07:51	0.000	2.869
L14736	JUNCTION	0.00	0.60	0	06:43	0.000	0.001
L14737	JUNCTION	0.00	18.82	0	07:50	0.000	2.866
L14738	JUNCTION	0.00	18.01	0	07:52	0.000	2.870
L14741	JUNCTION	0.00	26.37	0	06:17	0.000	6.240
L14742	JUNCTION	0.00	62.73	0	06:16	0.000	1.244
L14743	JUNCTION	0.00	33.67	0	06:16	0.000	0.640
L14745	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14746	JUNCTION	0.00	57.16	0	06:17	0.000	1.208
L14749	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L1474A	JUNCTION	0.00	33.15	0	06:16	0.000	0.641
L1474B	JUNCTION	0.00	55.48	0	06:18	0.000	1.202
L1474C	JUNCTION	0.00	116.23	0	06:16	0.000	22.041
L14750	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14751	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14752	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14761	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14762	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14763	JUNCTION	0.00	0.37	0	06:06	0.000	0.001
L14764	JUNCTION	0.00	69.57	0	06:14	0.000	2.362
L14765	JUNCTION	0.00	65.50	0	06:36	0.000	2.356
L14766	JUNCTION	0.00	167.06	0	06:17	0.000	4.298
L14771	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14772	JUNCTION	0.00	119.38	0	06:16	0.000	1.943
L14781	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14782	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14783	JUNCTION	0.00	34.53	0	06:15	0.000	0.455
L14784	JUNCTION	0.00	34.64	0	06:15	0.000	0.455
L14791	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14792	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14831	JUNCTION	0.00	18.98	0	07:50	0.000	2.869
L14832	JUNCTION	0.00	1.03	0	06:43	0.000	0.002
L14833	JUNCTION	0.00	19.31	0	07:50	0.000	2.869
L14834	JUNCTION	0.00	19.67	0	07:49	0.000	2.876
L14835	JUNCTION	0.00	1.10	0	06:36	0.000	0.002
L14836	JUNCTION	0.00	19.94	0	07:49	0.000	2.880
L14837	JUNCTION	0.00	25.43	0	06:18	0.000	6.233
L14841	JUNCTION	0.00	26.09	0	06:17	0.000	6.238
L14842	JUNCTION	0.00	26.19	0	06:17	0.000	6.238
L14851	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14852	JUNCTION	0.00	0.00	0	00:00	0.000	0.000

L14862	JUNCTION	0.00	0.49	0	06:04	0.000	0.007
L14864	JUNCTION	0.00	230.38	0	06:17	0.000	5.767
L14881	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14882	JUNCTION	0.00	34.72	0	06:15	0.000	0.455
L14883	JUNCTION	34.79	34.79	0	06:15	0.455	0.455
L14885	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14931	JUNCTION	0.00	20.39	0	07:48	0.000	2.904
L14932	JUNCTION	0.00	2.37	0	06:37	0.000	0.007
L14933	JUNCTION	0.00	21.50	0	07:48	0.000	2.918
L14934	JUNCTION	0.00	25.09	0	06:19	0.000	6.234
L14935	JUNCTION	0.00	24.87	0	06:19	0.000	6.233
L14961	JUNCTION	0.00	229.94	0	06:17	0.000	5.755
L14962	JUNCTION	0.00	230.12	0	06:17	0.000	5.758
L14JB1	JUNCTION	0.00	94.69	0	06:15	0.000	19.588
L14JB2	JUNCTION	0.00	73.69	0	07:36	0.000	19.642
M14003	JUNCTION	0.00	24.25	0	06:30	0.000	7.189
M14021	JUNCTION	0.00	21.61	0	07:48	0.000	2.929
M14022	JUNCTION	0.00	21.72	0	07:48	0.000	2.947
M14031	JUNCTION	0.00	25.03	0	06:20	0.000	7.244
M14032	JUNCTION	0.00	24.74	0	06:26	0.000	7.211
M14034	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
M14035	JUNCTION	0.00	24.63	0	06:30	0.000	7.205
M14061	JUNCTION	0.00	229.92	0	06:17	0.000	5.750
M14121	JUNCTION	0.00	22.42	0	07:47	0.000	2.969
M14122	JUNCTION	0.00	25.25	0	07:44	0.000	2.983
M14131	JUNCTION	0.00	24.56	0	06:30	0.000	7.201
M14132	JUNCTION	0.00	24.45	0	06:30	0.000	7.195
M14161	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
M14221	JUNCTION	0.00	26.56	0	07:44	0.000	2.990
M14222	JUNCTION	0.00	38.11	0	06:43	0.000	3.843
M14223	JUNCTION	0.00	34.34	0	06:43	0.000	3.863
M14224	JUNCTION	0.00	12.21	0	06:43	0.000	0.107
M14232	JUNCTION	0.00	24.29	0	07:31	0.000	7.185
M14233	JUNCTION	0.00	29.82	0	07:43	0.000	3.758
M14241	JUNCTION	0.00	78.13	0	06:17	0.000	6.563
M14242	JUNCTION	0.00	2.71	0	06:19	0.000	0.103
M14243	JUNCTION	0.00	66.32	0	07:00	0.000	12.998
M14251	JUNCTION	0.00	62.25	0	06:16	0.000	1.329
M14252	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
M14253	JUNCTION	0.00	0.32	0	12:23	0.000	0.078
M14254	JUNCTION	0.00	0.32	0	12:24	0.000	0.078
M14261	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
M14263	JUNCTION	0.00	0.32	0	12:21	0.000	0.079
M14264	JUNCTION	0.00	0.32	0	12:22	0.000	0.078
M14271	JUNCTION	0.00	37.59	0	06:18	0.000	0.796
M14281	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
M14282	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
M1431A	JUNCTION	0.00	29.82	0	07:43	0.000	3.757
M1431B	JUNCTION	0.00	142.91	0	06:35	0.000	26.665
M14321	JUNCTION	0.00	29.82	0	07:43	0.000	3.755
M1432A	JUNCTION	0.00	29.82	0	07:43	0.000	3.759
M1432B	JUNCTION	0.00	29.84	0	07:43	0.000	3.755
M14333	JUNCTION	0.00	0.06	0	06:51	0.000	0.000
M14334	JUNCTION	0.00	2.91	0	06:33	0.000	0.008
M1433B	JUNCTION	0.00	24.69	0	06:30	0.000	7.208
M14341	JUNCTION	0.00	76.15	0	06:18	0.000	6.559
M14342	JUNCTION	0.00	353.78	0	06:44	0.000	35.915
M14343	JUNCTION	0.00	1.21	0	06:37	0.000	0.005
M14344	JUNCTION	0.00	2.33	0	06:38	0.000	0.019
M14351	JUNCTION	0.00	353.24	0	06:45	0.000	35.853
M14352	JUNCTION	0.00	3.33	0	06:38	0.000	0.057
M14353	JUNCTION	0.00	2.98	0	06:38	0.000	0.037
M14421	JUNCTION	0.00	7.37	0	06:34	0.000	0.035
M1442A	JUNCTION	0.00	3.13	0	06:16	0.000	0.020
M1442B	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
M14431	JUNCTION	0.00	1.44	0	06:18	0.000	0.004
M14433	JUNCTION	0.00	0.25	0	06:41	0.000	0.001
M14435	JUNCTION	0.00	0.84	0	06:40	0.000	0.004
M14441	JUNCTION	0.00	33.24	0	06:30	0.000	0.938
M14442	JUNCTION	0.00	1.70	0	06:41	0.000	0.014
M14443	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
M14444	JUNCTION	0.00	0.00	0	00:00	0.000	0.000

M14445	JUNCTION	0.00	2.45	0	06:40	0.000	0.031
M14451	JUNCTION	0.00	33.26	0	06:31	0.000	0.921
M14452	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
M14453	JUNCTION	0.00	3.16	0	06:33	0.000	0.050
M14454	JUNCTION	0.00	59.57	0	06:16	0.000	1.136
M14455	JUNCTION	0.00	4.37	0	06:21	0.000	0.033
M14456	JUNCTION	0.00	4.35	0	06:21	0.000	0.024
M14521	JUNCTION	0.00	12.48	0	06:35	0.000	0.357
M14522	JUNCTION	0.00	10.32	0	06:34	0.000	0.076
M14551	JUNCTION	0.00	3.73	0	06:22	0.000	0.009
M14621	JUNCTION	0.00	8.39	0	06:44	0.000	0.326
M14622	JUNCTION	0.00	8.39	0	06:44	0.000	0.352
M14631	JUNCTION	0.00	8.39	0	06:44	0.000	0.388
M14641	JUNCTION	33.12	36.17	0	06:43	1.232	1.584
M14642	JUNCTION	0.00	36.17	0	06:43	0.000	1.522
M14CH3	JUNCTION	26.57	433.65	0	06:51	0.397	41.412
M14FG1	JUNCTION	0.00	358.12	0	06:46	0.000	36.672
M14FG2	JUNCTION	0.00	374.51	0	06:46	0.000	37.765
M14FG3	JUNCTION	0.00	371.43	0	06:46	0.000	37.757
M14IN1	JUNCTION	0.00	5.13	0	07:17	0.000	1.047
M14IN2	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
M14OU1	JUNCTION	0.00	346.46	0	06:45	0.000	35.860
M14OU3	JUNCTION	0.00	371.14	0	06:46	0.000	37.785
M15201	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
K14954	JUNCTION	0.00	44.58	0	07:24	0.000	15.550
K14945	JUNCTION	0.00	33.67	0	10:15	0.000	13.528
K14944	JUNCTION	0.00	33.68	0	10:15	0.000	13.520
K14MH1	JUNCTION	0.00	347.45	0	06:17	0.000	13.054
K14JB1	JUNCTION	0.00	528.39	0	06:17	0.000	17.620
L14GAR	JUNCTION	0.00	12.39	0	06:15	0.000	0.029
K14CRO	JUNCTION	0.00	12.80	0	06:11	0.000	0.097
K14PAC	JUNCTION	0.00	160.91	0	06:18	0.000	3.944
K14MH2	JUNCTION	0.00	160.88	0	06:18	0.000	3.992
K14PL1	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
K14CR1	JUNCTION	0.00	1.99	0	06:14	0.000	0.001
M14M02	JUNCTION	0.00	324.58	0	06:19	0.000	7.904
M14M03	JUNCTION	0.00	324.60	0	06:19	0.000	7.900
M14M04	JUNCTION	0.00	326.71	0	06:18	0.000	7.900
M14M05	JUNCTION	0.00	327.55	0	06:18	0.000	7.903
M14M06	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
M14MY1	JUNCTION	0.00	328.16	0	06:18	0.000	7.919
M14M08	JUNCTION	0.00	102.28	0	06:19	0.000	2.173
M14M09	JUNCTION	0.00	37.56	0	06:19	0.000	0.794
M14M10	JUNCTION	0.00	37.58	0	06:19	0.000	0.795
M14M11	JUNCTION	0.00	37.58	0	06:18	0.000	0.795
M14M13	JUNCTION	0.00	27.55	0	08:01	0.000	5.235
M14PL1	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14JB3	JUNCTION	0.00	294.55	0	06:17	0.000	25.647
L14K01	JUNCTION	0.00	180.90	0	06:18	0.000	3.512
L14K02	JUNCTION	0.00	181.64	0	06:18	0.000	3.487
L14K03	JUNCTION	0.00	182.54	0	06:18	0.000	3.472
L14K04	JUNCTION	0.00	164.05	0	06:16	0.000	3.385
L14K05	JUNCTION	0.00	165.51	0	06:16	0.000	3.385
L14K06	JUNCTION	0.00	165.51	0	06:16	0.000	3.517
L14IN1	JUNCTION	0.00	17.20	0	08:03	0.000	2.867
M14601	JUNCTION	0.00	8.27	0	06:22	0.000	0.228
M14600	JUNCTION	0.00	8.31	0	06:24	0.000	0.228
M14015	JUNCTION	0.00	98.10	0	06:16	0.000	1.703
M14016	JUNCTION	0.00	73.19	0	06:21	0.000	1.767
M14017	JUNCTION	0.00	63.34	0	06:31	0.000	1.766
M14CH1	JUNCTION	0.00	401.19	0	06:50	0.000	39.425
L14JB3_OrificeNode	JUNCTION	0.00	63.44	0	07:14	0.000	19.314
BH134Route	JUNCTION	105.68	105.68	0	06:15	1.554	1.554
SJH100_1ARoute	JUNCTION	46.93	46.93	0	06:15	1.007	1.007
SJH100_2ARoute	JUNCTION	15.38	15.38	0	06:15	0.222	0.221
SJH100_3ARoute	JUNCTION	34.63	34.63	0	06:15	0.503	0.503
SJH100_4ARoute	JUNCTION	16.79	16.79	0	06:15	0.239	0.239
SJH100_5ARoute	JUNCTION	35.82	35.82	0	06:15	0.491	0.491
SJH102_1ARoute	JUNCTION	61.73	61.73	0	06:15	0.877	0.877
SJH102_2ARoute	JUNCTION	21.97	21.97	0	06:15	0.324	0.324
SJH105_1ARoute	JUNCTION	54.45	54.45	0	06:15	0.798	0.797
SJH105_2ARoute	JUNCTION	21.61	21.61	0	06:15	0.309	0.309

K14943	JUNCTION	6.59	4.045	0.000
K14953	JUNCTION	0.47	4.061	0.000
K15401	JUNCTION	0.28	2.320	0.000
K15601	JUNCTION	0.16	0.256	4.562
L14041	JUNCTION	17.77	9.054	0.000
L14042	JUNCTION	2.36	1.308	0.000
L14051	JUNCTION	2.37	1.637	0.000
L14053	JUNCTION	0.61	3.792	0.000
L14054	JUNCTION	1.27	4.674	0.000
L14055	JUNCTION	1.71	2.434	0.287
L14141	JUNCTION	12.87	8.595	0.000
L14142	JUNCTION	12.93	8.698	0.000
L14152	JUNCTION	1.45	2.542	0.246
L14241	JUNCTION	3.24	6.410	0.000
L14242	JUNCTION	3.08	5.136	0.000
L14243	JUNCTION	11.17	4.494	1.002
L14244	JUNCTION	8.64	5.064	0.000
L14245	JUNCTION	10.58	4.405	1.047
L14251	JUNCTION	9.00	5.015	0.000
L14252	JUNCTION	8.04	4.798	0.000
L14263	JUNCTION	0.53	2.420	0.000
L14341	JUNCTION	2.78	3.974	0.000
L14342	JUNCTION	2.66	3.661	0.000
L14343	JUNCTION	5.14	3.056	0.000
L14344	JUNCTION	3.79	1.936	0.000
L14345	JUNCTION	6.74	4.255	0.000
L14346	JUNCTION	3.84	2.421	0.000
L14347	JUNCTION	17.83	8.787	0.000
L14348	JUNCTION	17.83	8.889	0.000
L14349	JUNCTION	8.98	4.346	0.864
L14362	JUNCTION	0.50	6.974	0.000
L14364	JUNCTION	0.62	2.519	5.527
L14441	JUNCTION	4.30	2.712	0.000
L14442	JUNCTION	9.94	4.308	1.177
L14443	JUNCTION	11.11	4.474	0.639
L14444	JUNCTION	17.89	6.309	1.245
L14445	JUNCTION	17.94	6.493	0.837
L14542	JUNCTION	0.27	2.500	2.471
L14544	JUNCTION	0.31	2.001	3.042
L14546	JUNCTION	0.48	2.188	2.889
L14547	JUNCTION	0.49	5.782	0.000
L14551	JUNCTION	3.98	3.065	0.000
L14641	JUNCTION	0.36	2.337	2.207
L14644	JUNCTION	0.38	1.201	2.734
L14646	JUNCTION	0.49	5.597	0.000
L14663	JUNCTION	0.21	2.988	0.000
L14662	JUNCTION	1.21	5.677	0.000
L14661	JUNCTION	0.38	3.391	0.000
L14733	JUNCTION	0.07	0.212	4.950
L14736	JUNCTION	0.39	0.162	2.401
L14737	JUNCTION	0.17	0.172	4.304
L14741	JUNCTION	0.90	0.534	3.956
L14743	JUNCTION	0.40	0.895	3.693
L1474A	JUNCTION	0.38	1.029	3.442
L14763	JUNCTION	0.76	4.038	6.981
L14765	JUNCTION	0.15	1.350	9.957
L14831	JUNCTION	0.36	0.295	3.029
L14832	JUNCTION	0.02	0.419	2.000
L14833	JUNCTION	0.63	0.624	3.275
L14834	JUNCTION	0.75	0.724	2.633
L14835	JUNCTION	0.62	1.921	0.009
L14836	JUNCTION	0.69	1.034	3.002
L14837	JUNCTION	0.95	0.665	4.018
L14841	JUNCTION	0.92	0.593	4.452
L14842	JUNCTION	0.93	0.578	4.229
L14862	JUNCTION	1.05	5.228	11.712
L14931	JUNCTION	0.97	3.199	0.000
L14932	JUNCTION	0.07	1.838	0.000
L14933	JUNCTION	1.08	3.156	0.000
L14934	JUNCTION	0.95	0.684	4.065
L14935	JUNCTION	0.93	0.676	4.493
L14961	JUNCTION	0.14	0.737	15.224

L14962	JUNCTION	0.16	0.830	15.360
L14JB1	JUNCTION	3.61	7.536	0.000
M14003	JUNCTION	0.49	0.834	1.380
M14021	JUNCTION	1.12	4.036	0.000
M14022	JUNCTION	1.12	3.818	0.000
M14031	JUNCTION	0.94	0.706	5.304
M14032	JUNCTION	0.75	0.709	4.491
M14035	JUNCTION	0.58	0.724	3.496
M14121	JUNCTION	1.05	2.847	0.000
M14122	JUNCTION	0.94	1.752	0.000
M14131	JUNCTION	0.54	0.751	1.226
M14132	JUNCTION	0.51	0.802	0.768
M14221	JUNCTION	1.26	2.004	0.000
M14223	JUNCTION	1.30	2.212	0.239
M14224	JUNCTION	1.40	1.247	0.000
M14232	JUNCTION	0.48	0.841	3.108
M14233	JUNCTION	1.25	1.500	2.765
M1431A	JUNCTION	1.05	1.451	1.752
M14321	JUNCTION	1.29	1.569	1.010
M1432A	JUNCTION	1.28	1.554	0.784
M1432B	JUNCTION	0.95	1.466	1.461
M14334	JUNCTION	0.02	0.153	2.665
M1433B	JUNCTION	0.66	0.719	3.797
M14421	JUNCTION	0.21	0.609	2.239
M14451	JUNCTION	0.33	0.214	3.195
M14453	JUNCTION	0.35	0.240	4.032
M14455	JUNCTION	0.22	1.247	0.138
M14456	JUNCTION	0.18	1.071	0.027
M14522	JUNCTION	0.37	2.400	0.529
M14551	JUNCTION	0.17	1.220	0.000
M14621	JUNCTION	0.68	1.762	7.543
M14622	JUNCTION	0.84	1.823	7.115
M14631	JUNCTION	1.02	2.127	4.866
M14641	JUNCTION	1.22	2.452	4.772
M14642	JUNCTION	1.39	1.920	4.509
K14CRO	JUNCTION	1.25	3.179	1.211
K14PAC	JUNCTION	2.48	2.368	3.197
K14MH2	JUNCTION	3.14	1.362	5.353
K14CR1	JUNCTION	1.75	3.989	0.631
M14M02	JUNCTION	0.56	0.799	3.676
M14M03	JUNCTION	0.08	0.875	3.220
M14M13	JUNCTION	4.99	3.978	3.047
L14JB3	JUNCTION	5.26	2.911	0.829
L14K01	JUNCTION	1.40	4.350	0.000
L14K04	JUNCTION	0.16	0.741	2.259
L14K06	JUNCTION	0.34	1.685	0.565
M14600	JUNCTION	0.83	1.091	3.536
L14PS1	STORAGE	3.77	8.908	2.092
SJH-700B_Pond	STORAGE	23.98	5.629	3.371

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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
K14073	0.01	61.74	0 07:07	0.004	5.87
K14077	0.01	9.58	0 07:02	0.000	8.98
K14361	0.83	205.20	0 06:12	0.616	11.48
K14362	0.82	441.07	0 06:59	0.543	11.51
K14451	1.52	3.56	0 06:29	0.068	3.56
K14941	1.96	1.71	0 07:39	0.025	12.05
K14943	0.01	9.31	0 09:32	0.001	5.55
K14953	0.19	1.76	0 07:34	0.002	5.07
K15401	0.27	2.07	0 06:16	0.002	3.57
L14041	2.42	22.08	0 07:20	0.273	11.56

L14042	2.33	1.23	0	07:54	0.039	2.31
L14051	1.84	2.21	0	08:47	0.030	2.64
L14053	0.24	2.28	0	07:53	0.002	4.80
L14054	0.01	1.55	0	07:51	0.000	5.68
L14141	0.01	4.62	0	06:16	0.000	11.69
L14142	0.01	3.75	0	09:32	0.000	10.20
L14242	0.01	0.52	0	08:10	0.000	7.14
L14244	0.01	2.69	0	06:14	0.000	7.07
L14251	0.01	1.42	0	06:14	0.000	7.03
L14252	0.01	5.33	0	06:14	0.000	6.80
L14263	0.42	44.08	0	06:36	0.026	6.43
L14341	0.04	14.71	0	08:28	0.002	5.98
L14342	1.25	13.13	0	08:28	0.064	5.67
L14343	3.40	10.65	0	10:45	0.079	5.06
L14344	0.46	44.13	0	07:37	0.068	7.94
L14345	0.01	2.46	0	06:14	0.000	7.26
L14346	0.26	56.18	0	07:15	0.037	8.43
L14347	0.01	2.19	0	06:14	0.000	11.79
L14348	0.01	1.09	0	06:14	0.000	11.89
L14362	0.01	4.01	0	06:36	0.000	10.98
L14441	0.46	70.47	0	07:13	0.079	8.72
L14547	0.01	1.67	0	06:15	0.000	7.03
L14551	1.42	34.11	0	07:23	0.310	7.06
L14646	0.01	1.80	0	06:15	0.000	6.85
L14663	0.01	4.00	0	06:14	0.000	8.03
L14662	0.01	1.89	0	07:04	0.000	7.18
L14661	0.01	28.38	0	06:14	0.000	7.39
L14931	0.01	2.12	0	06:40	0.000	6.20
L14932	0.01	1.72	0	06:51	0.000	3.84
L14933	0.01	3.37	0	06:39	0.000	6.16
L14JB1	0.59	7.23	0	07:25	0.033	12.54
M14021	0.01	4.74	0	06:46	0.000	7.04
M14022	0.01	7.45	0	06:47	0.000	6.82
M14121	0.05	9.03	0	06:41	0.002	5.85
M14122	0.22	9.80	0	06:41	0.008	4.76
M14224	1.19	12.21	0	06:43	0.101	3.25
M14551	0.15	3.62	0	06:22	0.003	3.22
L14K01	0.80	58.18	0	06:18	0.264	8.35

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Storage Volume Summary
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Storage Unit	Average Volume 1000 ft3	Avg Pcnt Full	E&I Pcnt Loss	Maximum Volume 1000 ft3	Max Pcnt Full	Time of Max Occurrence days	hr:min	Maximum Outflow CFS
S.BroadwayPond	569.609	44	0	1255.688	97	0	07:23	114.31
MechemPond	61.952	19	0	310.869	97	0	06:41	202.40
KathrynPond	130.838	33	0	349.173	89	0	07:09	63.35
L14PS1	1.038	17	0	5.206	84	0	07:36	89.86
SJH-700A_Pond	43.726	12	0	66.163	18	0	23:59	0.00
SJH-700B_Pond	75.109	32	0	112.525	47	0	23:59	0.00
SJH-700C_Pond	40.031	25	0	55.594	35	0	12:21	0.32

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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
OUTLET	83.82	107.27	495.22	45.300
NorthFlowBasin01	7.35	131.53	228.24	3.553
System	45.58	238.80	616.72	48.853

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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	Max/ Full Depth
J14994-J14993	CONDUIT	0.00	0	00:00	0.00	0.00	0.50
J14993-K14084	CONDUIT	21.81	0	06:12	3.49	0.28	0.91
J15903-J14994	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
K14091-J14994	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
K14084-K14083	CONDUIT	36.23	0	06:11	6.02	0.39	1.00
K14083-K14082	CONDUIT	44.86	0	06:11	4.75	0.59	1.00
K14082-K14081	CONDUIT	47.31	0	06:10	5.02	0.63	1.00
K14081-K14073	CONDUIT	89.38	0	06:17	7.11	1.18	1.00
K14073-K14072	CONDUIT	89.38	0	06:17	7.43	0.46	1.00
K14072-K14071	CONDUIT	136.97	0	07:09	10.90	0.83	1.00
K14071-K14074	CONDUIT	116.08	0	07:09	9.24	1.12	1.00
K14074-K14075	CONDUIT	98.08	0	06:27	7.80	1.93	1.00
K14191-K14182	CONDUIT	34.40	0	06:30	13.76	0.87	0.74
K14182-K14181	CONDUIT	34.40	0	06:30	14.06	0.86	0.73
K14181-K14085	CONDUIT	34.40	0	06:30	12.50	0.48	0.60
K14085-K14077	CONDUIT	34.44	0	06:31	8.57	0.56	0.86
K14077-K14076	CONDUIT	34.45	0	06:31	9.10	0.56	1.00
K14076-K14075	CONDUIT	34.44	0	06:31	7.02	0.46	1.00
K14075-K14171	CONDUIT	89.44	0	06:16	7.12	1.61	1.00
K14171-K14172	CONDUIT	125.99	0	06:20	10.03	2.28	1.00
K14172-K14271	CONDUIT	140.89	0	06:10	7.18	1.42	1.00
K14271-K14371	CONDUIT	136.82	0	06:17	6.97	1.26	1.00
K14371-K14372	CONDUIT	136.91	0	06:17	6.97	1.29	1.00
K14372-K14373	CONDUIT	136.88	0	06:17	6.97	1.36	1.00
K14373-K14361	CONDUIT	136.82	0	06:17	6.97	1.48	1.00
K14361-K14362	CONDUIT	541.01	0	06:59	27.55	4.64	1.00
K14362-K14461	CONDUIT	178.08	0	06:59	9.07	1.53	1.00
K14291-K14281	CONDUIT	140.09	0	06:19	13.26	0.52	0.77
K14281-K14183	CONDUIT	294.01	0	06:15	19.74	1.05	1.00
K14183-K14174	CONDUIT	278.93	0	06:13	18.63	1.03	1.00
K14174-K14173	CONDUIT	252.81	0	06:13	18.11	0.90	1.00
K14173-K14172	CONDUIT	252.48	0	06:14	18.18	0.92	1.00
K14592-K14591	CONDUIT	14.47	0	06:24	11.79	1.58	1.00
K14591-K14483	CONDUIT	13.47	0	06:34	10.98	1.47	1.00
K14483-K14482	CONDUIT	13.47	0	06:34	8.61	1.01	0.87
K14482-K14481	CONDUIT	13.47	0	06:35	8.15	1.01	1.00
K14481-K14471	CONDUIT	13.47	0	06:35	8.02	1.08	1.00
K14471-K14462	CONDUIT	13.47	0	06:35	7.62	1.01	1.00
K14462-K14461	CONDUIT	32.13	0	06:11	18.18	2.28	1.00
K14451-K14461	CONDUIT	3.99	0	07:04	5.17	1.75	1.00
K14951-K14952	CONDUIT	22.32	0	09:35	7.10	1.56	1.00
K14952-L14052	CONDUIT	25.06	0	08:46	7.98	1.79	1.00
L14052-L14055	CONDUIT	26.81	0	08:19	5.82	0.89	1.00
K14681-K14672	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
K14672-K14671	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
K14671-K14661	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
K14792-K14783	CONDUIT	52.20	0	06:16	12.00	0.30	0.38
K14783-K14782	CONDUIT	52.27	0	06:17	12.12	0.30	0.38
K14782-K14781	CONDUIT	52.33	0	06:17	12.01	0.30	0.38
K14781-K14772	CONDUIT	52.40	0	06:17	12.12	0.30	0.38
K14772-K14771	CONDUIT	163.55	0	06:16	15.81	0.93	0.77
K14771-K14761	CONDUIT	163.95	0	06:16	16.05	0.92	0.76
K14882-K14875	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
K14875-K14874	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
K14874-K14864	CONDUIT	0.00	0	00:00	0.00	0.00	0.50
K14461-K14463	CONDUIT	210.27	0	06:11	10.71	1.90	1.00
K14463-K14563	CONDUIT	210.31	0	06:11	10.71	1.85	1.00
K14563-K14661	CONDUIT	210.32	0	06:11	10.71	1.81	1.00
K14661-K14662	CONDUIT	213.24	0	06:34	10.86	1.84	1.00
K14662-K14761	CONDUIT	213.29	0	06:34	7.54	1.13	1.00
K14761-K14MH1	CONDUIT	347.45	0	06:17	12.31	1.48	1.00
K14961-L14061	CONDUIT	2.10	0	06:16	0.95	0.01	0.22

K14892-K14891	CONDUIT	20.87	0	06:15	12.26	0.30	0.38
K14891-K14881	CONDUIT	20.83	0	06:15	11.91	0.30	0.39
K14881-K14873	CONDUIT	20.69	0	06:16	11.46	0.33	0.40
K14873-K14872	CONDUIT	20.70	0	06:16	9.59	0.41	0.45
K14872-K14871	CONDUIT	20.66	0	06:16	9.71	0.41	0.45
K14871-K14862	CONDUIT	20.63	0	06:17	10.18	0.39	0.43
K14862-K14JB1	CONDUIT	20.63	0	06:17	10.90	0.48	0.59
K14941-K14942	CONDUIT	34.22	0	09:32	6.97	2.08	1.00
K14943-K14942	CONDUIT	9.75	0	09:32	5.52	0.46	1.00
K14942-L14041	CONDUIT	33.80	0	10:04	6.89	2.49	1.00
K14551-K14661	CONDUIT	3.50	0	06:48	4.70	2.31	1.00
K14762-K14761	CONDUIT	1.14	0	06:13	1.55	0.95	1.00
K14953-L14053	CONDUIT	2.76	0	07:53	3.52	2.23	1.00
L14053-L14054	CONDUIT	2.12	0	07:51	2.99	1.96	1.00
K14863-K14961	CONDUIT	0.00	0	00:00	0.00	0.00	0.13
K15003-K15001	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
K15002-K15001	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
K15001-J15903	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
K15121-K15111	CONDUIT	27.97	0	06:17	5.70	0.74	1.00
K15111-K15211	CONDUIT	65.88	0	06:12	13.42	1.74	1.00
K15211-K15212	CONDUIT	70.66	0	06:14	14.40	1.87	1.00
K15311-K15214	CONDUIT	42.29	0	06:33	8.62	2.98	1.00
K15214-K15213	CONDUIT	56.67	0	06:33	11.54	1.26	1.00
K15213-K15212	CONDUIT	58.55	0	06:21	11.93	1.30	1.00
K15212-K15201	CONDUIT	140.54	0	06:17	19.88	1.49	1.00
K15201-K14291	CONDUIT	140.93	0	06:17	17.11	0.51	0.53
K15502-K15501	CONDUIT	14.95	0	06:18	12.18	1.64	1.00
K15401-K15501	CONDUIT	2.70	0	06:35	2.20	0.42	1.00
K15501-K14592	CONDUIT	14.68	0	06:24	11.96	1.61	1.00
K15604-K15602	CONDUIT	52.09	0	06:16	12.48	0.28	0.37
K15601-K15602	CONDUIT	0.20	0	06:06	0.50	0.49	1.00
K15602-K14791	CONDUIT	52.11	0	06:16	12.40	0.29	0.37
K14791-K14792	CONDUIT	52.14	0	06:16	11.92	0.30	0.38
L14041-L14141	CONDUIT	33.80	0	10:04	6.89	2.46	1.00
L14054-L14055	CONDUIT	1.98	0	07:51	2.53	1.61	1.00
L14055-L14151	CONDUIT	29.04	0	08:19	4.34	0.81	1.00
L14151-L14152	CONDUIT	69.44	0	06:18	10.00	1.89	1.00
L14152-L14JB1	CONDUIT	71.33	0	06:16	8.61	0.68	1.00
L14142-L14141	CONDUIT	5.11	0	09:32	2.89	4.81	1.00
L14141-L14143	CONDUIT	33.79	0	10:04	7.29	2.39	1.00
L14143-L14JB1	CONDUIT	65.81	0	07:26	9.12	0.47	1.00
L14342-L14341	CONDUIT	23.73	0	08:15	7.55	1.45	1.00
L14341-L14242	CONDUIT	10.87	0	08:13	3.46	0.76	1.00
L14242-L14241	CONDUIT	10.87	0	08:13	3.46	0.68	1.00
L14241-L14143	CONDUIT	10.87	0	08:13	2.21	0.30	1.00
L14152-L14252	CONDUIT	12.03	0	07:01	4.62	0.57	1.00
L14252-L14244	CONDUIT	12.02	0	07:01	3.83	1.55	1.00
L14244-L14251	CONDUIT	12.02	0	07:01	3.83	1.57	1.00
L14251-L14245	CONDUIT	12.02	0	07:01	3.83	1.30	1.00
L14245-L14243	CONDUIT	12.01	0	07:01	3.82	1.51	1.00
L14243-L14345	CONDUIT	12.01	0	07:01	3.82	1.96	1.00
L14345-L14347	CONDUIT	13.72	0	06:12	2.11	0.13	1.00
L14347-L14348	CONDUIT	13.73	0	06:12	1.94	2.91	1.00
L14348-L14349	CONDUIT	13.74	0	06:12	2.12	0.14	1.00
L14349-L14442	CONDUIT	16.45	0	06:12	3.31	0.85	1.00
L14442-L14443	CONDUIT	19.33	0	06:11	3.05	1.03	1.00
L14443-L14JB3	CONDUIT	21.67	0	06:11	3.12	0.68	1.00
L14042-L14051	CONDUIT	3.08	0	08:47	3.93	2.54	1.00
L14051-L14055	CONDUIT	2.83	0	07:37	3.61	2.27	1.00
L14192-L14191	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14191-L14181	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14181-L14171	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14182-L14172	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14171-L14172	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14172-L14273	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14372-L14275	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14291-L14282	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14282-L14275	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14275-L14274	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14274-L14263	CONDUIT	20.90	0	06:18	4.95	0.49	1.00
L14281-L14273	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14273-L14272	CONDUIT	0.00	0	00:00	0.00	0.00	0.16

L14272-L14271	CONDUIT	4.23	0	06:15	1.84	0.07	0.64
L14271-L14262	CONDUIT	22.88	0	06:43	4.43	0.30	0.90
L14262-L14263	CONDUIT	118.08	0	06:36	16.70	2.60	1.00
L14451-L14352	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14352-L14355	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14355-L14354	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14354-L14351	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14392-L14393	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14391-L14393	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14393-L14394	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14394-L14381	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14381-L14373	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14373-L14371	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14371-L14363	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14472-L14471	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14471-L14461	CONDUIT	0.00	0	00:00	0.00	0.00	0.29
L14591-L14592	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14592-L14581	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14581-L14582	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14582-L14571	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14571-L14562	CONDUIT	0.00	0	00:00	0.00	0.00	0.50
L14081-L14072	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14072-L14071	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14071-L14GAR	CONDUIT	0.00	0	00:00	0.00	0.00	0.50
L14061-L14161	CONDUIT	4.52	0	06:14	1.15	0.03	0.31
L14161-L14JB2	CONDUIT	6.92	0	06:12	1.07	0.03	0.45
L14JB2-L14261	CONDUIT	73.67	0	07:39	5.21	1.01	0.50
L14261-L14361	CONDUIT	73.67	0	07:40	5.81	0.43	0.46
L14361-L14351	CONDUIT	73.67	0	07:41	6.53	0.53	0.42
L14351-L14353	CONDUIT	122.13	0	06:16	15.65	0.11	0.43
L14353-L14346	CONDUIT	121.91	0	06:16	6.76	0.34	0.84
L14346-L14344	CONDUIT	122.48	0	06:16	4.94	1.51	1.00
L14343-L14344	CONDUIT	11.27	0	10:55	3.59	0.62	1.00
L14344-L14441	CONDUIT	122.67	0	06:17	5.03	0.91	1.00
L14441-L14JB3	CONDUIT	127.60	0	06:17	4.89	0.56	1.00
L14364-L14363	CONDUIT	0.25	0	06:06	0.15	0.30	1.00
L14263-L14362	CONDUIT	102.05	0	06:38	8.12	2.05	1.00
L14362-L14363	CONDUIT	101.74	0	06:38	8.56	2.05	1.00
L14363-L14461	CONDUIT	102.83	0	06:36	9.28	0.98	1.00
L14461-L14K06	CONDUIT	106.51	0	06:36	9.12	1.01	1.00
L14562-L14663	CONDUIT	75.23	0	06:14	4.44	0.92	1.00
L14462-L14461	CONDUIT	1.01	0	06:17	1.78	1.18	0.32
L14561-L14562	CONDUIT	24.73	0	06:18	7.87	28.92	1.00
L14444-L14442	CONDUIT	0.07	0	06:06	0.22	0.53	1.00
L14445-L14443	CONDUIT	0.05	0	05:58	0.21	0.46	1.00
L14542-L14544	CONDUIT	2.65	0	06:15	1.10	0.14	1.00
L14544-L14641	CONDUIT	5.74	0	06:15	1.60	0.31	1.00
L14641-L14644	CONDUIT	32.96	0	06:16	4.67	1.73	1.00
L14644-L1474A	CONDUIT	33.15	0	06:16	4.72	1.70	1.00
L1474A-L14743	CONDUIT	33.67	0	06:16	4.81	1.74	1.00
L14743-L1474C	CONDUIT	33.92	0	06:16	4.92	0.93	1.00
L1474C-L14741	CONDUIT	26.37	0	06:17	3.77	4.33	1.00
L14741-L14842	CONDUIT	26.19	0	06:17	3.81	1.26	1.00
L14842-L14841	CONDUIT	26.09	0	06:17	3.82	1.36	1.00
L14841-L14837	CONDUIT	25.43	0	06:18	3.74	1.34	1.00
L14837-L14934	CONDUIT	25.09	0	06:19	3.75	1.31	1.00
L14934-L14935	CONDUIT	24.87	0	06:19	3.75	1.31	1.00
L14935-M14031	CONDUIT	24.27	0	06:19	3.68	1.25	1.00
M14IN1-M14031	CONDUIT	5.15	0	07:12	2.91	0.12	1.00
M14031-M14032	CONDUIT	24.74	0	06:26	3.73	1.31	1.00
L14681-L14585	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14585-L14583	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14583-L14575	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14575-L14572	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14572-L14574	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14574-L14573	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14573-L14571	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14691-L14791	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14791-L14782	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14782-L14781	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14781-L14771	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14771-L14764	CONDUIT	0.00	0	00:00	0.00	0.00	0.00

L14883-L14882	CONDUIT	34.72	0	06:15	9.45	0.24	0.34
L14882-L14784	CONDUIT	34.64	0	06:15	11.74	0.26	0.35
L14885-L14881	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14881-L14783	CONDUIT	0.00	0	00:00	0.00	0.00	0.11
L14792-L14784	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14784-L14783	CONDUIT	34.53	0	06:15	9.92	0.32	0.39
L14783-L14772	CONDUIT	34.45	0	06:15	8.03	0.24	0.52
L14772-L14766	CONDUIT	119.30	0	06:16	16.76	0.82	0.70
L14651-L14652	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14652-L14653	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14653-L14751	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14751-L14752	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14752-L14745	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14750-L14745	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14745-L14749	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14749-L14742	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14531-L14532	CONDUIT	1.71	0	06:27	0.87	0.07	0.75
L14532_OrifaceNode-L14533	CONDUIT	17.41	0	07:51	3.34	0.83	0.82
L14533-L14631	CONDUIT	17.53	0	07:51	3.32	0.83	0.84
L14631-L14633	CONDUIT	17.69	0	07:52	3.31	0.82	0.86
L14633-L14634	CONDUIT	17.75	0	07:52	3.31	0.84	0.87
L14634-L14635	CONDUIT	17.83	0	07:52	3.31	0.84	0.89
L14635-L14636	CONDUIT	17.91	0	07:52	3.35	0.90	0.90
L14636-L14738	CONDUIT	17.99	0	07:52	3.39	0.86	0.91
L14738-L14732	CONDUIT	18.21	0	07:52	3.29	0.74	0.95
L14732-L14734	CONDUIT	18.41	0	07:51	3.22	0.97	0.98
L14734-L14733	CONDUIT	18.64	0	07:51	3.24	0.88	0.99
L14733-L14737	CONDUIT	18.82	0	07:50	3.25	0.89	1.00
L14737-L14831	CONDUIT	18.92	0	07:50	3.25	0.88	1.00
L14831-L14833	CONDUIT	19.31	0	07:50	3.26	0.92	1.00
L14833-L14834	CONDUIT	19.61	0	07:50	3.27	0.94	1.00
L14834-L14836	CONDUIT	19.94	0	07:49	3.32	2.05	1.00
L14836-L14931	CONDUIT	20.26	0	07:49	3.34	0.88	1.00
L14931-L14933	CONDUIT	21.50	0	07:48	3.32	1.04	1.00
L14933-M14021	CONDUIT	21.61	0	07:48	3.35	1.00	1.00
L14543-L14532	CONDUIT	0.51	0	06:29	0.38	0.03	0.81
L14534-L14533	CONDUIT	0.35	0	06:27	0.54	0.02	0.91
L14632-L14631	CONDUIT	0.36	0	06:44	0.50	0.02	0.88
L14731-L14738	CONDUIT	0.27	0	06:39	0.36	0.01	0.94
L14736-L14734	CONDUIT	0.60	0	06:43	1.02	0.50	1.00
L14832-L14831	CONDUIT	1.03	0	06:43	0.40	0.05	1.00
L14835-L14834	CONDUIT	1.10	0	06:36	0.83	0.06	1.00
L14932-L14931	CONDUIT	2.57	0	06:47	0.82	0.15	1.00
L14545-L14643	CONDUIT	59.64	0	07:04	4.48	0.80	0.53
L14643-L1474C	CONDUIT	59.70	0	07:00	5.36	0.38	0.56
L14852-L14851	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14851-L14761	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14762-L14761	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14761-L14018	CONDUIT	0.00	0	00:00	0.00	0.00	0.28
L14018-L14742	CONDUIT	5.32	0	06:15	0.91	0.04	0.59
L14742-L14746	CONDUIT	57.16	0	06:17	4.25	0.44	0.64
L14746-L1474B	CONDUIT	55.48	0	06:18	4.05	1.98	0.66
L1474B-L1474C	CONDUIT	54.28	0	06:18	4.09	0.84	0.66
L14662-L14661	CONDUIT	3.59	0	07:04	2.03	3.42	1.00
L14646-L14547	CONDUIT	1.81	0	06:15	1.78	9.93	1.00
L14547-L14546	CONDUIT	2.65	0	06:15	2.24	8.42	1.00
L14546-L14544	CONDUIT	3.02	0	06:15	2.46	0.57	1.00
L14763-L14764	CONDUIT	0.37	0	06:06	0.16	0.19	1.00
L14862-L14864	CONDUIT	0.49	0	06:04	0.32	0.26	1.00
L14663-L14661	CONDUIT	104.06	0	06:14	8.28	6.87	1.00
L14661-L14764	CONDUIT	69.57	0	06:14	5.54	1.50	1.00
L14764-L14765	CONDUIT	65.50	0	06:36	4.96	0.65	1.00
L14765-L14766_OrifaceNode	CONDUIT	66.99	0	06:36	5.68	0.64	1.00
L14766-L14864	CONDUIT	166.48	0	06:17	5.89	0.88	1.00
L14864-L14962	CONDUIT	230.12	0	06:17	8.14	1.22	1.00
L14962-L14961	CONDUIT	229.94	0	06:17	8.13	1.14	1.00
L14961-M14061	CONDUIT	229.92	0	06:17	8.68	2.25	0.89
M14IN2-M14034	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
M14034-M1433B	CONDUIT	0.00	0	00:00	0.00	0.00	0.50
M14032-M1433B	CONDUIT	24.69	0	06:30	3.74	1.28	1.00
M1433B-M14035	CONDUIT	24.63	0	06:30	3.73	1.32	1.00
M14035-M14131	CONDUIT	24.56	0	06:30	3.76	1.28	1.00

M14131-M14132	CONDUIT	24.45	0	06:30	3.90	1.29	1.00
M14132-M14003	CONDUIT	24.25	0	06:30	4.33	1.25	1.00
M14003-M14232	CONDUIT	24.29	0	07:31	5.37	1.28	1.00
M14232-M1431B	CONDUIT	24.43	0	07:31	4.87	0.51	1.00
M1431B-M14243	CONDUIT	66.32	0	07:00	4.40	0.40	0.81
M14243-M14342	CONDUIT	67.71	0	07:01	4.02	0.40	0.86
M14342-M14351	CONDUIT	353.24	0	06:45	7.79	1.01	0.75
M14351-M14OU1	CONDUIT	346.46	0	06:45	1.65	0.07	0.45
M1431B-M14342	CONDUIT	69.12	0	07:02	4.34	0.41	0.84
M14061-M14MY1	CONDUIT	227.31	0	06:18	8.79	0.81	0.86
M14161-M14261	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
M14261-M14252	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
M14252-M14251	CONDUIT	0.00	0	00:00	0.00	0.00	0.32
M14251-M14241	CONDUIT	60.51	0	06:17	4.14	0.43	0.76
M14241-M14341	CONDUIT	76.15	0	06:18	4.85	0.87	0.86
M14341-M14342	CONDUIT	74.82	0	06:19	5.85	0.25	0.88
M14021-M14022	CONDUIT	21.72	0	07:48	3.37	1.03	1.00
M14022-M14121	CONDUIT	22.42	0	07:47	3.43	1.06	1.00
M14121-M14122	CONDUIT	25.25	0	07:44	3.60	1.20	1.00
M14122-M14221	CONDUIT	26.56	0	07:44	3.87	1.03	1.00
M14221-M14222	CONDUIT	29.05	0	07:45	4.11	0.97	1.00
M14222-M14223	CONDUIT	34.34	0	06:43	4.86	1.28	1.00
M14223-M14321	CONDUIT	29.82	0	07:43	4.22	1.26	1.00
M14321-M1432A	CONDUIT	29.82	0	07:43	4.22	1.26	1.00
M1432A-M14233	CONDUIT	29.82	0	07:43	4.23	1.44	1.00
M14233-M1431A	CONDUIT	29.82	0	07:43	4.24	1.41	1.00
M1431A-M1432B	CONDUIT	29.84	0	07:43	4.31	1.20	1.00
M1432B-M1431B	CONDUIT	29.87	0	07:43	4.36	0.43	1.00
M15201-M14282	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
M14282-M14281	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
M14281-M14271	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
M14271-M14M11	CONDUIT	37.58	0	06:18	12.76	0.15	0.28
M14PL1-M14263	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
M14263-M14264	CONDUIT	0.32	0	12:22	2.60	0.00	0.03
M14264-M14253	CONDUIT	0.32	0	12:23	2.25	0.00	0.03
M14253-M14254	CONDUIT	0.32	0	12:24	2.25	0.00	0.03
M14254-M14242	CONDUIT	0.32	0	12:25	2.26	0.00	0.40
M14242-M14342	CONDUIT	2.71	0	06:19	0.42	0.01	0.97
M14333-M14343	CONDUIT	0.06	0	06:51	0.09	0.00	0.32
M14343-M14344	CONDUIT	1.21	0	06:37	0.79	0.05	0.64
M14344-M14353	CONDUIT	2.33	0	06:38	0.79	0.10	0.91
M14353-M14352	CONDUIT	2.98	0	06:38	1.01	0.05	0.82
M14352-M14OU2	CONDUIT	3.33	0	06:38	0.80	0.03	0.93
M14431-M1442A	CONDUIT	1.44	0	06:18	0.89	0.08	0.67
M1442A-M14441	CONDUIT	3.13	0	06:16	1.21	0.18	0.90
M14441-M14451	CONDUIT	33.26	0	06:31	5.88	1.04	0.93
M14451-M14FG1	CONDUIT	33.17	0	06:30	6.91	6.48	1.00
M1442B-M14443	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
M14443-M14444	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
M14444-M14452	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
M14452-M14FG3	CONDUIT	0.00	0	00:00	0.00	0.00	0.50
M14433-M14435	CONDUIT	0.25	0	06:41	0.62	0.02	0.43
M14435-M14442	CONDUIT	0.84	0	06:40	0.62	0.04	0.56
M14442-M14445	CONDUIT	1.70	0	06:41	0.80	0.08	0.84
M14445-M14453	CONDUIT	2.45	0	06:40	0.67	0.07	0.90
M14453-M14OU3	CONDUIT	3.16	0	06:33	1.45	0.05	1.00
M14551-M14456	CONDUIT	4.35	0	06:21	1.39	0.35	1.00
M14456-M14455	CONDUIT	4.37	0	06:21	0.71	0.12	1.00
M14455-M14454	CONDUIT	4.39	0	06:21	0.74	0.11	1.00
M14454-M14FG2	CONDUIT	57.94	0	06:16	8.58	1.25	0.98
M14224-M14223	CONDUIT	12.21	0	06:43	3.89	0.95	1.00
M14334-M14421	CONDUIT	2.91	0	06:33	1.26	0.14	1.00
M14421-M14522	CONDUIT	7.37	0	06:34	1.91	0.35	1.00
M14522-M14521	CONDUIT	10.32	0	06:34	1.99	0.49	1.00
M14521-M14621	CONDUIT	8.39	0	06:44	1.57	0.40	1.00
M14621-M14622	CONDUIT	8.39	0	06:44	1.19	0.38	1.00
M14622-M14631	CONDUIT	8.39	0	06:44	1.45	0.40	1.00
M14631-M14641	CONDUIT	8.39	0	06:44	1.52	0.40	1.00
M14641-M14642	CONDUIT	36.17	0	06:43	5.12	1.71	1.00
M14642-M14CH2	CONDUIT	36.17	0	06:43	6.16	0.80	1.00
K14954-K14945	CONDUIT	33.67	0	10:15	6.86	2.72	1.00
K14945-K14944	CONDUIT	33.68	0	10:15	6.86	2.63	1.00

K14944-K14941	CONDUIT	34.23	0	09:32	6.97	2.71	1.00
K14MH1-K14JB1	CONDUIT	347.46	0	06:17	12.29	0.55	0.91
L14GAR-K14CRO	CONDUIT	12.39	0	06:15	1.60	0.34	1.00
K14CRO-K14864	CONDUIT	12.80	0	06:11	1.68	0.18	1.00
K14864-K14PAC	CONDUIT	160.91	0	06:18	10.12	2.50	1.00
K14PAC-K14MH2	CONDUIT	160.88	0	06:18	10.12	2.22	1.00
K14MH2-K14JB1	CONDUIT	160.90	0	06:18	10.90	0.86	1.00
K14PL1-K14863	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
K14CR1-K14CRO	CONDUIT	1.99	0	06:14	1.01	0.13	1.00
M14M11-M14M10	CONDUIT	37.58	0	06:19	10.93	0.19	0.32
M14M10-M14M09	CONDUIT	37.56	0	06:19	8.89	0.24	0.51
M14M09-M14M08	CONDUIT	40.89	0	06:21	4.03	0.30	0.85
M14M08-M14MY1	CONDUIT	101.96	0	06:19	8.52	0.38	1.00
M14MY1-M14M05	CONDUIT	327.55	0	06:18	10.77	0.82	0.87
M14M06-M14M05	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
M14M05-M14M04	CONDUIT	326.71	0	06:18	11.42	1.26	0.82
M14M04-M14M03	CONDUIT	324.60	0	06:19	13.02	0.67	0.92
M14M03-M14M02	CONDUIT	324.58	0	06:19	11.48	0.74	1.00
M14M02-MechemPond	CONDUIT	324.61	0	06:19	13.27	0.70	1.00
M14M13-M14241	CONDUIT	27.55	0	08:00	8.77	1.54	1.00
L14K06-L14K05	CONDUIT	165.51	0	06:16	14.65	3.20	0.92
L14K05-L14K04	CONDUIT	164.05	0	06:16	15.91	0.53	0.92
L14K04-L14K03	CONDUIT	162.22	0	06:16	18.28	1.07	1.00
L14K03-L14K02	CONDUIT	181.64	0	06:18	15.64	0.94	1.00
L14K02-L14K01	CONDUIT	180.90	0	06:18	14.40	1.75	1.00
L14K01-L14551	CONDUIT	133.85	0	06:25	10.65	1.80	1.00
L14551-L14541	CONDUIT	124.99	0	06:14	10.13	1.80	1.00
L14541-L14JB3	CONDUIT	171.16	0	06:16	15.21	0.68	1.00
L14IN1-L14532	CONDUIT	17.21	0	08:03	9.74	4.28	1.00
L14JB3_OrificeNode-L14545	CONDUIT	60.08	0	07:14	3.38	0.33	0.62
M14015-M14016	CONDUIT	49.81	0	06:13	10.15	2.80	1.00
M14016-M14017	CONDUIT	43.40	0	06:20	8.84	3.17	1.00
M14017-M14CH1	CONDUIT	62.86	0	06:29	12.81	33.92	1.00
M14601-M14600	CONDUIT	8.31	0	06:24	2.69	14.25	1.00
M14600-M14CH3	CONDUIT	8.24	0	06:23	4.01	5.86	1.00
K14JB1-S.BroadwayPond	CONDUIT	528.32	0	06:18	12.66	1.16	1.00
L14JB3-KathrynPond	CONDUIT	245.79	0	06:17	11.54	0.64	1.00
L14JB1-L14PS1	CONDUIT	130.80	0	10:05	15.69	0.29	1.00
M14OU1-M14FG1	CONDUIT	337.01	0	06:46	5.16	0.11	0.44
M14FG1-M14FG2	CONDUIT	353.76	0	06:48	4.76	0.13	0.48
M14FG3-M14OU3	CONDUIT	371.14	0	06:46	5.31	0.14	0.50
M14OU3-M14CH1	CONDUIT	365.29	0	06:47	4.75	0.13	0.54
M14CH1-M14CH2	CONDUIT	399.33	0	06:51	4.07	0.17	0.63
M14CH2-M14CH3	CONDUIT	425.97	0	06:51	3.18	0.16	0.68
M14CH3-OUTLET	CONDUIT	495.22	0	06:53	6.88	0.48	0.44
BH-134-street	CONDUIT	89.85	0	06:16	6.69	0.20	0.37
SJH-100_1A-Steet	CONDUIT	34.40	0	06:30	5.10	0.07	0.19
SJH-100_2A_Street	CONDUIT	13.98	0	06:15	2.99	0.03	0.16
SJH-100_3A-Steet	CONDUIT	27.76	0	06:16	5.02	0.05	0.16
SJH-100_4A-Street	CONDUIT	16.38	0	06:15	4.33	0.03	0.11
SJH-100_5A-Street	CONDUIT	35.22	0	06:15	5.79	0.05	0.25
SJH-102_1A-Street	CONDUIT	56.22	0	06:15	6.26	0.11	0.26
SJH-102_2A-Street	CONDUIT	21.62	0	06:15	4.22	0.04	0.20
SJH-105_1A-Street	CONDUIT	51.98	0	06:15	6.58	0.09	0.23
SJH-105_2A-Street	CONDUIT	20.87	0	06:15	5.54	0.03	0.11
SJH-106_1A-Flowpath	CONDUIT	66.40	0	06:30	7.30	0.11	0.27
SJH-150_1A-Street	CONDUIT	20.88	0	06:17	4.40	0.04	0.14
SJH100-Street	CONDUIT	163.89	0	06:15	8.75	0.38	0.55
SJH102-Street	CONDUIT	239.78	0	06:15	9.79	0.58	0.73
SJH105-Street	CONDUIT	114.58	0	06:15	7.77	0.25	0.43
SJH106-Street	CONDUIT	119.98	0	06:15	8.70	0.23	0.41
SJH150-Street	CONDUIT	96.76	0	06:16	6.20	0.27	0.58
SJH152-Street	CONDUIT	142.02	0	06:16	8.55	0.31	0.49
SJH153-Street	CONDUIT	84.95	0	06:16	6.76	0.19	0.37
SJH200-Street	CONDUIT	64.02	0	06:17	5.90	0.15	0.32
SJH202-Street	CONDUIT	68.59	0	06:16	4.58	0.26	0.44
SJH700-Street	CONDUIT	37.59	0	06:18	4.87	0.09	0.23
SJH109-Street	CONDUIT	98.10	0	06:16	5.04	0.35	0.73
SJN710-Street	CONDUIT	8.27	0	06:22	3.02	0.02	0.08
SJ8-Street	CONDUIT	59.57	0	06:16	5.08	0.17	0.35
SJ90L-Street	CONDUIT	33.24	0	06:30	2.34	0.26	0.42
SJN10-Street	CONDUIT	8.99	0	06:35	1.37	0.07	0.19

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SJ7-Street           CONDUIT     62.25     0  06:16      5.61    0.16    0.33
SJN6-Street          CONDUIT     34.28     0  06:25      2.52    0.25    0.40
SJH701-Flowpath      CONDUIT      5.13     0  07:17      0.96    0.05    0.16
SJ5-Street           CONDUIT     62.73     0  06:16      5.11    0.19    0.36
SJ4-Street           CONDUIT     48.12     0  06:16      4.57    0.15    0.31
SJ3-Street           CONDUIT     75.01     0  06:15      4.82    0.28    0.46
SJ2-Street           CONDUIT     80.61     0  06:15      5.64    0.24    0.42
SJ1-Street           CONDUIT     97.47     0  06:18      2.33    0.12    0.62
M14FG2-M14FG3        CONDUIT    371.43     0  06:46      5.32    0.13    0.50
OVF_08               CONDUIT    228.24     0  06:28      5.04    0.51    0.67
OVF_KATH             CONDUIT     26.41     0  07:09      0.98    0.97    0.54
OVF_MECH             CONDUIT    176.53     0  06:42      4.82    0.74    0.76
OVF_03               CONDUIT     25.59     0  06:22      2.82    0.13    0.28
OVF_04               CONDUIT     27.26     0  06:22      1.53    0.06    0.28
OVF_05               CONDUIT     73.33     0  06:25      2.55    0.24    0.46
OVF_06               CONDUIT     70.53     0  06:27      2.41    0.32    0.46
OVF_07               CONDUIT     56.60     0  06:27      1.95    0.09    0.45
OVF_02               CONDUIT     26.04     0  06:20      3.48    0.06    0.24
OVF_01               CONDUIT      0.00     0  00:00      0.00    0.00    0.09
OVF_28               CONDUIT     27.04     0  06:19      2.33    0.89    0.68
S.BroadwayPond-K14954 CONDUIT     44.58     0  07:24      9.08    3.38    1.00
MechemPond-M14m13    CONDUIT     27.55     0  08:01      8.77    1.94    1.00
72in_Unknown         CONDUIT     96.31     0  06:36      5.57    0.69    0.67
Culvert1in-Culvert1out CONDUIT    361.27     0  06:51      0.90    0.09    0.75
Culvert1out-M14CH1   CONDUIT    360.33     0  06:52      3.28    0.08    0.60
Culvert2in-Culvert2out CONDUIT    397.81     0  06:53      0.87    0.10    0.85
RRculvert            CONDUIT    495.33     0  06:52      1.05    0.17    0.56
M14CH3-RRculvertin   CONDUIT    429.90     0  06:54      3.97    0.42    0.59
OVF_29               CONDUIT      0.00     0  00:00      0.00    0.00    0.00
OVF_SBP              CONDUIT     69.73     0  07:24      3.65    0.47    0.60
SJH-700A_Pond-M14282 CONDUIT      0.00     0  00:00      0.00    0.00    0.00
SJH-700C-M14263      CONDUIT      0.32     0  12:21      2.91    0.00    0.04
OVF_10               CONDUIT    205.08     0  06:17      8.50    0.63    0.75
OVF_11               CONDUIT      0.00     0  00:00      0.00    0.00    0.50
OVF_12               CONDUIT     37.35     0  07:08      1.78    0.48    0.69
OVF_13               CONDUIT      0.00     0  00:00      0.00    0.00    0.00
OVF_14               CONDUIT      0.00     0  00:00      0.00    0.00    0.00
OVF_15               CONDUIT     15.72     0  07:46      1.54    0.13    0.32
OVF_17               CONDUIT     23.49     0  06:15      3.87    0.06    0.19
OVF_30               CONDUIT      2.95     0  06:16      1.36    0.01    0.07
OVF_18               CONDUIT     15.99     0  06:20      3.78    0.04    0.13
OVF_19               CONDUIT     25.05     0  06:16      2.64    0.17    0.30
OVF_20               CONDUIT      5.46     0  06:17      1.36    0.04    0.13
OVF_09               CONDUIT      0.00     0  00:00      0.00    0.00    0.00
OVF_16               CONDUIT     16.03     0  07:48      1.37    0.36    0.37
OVF_21               CONDUIT     24.05     0  06:18      3.50    0.18    0.34
OVF_22               CONDUIT      0.00     0  00:00      0.00    0.00    0.00
OVF_23               CONDUIT      0.00     0  00:00      0.00    0.00    0.17
OVF_24               CONDUIT     24.18     0  08:13      2.59    0.15    0.31
OVF_25               CONDUIT     11.77     0  08:34      1.08    0.10    0.39
OVF_26               CONDUIT     46.93     0  06:31      3.24    0.23    0.52
OVF_27               CONDUIT     23.13     0  06:33      1.52    0.48    0.45
L14K06-L14562        CONDUIT     83.68     0  06:15      6.66    0.82    1.00
PUMP_CT-3500-135_02  PUMP        73.69     0  07:36                 0.96
L14JB3-L14JB3_OrificeNode ORIFICE     63.44     0  07:14                      1.00
ORI_05               ORIFICE     12.91     0  08:03
ORI_04               ORIFICE      0.41     0  06:24                      1.00
ORI_02               ORIFICE      1.43     0  08:03                      1.00
ORI_01               ORIFICE      1.43     0  08:03                      1.00
ORI_03               ORIFICE      1.24     0  06:24                      1.00


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Flow Classification Summary
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                   Adjusted    --- Fraction of Time in Flow Class ----   Avg.     Avg.
                    /Actual         Up    Down  Sub   Sup   Up    Down   Froude   Flow
Conduit              Length    Dry  Dry   Dry   Crit  Crit  Crit  Crit   Number   Change
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J14994-J14993          1.00   0.24  0.76  0.00  0.00  0.00  0.00  0.00     0.00   0.0000
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J14993-K14084	1.00	0.23	0.00	0.00	0.12	0.00	0.00	0.64	0.02	0.0000
J15903-J14994	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
K14091-J14994	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
K14084-K14083	1.00	0.82	0.05	0.00	0.12	0.00	0.00	0.00	0.02	0.0000
K14083-K14082	1.00	0.64	0.18	0.00	0.18	0.00	0.00	0.00	0.01	0.0000
K14082-K14081	1.00	0.01	0.62	0.00	0.36	0.00	0.00	0.00	0.01	0.0001
K14081-K14073	1.00	0.01	0.00	0.00	0.26	0.00	0.00	0.72	0.76	0.0001
K14073-K14072	1.00	0.02	0.00	0.00	0.12	0.85	0.00	0.00	1.43	0.0002
K14072-K14071	1.00	0.02	0.00	0.00	0.16	0.82	0.00	0.00	1.06	0.0003
K14071-K14074	1.00	0.02	0.00	0.00	0.97	0.00	0.00	0.00	0.71	0.0003
K14074-K14075	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.39	0.0001
K14191-K14182	1.00	0.01	0.00	0.00	0.00	0.33	0.00	0.65	2.17	0.0000
K14182-K14181	1.00	0.02	0.00	0.00	0.00	0.00	0.00	0.98	2.23	0.0000
K14181-K14085	1.00	0.02	0.00	0.00	0.00	0.97	0.00	0.01	2.01	0.0000
K14085-K14077	1.00	0.03	0.00	0.00	0.09	0.41	0.00	0.48	1.75	0.0000
K14077-K14076	1.00	0.03	0.00	0.00	0.09	0.11	0.00	0.77	1.70	0.0001
K14076-K14075	1.00	0.03	0.00	0.00	0.62	0.28	0.00	0.06	0.96	0.0001
K14075-K14171	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.51	0.0001
K14171-K14172	1.00	0.03	0.01	0.00	0.97	0.00	0.00	0.00	0.28	0.0001
K14172-K14271	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.57	0.0001
K14271-K14371	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.57	0.0001
K14371-K14372	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.52	0.0001
K14372-K14373	1.00	0.03	0.00	0.00	0.96	0.00	0.00	0.00	0.50	0.0001
K14373-K14361	1.00	0.03	0.00	0.00	0.96	0.00	0.00	0.00	0.57	0.0001
K14361-K14362	1.00	0.04	0.00	0.00	0.96	0.00	0.00	0.00	0.72	0.0006
K14362-K14461	1.00	0.02	0.02	0.00	0.96	0.00	0.00	0.00	0.53	0.0002
K14291-K14281	1.00	0.01	0.00	0.00	0.00	0.97	0.00	0.01	1.45	0.0000
K14281-K14183	1.00	0.01	0.00	0.00	0.01	0.92	0.00	0.06	1.99	0.0000
K14183-K14174	1.00	0.02	0.00	0.00	0.01	0.03	0.00	0.94	1.94	0.0000
K14174-K14173	1.00	0.02	0.00	0.00	0.02	0.94	0.00	0.02	1.93	0.0000
K14173-K14172	1.00	0.03	0.00	0.00	0.06	0.00	0.00	0.91	1.87	0.0001
K14592-K14591	1.00	0.02	0.00	0.00	0.02	0.00	0.00	0.95	1.63	0.0000
K14591-K14483	1.00	0.03	0.00	0.00	0.00	0.00	0.00	0.97	1.62	0.0000
K14483-K14482	1.00	0.03	0.00	0.00	0.00	0.00	0.00	0.97	1.52	0.0000
K14482-K14481	1.00	0.03	0.00	0.00	0.02	0.89	0.00	0.05	1.44	0.0000
K14481-K14471	1.00	0.04	0.00	0.00	0.03	0.00	0.00	0.93	1.40	0.0000
K14471-K14462	1.00	0.01	0.03	0.00	0.96	0.00	0.00	0.00	0.28	0.0000
K14462-K14461	1.00	0.01	0.00	0.00	0.06	0.00	0.00	0.93	1.65	0.0001
K14451-K14461	1.00	0.23	0.00	0.00	0.07	0.00	0.00	0.70	0.12	0.0001
K14951-K14952	1.00	0.24	0.40	0.00	0.36	0.00	0.00	0.00	0.10	0.0001
K14952-L14052	1.00	0.24	0.00	0.00	0.21	0.00	0.00	0.55	0.14	0.0001
L14052-L14055	1.00	0.23	0.01	0.00	0.22	0.00	0.00	0.54	0.17	0.0001
K14681-K14672	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
K14672-K14671	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
K14671-K14661	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
K14792-K14783	1.00	0.02	0.00	0.00	0.06	0.45	0.00	0.47	1.53	0.0000
K14783-K14782	1.00	0.02	0.00	0.00	0.00	0.00	0.00	0.98	1.64	0.0000
K14782-K14781	1.00	0.02	0.00	0.00	0.06	0.45	0.00	0.47	1.53	0.0000
K14781-K14772	1.00	0.02	0.00	0.00	0.00	0.00	0.00	0.98	1.63	0.0000
K14772-K14771	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	1.73	0.0000
K14771-K14761	1.00	0.02	0.00	0.00	0.00	0.00	0.00	0.98	1.76	0.0000
K14882-K14875	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
K14875-K14874	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
K14874-K14864	1.00	0.72	0.28	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
K14461-K14463	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.62	0.0001
K14463-K14563	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.65	0.0001
K14563-K14661	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.55	0.0001
K14661-K14662	1.00	0.02	0.00	0.00	0.97	0.00	0.00	0.00	0.59	0.0000
K14662-K14761	1.00	0.02	0.01	0.00	0.97	0.00	0.00	0.00	0.54	0.0000
K14761-K14MH1	1.00	0.02	0.00	0.00	0.51	0.00	0.00	0.47	0.62	0.0001
K14961-L14061	1.00	0.23	0.34	0.00	0.43	0.00	0.00	0.00	0.00	0.0000
K14892-K14891	1.00	0.23	0.00	0.00	0.00	0.70	0.00	0.07	1.62	0.0000
K14891-K14881	1.00	0.23	0.00	0.00	0.00	0.77	0.00	0.01	1.55	0.0000
K14881-K14873	1.00	0.23	0.00	0.00	0.00	0.00	0.00	0.77	1.49	0.0000
K14873-K14872	1.00	0.23	0.00	0.00	0.00	0.60	0.00	0.17	1.20	0.0000
K14872-K14871	1.00	0.23	0.00	0.00	0.00	0.00	0.00	0.77	1.20	0.0000
K14871-K14862	1.00	0.23	0.00	0.00	0.00	0.00	0.00	0.77	1.28	0.0000
K14862-K14JB1	1.00	0.23	0.00	0.00	0.22	0.01	0.00	0.54	1.26	0.0000
K14941-K14942	1.00	0.04	0.00	0.00	0.96	0.00	0.00	0.01	0.11	0.0001
K14943-K14942	1.00	0.33	0.17	0.00	0.50	0.00	0.00	0.00	0.00	0.0000
K14942-L14041	1.00	0.04	0.00	0.00	0.95	0.00	0.00	0.01	0.09	0.0001
K14551-K14661	1.00	0.01	0.00	0.00	0.02	0.00	0.00	0.97	0.63	0.0001

K14762-K14761	1.00	0.24	0.00	0.00	0.06	0.00	0.00	0.70	0.05	0.0001
K14953-L14053	1.00	0.69	0.09	0.00	0.21	0.00	0.00	0.00	0.02	0.0064
L14053-L14054	1.00	0.25	0.45	0.00	0.30	0.00	0.01	0.00	0.02	0.0030
K14863-K14961	1.00	0.57	0.43	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
K15003-K15001	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
K15002-K15001	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
K15001-J15903	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
K15121-K15111	1.00	0.01	0.00	0.00	0.96	0.03	0.00	0.00	0.64	0.0000
K15111-K15211	1.00	0.01	0.00	0.00	0.04	0.28	0.00	0.68	1.22	0.0000
K15211-K15212	1.00	0.01	0.00	0.00	0.03	0.74	0.00	0.22	1.12	0.0000
K15311-K15214	1.00	0.01	0.00	0.00	0.86	0.00	0.00	0.13	0.53	0.0001
K15214-K15213	1.00	0.01	0.00	0.00	0.04	0.21	0.00	0.74	1.40	0.0000
K15213-K15212	1.00	0.01	0.00	0.00	0.25	0.74	0.00	0.00	1.07	0.0000
K15212-K15201	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	1.91	0.0000
K15201-K14291	1.00	0.01	0.00	0.00	0.00	0.89	0.00	0.10	1.92	0.0000
K15502-K15501	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	1.65	0.0000
K15401-K15501	1.00	0.02	0.78	0.00	0.20	0.00	0.00	0.00	0.00	0.0001
K15501-K14592	1.00	0.02	0.00	0.00	0.01	0.00	0.00	0.97	1.64	0.0000
K15604-K15602	1.00	0.01	0.00	0.00	0.05	0.91	0.00	0.02	1.60	0.0000
K15601-K15602	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.01	0.0001
K15602-K14791	1.00	0.02	0.00	0.00	0.00	0.00	0.00	0.98	1.69	0.0000
K14791-K14792	1.00	0.02	0.00	0.00	0.00	0.00	0.00	0.98	1.60	0.0000
L14041-L14141	1.00	0.05	0.00	0.00	0.94	0.00	0.00	0.01	0.10	0.0001
L14054-L14055	1.00	0.25	0.00	0.00	0.17	0.00	0.01	0.58	0.08	0.0027
L14055-L14151	1.00	0.01	0.52	0.00	0.46	0.00	0.00	0.00	0.08	0.0001
L14151-L14152	1.00	0.01	0.00	0.00	0.22	0.00	0.00	0.76	0.67	0.0001
L14152-L14JB1	1.00	0.02	0.00	0.00	0.23	0.00	0.00	0.75	0.84	0.0001
L14142-L14141	1.00	0.23	0.00	0.00	0.77	0.00	0.00	0.00	0.00	0.0014
L14141-L14143	1.00	0.06	0.00	0.00	0.24	0.00	0.00	0.71	0.48	0.0002
L14143-L14JB1	1.00	0.02	0.04	0.00	0.24	0.02	0.00	0.68	1.10	0.0001
L14342-L14341	1.00	0.76	0.01	0.00	0.22	0.00	0.00	0.00	0.00	0.0012
L14341-L14242	1.00	0.75	0.01	0.00	0.23	0.00	0.00	0.00	0.00	0.0006
L14242-L14241	1.00	0.71	0.04	0.00	0.25	0.00	0.00	0.00	0.01	0.0005
L14241-L14143	1.00	0.33	0.38	0.00	0.29	0.00	0.00	0.00	0.00	0.0002
L14152-L14252	1.00	0.24	0.30	0.00	0.18	0.00	0.28	0.00	0.11	0.0001
L14252-L14244	1.00	0.24	0.00	0.00	0.76	0.00	0.00	0.00	0.00	0.0003
L14244-L14251	1.00	0.24	0.00	0.00	0.76	0.00	0.00	0.00	0.00	0.0003
L14251-L14245	1.00	0.23	0.00	0.00	0.76	0.00	0.00	0.00	0.00	0.0002
L14245-L14243	1.00	0.23	0.00	0.00	0.76	0.00	0.00	0.00	0.00	0.0003
L14243-L14345	1.00	0.23	0.00	0.00	0.76	0.00	0.00	0.00	0.00	0.0004
L14345-L14347	1.00	0.22	0.01	0.00	0.77	0.00	0.00	0.00	0.00	0.0000
L14347-L14348	1.00	0.22	0.00	0.00	0.78	0.00	0.00	0.00	0.00	0.0008
L14348-L14349	1.00	0.22	0.00	0.00	0.78	0.00	0.00	0.00	0.01	0.0000
L14349-L14442	1.00	0.19	0.03	0.00	0.77	0.00	0.01	0.00	0.01	0.0002
L14442-L14443	1.00	0.15	0.04	0.00	0.81	0.00	0.00	0.00	0.01	0.0002
L14443-L14JB3	1.00	0.12	0.03	0.00	0.85	0.00	0.00	0.00	0.00	0.0001
L14042-L14051	1.00	0.24	0.45	0.00	0.31	0.00	0.00	0.00	0.01	0.0016
L14051-L14055	1.00	0.24	0.00	0.00	0.19	0.00	0.00	0.56	0.07	0.0017
L14192-L14191	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14191-L14181	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14181-L14171	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14182-L14172	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14171-L14172	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14172-L14273	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14372-L14275	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14291-L14282	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14282-L14275	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14275-L14274	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14274-L14263	1.00	0.01	0.00	0.00	0.08	0.02	0.00	0.89	1.27	0.0000
L14281-L14273	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14273-L14272	1.00	0.95	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14272-L14271	1.00	0.86	0.09	0.00	0.05	0.00	0.00	0.00	0.00	0.0000
L14271-L14262	1.00	0.01	0.84	0.00	0.14	0.00	0.00	0.00	0.00	0.0000
L14262-L14263	1.00	0.01	0.00	0.00	0.05	0.00	0.00	0.94	0.97	0.0003
L14451-L14352	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14352-L14355	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14355-L14354	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14354-L14351	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14392-L14393	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14391-L14393	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14393-L14394	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14394-L14381	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000

L14381-L14373	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14373-L14371	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14371-L14363	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14472-L14471	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14471-L14461	1.00	0.99	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14591-L14592	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14592-L14581	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14581-L14582	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14582-L14571	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14571-L14562	1.00	0.92	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14081-L14072	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14072-L14071	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14071-L14GAR	1.00	0.90	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14061-L14161	1.00	0.22	0.01	0.00	0.77	0.00	0.00	0.00	0.00	0.0000
L14161-L14JB2	1.00	0.07	0.15	0.00	0.78	0.00	0.00	0.00	0.00	0.0000
L14JB2-L14261	1.00	0.07	0.00	0.00	0.93	0.00	0.00	0.00	0.53	0.0000
L14261-L14361	1.00	0.07	0.00	0.00	0.93	0.00	0.00	0.00	0.63	0.0000
L14361-L14351	1.00	0.01	0.06	0.00	0.02	0.00	0.00	0.91	0.73	0.0000
L14351-L14353	1.00	0.01	0.00	0.00	0.15	0.84	0.00	0.00	1.88	0.0000
L14353-L14346	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.44	0.0002
L14346-L14344	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.21	0.0022
L14343-L14344	1.00	0.02	0.21	0.00	0.77	0.00	0.00	0.00	0.00	0.0030
L14344-L14441	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.20	0.0006
L14441-L14JB3	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.13	0.0006
L14364-L14363	1.00	0.02	0.00	0.00	0.97	0.00	0.01	0.00	0.00	0.0003
L14263-L14362	1.00	0.01	0.00	0.00	0.98	0.00	0.00	0.00	0.48	0.0001
L14362-L14363	1.00	0.02	0.00	0.00	0.07	0.00	0.00	0.91	0.62	0.0001
L14363-L14461	1.00	0.02	0.00	0.00	0.15	0.66	0.00	0.17	1.01	0.0000
L14461-L14K06	1.00	0.02	0.00	0.00	0.78	0.20	0.00	0.00	0.91	0.0000
L14562-L14663	1.00	0.01	0.00	0.00	0.98	0.00	0.00	0.01	0.43	0.0000
L14462-L14461	1.00	0.24	0.00	0.00	0.01	0.00	0.00	0.75	0.03	0.0001
L14561-L14562	1.00	0.23	0.00	0.00	0.08	0.00	0.00	0.69	0.02	0.0058
L14444-L14442	1.00	0.19	0.00	0.00	0.80	0.00	0.01	0.00	0.00	0.0020
L14445-L14443	1.00	0.15	0.00	0.00	0.85	0.00	0.01	0.00	0.00	0.0023
L14542-L14544	1.00	0.20	0.02	0.00	0.78	0.00	0.00	0.00	0.00	0.0000
L14544-L14641	1.00	0.01	0.19	0.00	0.80	0.00	0.00	0.00	0.00	0.0000
L14641-L14644	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.11	0.0000
L14644-L1474A	1.00	0.01	0.00	0.00	0.98	0.00	0.00	0.00	0.10	0.0000
L1474A-L14743	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.09	0.0000
L14743-L1474C	1.00	0.02	0.00	0.00	0.97	0.00	0.00	0.01	0.08	0.0000
L1474C-L14741	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.01	0.31	0.0001
L14741-L14842	1.00	0.03	0.00	0.00	0.96	0.00	0.00	0.01	0.34	0.0000
L14842-L14841	1.00	0.04	0.00	0.00	0.95	0.00	0.00	0.01	0.33	0.0000
L14841-L14837	1.00	0.05	0.00	0.00	0.95	0.00	0.00	0.01	0.33	0.0000
L14837-L14934	1.00	0.05	0.00	0.00	0.94	0.00	0.00	0.01	0.32	0.0000
L14934-L14935	1.00	0.06	0.00	0.00	0.94	0.00	0.00	0.01	0.31	0.0000
L14935-M14031	1.00	0.06	0.00	0.00	0.85	0.00	0.00	0.09	0.31	0.0000
M14IN1-M14031	1.00	0.03	0.03	0.00	0.94	0.00	0.00	0.00	0.03	0.0000
M14031-M14032	1.00	0.09	0.00	0.00	0.90	0.00	0.00	0.02	0.32	0.0000
L14681-L14585	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14585-L14583	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14583-L14575	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14575-L14572	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14572-L14574	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14574-L14573	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14573-L14571	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14691-L14791	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14791-L14782	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14782-L14781	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14781-L14771	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14771-L14764	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14883-L14882	1.00	0.01	0.00	0.00	0.06	0.59	0.00	0.34	1.33	0.0000
L14882-L14784	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	1.75	0.0000
L14885-L14881	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14881-L14783	1.00	0.95	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14792-L14784	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14784-L14783	1.00	0.01	0.00	0.00	0.00	0.19	0.00	0.80	1.40	0.0000
L14783-L14772	1.00	0.01	0.00	0.00	0.94	0.04	0.00	0.00	0.79	0.0000
L14772-L14766	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	1.98	0.0000
L14651-L14652	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14652-L14653	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14653-L14751	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000

L14751-L14752	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14752-L14745	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14750-L14745	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14745-L14749	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14749-L14742	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14531-L14532	1.00	0.23	0.01	0.00	0.76	0.00	0.00	0.00	0.00	0.0000
L14532_OrifaceNode-L14533	1.00	0.23	0.00	0.00	0.76	0.00	0.00	0.00	0.35	0.0000
L14533-L14631	1.00	0.23	0.00	0.00	0.76	0.00	0.00	0.00	0.35	0.0000
L14631-L14633	1.00	0.24	0.00	0.00	0.76	0.00	0.00	0.00	0.35	0.0000
L14633-L14634	1.00	0.24	0.00	0.00	0.76	0.00	0.00	0.00	0.34	0.0000
L14634-L14635	1.00	0.24	0.00	0.00	0.76	0.00	0.00	0.00	0.34	0.0000
L14635-L14636	1.00	0.24	0.00	0.00	0.75	0.00	0.00	0.01	0.34	0.0000
L14636-L14738	1.00	0.24	0.00	0.00	0.75	0.00	0.00	0.01	0.36	0.0000
L14738-L14732	1.00	0.25	0.00	0.00	0.75	0.00	0.00	0.01	0.35	0.0000
L14732-L14734	1.00	0.25	0.00	0.00	0.75	0.00	0.00	0.01	0.32	0.0000
L14734-L14733	1.00	0.25	0.00	0.00	0.75	0.00	0.00	0.00	0.33	0.0000
L14733-L14737	1.00	0.25	0.00	0.00	0.75	0.00	0.00	0.00	0.32	0.0001
L14737-L14831	1.00	0.25	0.00	0.00	0.74	0.00	0.00	0.00	0.32	0.0001
L14831-L14833	1.00	0.25	0.00	0.00	0.75	0.00	0.00	0.00	0.31	0.0001
L14833-L14834	1.00	0.25	0.00	0.00	0.75	0.00	0.00	0.00	0.30	0.0001
L14834-L14836	1.00	0.25	0.00	0.00	0.75	0.00	0.00	0.00	0.32	0.0002
L14836-L14931	1.00	0.24	0.00	0.00	0.75	0.00	0.00	0.00	0.32	0.0001
L14931-L14933	1.00	0.24	0.00	0.00	0.75	0.00	0.00	0.00	0.31	0.0001
L14933-M14021	1.00	0.24	0.00	0.00	0.76	0.00	0.00	0.00	0.31	0.0001
L14543-L14532	1.00	0.23	0.41	0.00	0.36	0.00	0.00	0.00	0.00	0.0000
L14534-L14533	1.00	0.24	0.41	0.00	0.35	0.00	0.00	0.00	0.00	0.0000
L14632-L14631	1.00	0.55	0.12	0.00	0.33	0.00	0.00	0.00	0.00	0.0000
L14731-L14738	1.00	0.54	0.15	0.00	0.31	0.00	0.00	0.00	0.00	0.0000
L14736-L14734	1.00	0.26	0.00	0.00	0.31	0.00	0.00	0.43	0.01	0.0006
L14832-L14831	1.00	0.26	0.42	0.00	0.32	0.00	0.00	0.00	0.00	0.0000
L14835-L14834	1.00	0.52	0.15	0.00	0.33	0.00	0.00	0.00	0.00	0.0000
L14932-L14931	1.00	0.25	0.40	0.00	0.36	0.00	0.00	0.00	0.00	0.0001
L14545-L14643	1.00	0.11	0.00	0.00	0.89	0.00	0.00	0.00	0.45	0.0000
L14643-L1474C	1.00	0.03	0.08	0.00	0.89	0.00	0.00	0.00	0.58	0.0000
L14852-L14851	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14851-L14761	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14762-L14761	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14761-L14018	1.00	0.21	0.79	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14018-L14742	1.00	0.02	0.20	0.00	0.79	0.00	0.00	0.00	0.00	0.0000
L14742-L14746	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.08	0.0000
L14746-L1474B	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.05	0.0000
L1474B-L1474C	1.00	0.02	0.00	0.00	0.97	0.00	0.00	0.01	0.06	0.0000
L14662-L14661	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.0011
L14646-L14547	1.00	0.23	0.00	0.00	0.77	0.00	0.00	0.00	0.01	0.0022
L14547-L14546	1.00	0.23	0.00	0.00	0.77	0.00	0.00	0.00	0.04	0.0010
L14546-L14544	1.00	0.23	0.00	0.00	0.26	0.00	0.00	0.50	0.19	0.0001
L14763-L14764	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.00	0.0001
L14862-L14864	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.01	0.0007
L14663-L14661	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.41	0.0003
L14661-L14764	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.01	0.52	0.0000
L14764-L14765	1.00	0.02	0.00	0.00	0.97	0.00	0.00	0.00	0.61	0.0000
L14765-L14766_OrifaceNode	1.00	0.03	0.00	0.00	0.06	0.00	0.00	0.91	0.82	0.0000
L14766-L14864	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.65	0.0000
L14864-L14962	1.00	0.01	0.00	0.00	0.98	0.00	0.00	0.00	0.42	0.0002
L14962-L14961	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.22	0.0000
L14961-M14061	1.00	0.02	0.04	0.00	0.94	0.00	0.00	0.00	0.36	0.0001
M14IN2-M14034	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
M14034-M1433B	1.00	0.11	0.89	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
M14032-M1433B	1.00	0.10	0.00	0.00	0.89	0.00	0.00	0.01	0.33	0.0000
M1433B-M14035	1.00	0.11	0.00	0.00	0.88	0.00	0.00	0.01	0.33	0.0000
M14035-M14131	1.00	0.12	0.00	0.00	0.88	0.00	0.00	0.01	0.35	0.0000
M14131-M14132	1.00	0.12	0.00	0.00	0.87	0.00	0.00	0.01	0.37	0.0000
M14132-M14003	1.00	0.13	0.00	0.00	0.86	0.00	0.00	0.01	0.44	0.0000
M14003-M14232	1.00	0.14	0.00	0.00	0.21	0.00	0.00	0.65	0.60	0.0000
M14232-M1431B	1.00	0.03	0.11	0.00	0.85	0.00	0.00	0.00	0.60	0.0000
M1431B-M14243	1.00	0.03	0.00	0.00	0.96	0.00	0.00	0.00	0.56	0.0000
M14243-M14342	1.00	0.02	0.01	0.00	0.96	0.00	0.00	0.00	0.44	0.0000
M14342-M14351	1.00	0.02	0.00	0.00	0.00	0.00	0.00	0.98	0.71	0.0000
M14351-M14OU1	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.20	0.0003
M1431B-M14342	1.00	0.02	0.01	0.00	0.97	0.00	0.00	0.00	0.50	0.0000
M14061-M14MY1	1.00	0.02	0.04	0.00	0.91	0.02	0.00	0.01	0.86	0.0000
M14161-M14261	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000

M14261-M14252	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
M14252-M14251	1.00	0.73	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
M14251-M14241	1.00	0.01	0.00	0.00	0.89	0.00	0.00	0.09	0.15	0.0000
M14241-M14341	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.25	0.0000
M14341-M14342	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.29	0.0000
M14021-M14022	1.00	0.24	0.00	0.00	0.76	0.00	0.00	0.00	0.32	0.0004
M14022-M14121	1.00	0.23	0.00	0.00	0.76	0.00	0.00	0.00	0.31	0.0003
M14121-M14122	1.00	0.23	0.00	0.00	0.76	0.00	0.00	0.00	0.34	0.0008
M14122-M14221	1.00	0.22	0.01	0.00	0.77	0.00	0.00	0.00	0.39	0.0006
M14221-M14222	1.00	0.02	0.20	0.00	0.78	0.00	0.00	0.00	0.35	0.0005
M14222-M14223	1.00	0.02	0.00	0.00	0.97	0.00	0.00	0.01	0.46	0.0001
M14223-M14321	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.01	0.42	0.0001
M14321-M1432A	1.00	0.03	0.00	0.00	0.96	0.00	0.00	0.01	0.39	0.0001
M1432A-M14233	1.00	0.04	0.00	0.00	0.96	0.00	0.00	0.00	0.40	0.0001
M14233-M1431A	1.00	0.04	0.00	0.00	0.95	0.00	0.00	0.01	0.40	0.0001
M1431A-M1432B	1.00	0.05	0.00	0.00	0.95	0.00	0.00	0.00	0.37	0.0000
M1432B-M1431B	1.00	0.03	0.02	0.00	0.95	0.00	0.00	0.00	0.26	0.0000
M15201-M14282	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
M14282-M14281	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
M14281-M14271	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
M14271-M14M11	1.00	0.02	0.00	0.00	0.00	0.95	0.00	0.04	2.03	0.0000
M14PL1-M14263	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
M14263-M14264	1.00	0.43	0.00	0.00	0.00	0.00	0.00	0.57	0.99	0.0000
M14264-M14253	1.00	0.43	0.00	0.00	0.02	0.55	0.00	0.00	0.69	0.0000
M14253-M14254	1.00	0.43	0.00	0.00	0.00	0.00	0.00	0.57	0.87	0.0000
M14254-M14242	1.00	0.24	0.06	0.00	0.27	0.00	0.00	0.43	0.70	0.0000
M14242-M14342	1.00	0.02	0.21	0.00	0.77	0.00	0.00	0.00	0.01	0.0000
M14333-M14343	1.00	0.82	0.07	0.00	0.11	0.00	0.00	0.00	0.00	0.0000
M14343-M14344	1.00	0.72	0.10	0.00	0.18	0.00	0.00	0.00	0.00	0.0000
M14344-M14353	1.00	0.55	0.16	0.00	0.28	0.00	0.00	0.00	0.01	0.0000
M14353-M14352	1.00	0.24	0.32	0.00	0.44	0.00	0.00	0.00	0.01	0.0000
M14352-M14OU2	1.00	0.20	0.03	0.00	0.76	0.00	0.00	0.00	0.01	0.0000
M14431-M1442A	1.00	0.71	0.12	0.00	0.17	0.00	0.00	0.00	0.00	0.0000
M1442A-M14441	1.00	0.02	0.68	0.00	0.29	0.00	0.00	0.00	0.01	0.0000
M14441-M14451	1.00	0.02	0.00	0.00	0.97	0.00	0.00	0.01	0.41	0.0003
M14451-M14FG1	1.00	0.07	0.00	0.00	0.34	0.00	0.00	0.59	0.55	0.0003
M1442B-M14443	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
M14443-M14444	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
M14444-M14452	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
M14452-M14FG3	1.00	0.80	0.00	0.00	0.20	0.00	0.00	0.00	0.00	0.0000
M14433-M14435	1.00	0.87	0.03	0.00	0.10	0.00	0.00	0.00	0.00	0.0000
M14435-M14442	1.00	0.82	0.05	0.00	0.13	0.00	0.00	0.00	0.00	0.0000
M14442-M14445	1.00	0.73	0.09	0.00	0.18	0.00	0.00	0.00	0.01	0.0000
M14445-M14453	1.00	0.65	0.08	0.00	0.27	0.00	0.00	0.00	0.01	0.0000
M14453-M14OU3	1.00	0.63	0.03	0.00	0.34	0.00	0.00	0.00	0.01	0.0000
M14551-M14456	1.00	0.61	0.15	0.00	0.23	0.00	0.00	0.00	0.00	0.0001
M14456-M14455	1.00	0.04	0.57	0.00	0.39	0.00	0.00	0.00	0.00	0.0000
M14455-M14454	1.00	0.02	0.03	0.00	0.96	0.00	0.00	0.00	0.01	0.0000
M14454-M14FG2	1.00	0.02	0.00	0.00	0.45	0.00	0.00	0.53	0.69	0.0000
M14224-M14223	1.00	0.02	0.47	0.00	0.51	0.00	0.00	0.00	0.00	0.0002
M14334-M14421	1.00	0.81	0.03	0.00	0.16	0.00	0.00	0.00	0.01	0.0000
M14421-M14522	1.00	0.67	0.13	0.00	0.19	0.00	0.00	0.00	0.01	0.0000
M14522-M14521	1.00	0.03	0.65	0.00	0.32	0.00	0.00	0.00	0.01	0.0000
M14521-M14621	1.00	0.03	0.00	0.00	0.95	0.00	0.00	0.02	0.32	0.0000
M14621-M14622	1.00	0.05	0.00	0.00	0.94	0.00	0.00	0.01	0.27	0.0000
M14622-M14631	1.00	0.06	0.00	0.00	0.93	0.00	0.00	0.01	0.25	0.0000
M14631-M14641	1.00	0.01	0.06	0.00	0.93	0.00	0.00	0.00	0.11	0.0001
M14641-M14642	1.00	0.01	0.00	0.00	0.97	0.00	0.00	0.02	0.23	0.0000
M14642-M14CH2	1.00	0.02	0.00	0.00	0.76	0.00	0.00	0.23	0.32	0.0000
K14954-K14945	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.10	0.0001
K14945-K14944	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.10	0.0001
K14944-K14941	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.11	0.0001
K14MH1-K14JB1	1.00	0.02	0.00	0.00	0.44	0.01	0.00	0.53	0.82	0.0001
L14GAR-K14CRO	1.00	0.56	0.01	0.00	0.43	0.00	0.00	0.00	0.00	0.0000
K14CRO-K14864	1.00	0.01	0.46	0.00	0.53	0.00	0.00	0.00	0.01	0.0000
K14864-K14PAC	1.00	0.01	0.00	0.00	0.98	0.00	0.00	0.01	0.31	0.0001
K14PAC-K14MH2	1.00	0.01	0.00	0.00	0.56	0.00	0.00	0.43	0.38	0.0001
K14MH2-K14JB1	1.00	0.01	0.00	0.00	0.46	0.00	0.00	0.52	0.72	0.0002
K14PL1-K14863	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
K14CR1-K14CRO	1.00	0.23	0.00	0.00	0.30	0.00	0.00	0.46	0.00	0.0001
M14M11-M14M10	1.00	0.02	0.00	0.00	0.06	0.92	0.00	0.01	1.58	0.0000
M14M10-M14M09	1.00	0.02	0.00	0.00	0.08	0.89	0.00	0.01	1.31	0.0000

M14M09-M14M08	1.00	0.02	0.01	0.00	0.29	0.68	0.00	0.00	0.95	0.0000
M14M08-M14MY1	1.00	0.02	0.00	0.00	0.93	0.05	0.00	0.00	0.67	0.0002
M14MY1-M14M05	1.00	0.02	0.00	0.00	0.97	0.02	0.00	0.00	0.86	0.0001
M14M06-M14M05	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
M14M05-M14M04	1.00	0.02	0.00	0.00	0.09	0.00	0.00	0.89	0.86	0.0000
M14M04-M14M03	1.00	0.02	0.00	0.00	0.14	0.83	0.00	0.01	1.48	0.0000
M14M03-M14M02	1.00	0.02	0.00	0.00	0.29	0.67	0.00	0.02	1.09	0.0000
M14M02-MechemPond	1.00	0.02	0.00	0.00	0.26	0.01	0.00	0.72	1.08	0.0000
M14M13-M14241	1.00	0.03	0.00	0.00	0.63	0.15	0.00	0.20	0.71	0.0000
L14K06-L14K05	1.00	0.02	0.00	0.00	0.13	0.84	0.00	0.00	1.13	0.0009
L14K05-L14K04	1.00	0.02	0.00	0.00	0.06	0.92	0.00	0.00	1.68	0.0001
L14K04-L14K03	1.00	0.02	0.00	0.00	0.05	0.93	0.00	0.00	2.66	0.0001
L14K03-L14K02	1.00	0.03	0.00	0.00	0.07	0.04	0.00	0.87	1.69	0.0000
L14K02-L14K01	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.49	0.0009
L14K01-L14551	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.22	0.0007
L14551-L14541	1.00	0.03	0.00	0.00	0.82	0.00	0.00	0.16	0.17	0.0005
L14541-L14JB3	1.00	0.05	0.00	0.00	0.88	0.00	0.00	0.07	0.17	0.0005
L14IN1-L14532	1.00	0.23	0.00	0.00	0.75	0.00	0.00	0.02	0.32	0.0001
L14JB3_OrificeNode-L14545	1.00	0.03	0.08	0.00	0.89	0.00	0.00	0.00	0.27	0.0000
M14015-M14016	1.00	0.05	0.00	0.00	0.93	0.00	0.00	0.02	0.41	0.0003
M14016-M14017	1.00	0.07	0.00	0.00	0.93	0.00	0.00	0.00	0.31	0.0001
M14017-M14CH1	1.00	0.07	0.00	0.00	0.40	0.00	0.00	0.53	0.39	0.0009
M14601-M14600	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.12	0.0004
M14600-M14CH3	1.00	0.02	0.00	0.00	0.32	0.00	0.00	0.67	0.28	0.0004
K14JB1-S.BroadwayPond	1.00	0.02	0.00	0.00	0.75	0.00	0.00	0.23	0.23	0.0005
L14JB3-KathrynPond	1.00	0.11	0.12	0.00	0.75	0.00	0.01	0.00	0.02	0.0004
L14JB1-L14PS1	1.00	0.02	0.00	0.00	0.23	0.00	0.00	0.74	2.07	0.0001
M14OU1-M14FG1	1.00	0.06	0.00	0.00	0.94	0.00	0.00	0.00	0.58	0.0000
M14FG1-M14FG2	1.00	0.02	0.06	0.00	0.92	0.00	0.00	0.00	0.51	0.0000
M14FG3-M14OU3	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.52	0.0000
M14OU3-M14CH1	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.51	0.0000
M14CH1-M14CH2	1.00	0.07	0.00	0.00	0.93	0.00	0.00	0.00	0.31	0.0000
M14CH2-M14CH3	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.23	0.0000
M14CH3-OUTLET	1.00	0.14	0.00	0.00	0.86	0.00	0.00	0.00	0.45	0.0000
BH-134-street	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	1.18	0.0000
SJH-100_1A-Steet	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	1.32	0.0000
SJH-100_2A_Street	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.99	0.0000
SJH-100_3A-Steet	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	1.35	0.0000
SJH-100_4A-Street	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	1.38	0.0000
SJH-100_5A-Street	1.00	0.01	0.00	0.00	0.00	0.01	0.00	0.98	1.56	0.0000
SJH-102_1A-Street	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	1.30	0.0000
SJH-102_2A-Street	1.00	0.01	0.00	0.00	0.01	0.01	0.00	0.97	1.18	0.0000
SJH-105_1A-Street	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	1.45	0.0000
SJH-105_2A-Street	1.00	0.23	0.00	0.00	0.00	0.00	0.00	0.77	1.45	0.0000
SJH-106_1A-Flowpath	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	1.60	0.0000
SJH-150_1A-Street	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	1.35	0.0000
SJH100-Street	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	1.28	0.0000
SJH102-Street	1.00	0.01	0.00	0.00	0.00	0.05	0.00	0.94	1.28	0.0000
SJH105-Street	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	1.30	0.0000
SJH106-Street	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	1.50	0.0000
SJH150-Street	1.00	0.01	0.00	0.00	0.03	0.01	0.00	0.96	1.01	0.0000
SJH152-Street	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	1.37	0.0000
SJH153-Street	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	1.22	0.0000
SJH200-Street	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	1.18	0.0000
SJH202-Street	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.81	0.0000
SJH700-Street	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	1.13	0.0000
SJH109-Street	1.00	0.01	0.00	0.00	0.06	0.00	0.00	0.92	0.82	0.0000
SJN710-Street	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	1.23	0.0000
SJ8-Street	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.97	0.0000
SJ90L-Street	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.38	0.0000
SJN10-Street	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.34	0.0000
SJ7-Street	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	1.11	0.0000
SJN6-Street	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.42	0.0000
SJH701-Flowpath	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.33	0.0000
SJ5-Street	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.96	0.0000
SJ4-Street	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.93	0.0000
SJ3-Street	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.83	0.0000
SJ2-Street	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.99	0.0000
SJ1-Street	1.00	0.01	0.00	0.00	0.54	0.00	0.00	0.45	0.25	0.0003
M14FG2-M14FG3	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.52	0.0000
OVF_08	1.00	0.93	0.00	0.00	0.02	0.05	0.00	0.00	0.07	0.0000
OVF_KATH	1.00	0.79	0.00	0.00	0.00	0.00	0.00	0.21	0.04	0.0000

OVF_MECH	1.00	0.87	0.00	0.00	0.00	0.00	0.00	0.13	0.08	0.0000
OVF_03	1.00	0.98	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.0000
OVF_04	1.00	0.97	0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.0000
OVF_05	1.00	0.95	0.02	0.00	0.03	0.00	0.00	0.00	0.02	0.0001
OVF_06	1.00	0.95	0.00	0.00	0.00	0.00	0.00	0.05	0.03	0.0000
OVF_07	1.00	0.93	0.04	0.00	0.04	0.00	0.00	0.00	0.01	0.0000
OVF_02	1.00	0.99	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.0000
OVF_01	1.00	0.99	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
OVF_28	1.00	0.93	0.00	0.00	0.07	0.00	0.00	0.00	0.01	0.0001
S.BroadwayPond-K14954	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.10	0.0001
MechemPond-M14m13	1.00	0.02	0.00	0.00	0.36	0.00	0.00	0.62	0.62	0.0000
72in_Unknown	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.57	0.0000
Culvert1in-Culvert1out	1.00	0.05	0.00	0.00	0.95	0.00	0.00	0.00	0.08	0.0000
Culvert1out-M14CH1	1.00	0.07	0.00	0.00	0.93	0.00	0.00	0.00	0.34	0.0000
Culvert2in-Culvert2out	1.00	0.02	0.08	0.00	0.90	0.00	0.00	0.00	0.04	0.0000
RRculvert	1.00	0.12	0.00	0.00	0.88	0.00	0.00	0.00	0.05	0.0000
M14CH3-RRculvertin	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.26	0.0000
OVF_29	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
OVF_SBP	1.00	0.86	0.00	0.00	0.00	0.00	0.00	0.14	0.10	0.0000
SJH-700A_Pond-M14282	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
SJH-700C-M14263	1.00	0.43	0.00	0.00	0.00	0.00	0.00	0.57	0.96	0.0000
OVF_10	1.00	0.93	0.00	0.00	0.00	0.00	0.00	0.07	0.10	0.0000
OVF_11	1.00	0.86	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
OVF_12	1.00	0.82	0.01	0.00	0.13	0.00	0.00	0.05	0.04	0.0023
OVF_13	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
OVF_14	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
OVF_15	1.00	0.85	0.00	0.00	0.09	0.00	0.00	0.06	0.07	0.0000
OVF_17	1.00	0.99	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.0000
OVF_30	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
OVF_18	1.00	0.97	0.00	0.00	0.00	0.00	0.00	0.03	0.04	0.0000
OVF_19	1.00	0.99	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.0000
OVF_20	1.00	0.99	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.0000
OVF_09	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
OVF_16	1.00	0.89	0.00	0.00	0.03	0.00	0.00	0.08	0.04	0.0000
OVF_21	1.00	0.98	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.0000
OVF_22	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
OVF_23	1.00	0.98	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
OVF_24	1.00	0.70	0.00	0.00	0.05	0.00	0.00	0.25	0.23	0.0000
OVF_25	1.00	0.82	0.00	0.00	0.14	0.00	0.00	0.04	0.06	0.0001
OVF_26	1.00	0.94	0.00	0.00	0.05	0.00	0.00	0.01	0.03	0.0000
OVF_27	1.00	0.95	0.00	0.00	0.00	0.00	0.00	0.05	0.02	0.0000
L14K06-L14562	1.00	0.01	0.01	0.00	0.98	0.00	0.00	0.00	0.15	0.0001

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Conduit Surcharge Summary
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Conduit	Hours Full: Both Ends	Hours Full: Upstream	Hours Full: Dnstream	Hours Above Full Normal Flow	Hours Capacity Limited
K14084-K14083	0.07	0.07	0.07	0.01	0.01
K14083-K14082	0.10	0.10	0.10	0.01	0.01
K14082-K14081	0.33	0.33	0.33	0.01	0.01
K14081-K14073	0.46	0.46	0.46	0.13	0.13
K14073-K14072	0.96	0.96	0.96	0.01	0.01
K14072-K14071	1.03	1.03	1.03	0.01	0.02
K14071-K14074	1.03	1.03	1.03	0.41	0.04
K14074-K14075	1.05	1.05	1.05	0.99	0.13
K14077-K14076	0.91	0.91	0.92	0.01	0.01
K14076-K14075	1.06	1.06	1.06	0.01	0.01
K14075-K14171	1.06	1.06	1.06	0.82	0.18
K14171-K14172	1.07	1.07	1.07	0.86	0.19
K14172-K14271	0.88	0.88	0.88	0.37	0.34
K14271-K14371	0.88	0.88	0.88	0.30	0.31
K14371-K14372	0.89	0.89	0.89	0.31	0.42
K14372-K14373	0.89	0.89	0.89	0.35	0.41
K14373-K14361	0.88	0.88	0.88	0.54	0.37
K14361-K14362	0.90	0.90	0.90	0.04	0.04
K14362-K14461	0.90	0.90	0.90	0.21	0.28

K14281-K14183	0.11	0.11	0.11	0.03	0.01
K14183-K14174	0.17	0.17	0.17	0.07	0.10
K14174-K14173	0.27	0.27	0.27	0.01	0.01
K14173-K14172	0.45	0.45	0.45	0.01	0.01
K14592-K14591	0.48	0.48	0.48	0.58	0.47
K14591-K14483	0.43	0.43	0.44	0.64	0.43
K14483-K14482	0.01	0.01	0.01	0.14	0.01
K14482-K14481	0.25	0.25	0.25	0.14	0.22
K14481-K14471	0.26	0.26	0.26	0.29	0.25
K14471-K14462	0.65	0.65	0.65	0.14	0.15
K14462-K14461	1.23	1.23	1.23	1.35	1.23
K14451-K14461	0.91	0.91	0.91	1.40	0.08
K14951-K14952	3.13	3.13	3.13	1.15	1.11
K14952-L14052	3.21	3.21	3.21	2.14	2.00
L14052-L14055	3.34	3.34	3.34	0.01	0.01
K14461-K14463	0.91	0.91	0.91	1.13	0.90
K14463-K14563	0.89	0.89	0.89	1.12	0.88
K14563-K14661	0.87	0.87	0.87	1.11	0.86
K14661-K14662	0.84	0.84	0.84	1.12	0.83
K14662-K14761	0.69	0.69	0.69	0.71	0.67
K14761-K14MH1	0.07	0.07	0.07	0.69	0.04
K14941-K14942	17.82	17.82	17.82	17.87	17.81
K14943-K14942	6.59	6.59	6.59	0.01	0.01
K14942-L14041	17.77	17.77	17.77	17.89	17.77
K14551-K14661	0.10	0.10	0.10	11.96	0.10
K14762-K14761	0.11	0.11	0.11	0.01	0.01
K14953-L14053	0.21	0.21	0.23	0.08	0.11
L14053-L14054	0.59	0.59	0.62	0.15	0.29
K15121-K15111	0.41	0.41	0.41	0.01	0.01
K15111-K15211	0.55	0.55	0.55	0.53	0.52
K15211-K15212	0.47	0.47	0.47	0.57	0.47
K15311-K15214	0.45	0.45	0.45	0.68	0.45
K15214-K15213	0.45	0.45	0.45	0.27	0.30
K15213-K15212	0.45	0.45	0.45	0.42	0.42
K15212-K15201	0.43	0.43	0.44	0.46	0.43
K15502-K15501	0.44	0.44	0.44	0.54	0.44
K15401-K15501	0.28	0.28	0.29	0.01	0.01
K15501-K14592	0.46	0.46	0.46	0.57	0.46
K15601-K15602	0.16	0.16	0.16	0.01	0.04
L14041-L14141	17.06	17.06	17.06	17.14	16.33
L14054-L14055	1.27	1.27	1.27	0.16	0.31
L14055-L14151	3.38	3.38	3.38	0.01	0.01
L14151-L14152	3.38	3.38	3.38	0.63	0.52
L14152-L14JB1	3.39	3.39	3.39	0.01	0.01
L14142-L14141	12.87	12.87	12.87	0.01	1.26
L14141-L14143	3.77	3.77	3.77	17.11	3.01
L14143-L14JB1	3.62	3.62	3.62	0.01	0.01
L14342-L14341	2.63	2.63	2.64	0.01	0.04
L14341-L14242	2.78	2.78	2.78	0.01	0.06
L14242-L14241	3.08	3.08	3.08	0.01	0.01
L14241-L14143	3.24	3.24	3.24	0.01	0.01
L14152-L14252	1.45	1.45	1.46	0.01	0.01
L14252-L14244	8.04	8.04	8.04	2.95	0.17
L14244-L14251	8.64	8.64	8.64	3.02	0.22
L14251-L14245	9.05	9.05	9.05	2.28	0.01
L14245-L14243	10.58	10.58	10.58	2.92	0.14
L14243-L14345	11.17	11.17	11.17	4.32	0.52
L14345-L14347	6.74	6.74	6.75	0.01	0.01
L14347-L14348	17.83	17.83	17.83	5.33	1.32
L14348-L14349	8.98	8.98	8.98	0.01	0.01
L14349-L14442	8.98	8.98	8.98	0.01	0.01
L14442-L14443	9.94	9.94	9.95	0.01	0.01
L14443-L14JB3	11.11	11.11	11.11	0.01	0.01
L14042-L14051	2.25	2.25	2.26	0.74	0.45
L14051-L14055	2.00	2.00	2.01	1.91	0.73
L14274-L14263	0.25	0.25	0.25	0.01	0.01
L14262-L14263	0.55	0.55	0.55	0.59	0.54
L14JB2-L14261	0.01	0.01	0.01	0.66	0.01
L14346-L14344	3.74	3.74	3.75	0.81	1.53
L14343-L14344	5.14	5.14	5.24	0.01	0.01
L14344-L14441	3.74	3.74	3.75	0.01	0.44
L14441-L14JB3	4.30	4.30	4.30	0.01	0.48

L14364-L14363	0.62	0.62	0.62	0.01	0.25
L14263-L14362	0.50	0.50	0.50	0.65	0.48
L14362-L14363	0.19	0.19	0.19	0.65	0.19
L14363-L14461	0.20	0.20	0.20	0.01	0.01
L14461-L14K06	0.32	0.32	0.32	0.03	0.01
L14562-L14663	0.15	0.15	0.15	0.01	0.01
L14462-L14461	0.01	0.01	0.01	0.01	0.01
L14561-L14562	0.49	0.49	0.49	0.45	0.20
L14444-L14442	17.89	17.89	17.89	0.01	1.77
L14445-L14443	17.94	17.94	17.94	0.01	1.96
L14542-L14544	0.27	0.27	0.28	0.01	0.01
L14544-L14641	0.31	0.31	0.31	0.01	0.01
L14641-L14644	0.35	0.35	0.35	0.35	0.28
L14644-L1474A	0.37	0.37	0.37	0.33	0.26
L1474A-L14743	0.36	0.36	0.36	0.33	0.24
L14743-L1474C	0.40	0.40	0.40	0.01	0.01
L1474C-L14741	0.90	0.90	0.90	17.88	0.90
L14741-L14842	0.89	0.89	0.89	0.33	0.27
L14842-L14841	0.92	0.92	0.92	0.36	0.29
L14841-L14837	0.89	0.89	0.89	0.35	0.24
L14837-L14934	0.93	0.93	0.93	0.34	0.22
L14934-L14935	0.93	0.93	0.93	0.33	0.21
L14935-M14031	0.88	0.88	0.88	0.31	0.15
M14IN1-M14031	17.77	17.77	17.77	0.01	0.01
M14031-M14032	0.75	0.75	0.75	3.89	0.60
L14733-L14737	0.07	0.07	0.07	0.01	0.01
L14737-L14831	0.16	0.16	0.17	0.01	0.01
L14831-L14833	0.36	0.36	0.36	0.01	0.01
L14833-L14834	0.63	0.63	0.63	0.01	0.01
L14834-L14836	0.69	0.69	0.69	5.19	0.65
L14836-L14931	0.69	0.69	0.69	0.01	0.01
L14931-L14933	0.96	0.96	0.96	0.03	0.04
L14933-M14021	1.07	1.07	1.07	0.01	0.06
L14736-L14734	0.38	0.38	0.38	0.01	0.04
L14832-L14831	0.02	0.02	0.02	0.01	0.01
L14835-L14834	0.62	0.62	0.62	0.01	0.01
L14932-L14931	0.07	0.07	0.07	0.01	0.01
L14746-L1474B	0.01	0.01	0.01	0.50	0.01
L14662-L14661	1.21	1.21	1.21	0.01	0.39
L14646-L14547	0.47	0.47	0.47	0.21	0.27
L14547-L14546	0.47	0.47	0.47	0.20	0.14
L14546-L14544	0.48	0.48	0.48	0.01	0.01
L14763-L14764	0.76	0.76	0.76	0.01	0.23
L14862-L14864	1.05	1.05	1.05	0.01	0.32
L14663-L14661	0.38	0.38	0.38	1.08	0.37
L14661-L14764	0.32	0.32	0.32	0.63	0.29
L14764-L14765	0.12	0.12	0.12	0.01	0.01
L14765-L14766_OrifaceNode	0.15	0.15	0.15	0.01	0.01
L14766-L14864	0.12	0.12	0.12	0.01	0.01
L14864-L14962	0.16	0.16	0.16	0.22	0.15
L14962-L14961	0.14	0.14	0.14	0.12	0.14
L14961-M14061	0.01	0.01	0.01	0.68	0.01
M14032-M1433B	0.65	0.65	0.65	3.48	0.45
M1433B-M14035	0.58	0.58	0.58	4.02	0.46
M14035-M14131	0.54	0.54	0.54	3.51	0.30
M14131-M14132	0.51	0.51	0.51	3.74	0.30
M14132-M14003	0.49	0.49	0.49	3.39	0.24
M14003-M14232	0.48	0.48	0.48	3.80	0.35
M14232-M1431B	0.48	0.48	0.48	0.01	0.01
M14342-M14351	0.01	0.01	0.01	1.14	0.01
M14021-M14022	1.11	1.11	1.11	0.04	0.23
M14022-M14121	1.02	1.02	1.03	0.08	0.11
M14121-M14122	0.84	0.84	0.86	0.12	0.13
M14122-M14221	0.93	0.93	0.96	0.01	0.24
M14221-M14222	1.25	1.25	1.25	0.01	0.23
M14222-M14223	1.29	1.29	1.29	0.47	0.51
M14223-M14321	1.29	1.29	1.29	1.14	0.91
M14321-M1432A	1.28	1.28	1.28	1.15	0.97
M1432A-M14233	1.25	1.25	1.25	1.82	1.19
M14233-M1431A	1.05	1.05	1.05	1.70	0.94
M1431A-M1432B	0.95	0.95	0.95	0.79	0.42
M1432B-M1431B	0.95	0.95	0.95	0.01	0.01

M14441-M14451	0.01	0.01	0.01	0.14	0.01
M14451-M14FG1	0.32	0.32	0.32	1.37	0.32
M14453-M14OU3	0.35	0.35	0.35	0.01	0.01
M14551-M14456	0.17	0.17	0.17	0.01	0.02
M14456-M14455	0.18	0.18	0.18	0.01	0.01
M14455-M14454	0.22	0.22	0.22	0.01	0.01
M14454-M14FG2	0.01	0.01	0.01	0.17	0.01
M14224-M14223	1.40	1.40	1.41	0.01	0.05
M14334-M14421	0.02	0.02	0.02	0.01	0.01
M14421-M14522	0.21	0.21	0.21	0.01	0.01
M14522-M14521	0.37	0.37	0.37	0.01	0.01
M14521-M14621	0.54	0.54	0.54	0.01	0.01
M14621-M14622	0.68	0.68	0.68	0.01	0.01
M14622-M14631	0.84	0.84	0.84	0.01	0.01
M14631-M14641	1.02	1.02	1.02	0.01	0.01
M14641-M14642	1.21	1.21	1.21	0.77	0.61
M14642-M14CH2	1.39	1.39	1.39	0.01	0.01
K14954-K14945	17.86	17.86	17.86	17.95	17.86
K14945-K14944	17.84	17.84	17.84	16.12	16.06
K14944-K14941	17.83	17.83	17.83	17.93	17.82
L14GAR-K14CRO	2.36	2.36	2.36	0.01	0.01
K14CRO-K14864	1.25	1.25	1.25	0.01	0.01
K14864-K14PAC	2.35	2.35	2.35	0.68	0.63
K14PAC-K14MH2	2.44	2.44	2.44	0.63	0.49
K14MH2-K14JB1	2.79	2.79	2.79	0.01	0.02
K14CR1-K14CRO	1.75	1.75	1.75	0.01	0.01
M14M08-M14MY1	0.32	0.32	0.32	0.01	0.01
M14M05-M14M04	0.01	0.01	0.01	0.30	0.01
M14M03-M14M02	0.08	0.08	0.08	0.01	0.01
M14M02-MechemPond	0.26	0.26	0.26	0.01	0.23
M14M13-M14241	3.23	3.23	3.23	5.54	3.17
L14K06-L14K05	0.01	0.01	0.01	0.71	0.01
L14K04-L14K03	0.15	0.15	0.15	0.10	0.15
L14K03-L14K02	0.49	0.49	0.49	0.01	0.01
L14K02-L14K01	1.05	1.05	1.06	0.54	0.60
L14K01-L14551	1.34	1.34	1.35	0.79	0.86
L14551-L14541	3.84	3.84	3.85	0.88	0.86
L14541-L14JB3	9.19	9.19	9.19	0.01	0.01
L14IN1-L14532	5.18	5.18	5.18	6.09	5.18
M14015-M14016	1.29	1.29	1.29	0.85	0.91
M14016-M14017	1.29	1.29	1.29	1.00	0.93
M14017-M14CH1	1.33	1.33	1.34	2.79	1.31
M14601-M14600	0.83	0.83	0.83	2.07	0.66
M14600-M14CH3	0.83	0.83	0.83	1.16	0.43
K14JB1-S.BroadwayPond	9.88	9.88	9.90	0.24	0.53
L14JB3-KathrynPond	4.62	4.62	4.63	0.15	0.01
L14JB1-L14PS1	3.61	3.61	3.61	0.01	0.01
S.BroadwayPond-K14954	17.87	17.87	17.87	17.95	17.87
MechemPond-M14m13	4.99	4.99	4.99	6.16	4.99
L14K06-L14562	0.34	0.34	0.34	0.01	0.01

****
Pumping Summary
****

Pump	Percent Utilized	Number of Start-Ups	Min Flow CFS	Avg Flow CFS	Max Flow CFS	Total Volume 10^6 gal	Power Usage Kw-hr	% Time Off Pump Curve Low	% Time Off Pump Curve High
PUMP_CT-3500-135_02	92.07	1	0.00	36.47	73.69	19.598	967.14	0.0	0.0

Analysis begun on: Thu Sep 27 07:57:12 2012
Analysis ended on: Thu Sep 27 08:00:01 2012
Total elapsed time: 00:02:49

```
EPA STORM WATER MANAGEMENT MODEL - VERSION 5.0 (Build 5.0.022)
--------------------------------------------------------------


***********************************************************
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
  Snowmelt ............... NO
  Groundwater ............ NO
  Flow Routing ........... YES
  Ponding Allowed ........ YES
  Water Quality .......... NO
Infiltration Method ...... CURVE_NUMBER
Flow Routing Method ...... DYNWAVE
Starting Date ............ JAN-01-1995 00:00:00
Ending Date .............. JAN-01-1995 23:59:00
Antecedent Dry Days ...... 0.0
Report Time Step ......... 00:01:00
Wet Time Step ............ 00:01:00
Dry Time Step ............ 00:00:00
Routing Time Step ........ 1.00 sec


WARNING 04: minimum elevation drop used for Conduit K15002-K15001

WARNING 04: minimum elevation drop used for Conduit L14347-L14348

WARNING 03: negative offset ignored for Link L14392-L14393

WARNING 04: minimum elevation drop used for Conduit L14364-L14363

WARNING 04: minimum elevation drop used for Conduit L14462-L14461

WARNING 04: minimum elevation drop used for Conduit L14561-L14562

WARNING 04: minimum elevation drop used for Conduit L14444-L14442

WARNING 04: minimum elevation drop used for Conduit L14445-L14443

WARNING 03: negative offset ignored for Link M14IN1-M14031

WARNING 03: negative offset ignored for Link L14752-L14745

WARNING 03: negative offset ignored for Link L14543-L14532

WARNING 04: minimum elevation drop used for Conduit L14736-L14734

WARNING 04: minimum elevation drop used for Conduit L14852-L14851

WARNING 04: minimum elevation drop used for Conduit L14851-L14761

WARNING 04: minimum elevation drop used for Conduit L14646-L14547

WARNING 03: negative offset ignored for Link L14663-L14661

WARNING 03: negative offset ignored for Link L14661-L14764

WARNING 03: negative offset ignored for Link L14961-M14061

WARNING 03: negative offset ignored for Link M14242-M14342

WARNING 04: minimum elevation drop used for Conduit M14451-M14FG1
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WARNING 03: negative offset ignored for Link M14443-M14444
WARNING 04: minimum elevation drop used for Conduit M14452-M14FG3
WARNING 03: negative offset ignored for Link M14224-M14223
WARNING 03: negative offset ignored for Link M14224-M14223
WARNING 04: minimum elevation drop used for Conduit M14017-M14CH1
WARNING 04: minimum elevation drop used for Conduit M14601-M14600
WARNING 04: minimum elevation drop used for Conduit M14600-M14CH3
WARNING 03: negative offset ignored for Link M14OU1-M14FG1
WARNING 03: negative offset ignored for Link SJ8-Street
WARNING 03: negative offset ignored for Link MechemPond-M14m13
WARNING 03: negative offset ignored for Link PUMP_CT-3500-135_02
WARNING 02: maximum depth increased for Node K14071
WARNING 02: maximum depth increased for Node K14072
WARNING 02: maximum depth increased for Node K14074
WARNING 02: maximum depth increased for Node K14075
WARNING 02: maximum depth increased for Node K14081
WARNING 02: maximum depth increased for Node K14171
WARNING 02: maximum depth increased for Node K14172
WARNING 02: maximum depth increased for Node K14173
WARNING 02: maximum depth increased for Node K14174
WARNING 02: maximum depth increased for Node K14183
WARNING 02: maximum depth increased for Node K14191
WARNING 02: maximum depth increased for Node K14271
WARNING 02: maximum depth increased for Node K14281
WARNING 02: maximum depth increased for Node K14461
WARNING 02: maximum depth increased for Node K14462
WARNING 02: maximum depth increased for Node K14483
WARNING 02: maximum depth increased for Node K14551
WARNING 02: maximum depth increased for Node K14591
WARNING 02: maximum depth increased for Node K14762
WARNING 02: maximum depth increased for Node K14772
WARNING 02: maximum depth increased for Node K14864
WARNING 02: maximum depth increased for Node K14874
WARNING 02: maximum depth increased for Node K14892
WARNING 02: maximum depth increased for Node K14951
WARNING 02: maximum depth increased for Node K14952
```

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WARNING 02: maximum depth increased for Node K15111
WARNING 02: maximum depth increased for Node K15121
WARNING 02: maximum depth increased for Node K15211
WARNING 02: maximum depth increased for Node K15212
WARNING 02: maximum depth increased for Node K15213
WARNING 02: maximum depth increased for Node K15214
WARNING 02: maximum depth increased for Node K15311
WARNING 02: maximum depth increased for Node K15502
WARNING 02: maximum depth increased for Node K15604
WARNING 02: maximum depth increased for Node L14052
WARNING 02: maximum depth increased for Node L14071
WARNING 02: maximum depth increased for Node L14143
WARNING 02: maximum depth increased for Node L14151
WARNING 02: maximum depth increased for Node L14262
WARNING 02: maximum depth increased for Node L14274
WARNING 02: maximum depth increased for Node L14351
WARNING 02: maximum depth increased for Node L14541
WARNING 02: maximum depth increased for Node L14561
WARNING 02: maximum depth increased for Node L14562
WARNING 02: maximum depth increased for Node L14742
WARNING 02: maximum depth increased for Node L1474C
WARNING 02: maximum depth increased for Node L14772
WARNING 02: maximum depth increased for Node L14864
WARNING 02: maximum depth increased for Node M14222
WARNING 02: maximum depth increased for Node M14271
WARNING 02: maximum depth increased for Node M14342
WARNING 02: maximum depth increased for Node M14441
WARNING 02: maximum depth increased for Node M14454
WARNING 02: maximum depth increased for Node M14521
WARNING 02: maximum depth increased for Node M14IN1
WARNING 02: maximum depth increased for Node K14954
WARNING 02: maximum depth increased for Node K14945
WARNING 02: maximum depth increased for Node K14944
WARNING 02: maximum depth increased for Node L14GAR
WARNING 02: maximum depth increased for Node M14M08
WARNING 02: maximum depth increased for Node M14PL1
```

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WARNING 02: maximum depth increased for Node L14K02

WARNING 02: maximum depth increased for Node L14K03

WARNING 02: maximum depth increased for Node M14601

WARNING 02: maximum depth increased for Node M14015

WARNING 02: maximum depth increased for Node M14016

WARNING 02: maximum depth increased for Node M14017

WARNING 02: maximum depth increased for Node Culvert2in

WARNING 02: maximum depth increased for Node Culvert2out

**************************        Volume         Depth
Runoff Quantity Continuity     acre-feet        inches
**************************     ---------       -------
Total Precipitation ......       270.488         2.230
Evaporation Loss .........         0.000         0.000
Infiltration Loss ........       132.152         1.090
Surface Runoff ...........       132.379         1.091
Final Surface Storage ....         6.051         0.050
Continuity Error (%) .....        -0.035


**************************        Volume        Volume
Flow Routing Continuity        acre-feet      10^6 gal
**************************     ---------     ---------
Dry Weather Inflow .......         0.000         0.000
Wet Weather Inflow .......       132.379        43.138
Groundwater Inflow .......         0.000         0.000
RDII Inflow ..............         0.000         0.000
External Inflow ..........         0.000         0.000
External Outflow .........       127.367        41.505
Internal Outflow .........         0.000         0.000
Storage Losses ...........         0.000         0.000
Initial Stored Volume ....         0.007         0.002
Final Stored Volume ......         5.062         1.650
Continuity Error (%) .....        -0.033


*************************
Highest Continuity Errors
*************************
Node L14561 (-19.42%)
Node J14993 (-19.32%)
Node L14272 (-12.53%)
Node K14084 (10.15%)
Node M14343 (-10.00%)


***************************
Time-Step Critical Elements
***************************
Link M14FG3-M14OU3 (12.15%)


*******************************
Highest Flow Instability Indexes
*******************************
Link M14441-M14451 (73)
Link L14864-L14962 (65)
Link M14MY1-M14M05 (44)
Link M14351-M14OU1 (38)
Link L14JB3-L14JB3_OrificeNode (29)


************************
Routing Time Step Summary
```

****
Minimum Time Step : 0.50 sec
Average Time Step : 0.93 sec
Maximum Time Step : 1.00 sec
Percent in Steady State : 0.00
Average Iterations per Step : 2.51

****
Subcatchment Runoff Summary
****

Subcatchment	Total Precip in	Total Runon in	Total Evap in	Total Infil in	Total Runoff in	Total Runoff 10^6 gal	Peak Runoff CFS	Runoff Coeff
BH-134	2.23	0.00	0.00	0.83	1.35	1.26	96.21	0.605
SJH-100	2.23	0.00	0.00	0.75	1.44	2.08	163.29	0.644
SJH-102	2.23	0.00	0.00	1.02	1.16	3.34	235.70	0.521
SJH-105	2.23	0.00	0.00	1.07	1.11	1.57	109.17	0.498
SJH-106	2.23	0.00	0.00	1.14	1.04	1.62	114.28	0.468
SJH-150	2.23	0.00	0.00	1.02	1.16	1.47	104.17	0.521
SJH-152	2.23	0.00	0.00	1.17	1.01	2.23	141.86	0.455
SJH-153	2.23	0.00	0.00	1.14	1.04	1.19	86.02	0.468
SJH-200	2.23	0.00	0.00	0.98	1.20	0.99	61.57	0.539
SJH-202	2.23	0.00	0.00	1.22	0.96	1.07	58.20	0.431
SJH-700	2.23	0.00	0.00	1.11	1.08	0.63	38.59	0.482
SJH-109	2.23	0.00	0.00	1.40	0.78	1.35	88.76	0.351
SJN-710	2.23	0.00	0.00	1.35	0.83	0.18	9.21	0.373
SJN-720	2.23	0.00	0.00	1.52	0.66	0.30	21.73	0.295
SJN-730	2.23	0.00	0.00	1.45	0.73	0.62	41.85	0.330
SJN-740	2.23	0.00	0.00	0.94	1.23	2.76	87.85	0.551
SJ-8	2.23	0.00	0.00	1.02	1.16	0.90	61.50	0.521
SJ-90L	2.23	0.00	0.00	0.92	1.24	0.99	29.04	0.558
SJ-955	2.23	0.00	0.00	1.24	0.94	0.73	38.06	0.423
SJ-7	2.23	0.00	0.00	1.36	0.82	1.04	57.91	0.367
SJH-701	2.23	0.00	0.00	1.32	0.86	1.01	55.60	0.386
SJ-5	2.23	0.00	0.00	1.15	1.03	0.97	61.17	0.462
SJ-4A	2.23	0.00	0.00	1.19	0.99	0.69	44.06	0.443
SJ-3	2.23	0.00	0.00	0.96	1.22	1.00	71.18	0.548
SJ-2	2.23	0.00	0.00	1.22	0.96	1.22	71.90	0.430
SJ-1	2.23	0.00	0.00	1.07	1.11	1.46	87.54	0.499
SJN-10	2.23	0.00	0.00	1.35	0.83	0.23	11.89	0.372
SJN-6	2.23	0.00	0.00	1.21	0.97	0.74	40.66	0.436
SJH-100_1A	2.23	0.00	0.00	0.93	1.26	0.81	39.47	0.563
SJH-100_2A	2.23	0.00	0.00	0.43	1.74	0.18	14.87	0.779
SJH-100_3A	2.23	0.00	0.00	0.91	1.28	0.41	31.79	0.572
SJH-100_4A	2.23	0.00	0.00	0.56	1.63	0.20	16.19	0.730
SJH-100_5A	2.23	0.00	0.00	1.01	1.18	0.39	33.23	0.527
SJH-102_1A	2.23	0.00	0.00	0.51	1.65	0.73	59.16	0.741
SJH-102_2A	2.23	0.00	0.00	0.35	1.82	0.27	21.29	0.817
SJH-105_1A	2.23	0.00	0.00	0.78	1.40	0.65	49.93	0.630
SJH-105_2A	2.23	0.00	0.00	0.75	1.42	0.25	19.89	0.635
SJH-106_1A	2.23	0.00	0.00	0.96	1.22	1.54	62.45	0.547
SJH-150_1A	2.23	0.00	0.00	1.09	1.09	0.45	21.47	0.488
SJH-100_6A	2.23	0.00	0.00	0.20	1.99	0.65	50.06	0.894
SJH-150_2A	2.23	0.00	0.00	1.36	0.82	0.25	10.08	0.367
SJH-152_1A	2.23	0.00	0.00	0.90	1.29	0.25	21.13	0.578
SJH-153_1A	2.23	0.00	0.00	1.11	1.08	0.36	33.14	0.483
SJH-200_1A	2.23	0.00	0.00	0.92	1.27	0.20	15.61	0.569
SJH-700A_1A	2.23	0.00	0.00	1.21	0.97	0.09	5.34	0.437
SJH-700B_1A	2.23	0.00	0.00	1.59	0.59	0.08	7.26	0.265
SJH-700A	2.23	0.00	0.00	1.32	0.86	0.30	14.16	0.385
SJH-700B	2.23	0.00	0.00	1.08	1.10	0.58	37.35	0.493
SJH-700C	2.23	0.00	0.00	1.21	0.98	0.38	20.36	0.438
SJ-4B	2.23	0.00	0.00	1.35	0.84	0.50	27.78	0.375

****
Node Depth Summary
****

Node	Type	Average Depth Feet	Maximum Depth Feet	Maximum HGL Feet	Time of Max Occurrence days	hr:min
J14993	JUNCTION	0.13	2.93	4965.01	0	01:46
J14994	JUNCTION	0.00	0.00	4972.97	0	00:00
J15903	JUNCTION	0.00	0.00	4983.70	0	00:00
K14071	JUNCTION	0.49	5.59	4963.85	0	01:57
K14072	JUNCTION	0.46	5.41	4963.87	0	01:57
K14073	JUNCTION	0.39	5.86	4965.02	0	01:41
K14074	JUNCTION	0.56	6.30	4964.26	0	01:57
K14075	JUNCTION	0.73	8.08	4965.66	0	01:56
K14076	JUNCTION	0.47	8.63	4968.08	0	02:29
K14077	JUNCTION	0.43	8.98	4969.15	0	02:29
K14081	JUNCTION	0.40	5.07	4965.11	0	01:47
K14082	JUNCTION	0.29	4.93	4965.26	0	01:44
K14083	JUNCTION	0.21	4.29	4965.28	0	01:47
K14084	JUNCTION	0.20	4.21	4965.29	0	01:47
K14085	JUNCTION	0.17	1.52	4968.28	0	02:02
K14091	JUNCTION	0.00	0.00	4983.26	0	00:00
K14171	JUNCTION	0.82	9.82	4966.86	0	01:52
K14172	JUNCTION	0.96	11.97	4968.66	0	01:52
K14173	JUNCTION	0.30	6.74	4970.27	0	01:51
K14174	JUNCTION	0.23	5.91	4973.99	0	01:49
K14181	JUNCTION	0.15	1.15	4976.32	0	02:01
K14182	JUNCTION	0.17	1.35	4985.47	0	02:01
K14183	JUNCTION	0.21	5.67	4984.38	0	01:48
K14191	JUNCTION	0.17	1.36	4987.03	0	02:01
K14271	JUNCTION	0.96	11.61	4967.66	0	01:53
K14281	JUNCTION	0.20	3.56	4993.55	0	01:47
K14291	JUNCTION	0.13	2.01	5002.54	0	01:46
K14361	JUNCTION	0.98	11.17	4966.20	0	02:05
K14362	JUNCTION	0.97	11.20	4966.14	0	02:05
K14371	JUNCTION	1.00	11.39	4966.91	0	01:53
K14372	JUNCTION	1.00	11.32	4966.79	0	01:54
K14373	JUNCTION	1.00	11.28	4966.68	0	01:54
K14451	JUNCTION	0.33	3.47	4963.15	0	02:26
K14461	JUNCTION	1.07	11.59	4965.89	0	02:00
K14462	JUNCTION	0.56	5.32	4968.74	0	01:47
K14463	JUNCTION	1.06	11.30	4965.52	0	02:01
K14471	JUNCTION	0.23	5.16	4973.87	0	02:02
K14481	JUNCTION	0.13	2.99	4979.63	0	02:02
K14482	JUNCTION	0.13	3.01	4980.29	0	02:02
K14483	JUNCTION	0.11	1.24	4986.51	0	02:02
K14551	JUNCTION	1.37	3.43	4964.59	0	02:21
K14563	JUNCTION	0.98	9.94	4963.58	0	01:59
K14591	JUNCTION	0.31	9.23	5003.95	0	02:01
K14592	JUNCTION	0.25	8.10	5012.24	0	01:57
K14661	JUNCTION	1.08	8.56	4961.46	0	01:47
K14662	JUNCTION	1.10	7.20	4959.35	0	01:47
K14671	JUNCTION	0.00	0.00	4971.30	0	00:00
K14672	JUNCTION	0.00	0.00	4982.92	0	00:00
K14681	JUNCTION	0.00	0.00	4992.92	0	00:00
K14761	JUNCTION	1.21	7.15	4958.81	0	01:47
K14762	JUNCTION	0.02	1.29	4958.95	0	01:46
K14771	JUNCTION	0.21	2.73	4969.25	0	01:46
K14772	JUNCTION	0.22	2.76	4979.74	0	01:46
K14781	JUNCTION	0.12	1.44	4982.80	0	01:47
K14782	JUNCTION	0.12	1.44	4985.50	0	01:47
K14783	JUNCTION	0.12	1.44	4992.20	0	01:47
K14791	JUNCTION	0.12	1.45	5009.25	0	01:46
K14792	JUNCTION	0.12	1.44	4994.90	0	01:46
K14862	JUNCTION	0.08	1.25	4957.76	0	01:47
K14863	JUNCTION	0.00	0.00	4950.53	0	00:00
K14864	JUNCTION	1.40	5.44	4955.98	0	01:49
K14871	JUNCTION	0.08	1.03	4964.09	0	01:47
K14872	JUNCTION	0.08	1.07	4972.23	0	01:46
K14873	JUNCTION	0.08	1.08	4973.05	0	01:46
K14874	JUNCTION	0.00	0.00	4962.44	0	00:00
K14875	JUNCTION	0.00	0.00	4969.98	0	00:00

K14881	JUNCTION	0.08	0.94	4984.29	0	01:46
K14882	JUNCTION	0.00	0.00	4977.49	0	00:00
K14891	JUNCTION	0.07	0.90	4994.38	0	01:45
K14892	JUNCTION	0.07	0.91	5000.48	0	01:45
K14941	JUNCTION	5.59	11.75	4949.28	0	04:00
K14942	JUNCTION	5.10	11.99	4949.13	0	04:00
K14943	JUNCTION	0.97	5.54	4949.21	0	04:00
K14951	JUNCTION	0.61	5.15	4949.81	0	03:21
K14952	JUNCTION	0.64	5.64	4948.89	0	03:20
K14953	JUNCTION	0.03	0.80	4946.91	0	03:15
K14961	JUNCTION	0.20	0.95	4950.75	0	03:13
K15001	JUNCTION	0.00	0.00	4983.70	0	00:00
K15002	JUNCTION	0.00	0.00	4983.70	0	00:00
K15003	JUNCTION	0.00	0.00	4983.70	0	00:00
K15111	JUNCTION	0.39	12.60	5041.47	0	01:45
K15121	JUNCTION	0.26	10.73	5042.77	0	01:46
K15201	JUNCTION	0.13	2.01	5024.60	0	01:46
K15211	JUNCTION	0.34	10.28	5037.45	0	01:45
K15212	JUNCTION	0.30	6.68	5032.39	0	01:45
K15213	JUNCTION	0.28	7.36	5034.64	0	01:47
K15214	JUNCTION	0.29	7.28	5035.09	0	01:47
K15311	JUNCTION	0.41	8.27	5036.44	0	01:50
K15401	JUNCTION	0.06	3.57	5021.02	0	01:54
K15501	JUNCTION	0.23	6.97	5021.06	0	01:55
K15502	JUNCTION	0.34	13.40	5045.12	0	01:48
K15601	JUNCTION	0.11	1.48	5015.20	0	01:46
K15602	JUNCTION	0.11	1.41	5015.12	0	01:46
K15604	JUNCTION	0.11	1.38	5021.43	0	01:46
L14018	JUNCTION	0.96	2.83	4941.92	0	02:01
L14041	JUNCTION	4.13	10.68	4947.40	0	03:31
L14042	JUNCTION	0.10	1.98	4947.00	0	03:17
L14051	JUNCTION	0.13	2.39	4947.20	0	03:07
L14052	JUNCTION	0.72	5.87	4947.46	0	03:13
L14053	JUNCTION	0.04	1.09	4946.97	0	03:14
L14054	JUNCTION	0.06	5.19	4950.85	0	03:09
L14055	JUNCTION	0.92	7.16	4947.38	0	03:11
L14061	JUNCTION	0.52	1.54	4950.75	0	03:12
L14071	JUNCTION	0.00	0.00	4966.23	0	00:00
L14072	JUNCTION	0.00	0.00	4975.89	0	00:00
L14081	JUNCTION	0.00	0.00	4986.53	0	00:00
L14141	JUNCTION	3.30	10.42	4946.74	0	03:11
L14142	JUNCTION	2.11	8.84	4946.76	0	03:11
L14143	JUNCTION	2.08	10.17	4946.10	0	03:09
L14151	JUNCTION	1.10	7.40	4946.58	0	03:12
L14152	JUNCTION	1.27	8.50	4946.16	0	03:06
L14161	JUNCTION	0.93	2.11	4950.75	0	03:12
L14171	JUNCTION	0.00	0.00	4978.42	0	00:00
L14172	JUNCTION	0.00	0.00	4974.47	0	00:00
L14181	JUNCTION	0.00	0.00	4987.56	0	00:00
L14182	JUNCTION	0.00	0.00	4985.32	0	00:00
L14191	JUNCTION	0.00	0.00	4996.45	0	00:00
L14192	JUNCTION	0.00	0.00	4996.67	0	00:00
L14241	JUNCTION	0.69	6.81	4946.71	0	02:47
L14242	JUNCTION	0.48	5.00	4946.13	0	03:09
L14243	JUNCTION	2.05	5.50	4946.47	0	03:04
L14244	JUNCTION	1.61	7.07	4948.47	0	01:46
L14245	JUNCTION	1.96	6.48	4947.54	0	01:46
L14251	JUNCTION	1.71	7.03	4948.35	0	01:46
L14252	JUNCTION	1.47	6.80	4948.34	0	01:46
L14261	JUNCTION	1.45	2.72	4950.16	0	03:13
L14262	JUNCTION	0.37	5.68	4964.13	0	01:51
L14263	JUNCTION	0.46	6.07	4963.53	0	01:50
L14271	JUNCTION	0.04	2.04	4964.19	0	01:47
L14272	JUNCTION	0.01	0.24	4964.21	0	01:47
L14273	JUNCTION	0.00	0.00	4972.97	0	00:00
L14274	JUNCTION	0.15	1.96	4964.01	0	01:50
L14275	JUNCTION	0.00	0.00	4975.03	0	00:00
L14281	JUNCTION	0.00	0.00	4979.97	0	00:00
L14282	JUNCTION	0.00	0.00	4982.85	0	00:00
L14291	JUNCTION	0.00	0.00	4994.67	0	00:00
L14341	JUNCTION	0.38	4.41	4946.14	0	03:10
L14342	JUNCTION	0.34	4.14	4946.13	0	03:09

L14343	JUNCTION	1.34	5.05	4947.31	0	02:28
L14344	JUNCTION	3.04	7.91	4947.88	0	02:08
L14345	JUNCTION	2.14	6.21	4947.12	0	01:46
L14346	JUNCTION	3.03	8.41	4948.45	0	02:08
L14347	JUNCTION	6.50	11.17	4947.31	0	01:42
L14348	JUNCTION	6.50	11.17	4947.31	0	01:42
L14349	JUNCTION	2.59	6.41	4946.75	0	02:38
L14351	JUNCTION	0.62	1.39	4947.81	0	02:14
L14352	JUNCTION	0.00	0.00	4949.94	0	00:00
L14353	JUNCTION	1.30	3.57	4947.03	0	02:29
L14354	JUNCTION	0.00	0.00	4949.17	0	00:00
L14355	JUNCTION	0.00	0.00	4949.40	0	00:00
L14361	JUNCTION	1.50	2.71	4949.53	0	03:14
L14362	JUNCTION	0.46	4.94	4961.96	0	01:49
L14363	JUNCTION	0.31	3.97	4960.53	0	01:49
L14364	JUNCTION	0.31	3.99	4960.55	0	01:49
L14371	JUNCTION	0.00	0.00	4974.34	0	00:00
L14372	JUNCTION	0.00	0.00	4984.47	0	00:00
L14373	JUNCTION	0.00	0.00	4984.23	0	00:00
L14381	JUNCTION	0.00	0.00	4992.31	0	00:00
L14391	JUNCTION	0.00	0.00	5000.36	0	00:00
L14392	JUNCTION	0.00	0.00	4998.35	0	00:00
L14393	JUNCTION	0.00	0.00	4998.35	0	00:00
L14394	JUNCTION	0.00	0.00	4996.11	0	00:00
L14441	JUNCTION	3.42	8.07	4947.44	0	02:08
L14442	JUNCTION	2.74	6.66	4946.82	0	02:38
L14443	JUNCTION	2.88	6.93	4946.92	0	02:38
L14444	JUNCTION	2.74	7.08	4947.24	0	01:45
L14445	JUNCTION	2.88	6.93	4946.91	0	02:38
L14451	JUNCTION	0.00	0.00	4951.97	0	00:00
L14461	JUNCTION	0.33	4.43	4959.05	0	01:49
L14462	JUNCTION	0.00	0.00	4959.16	0	00:00
L14471	JUNCTION	0.00	0.00	4970.88	0	00:00
L14472	JUNCTION	0.00	0.00	4979.88	0	00:00
L14531	JUNCTION	0.49	1.91	4942.77	0	02:40
L14532	JUNCTION	0.79	2.28	4942.76	0	02:41
L14533	JUNCTION	0.79	2.32	4942.65	0	02:42
L14534	JUNCTION	0.30	1.48	4942.65	0	02:36
L14541	JUNCTION	3.33	7.42	4947.23	0	02:38
L14542	JUNCTION	0.61	3.07	4942.65	0	01:59
L14543	JUNCTION	0.21	1.11	4942.77	0	02:41
L14544	JUNCTION	0.71	3.21	4942.67	0	01:59
L14545	JUNCTION	1.92	3.17	4942.36	0	02:09
L14546	JUNCTION	0.09	2.00	4942.75	0	01:50
L14547	JUNCTION	0.10	3.05	4943.81	0	01:47
L14551	JUNCTION	1.63	6.52	4948.42	0	02:17
L14561	JUNCTION	0.13	3.48	4957.50	0	01:50
L14562	JUNCTION	0.43	4.90	4957.60	0	01:48
L14571	JUNCTION	0.00	0.00	4962.35	0	00:00
L14572	JUNCTION	0.00	0.00	4962.76	0	00:00
L14573	JUNCTION	0.00	0.00	4962.68	0	00:00
L14574	JUNCTION	0.00	0.00	4962.73	0	00:00
L14575	JUNCTION	0.00	0.00	4963.86	0	00:00
L14581	JUNCTION	0.00	0.00	4978.81	0	00:00
L14582	JUNCTION	0.00	0.00	4970.70	0	00:00
L14583	JUNCTION	0.00	0.00	4964.97	0	00:00
L14585	JUNCTION	0.00	0.00	4975.06	0	00:00
L14591	JUNCTION	0.00	0.00	4989.67	0	00:00
L14592	JUNCTION	0.00	0.00	4987.56	0	00:00
L14631	JUNCTION	0.79	2.39	4942.50	0	02:36
L14632	JUNCTION	0.24	1.34	4942.50	0	02:36
L14633	JUNCTION	0.80	2.41	4942.45	0	02:36
L14634	JUNCTION	0.79	2.43	4942.40	0	02:35
L14635	JUNCTION	0.80	2.49	4942.32	0	02:35
L14636	JUNCTION	0.79	2.49	4942.30	0	02:35
L14641	JUNCTION	0.84	3.40	4942.69	0	02:00
L14643	JUNCTION	1.56	2.97	4941.98	0	02:04
L14644	JUNCTION	1.02	3.28	4942.31	0	01:59
L14646	JUNCTION	0.10	4.85	4945.60	0	01:47
L14651	JUNCTION	0.00	0.00	4952.17	0	00:00
L14652	JUNCTION	0.00	0.00	4952.07	0	00:00
L14653	JUNCTION	0.00	0.00	4951.94	0	00:00

L14663	JUNCTION	0.54	5.43	4957.64	0	01:47
L14662	JUNCTION	0.54	5.44	4957.64	0	01:47
L14661	JUNCTION	0.48	5.30	4957.54	0	01:47
L14681	JUNCTION	0.00	0.00	4975.52	0	00:00
L14691	JUNCTION	0.00	0.00	4983.52	0	00:00
L14731	JUNCTION	0.26	1.55	4942.21	0	02:34
L14732	JUNCTION	0.83	2.71	4942.10	0	02:34
L14733	JUNCTION	0.82	2.83	4941.94	0	02:34
L14734	JUNCTION	0.82	2.74	4942.04	0	02:34
L14736	JUNCTION	0.32	1.91	4942.07	0	02:34
L14737	JUNCTION	0.82	2.85	4941.92	0	02:33
L14738	JUNCTION	0.77	2.55	4942.21	0	02:35
L14741	JUNCTION	1.44	3.30	4941.67	0	02:02
L14742	JUNCTION	1.27	3.22	4941.91	0	02:01
L14743	JUNCTION	1.20	3.17	4941.95	0	01:59
L14745	JUNCTION	0.00	0.00	4943.68	0	00:00
L14746	JUNCTION	1.51	3.46	4941.87	0	02:02
L14749	JUNCTION	0.00	0.00	4943.27	0	00:00
L1474A	JUNCTION	1.06	3.26	4942.23	0	01:59
L1474B	JUNCTION	1.51	3.43	4941.83	0	02:02
L1474C	JUNCTION	1.52	3.43	4941.81	0	02:02
L14750	JUNCTION	0.00	0.00	4943.89	0	00:00
L14751	JUNCTION	0.00	0.00	4951.67	0	00:00
L14752	JUNCTION	0.00	0.00	4945.67	0	00:00
L14761	JUNCTION	0.00	0.00	4949.44	0	00:00
L14762	JUNCTION	0.00	0.00	4950.95	0	00:00
L14763	JUNCTION	0.40	5.06	4956.77	0	01:48
L14764	JUNCTION	0.40	5.04	4956.75	0	01:48
L14765	JUNCTION	0.41	5.35	4956.61	0	01:48
L14766	JUNCTION	0.48	6.08	4956.56	0	01:48
L14771	JUNCTION	0.00	0.00	4967.11	0	00:00
L14772	JUNCTION	0.17	2.23	4967.43	0	01:46
L14781	JUNCTION	0.00	0.00	4973.89	0	00:00
L14782	JUNCTION	0.00	0.00	4978.27	0	00:00
L14783	JUNCTION	0.08	1.14	4973.71	0	01:45
L14784	JUNCTION	0.09	1.34	4978.02	0	01:45
L14791	JUNCTION	0.00	0.00	4982.67	0	00:00
L14792	JUNCTION	0.00	0.00	4988.73	0	00:00
L14831	JUNCTION	0.83	2.89	4941.87	0	02:33
L14832	JUNCTION	0.27	1.81	4941.87	0	02:33
L14833	JUNCTION	0.84	2.99	4941.75	0	02:33
L14834	JUNCTION	0.86	3.08	4941.69	0	02:33
L14835	JUNCTION	0.30	2.04	4941.71	0	02:33
L14836	JUNCTION	0.82	3.06	4941.67	0	02:33
L14837	JUNCTION	1.46	3.39	4941.36	0	02:10
L14841	JUNCTION	1.45	3.26	4941.52	0	02:02
L14842	JUNCTION	1.45	3.28	4941.59	0	02:02
L14851	JUNCTION	0.00	0.00	4949.44	0	00:00
L14852	JUNCTION	0.00	0.00	4949.44	0	00:00
L14862	JUNCTION	0.53	6.33	4956.16	0	01:48
L14864	JUNCTION	0.53	6.32	4956.14	0	01:48
L14881	JUNCTION	0.00	0.00	4977.56	0	00:00
L14882	JUNCTION	0.08	1.19	4985.54	0	01:45
L14883	JUNCTION	0.09	1.32	4986.95	0	01:45
L14885	JUNCTION	0.00	0.00	4977.68	0	00:00
L14931	JUNCTION	0.86	3.23	4941.54	0	02:22
L14932	JUNCTION	0.23	1.92	4941.58	0	02:32
L14933	JUNCTION	0.87	3.59	4941.68	0	02:17
L14934	JUNCTION	1.47	3.41	4941.23	0	02:11
L14935	JUNCTION	1.47	3.43	4941.15	0	02:10
L14961	JUNCTION	0.93	6.22	4955.12	0	01:48
L14962	JUNCTION	0.79	6.24	4955.31	0	01:48
L14JB1	JUNCTION	2.06	10.95	4946.04	0	03:11
L14JB2	JUNCTION	1.76	3.19	4950.75	0	03:13
M14003	JUNCTION	1.25	3.42	4939.74	0	02:18
M14021	JUNCTION	0.88	3.60	4941.56	0	02:17
M14022	JUNCTION	0.88	4.06	4941.92	0	02:17
M14031	JUNCTION	1.54	3.53	4940.96	0	02:10
M14032	JUNCTION	1.53	3.49	4940.79	0	02:10
M14034	JUNCTION	0.00	0.00	4941.23	0	00:00
M14035	JUNCTION	1.50	3.43	4940.50	0	02:10
M14061	JUNCTION	0.42	4.17	4953.37	0	01:49

M14121	JUNCTION	0.90	5.85	4943.42	0	02:17
M14122	JUNCTION	0.88	4.75	4942.02	0	02:18
M14131	JUNCTION	1.47	3.45	4940.27	0	02:10
M14132	JUNCTION	1.40	3.40	4939.97	0	02:17
M14161	JUNCTION	0.00	0.00	4946.89	0	00:00
M14221	JUNCTION	0.90	5.01	4941.97	0	03:00
M14222	JUNCTION	0.96	4.22	4940.98	0	02:18
M14223	JUNCTION	0.97	4.39	4941.06	0	03:01
M14224	JUNCTION	0.53	3.19	4940.51	0	02:34
M14232	JUNCTION	0.98	3.42	4939.62	0	02:18
M14233	JUNCTION	0.97	4.12	4940.30	0	02:18
M14241	JUNCTION	1.31	4.66	4939.48	0	02:17
M14242	JUNCTION	0.67	3.85	4939.36	0	02:18
M14243	JUNCTION	1.41	4.59	4939.42	0	02:18
M14251	JUNCTION	0.75	3.94	4939.51	0	02:16
M14252	JUNCTION	0.00	0.00	4941.61	0	00:00
M14253	JUNCTION	0.00	0.00	4941.84	0	00:00
M14254	JUNCTION	0.00	0.00	4939.72	0	00:00
M14261	JUNCTION	0.00	0.00	4945.86	0	00:00
M14263	JUNCTION	0.00	0.00	4949.44	0	00:00
M14264	JUNCTION	0.00	0.00	4944.64	0	00:00
M14271	JUNCTION	0.11	0.97	4967.96	0	01:50
M14281	JUNCTION	0.00	0.00	4978.10	0	00:00
M14282	JUNCTION	0.00	0.00	4989.11	0	00:00
M1431A	JUNCTION	0.95	4.07	4940.04	0	02:18
M1431B	JUNCTION	1.36	4.30	4939.46	0	02:18
M14321	JUNCTION	0.99	4.19	4940.55	0	02:18
M1432A	JUNCTION	0.99	4.18	4940.51	0	02:18
M1432B	JUNCTION	1.02	4.09	4939.78	0	02:18
M14333	JUNCTION	0.00	0.00	4935.78	0	00:00
M14334	JUNCTION	0.12	2.26	4936.13	0	02:21
M1433B	JUNCTION	1.52	3.44	4940.63	0	02:11
M14341	JUNCTION	1.41	4.81	4939.43	0	02:17
M14342	JUNCTION	1.57	4.96	4939.36	0	02:18
M14343	JUNCTION	0.04	0.87	4935.56	0	02:24
M14344	JUNCTION	0.13	1.71	4935.56	0	02:26
M14351	JUNCTION	0.38	2.27	4935.59	0	02:25
M14352	JUNCTION	0.66	2.94	4935.56	0	02:26
M14353	JUNCTION	0.31	2.39	4935.56	0	02:25
M14421	JUNCTION	0.16	2.53	4936.10	0	02:22
M1442A	JUNCTION	0.13	1.63	4935.67	0	02:02
M1442B	JUNCTION	0.00	0.00	4935.17	0	00:00
M14431	JUNCTION	0.06	0.94	4935.67	0	02:02
M14433	JUNCTION	0.01	0.40	4935.43	0	02:29
M14435	JUNCTION	0.03	0.66	4935.42	0	02:28
M14441	JUNCTION	0.30	2.20	4935.65	0	02:02
M14442	JUNCTION	0.08	1.46	4935.42	0	02:27
M14443	JUNCTION	0.00	0.00	4933.86	0	00:00
M14444	JUNCTION	0.00	0.00	4933.94	0	00:00
M14445	JUNCTION	0.16	2.09	4935.42	0	02:27
M14451	JUNCTION	0.52	2.94	4935.50	0	02:27
M14452	JUNCTION	0.00	0.00	4933.25	0	00:00
M14453	JUNCTION	0.35	2.91	4935.41	0	02:27
M14454	JUNCTION	0.34	3.62	4936.61	0	01:47
M14455	JUNCTION	0.32	3.61	4936.63	0	01:47
M14456	JUNCTION	0.27	3.55	4936.74	0	01:47
M14521	JUNCTION	0.35	3.33	4936.09	0	02:23
M14522	JUNCTION	0.21	2.93	4936.10	0	02:22
M14551	JUNCTION	0.15	3.19	4937.13	0	01:49
M14621	JUNCTION	0.42	4.98	4937.33	0	02:14
M14622	JUNCTION	0.52	4.90	4936.88	0	02:14
M14631	JUNCTION	0.63	4.73	4936.34	0	02:12
M14641	JUNCTION	0.78	4.98	4936.22	0	02:05
M14642	JUNCTION	0.96	4.55	4935.41	0	02:26
M14CH3	JUNCTION	2.05	5.80	4935.28	0	02:28
M14FG1	JUNCTION	1.10	3.83	4935.49	0	02:27
M14FG2	JUNCTION	1.18	4.16	4935.42	0	02:27
M14FG3	JUNCTION	1.19	4.18	4935.41	0	02:27
M14IN1	JUNCTION	32.99	37.40	4941.05	0	02:18
M14IN2	JUNCTION	0.00	0.00	4941.82	0	00:00
M14OU1	JUNCTION	0.99	3.39	4935.56	0	02:26
M14OU3	JUNCTION	1.19	4.19	4935.41	0	02:27

M15201	JUNCTION	0.00	0.00	5004.84	0	00:00
K14954	JUNCTION	6.63	12.04	4949.96	0	03:16
K14945	JUNCTION	6.50	11.94	4949.82	0	03:01
K14944	JUNCTION	5.85	11.88	4949.49	0	03:40
K14MH1	JUNCTION	1.61	5.75	4955.87	0	01:47
K14JB1	JUNCTION	5.67	12.92	4955.39	0	02:43
L14GAR	JUNCTION	0.98	4.46	4956.01	0	01:49
K14CRO	JUNCTION	1.17	5.24	4956.28	0	01:47
K14PAC	JUNCTION	1.41	5.25	4955.74	0	01:49
K14MH2	JUNCTION	1.49	5.28	4955.43	0	02:43
K14PL1	JUNCTION	0.00	0.00	4951.10	0	00:00
K14CR1	JUNCTION	0.42	2.97	4956.28	0	01:47
M14M02	JUNCTION	1.05	6.43	4947.84	0	02:05
M14M03	JUNCTION	0.53	4.94	4948.97	0	02:02
M14M04	JUNCTION	0.38	3.95	4950.31	0	01:50
M14M05	JUNCTION	0.53	5.09	4952.23	0	01:49
M14M06	JUNCTION	0.00	0.00	4964.10	0	00:00
M14MY1	JUNCTION	0.49	5.09	4952.43	0	01:49
M14M08	JUNCTION	0.29	4.49	4952.53	0	01:49
M14M09	JUNCTION	0.15	2.05	4952.54	0	01:49
M14M10	JUNCTION	0.13	1.21	4956.32	0	01:51
M14M11	JUNCTION	0.11	1.11	4957.16	0	01:50
M14M13	JUNCTION	1.13	5.67	4942.09	0	02:16
M14PL1	JUNCTION	0.00	0.00	4955.67	0	00:00
L14JB3	JUNCTION	4.14	8.43	4947.00	0	02:38
L14K01	JUNCTION	1.21	7.81	4950.64	0	02:04
L14K02	JUNCTION	1.07	8.16	4951.38	0	02:02
L14K03	JUNCTION	0.16	3.38	4953.36	0	01:50
L14K04	JUNCTION	0.27	3.48	4954.29	0	01:50
L14K05	JUNCTION	0.19	2.52	4955.24	0	01:50
L14K06	JUNCTION	0.38	4.73	4957.56	0	01:48
L14IN1	JUNCTION	1.23	4.13	4944.73	0	02:37
M14601	JUNCTION	0.47	3.23	4935.30	0	02:27
M14600	JUNCTION	0.44	3.25	4935.32	0	02:28
M14015	JUNCTION	1.44	8.80	4940.27	0	02:01
M14016	JUNCTION	1.39	8.66	4940.07	0	02:04
M14017	JUNCTION	0.72	4.30	4935.77	0	02:26
M14CH1	JUNCTION	1.54	5.13	4935.33	0	02:28
L14JB3_OrificeNode	JUNCTION	2.67	4.02	4942.59	0	02:10
BH134Route	JUNCTION	0.02	0.34	5024.34	0	01:47
SJH100_1ARoute	JUNCTION	0.02	0.18	5126.18	0	02:01
SJH100_2ARoute	JUNCTION	0.01	0.12	5072.12	0	01:45
SJH100_3ARoute	JUNCTION	0.01	0.15	5130.15	0	01:47
SJH100_4ARoute	JUNCTION	0.01	0.11	5064.11	0	01:45
SJH100_5ARoute	JUNCTION	0.01	0.16	5076.16	0	01:45
SJH102_1ARoute	JUNCTION	0.02	0.25	5096.25	0	01:45
SJH102_2ARoute	JUNCTION	0.01	0.14	5070.14	0	01:45
SJH105_1ARoute	JUNCTION	0.01	0.22	5078.22	0	01:46
SJH105_2ARoute	JUNCTION	0.01	0.10	5056.10	0	01:45
SJH106_1ARoute	JUNCTION	0.03	0.25	5124.25	0	02:01
SJH150_1ARoute	JUNCTION	0.01	0.13	5028.13	0	02:00
SJH100Route	JUNCTION	0.03	0.52	5038.52	0	01:45
SJH102Route	JUNCTION	0.05	0.65	5046.65	0	01:45
SJH105Route	JUNCTION	0.03	0.40	5022.40	0	01:45
SJH106Route	JUNCTION	0.02	0.37	5010.37	0	01:45
SJH150Route	JUNCTION	0.03	0.40	5004.40	0	01:47
SJH152Route	JUNCTION	0.03	0.44	5018.44	0	01:47
SJH153Route	JUNCTION	0.02	0.33	5016.33	0	01:46
SJH200Route	JUNCTION	0.03	0.29	5038.29	0	01:48
SJH202Route	JUNCTION	0.03	0.39	4974.39	0	01:47
SJH700Route	JUNCTION	0.02	0.20	5022.20	0	01:50
SJH109Route	JUNCTION	0.03	0.45	4956.45	0	01:48
SJN710Route	JUNCTION	0.01	0.07	4998.07	0	02:00
SJ8Route	JUNCTION	0.02	0.31	4960.31	0	01:47
SJ955Route	JUNCTION	0.06	0.49	4940.49	0	02:00
SJN10Route	JUNCTION	0.03	0.23	4942.23	0	02:08
SJ7Route	JUNCTION	0.02	0.28	4964.28	0	01:46
SJN6Route	JUNCTION	0.05	0.45	4946.45	0	02:00
SJH701Route	JUNCTION	0.10	0.20	4970.20	0	02:53
SJ5Route	JUNCTION	0.02	0.32	4964.32	0	01:47
SJ4Route	JUNCTION	0.02	0.28	4958.28	0	01:46
SJ3Route	JUNCTION	0.03	0.42	4966.42	0	01:45

SJ2Route	JUNCTION	0.03	0.37	4958.37	0	01:45
SJ1Route	JUNCTION	0.02	0.23	4970.23	0	01:48
Culvert1in	JUNCTION	1.30	4.85	4935.33	0	02:27
Culvert1out	JUNCTION	1.46	5.04	4935.33	0	02:28
Culvert2in	JUNCTION	1.77	5.50	4935.29	0	02:27
Culvert2out	JUNCTION	2.01	5.76	4935.29	0	02:27
RRculvertin	JUNCTION	1.45	4.13	4931.57	0	02:27
RRculvertout	JUNCTION	1.67	4.36	4931.56	0	02:27
OUTLET	OUTFALL	0.91	3.12	4930.12	0	02:27
NorthFlowBasin01	OUTFALL	0.03	0.60	4956.60	0	01:57
S.BroadwayPond	STORAGE	8.41	16.94	4955.28	0	03:00
MechemPond	STORAGE	2.05	9.18	4946.84	0	02:15
KathrynPond	STORAGE	2.48	6.00	4946.60	0	02:36
L14PS1	STORAGE	5.48	21.29	4945.96	0	03:11
SJH-700A_Pond	STORAGE	4.45	4.90	4996.90	0	23:59
SJH-700B_Pond	STORAGE	4.35	4.80	4990.80	0	23:59
SJH-700C_Pond	STORAGE	3.46	3.87	4977.87	0	23:59

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Node Inflow Summary
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Node	Type	Maximum Lateral Inflow CFS	Maximum Total Inflow CFS	Time of Max Occurrence days hr:min	Lateral Inflow Volume 10^6 gal	Total Inflow Volume 10^6 gal
J14993	JUNCTION	0.00	21.26	0 01:43	0.000	0.016
J14994	JUNCTION	0.00	0.00	0 00:00	0.000	0.000
J15903	JUNCTION	0.00	0.00	0 00:00	0.000	0.000
K14071	JUNCTION	0.00	195.52	0 01:56	0.000	3.458
K14072	JUNCTION	0.00	80.75	0 01:47	0.000	1.290
K14073	JUNCTION	0.00	80.67	0 01:47	0.000	1.279
K14074	JUNCTION	0.00	136.26	0 01:57	0.000	2.622
K14075	JUNCTION	0.00	156.90	0 01:54	0.000	2.976
K14076	JUNCTION	0.00	30.51	0 02:02	0.000	0.814
K14077	JUNCTION	0.00	30.50	0 02:02	0.000	0.811
K14081	JUNCTION	0.00	81.57	0 01:47	0.000	1.328
K14082	JUNCTION	0.00	46.44	0 01:41	0.000	0.113
K14083	JUNCTION	0.00	43.78	0 01:42	0.000	0.084
K14084	JUNCTION	0.00	34.86	0 01:42	0.000	0.058
K14085	JUNCTION	0.00	30.50	0 02:01	0.000	0.808
K14091	JUNCTION	0.00	0.00	0 00:00	0.000	0.000
K14171	JUNCTION	0.00	130.58	0 01:52	0.000	2.572
K14172	JUNCTION	0.00	257.11	0 01:50	0.000	5.411
K14173	JUNCTION	0.00	261.71	0 01:49	0.000	4.578
K14174	JUNCTION	0.00	280.32	0 01:45	0.000	4.578
K14181	JUNCTION	0.00	30.50	0 02:01	0.000	0.808
K14182	JUNCTION	0.00	30.50	0 02:01	0.000	0.808
K14183	JUNCTION	0.00	283.41	0 01:45	0.000	4.576
K14191	JUNCTION	0.00	30.50	0 02:01	0.000	0.808
K14271	JUNCTION	0.00	136.64	0 01:49	0.000	3.684
K14281	JUNCTION	0.00	283.43	0 01:45	0.000	4.586
K14291	JUNCTION	0.00	136.32	0 01:46	0.000	2.490
K14361	JUNCTION	0.00	251.97	0 02:26	0.000	3.708
K14362	JUNCTION	0.00	521.11	0 02:25	0.000	3.724
K14371	JUNCTION	0.00	135.42	0 01:49	0.000	3.691
K14372	JUNCTION	0.00	135.46	0 01:49	0.000	3.697
K14373	JUNCTION	0.00	135.44	0 01:49	0.000	3.697
K14451	JUNCTION	0.00	3.40	0 01:57	0.000	0.062
K14461	JUNCTION	0.00	216.26	0 02:26	0.000	7.408
K14462	JUNCTION	0.00	214.63	0 01:45	0.000	3.518
K14463	JUNCTION	0.00	209.11	0 02:10	0.000	7.333
K14471	JUNCTION	0.00	13.22	0 02:03	0.000	0.271
K14481	JUNCTION	0.00	13.22	0 02:03	0.000	0.271
K14482	JUNCTION	0.00	13.22	0 02:02	0.000	0.271
K14483	JUNCTION	0.00	13.23	0 02:01	0.000	0.271
K14551	JUNCTION	0.00	81.92	0 01:48	0.000	1.426
K14563	JUNCTION	0.00	209.09	0 02:09	0.000	7.335
K14591	JUNCTION	0.00	14.29	0 01:56	0.000	0.271

K14592	JUNCTION	0.00	14.63	0	01:55	0.000	0.273
K14661	JUNCTION	0.00	212.52	0	02:09	0.000	8.218
K14662	JUNCTION	0.00	213.28	0	02:09	0.000	8.236
K14671	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
K14672	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
K14681	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
K14761	JUNCTION	0.00	332.02	0	01:47	0.000	10.458
K14762	JUNCTION	0.00	0.98	0	01:45	0.000	0.001
K14771	JUNCTION	0.00	141.46	0	01:46	0.000	2.215
K14772	JUNCTION	0.00	141.11	0	01:46	0.000	2.215
K14781	JUNCTION	0.00	47.26	0	01:47	0.000	0.646
K14782	JUNCTION	0.00	47.20	0	01:47	0.000	0.648
K14783	JUNCTION	0.00	47.12	0	01:47	0.000	0.646
K14791	JUNCTION	0.00	47.02	0	01:46	0.000	0.648
K14792	JUNCTION	0.00	47.06	0	01:47	0.000	0.648
K14862	JUNCTION	0.00	18.69	0	01:47	0.000	0.250
K14863	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
K14864	JUNCTION	0.00	135.23	0	01:46	0.000	3.222
K14871	JUNCTION	0.00	18.72	0	01:46	0.000	0.250
K14872	JUNCTION	0.00	18.75	0	01:46	0.000	0.250
K14873	JUNCTION	0.00	18.74	0	01:46	0.000	0.250
K14874	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
K14875	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
K14881	JUNCTION	0.00	18.90	0	01:45	0.000	0.249
K14882	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
K14891	JUNCTION	0.00	18.94	0	01:45	0.000	0.249
K14892	JUNCTION	0.00	18.93	0	01:45	0.000	0.250
K14941	JUNCTION	0.00	33.71	0	04:49	0.000	12.326
K14942	JUNCTION	0.00	33.83	0	04:44	0.000	12.339
K14943	JUNCTION	0.00	0.75	0	04:00	0.000	0.001
K14951	JUNCTION	0.00	22.00	0	03:02	0.000	1.475
K14952	JUNCTION	0.00	22.23	0	04:12	0.000	1.484
K14953	JUNCTION	0.00	0.31	0	03:05	0.000	0.001
K14961	JUNCTION	0.00	2.07	0	01:48	0.000	0.008
K15001	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
K15002	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
K15003	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
K15111	JUNCTION	50.06	83.85	0	01:45	0.650	1.242
K15121	JUNCTION	0.00	24.08	0	01:47	0.000	0.406
K15201	JUNCTION	0.00	136.20	0	01:46	0.000	2.511
K15211	JUNCTION	0.00	71.42	0	01:44	0.000	1.237
K15212	JUNCTION	0.00	136.54	0	01:45	0.000	2.510
K15213	JUNCTION	0.00	56.82	0	01:50	0.000	1.076
K15214	JUNCTION	0.00	59.65	0	01:45	0.000	1.078
K15311	JUNCTION	0.00	51.83	0	01:45	0.000	0.727
K15401	JUNCTION	0.00	2.30	0	01:48	0.000	0.004
K15501	JUNCTION	0.00	17.51	0	01:47	0.000	0.278
K15502	JUNCTION	0.00	20.42	0	01:45	0.000	0.268
K15601	JUNCTION	0.00	0.19	0	01:38	0.000	0.001
K15602	JUNCTION	0.00	47.03	0	01:46	0.000	0.646
K15604	JUNCTION	0.00	46.92	0	01:46	0.000	0.648
L14018	JUNCTION	0.00	5.26	0	01:45	0.000	0.027
L14041	JUNCTION	0.00	33.82	0	04:44	0.000	12.341
L14042	JUNCTION	0.00	1.44	0	03:16	0.000	0.005
L14051	JUNCTION	0.00	1.56	0	03:16	0.000	0.010
L14052	JUNCTION	0.00	22.67	0	04:11	0.000	1.502
L14053	JUNCTION	0.00	0.66	0	03:03	0.000	0.003
L14054	JUNCTION	0.00	1.00	0	03:01	0.000	0.006
L14055	JUNCTION	0.00	23.05	0	03:36	0.000	1.539
L14061	JUNCTION	0.00	4.46	0	01:46	0.000	0.033
L14071	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14072	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14081	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14141	JUNCTION	0.00	33.82	0	04:44	0.000	12.363
L14142	JUNCTION	0.00	4.16	0	01:48	0.000	0.001
L14143	JUNCTION	0.00	49.52	0	02:55	0.000	13.045
L14151	JUNCTION	0.00	66.27	0	01:45	0.000	2.730
L14152	JUNCTION	0.00	63.43	0	01:49	0.000	3.993
L14161	JUNCTION	0.00	6.98	0	01:44	0.000	0.075
L14171	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14172	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14181	JUNCTION	0.00	0.00	0	00:00	0.000	0.000

L14182	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14191	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14192	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14241	JUNCTION	0.00	5.41	0	01:52	0.000	0.042
L14242	JUNCTION	0.00	2.99	0	01:59	0.000	0.022
L14243	JUNCTION	0.00	12.95	0	01:44	0.000	1.334
L14244	JUNCTION	0.00	11.48	0	02:38	0.000	1.316
L14245	JUNCTION	0.00	12.49	0	01:44	0.000	1.329
L14251	JUNCTION	0.00	11.72	0	01:45	0.000	1.323
L14252	JUNCTION	0.00	11.48	0	02:38	0.000	1.310
L14261	JUNCTION	0.00	71.28	0	03:13	0.000	17.009
L14262	JUNCTION	10.08	88.32	0	01:47	0.251	1.714
L14263	JUNCTION	0.00	98.05	0	01:48	0.000	2.162
L14271	JUNCTION	0.00	8.42	0	01:45	0.000	0.008
L14272	JUNCTION	0.00	0.90	0	01:47	0.000	0.001
L14273	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14274	JUNCTION	0.00	17.46	0	02:00	0.000	0.447
L14275	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14281	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14282	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14291	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14341	JUNCTION	0.00	1.97	0	02:01	0.000	0.009
L14342	JUNCTION	0.00	0.81	0	02:07	0.000	0.002
L14343	JUNCTION	0.00	6.93	0	01:56	0.000	0.095
L14344	JUNCTION	0.00	114.03	0	02:09	0.000	18.125
L14345	JUNCTION	0.00	17.34	0	01:44	0.000	1.342
L14346	JUNCTION	0.00	107.87	0	01:46	0.000	18.018
L14347	JUNCTION	0.00	17.31	0	01:44	0.000	1.353
L14348	JUNCTION	0.00	17.31	0	01:44	0.000	1.359
L14349	JUNCTION	0.00	20.83	0	01:44	0.000	1.367
L14351	JUNCTION	0.00	107.98	0	01:46	0.000	18.018
L14352	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14353	JUNCTION	0.00	107.98	0	01:46	0.000	18.017
L14354	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14355	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14361	JUNCTION	0.00	71.28	0	03:14	0.000	17.008
L14362	JUNCTION	0.00	98.03	0	01:48	0.000	2.162
L14363	JUNCTION	0.00	98.01	0	01:48	0.000	2.161
L14364	JUNCTION	0.00	0.26	0	01:36	0.000	0.001
L14371	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14372	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14373	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14381	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14391	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14392	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14393	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14394	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14441	JUNCTION	0.00	113.20	0	01:48	0.000	18.027
L14442	JUNCTION	0.00	23.30	0	01:44	0.000	1.394
L14443	JUNCTION	0.00	24.71	0	01:43	0.000	1.421
L14444	JUNCTION	0.00	0.48	0	01:37	0.000	0.000
L14445	JUNCTION	0.00	0.66	0	01:36	0.000	0.000
L14451	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14461	JUNCTION	0.00	96.94	0	01:57	0.000	2.152
L14462	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14471	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14472	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14531	JUNCTION	0.00	1.65	0	02:00	0.000	0.005
L14532	JUNCTION	0.00	16.93	0	03:15	0.000	2.534
L14533	JUNCTION	0.00	17.06	0	03:06	0.000	2.528
L14534	JUNCTION	0.00	0.34	0	02:00	0.000	0.001
L14541	JUNCTION	0.00	165.06	0	01:47	0.000	3.519
L14542	JUNCTION	0.00	1.34	0	01:44	0.000	0.005
L14543	JUNCTION	0.00	0.50	0	02:02	0.000	0.001
L14544	JUNCTION	0.00	4.24	0	01:44	0.000	0.027
L14545	JUNCTION	0.00	58.56	0	02:39	0.000	17.282
L14546	JUNCTION	0.00	2.12	0	01:46	0.000	0.006
L14547	JUNCTION	0.00	1.85	0	01:46	0.000	0.003
L14551	JUNCTION	0.00	135.11	0	01:52	0.000	2.871
L14561	JUNCTION	0.00	12.93	0	02:04	0.000	0.029
L14562	JUNCTION	21.13	130.92	0	01:46	0.246	2.543
L14571	JUNCTION	0.00	0.00	0	00:00	0.000	0.000

L14572	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14573	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14574	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14575	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14581	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14582	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14583	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14585	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14591	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14592	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14631	JUNCTION	0.00	17.18	0	03:06	0.000	2.530
L14632	JUNCTION	0.00	0.28	0	02:02	0.000	0.001
L14633	JUNCTION	0.00	17.29	0	03:08	0.000	2.531
L14634	JUNCTION	0.00	17.35	0	03:08	0.000	2.532
L14635	JUNCTION	0.00	17.43	0	03:08	0.000	2.533
L14636	JUNCTION	0.00	17.51	0	03:08	0.000	2.535
L14641	JUNCTION	27.78	27.78	0	01:45	0.495	0.514
L14643	JUNCTION	0.00	58.37	0	02:40	0.000	17.274
L14644	JUNCTION	0.00	23.39	0	01:47	0.000	0.495
L14646	JUNCTION	0.00	1.13	0	01:46	0.000	0.001
L14651	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14652	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14653	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14663	JUNCTION	0.00	71.94	0	01:45	0.000	1.772
L14662	JUNCTION	0.00	0.29	0	01:32	0.000	0.001
L14661	JUNCTION	0.00	63.40	0	02:01	0.000	1.777
L14681	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14691	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14731	JUNCTION	0.00	0.18	0	02:16	0.000	0.001
L14732	JUNCTION	0.00	17.81	0	03:07	0.000	2.533
L14733	JUNCTION	0.00	18.25	0	03:06	0.000	2.533
L14734	JUNCTION	0.00	18.14	0	03:07	0.000	2.537
L14736	JUNCTION	0.00	0.45	0	02:15	0.000	0.003
L14737	JUNCTION	0.00	18.41	0	03:06	0.000	2.534
L14738	JUNCTION	0.00	17.63	0	03:07	0.000	2.535
L14741	JUNCTION	0.00	26.44	0	01:51	0.000	5.596
L14742	JUNCTION	0.00	51.89	0	01:47	0.000	0.993
L14743	JUNCTION	0.00	22.43	0	01:56	0.000	0.501
L14745	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14746	JUNCTION	0.00	47.43	0	01:48	0.000	0.966
L14749	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L1474A	JUNCTION	0.00	22.99	0	01:47	0.000	0.500
L1474B	JUNCTION	0.00	45.72	0	01:48	0.000	0.966
L1474C	JUNCTION	0.00	107.64	0	02:00	0.000	19.137
L14750	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14751	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14752	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14761	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14762	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14763	JUNCTION	0.00	0.38	0	01:37	0.000	0.001
L14764	JUNCTION	0.00	63.39	0	02:01	0.000	1.779
L14765	JUNCTION	0.00	64.27	0	01:55	0.000	1.774
L14766	JUNCTION	0.00	155.14	0	01:47	0.000	3.322
L14771	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14772	JUNCTION	0.00	104.45	0	01:46	0.000	1.548
L14781	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14782	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14783	JUNCTION	0.00	32.85	0	01:45	0.000	0.362
L14784	JUNCTION	0.00	32.96	0	01:45	0.000	0.362
L14791	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14792	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14831	JUNCTION	0.00	18.58	0	03:06	0.000	2.535
L14832	JUNCTION	0.00	0.53	0	02:12	0.000	0.001
L14833	JUNCTION	0.00	18.91	0	03:05	0.000	2.536
L14834	JUNCTION	0.00	19.25	0	03:05	0.000	2.540
L14835	JUNCTION	0.00	0.73	0	02:11	0.000	0.002
L14836	JUNCTION	0.00	19.55	0	03:04	0.000	2.541
L14837	JUNCTION	0.00	26.01	0	01:51	0.000	5.598
L14841	JUNCTION	0.00	26.32	0	01:51	0.000	5.597
L14842	JUNCTION	0.00	26.37	0	01:51	0.000	5.596
L14851	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14852	JUNCTION	0.00	0.00	0	00:00	0.000	0.000

L14862	JUNCTION	0.00	0.52	0	01:34	0.000	0.004
L14864	JUNCTION	0.00	203.90	0	01:47	0.000	4.514
L14881	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14882	JUNCTION	0.00	33.06	0	01:45	0.000	0.361
L14883	JUNCTION	33.14	33.14	0	01:45	0.361	0.361
L14885	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14931	JUNCTION	0.00	20.08	0	03:04	0.000	2.554
L14932	JUNCTION	0.00	2.04	0	02:12	0.000	0.004
L14933	JUNCTION	0.00	20.71	0	03:03	0.000	2.562
L14934	JUNCTION	0.00	25.64	0	01:52	0.000	5.603
L14935	JUNCTION	0.00	25.40	0	01:52	0.000	5.605
L14961	JUNCTION	0.00	203.94	0	01:48	0.000	4.511
L14962	JUNCTION	0.00	204.46	0	01:48	0.000	4.510
L14JB1	JUNCTION	0.00	97.55	0	01:49	0.000	17.019
L14JB2	JUNCTION	0.00	71.31	0	03:11	0.000	17.062
M14003	JUNCTION	0.00	23.83	0	02:03	0.000	6.413
M14021	JUNCTION	0.00	21.05	0	03:04	0.000	2.568
M14022	JUNCTION	0.00	21.38	0	03:04	0.000	2.580
M14031	JUNCTION	0.00	27.81	0	01:50	0.000	6.446
M14032	JUNCTION	0.00	25.14	0	01:55	0.000	6.423
M14034	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
M14035	JUNCTION	0.00	24.28	0	02:02	0.000	6.418
M14061	JUNCTION	0.00	204.18	0	01:48	0.000	4.510
M14121	JUNCTION	0.00	21.64	0	03:03	0.000	2.601
M14122	JUNCTION	0.00	22.85	0	03:00	0.000	2.627
M14131	JUNCTION	0.00	24.19	0	02:02	0.000	6.413
M14132	JUNCTION	0.00	24.04	0	02:03	0.000	6.411
M14161	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
M14221	JUNCTION	0.00	27.25	0	02:59	0.000	2.641
M14222	JUNCTION	0.00	33.10	0	02:18	0.000	3.328
M14223	JUNCTION	0.00	31.90	0	03:06	0.000	3.322
M14224	JUNCTION	0.00	8.47	0	02:18	0.000	0.060
M14232	JUNCTION	0.00	23.54	0	02:03	0.000	6.422
M14233	JUNCTION	0.00	30.23	0	02:59	0.000	3.267
M14241	JUNCTION	0.00	69.19	0	02:01	0.000	5.059
M14242	JUNCTION	0.00	2.38	0	01:56	0.000	0.022
M14243	JUNCTION	0.00	61.68	0	02:28	0.000	11.366
M14251	JUNCTION	0.00	49.56	0	01:46	0.000	1.036
M14252	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
M14253	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
M14254	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
M14261	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
M14263	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
M14264	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
M14271	JUNCTION	0.00	31.32	0	01:50	0.000	0.632
M14281	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
M14282	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
M1431A	JUNCTION	0.00	30.02	0	02:58	0.000	3.266
M1431B	JUNCTION	0.00	131.38	0	02:10	0.000	23.223
M14321	JUNCTION	0.00	30.01	0	02:58	0.000	3.263
M1432A	JUNCTION	0.00	30.01	0	02:58	0.000	3.267
M1432B	JUNCTION	0.00	30.05	0	02:58	0.000	3.266
M14333	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
M14334	JUNCTION	0.00	1.72	0	02:09	0.000	0.007
M1433B	JUNCTION	0.00	25.00	0	01:52	0.000	6.421
M14341	JUNCTION	0.00	67.59	0	02:01	0.000	5.063
M14342	JUNCTION	0.00	317.08	0	02:17	0.000	30.487
M14343	JUNCTION	0.00	0.98	0	02:12	0.000	0.003
M14344	JUNCTION	0.00	1.79	0	02:10	0.000	0.014
M14351	JUNCTION	0.00	316.45	0	02:18	0.000	30.463
M14352	JUNCTION	0.00	2.83	0	02:10	0.000	0.046
M14353	JUNCTION	0.00	2.47	0	02:10	0.000	0.029
M14421	JUNCTION	0.00	4.74	0	02:09	0.000	0.030
M1442A	JUNCTION	0.00	2.35	0	01:47	0.000	0.015
M1442B	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
M14431	JUNCTION	0.00	0.88	0	01:50	0.000	0.003
M14433	JUNCTION	0.00	0.12	0	02:18	0.000	0.000
M14435	JUNCTION	0.00	0.62	0	02:16	0.000	0.002
M14441	JUNCTION	0.00	29.45	0	02:00	0.000	0.745
M14442	JUNCTION	0.00	1.26	0	02:15	0.000	0.009
M14443	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
M14444	JUNCTION	0.00	0.00	0	00:00	0.000	0.000

M14445	JUNCTION	0.00	2.24	0	02:14	0.000	0.024
M14451	JUNCTION	0.00	29.13	0	02:02	0.000	0.732
M14452	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
M14453	JUNCTION	0.00	2.67	0	02:14	0.000	0.041
M14454	JUNCTION	0.00	51.71	0	01:47	0.000	0.917
M14455	JUNCTION	0.00	3.28	0	01:45	0.000	0.031
M14456	JUNCTION	0.00	3.17	0	01:45	0.000	0.023
M14521	JUNCTION	0.00	8.79	0	02:13	0.000	0.282
M14522	JUNCTION	0.00	6.84	0	02:10	0.000	0.068
M14551	JUNCTION	0.00	2.51	0	01:52	0.000	0.007
M14621	JUNCTION	0.00	6.68	0	02:24	0.000	0.247
M14622	JUNCTION	0.00	6.68	0	02:24	0.000	0.268
M14631	JUNCTION	0.00	6.68	0	02:24	0.000	0.301
M14641	JUNCTION	29.04	29.04	0	02:01	0.989	1.266
M14642	JUNCTION	0.00	26.88	0	02:19	0.000	1.216
M14CH3	JUNCTION	21.73	380.42	0	02:24	0.297	35.136
M14FG1	JUNCTION	0.00	321.96	0	02:20	0.000	31.188
M14FG2	JUNCTION	0.00	334.94	0	02:19	0.000	32.084
M14FG3	JUNCTION	0.00	332.28	0	02:20	0.000	32.086
M14IN1	JUNCTION	0.00	13.79	0	01:48	0.000	0.875
M14IN2	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
M14OU1	JUNCTION	0.00	311.00	0	02:19	0.000	30.482
M14OU3	JUNCTION	0.00	332.01	0	02:20	0.000	32.111
M15201	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
K14954	JUNCTION	0.00	43.58	0	02:55	0.000	13.800
K14945	JUNCTION	0.00	33.71	0	04:52	0.000	12.326
K14944	JUNCTION	0.00	33.71	0	04:52	0.000	12.326
K14MH1	JUNCTION	0.00	332.32	0	01:47	0.000	10.438
K14JB1	JUNCTION	0.00	480.76	0	01:47	0.000	13.982
L14GAR	JUNCTION	0.00	3.95	0	01:36	0.000	0.019
K14CRO	JUNCTION	0.00	12.01	0	01:43	0.000	0.082
K14PAC	JUNCTION	0.00	130.97	0	01:49	0.000	3.160
K14MH2	JUNCTION	0.00	130.97	0	01:49	0.000	3.168
K14PL1	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
K14CR1	JUNCTION	0.00	1.03	0	01:45	0.000	0.001
M14M02	JUNCTION	0.00	286.94	0	01:50	0.000	6.211
M14M03	JUNCTION	0.00	287.31	0	01:50	0.000	6.207
M14M04	JUNCTION	0.00	287.37	0	01:50	0.000	6.207
M14M05	JUNCTION	0.00	286.50	0	01:49	0.000	6.207
M14M06	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
M14MY1	JUNCTION	0.00	287.02	0	01:49	0.000	6.223
M14M08	JUNCTION	0.00	85.43	0	01:51	0.000	1.714
M14M09	JUNCTION	0.00	31.31	0	01:51	0.000	0.631
M14M10	JUNCTION	0.00	31.32	0	01:50	0.000	0.632
M14M11	JUNCTION	0.00	31.32	0	01:50	0.000	0.632
M14M13	JUNCTION	0.00	27.81	0	03:23	0.000	4.024
M14PL1	JUNCTION	0.00	0.00	0	00:00	0.000	0.000
L14JB3	JUNCTION	0.00	275.52	0	01:49	0.000	22.617
L14K01	JUNCTION	0.00	158.88	0	01:50	0.000	2.874
L14K02	JUNCTION	0.00	159.32	0	01:50	0.000	2.870
L14K03	JUNCTION	0.00	159.94	0	01:49	0.000	2.871
L14K04	JUNCTION	0.00	153.56	0	01:48	0.000	2.858
L14K05	JUNCTION	0.00	153.53	0	01:48	0.000	2.858
L14K06	JUNCTION	0.00	153.53	0	01:48	0.000	2.901
L14IN1	JUNCTION	0.00	16.89	0	03:20	0.000	2.528
M14601	JUNCTION	0.00	7.28	0	02:00	0.000	0.179
M14600	JUNCTION	0.00	7.22	0	01:58	0.000	0.179
M14015	JUNCTION	0.00	76.41	0	01:48	0.000	1.302
M14016	JUNCTION	0.00	60.13	0	02:00	0.000	1.369
M14017	JUNCTION	0.00	55.11	0	02:04	0.000	1.369
M14CH1	JUNCTION	0.00	357.03	0	02:21	0.000	33.450
L14JB3_OrificeNode	JUNCTION	0.00	60.72	0	02:38	0.000	17.287
BH134Route	JUNCTION	96.20	96.20	0	01:45	1.257	1.257
SJH100_1ARoute	JUNCTION	39.47	39.47	0	01:45	0.809	0.809
SJH100_2ARoute	JUNCTION	14.87	14.87	0	01:45	0.185	0.185
SJH100_3ARoute	JUNCTION	31.79	31.79	0	01:45	0.406	0.406
SJH100_4ARoute	JUNCTION	16.19	16.19	0	01:45	0.199	0.199
SJH100_5ARoute	JUNCTION	33.23	33.23	0	01:45	0.392	0.392
SJH102_1ARoute	JUNCTION	59.15	59.15	0	01:45	0.727	0.727
SJH102_2ARoute	JUNCTION	21.29	21.29	0	01:45	0.273	0.273
SJH105_1ARoute	JUNCTION	49.93	49.93	0	01:45	0.648	0.648
SJH105_2ARoute	JUNCTION	19.89	19.89	0	01:45	0.250	0.250

SJH106_1ARoute	JUNCTION	62.44	62.44	0	01:45	1.541	1.541
SJH150_1ARoute	JUNCTION	21.47	21.47	0	01:45	0.447	0.447
SJH100Route	JUNCTION	163.27	163.27	0	01:45	2.075	2.075
SJH102Route	JUNCTION	235.68	235.68	0	01:45	3.339	3.339
SJH105Route	JUNCTION	109.16	109.16	0	01:45	1.567	1.567
SJH106Route	JUNCTION	114.27	114.27	0	01:45	1.619	1.619
SJH150Route	JUNCTION	104.16	104.16	0	01:45	1.474	1.474
SJH152Route	JUNCTION	141.85	141.85	0	01:45	2.233	2.233
SJH153Route	JUNCTION	86.02	86.02	0	01:45	1.187	1.187
SJH200Route	JUNCTION	77.18	77.18	0	01:45	1.189	1.189
SJH202Route	JUNCTION	58.20	58.20	0	01:46	1.067	1.067
SJH700Route	JUNCTION	38.59	38.59	0	01:45	0.632	0.632
SJH109Route	JUNCTION	88.76	88.76	0	01:46	1.350	1.350
SJN710Route	JUNCTION	9.21	9.21	0	01:45	0.179	0.179
SJ8Route	JUNCTION	61.50	61.50	0	01:45	0.899	0.899
SJ955Route	JUNCTION	38.05	38.05	0	01:45	0.733	0.733
SJN10Route	JUNCTION	11.89	11.89	0	01:46	0.235	0.235
SJ7Route	JUNCTION	57.91	57.91	0	01:45	1.036	1.036
SJN6Route	JUNCTION	40.65	40.65	0	01:45	0.745	0.744
SJH701Route	JUNCTION	55.59	55.59	0	01:46	1.008	1.008
SJ5Route	JUNCTION	61.16	61.16	0	01:45	0.966	0.966
SJ4Route	JUNCTION	44.06	44.06	0	01:45	0.692	0.692
SJ3Route	JUNCTION	71.17	71.17	0	01:45	1.002	1.002
SJ2Route	JUNCTION	71.90	71.90	0	01:45	1.222	1.221
SJ1Route	JUNCTION	87.54	87.54	0	01:46	1.455	1.455
Culvert1in	JUNCTION	0.00	326.32	0	02:20	0.000	32.085
Culvert1out	JUNCTION	0.00	320.09	0	02:22	0.000	32.083
Culvert2in	JUNCTION	0.00	353.82	0	02:23	0.000	33.449
Culvert2out	JUNCTION	0.00	375.94	0	02:23	0.000	34.668
RRculvertin	JUNCTION	118.12	432.77	0	02:24	3.384	38.493
RRculvertout	JUNCTION	0.00	430.54	0	02:27	0.000	38.503
OUTLET	OUTFALL	0.00	430.44	0	02:27	0.000	38.490
NorthFlowBasin01	OUTFALL	0.00	194.15	0	01:57	0.000	3.011
S.BroadwayPond	STORAGE	0.00	480.84	0	01:48	0.000	14.476
MechemPond	STORAGE	0.00	286.89	0	01:50	0.000	6.210
KathrynPond	STORAGE	0.00	227.97	0	01:49	0.000	3.933
L14PS1	STORAGE	0.00	137.48	0	04:45	0.000	17.019
SJH-700A_Pond	STORAGE	19.50	19.50	0	01:45	0.384	0.384
SJH-700B_Pond	STORAGE	44.61	44.61	0	01:45	0.662	0.661
SJH-700C_Pond	STORAGE	20.36	20.36	0	01:46	0.382	0.382

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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
K14073	JUNCTION	0.87	1.853	0.000
K14076	JUNCTION	0.92	6.124	0.000
K14077	JUNCTION	0.85	6.472	0.000
K14082	JUNCTION	0.29	0.920	7.014
K14083	JUNCTION	0.01	0.286	6.330
K14084	JUNCTION	0.01	0.202	6.504
K14361	JUNCTION	0.84	6.168	0.000
K14362	JUNCTION	0.84	6.193	0.000
K14371	JUNCTION	0.83	6.386	1.051
K14372	JUNCTION	0.83	6.317	0.632
K14373	JUNCTION	0.83	6.271	0.444
K14451	JUNCTION	1.40	2.467	0.000
K14463	JUNCTION	0.84	6.300	2.142
K14471	JUNCTION	0.27	0.846	2.230
K14481	JUNCTION	0.20	1.488	3.821
K14563	JUNCTION	0.81	4.930	6.042
K14592	JUNCTION	0.07	0.469	3.272
K14662	JUNCTION	0.39	1.198	10.278
K14941	JUNCTION	16.24	9.245	0.000
K14942	JUNCTION	10.05	5.905	0.410

K14943	JUNCTION	6.07	4.038	0.000
K15401	JUNCTION	0.19	2.318	0.000
K15601	JUNCTION	0.11	0.233	4.585
L14041	JUNCTION	16.01	8.179	0.000
L14042	JUNCTION	0.52	0.974	0.000
L14051	JUNCTION	0.55	1.381	0.000
L14053	JUNCTION	0.04	0.081	3.710
L14054	JUNCTION	0.30	4.187	0.487
L14055	JUNCTION	0.54	1.030	1.691
L14141	JUNCTION	10.93	7.321	1.274
L14142	JUNCTION	10.97	7.344	1.354
L14152	JUNCTION	0.72	0.993	1.795
L14241	JUNCTION	2.07	4.306	2.104
L14242	JUNCTION	1.72	2.992	2.144
L14243	JUNCTION	9.26	3.491	2.005
L14244	JUNCTION	7.47	5.064	0.000
L14245	JUNCTION	8.86	4.478	0.974
L14251	JUNCTION	7.75	5.015	0.000
L14252	JUNCTION	7.05	4.798	0.000
L14263	JUNCTION	0.37	2.062	0.162
L14341	JUNCTION	1.39	2.401	1.571
L14342	JUNCTION	1.16	2.131	1.252
L14343	JUNCTION	4.92	3.049	0.000
L14344	JUNCTION	3.10	1.909	0.000
L14345	JUNCTION	5.98	3.206	1.049
L14346	JUNCTION	3.07	2.410	0.000
L14347	JUNCTION	22.28	8.168	0.619
L14348	JUNCTION	22.28	8.168	0.721
L14349	JUNCTION	7.74	3.408	1.802
L14362	JUNCTION	0.30	0.938	6.036
L14364	JUNCTION	0.60	1.987	6.059
L14441	JUNCTION	3.65	2.070	0.609
L14442	JUNCTION	8.43	3.655	1.830
L14443	JUNCTION	9.23	3.925	1.188
L14444	JUNCTION	17.18	6.076	1.478
L14445	JUNCTION	17.28	5.922	1.408
L14542	JUNCTION	0.03	0.064	4.907
L14544	JUNCTION	0.11	0.205	4.838
L14546	JUNCTION	0.32	0.742	4.335
L14547	JUNCTION	0.33	1.804	3.978
L14551	JUNCTION	3.35	2.522	0.000
L14641	JUNCTION	0.19	0.395	4.149
L14644	JUNCTION	0.20	0.273	3.662
L14646	JUNCTION	0.32	3.596	2.001
L14663	JUNCTION	0.06	0.386	2.602
L14662	JUNCTION	1.20	3.939	1.738
L14661	JUNCTION	0.30	1.299	2.090
L14741	JUNCTION	0.43	0.293	4.197
L14743	JUNCTION	0.22	0.169	4.419
L1474A	JUNCTION	0.20	0.252	4.219
L14763	JUNCTION	0.74	3.062	7.957
L14765	JUNCTION	0.04	0.346	10.961
L14834	JUNCTION	0.12	0.073	3.284
L14835	JUNCTION	0.01	0.035	1.895
L14836	JUNCTION	0.01	0.055	3.981
L14837	JUNCTION	0.50	0.390	4.293
L14841	JUNCTION	0.44	0.255	4.790
L14842	JUNCTION	0.44	0.276	4.531
L14862	JUNCTION	1.04	4.335	12.605
L14931	JUNCTION	0.60	0.223	2.976
L14933	JUNCTION	0.74	0.582	2.574
L14934	JUNCTION	0.51	0.402	4.347
L14935	JUNCTION	0.51	0.423	4.746
L14961	JUNCTION	0.02	0.212	15.749
L14962	JUNCTION	0.04	0.237	15.953
L14JB1	JUNCTION	2.68	5.947	1.336
M14003	JUNCTION	0.33	0.413	1.801
M14021	JUNCTION	0.77	0.594	3.442
M14022	JUNCTION	0.78	1.054	2.764
M14031	JUNCTION	0.44	0.520	5.490
M14032	JUNCTION	0.40	0.480	4.720
M14035	JUNCTION	0.37	0.427	3.793

M14121	JUNCTION	0.81	2.846	0.000
M14122	JUNCTION	0.74	1.750	0.000
M14131	JUNCTION	0.36	0.442	1.535
M14132	JUNCTION	0.34	0.400	1.170
M14221	JUNCTION	0.88	2.004	0.000
M14223	JUNCTION	0.89	1.389	1.062
M14224	JUNCTION	1.04	1.192	0.000
M14232	JUNCTION	0.33	0.413	3.536
M14233	JUNCTION	0.87	1.112	3.153
M1431A	JUNCTION	0.77	1.067	2.136
M14321	JUNCTION	0.89	1.181	1.398
M1432A	JUNCTION	0.88	1.173	1.165
M1432B	JUNCTION	0.72	1.095	1.832
M1433B	JUNCTION	0.39	0.434	4.082
M14455	JUNCTION	0.16	0.603	0.782
M14456	JUNCTION	0.10	0.541	0.557
M14551	JUNCTION	0.19	1.183	0.000
M14621	JUNCTION	0.47	1.973	7.332
M14622	JUNCTION	0.65	1.896	7.042
M14631	JUNCTION	0.84	1.722	5.271
M14641	JUNCTION	1.05	1.978	5.246
M14642	JUNCTION	1.18	1.546	4.883
K14CRO	JUNCTION	0.18	0.743	3.647
K14PAC	JUNCTION	2.07	0.738	4.827
K14MH2	JUNCTION	2.52	0.777	5.938
K14CR1	JUNCTION	0.94	0.972	3.648
M14M02	JUNCTION	0.36	0.422	4.053
M14M13	JUNCTION	4.95	3.665	3.360
L14JB3	JUNCTION	4.69	2.429	1.311
L14K01	JUNCTION	0.84	3.810	0.000
L14K06	JUNCTION	0.27	0.728	1.522
M14600	JUNCTION	0.65	0.747	3.880
L14PS1	STORAGE	2.88	7.290	3.710
SJH-700B_Pond	STORAGE	23.98	4.801	4.199

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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
K14077	0.01	7.66	0 02:29	0.000	8.98
K14361	0.74	251.29	0 02:26	0.473	11.17
K14362	0.69	406.63	0 02:25	0.378	11.20
K14451	1.39	3.40	0 01:57	0.061	3.47
K14941	0.01	0.16	0 04:00	0.000	11.75
K14943	0.01	0.37	0 04:00	0.000	5.54
K15401	0.17	2.06	0 01:48	0.001	3.57
L14041	1.07	4.16	0 03:08	0.041	10.68
L14042	0.35	1.13	0 03:16	0.001	1.98
L14051	0.35	1.27	0 03:22	0.002	2.39
L14244	0.01	2.00	0 01:46	0.000	7.07
L14251	0.01	7.07	0 01:48	0.000	7.03
L14252	0.01	4.79	0 01:46	0.000	6.80
L14343	2.51	6.47	0 01:56	0.054	5.05
L14344	0.01	4.80	0 02:08	0.000	7.91
L14551	0.78	26.95	0 02:29	0.182	6.52
M14121	0.01	2.39	0 02:17	0.000	5.85
M14122	0.07	4.83	0 02:22	0.002	4.75
M14224	0.85	8.47	0 02:18	0.054	3.19
M14551	0.04	1.42	0 01:49	0.000	3.19
L14K01	0.63	36.94	0 01:50	0.168	7.81

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Storage Volume Summary

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Storage Unit	Average Volume 1000 ft3	Avg Pcnt Full	E&I Pcnt Loss	Maximum Volume 1000 ft3	Max Pcnt Full	Time of Max Occurrence days hr:min	Maximum Outflow CFS
S.BroadwayPond	491.308	38	0	1222.614	94	0 03:00	72.42
MechemPond	56.537	18	0	304.377	95	0 02:15	173.39
KathrynPond	111.220	28	0	329.276	84	0 02:36	42.61
L14PS1	0.748	12	0	4.497	73	0 03:11	92.46
SJH-700A_Pond	45.778	13	0	51.363	14	0 23:59	0.00
SJH-700B_Pond	79.212	33	0	88.423	37	0 23:59	0.00
SJH-700C_Pond	45.348	29	0	51.105	32	0 23:59	0.00

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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
OUTLET	93.72	80.68	430.44	38.490
NorthFlowBasin01	6.22	129.88	194.15	3.011
System	49.97	210.56	533.12	41.502

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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	Max/ Full Depth
J14994-J14993	CONDUIT	0.00	0 00:00	0.00	0.00	0.50
J14993-K14084	CONDUIT	21.26	0 01:43	2.79	0.27	0.84
J15903-J14994	CONDUIT	0.00	0 00:00	0.00	0.00	0.00
K14091-J14994	CONDUIT	0.00	0 00:00	0.00	0.00	0.00
K14084-K14083	CONDUIT	34.86	0 01:42	5.94	0.38	1.00
K14083-K14082	CONDUIT	43.78	0 01:42	4.61	0.57	1.00
K14082-K14081	CONDUIT	46.44	0 01:41	4.25	0.62	1.00
K14081-K14073	CONDUIT	80.67	0 01:47	6.42	1.06	1.00
K14073-K14072	CONDUIT	80.75	0 01:47	6.60	0.42	1.00
K14072-K14071	CONDUIT	58.91	0 01:47	4.86	0.36	1.00
K14071-K14074	CONDUIT	108.83	0 01:57	8.66	1.05	1.00
K14074-K14075	CONDUIT	96.03	0 01:56	7.64	1.89	1.00
K14191-K14182	CONDUIT	30.50	0 02:01	13.51	0.77	0.68
K14182-K14181	CONDUIT	30.50	0 02:01	13.78	0.76	0.66
K14181-K14085	CONDUIT	30.50	0 02:01	12.37	0.43	0.53
K14085-K14077	CONDUIT	30.50	0 02:02	9.16	0.50	0.80
K14077-K14076	CONDUIT	30.51	0 02:02	9.49	0.50	1.00
K14076-K14075	CONDUIT	30.50	0 02:02	6.21	0.40	1.00
K14075-K14171	CONDUIT	89.52	0 01:47	7.12	1.61	1.00
K14171-K14172	CONDUIT	124.75	0 01:51	9.93	2.26	1.00
K14172-K14271	CONDUIT	131.96	0 01:45	6.72	1.33	1.00
K14271-K14371	CONDUIT	135.42	0 01:49	6.90	1.25	1.00
K14371-K14372	CONDUIT	135.46	0 01:49	6.90	1.27	1.00
K14372-K14373	CONDUIT	135.44	0 01:49	6.90	1.34	1.00
K14373-K14361	CONDUIT	135.42	0 01:49	6.90	1.46	1.00
K14361-K14362	CONDUIT	521.11	0 02:25	26.54	4.47	1.00
K14362-K14461	CONDUIT	178.71	0 02:26	9.10	1.53	1.00
K14291-K14281	CONDUIT	136.07	0 01:46	13.03	0.50	0.69
K14281-K14183	CONDUIT	283.41	0 01:45	19.61	1.01	0.94
K14183-K14174	CONDUIT	280.32	0 01:45	18.35	1.04	1.00
K14174-K14173	CONDUIT	253.12	0 01:45	17.83	0.90	1.00
K14173-K14172	CONDUIT	252.57	0 01:45	17.88	0.92	1.00

K14592-K14591	CONDUIT	14.29	0	01:56	11.65	1.56	1.00
K14591-K14483	CONDUIT	13.23	0	02:01	10.78	1.45	1.00
K14483-K14482	CONDUIT	13.22	0	02:02	8.55	0.99	0.82
K14482-K14481	CONDUIT	13.22	0	02:03	8.16	0.99	1.00
K14481-K14471	CONDUIT	13.22	0	02:03	8.03	1.06	1.00
K14471-K14462	CONDUIT	13.22	0	02:03	7.48	1.00	1.00
K14462-K14461	CONDUIT	31.89	0	01:41	18.04	2.26	1.00
K14451-K14461	CONDUIT	3.89	0	02:34	5.07	1.70	1.00
K14951-K14952	CONDUIT	22.22	0	04:12	7.07	1.55	1.00
K14952-L14052	CONDUIT	22.67	0	04:11	7.25	1.61	1.00
L14052-L14055	CONDUIT	22.96	0	04:06	6.00	0.76	1.00
K14681-K14672	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
K14672-K14671	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
K14671-K14661	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
K14792-K14783	CONDUIT	47.12	0	01:47	11.68	0.27	0.36
K14783-K14782	CONDUIT	47.20	0	01:47	11.79	0.27	0.36
K14782-K14781	CONDUIT	47.26	0	01:47	11.69	0.27	0.36
K14781-K14772	CONDUIT	47.34	0	01:47	11.80	0.27	0.36
K14772-K14771	CONDUIT	141.46	0	01:46	15.47	0.80	0.68
K14771-K14761	CONDUIT	141.94	0	01:47	15.70	0.79	0.68
K14882-K14875	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
K14875-K14874	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
K14874-K14864	CONDUIT	0.00	0	00:00	0.00	0.00	0.49
K14461-K14463	CONDUIT	209.11	0	02:10	10.65	1.89	1.00
K14463-K14563	CONDUIT	209.09	0	02:09	10.65	1.84	1.00
K14563-K14661	CONDUIT	209.08	0	02:09	10.65	1.80	1.00
K14661-K14662	CONDUIT	213.28	0	02:09	10.86	1.84	1.00
K14662-K14761	CONDUIT	214.16	0	02:07	7.69	1.13	1.00
K14761-K14MH1	CONDUIT	332.32	0	01:47	11.82	1.41	0.98
K14961-L14061	CONDUIT	2.07	0	01:48	0.94	0.01	0.21
K14892-K14891	CONDUIT	18.94	0	01:45	11.94	0.27	0.36
K14891-K14881	CONDUIT	18.90	0	01:45	11.64	0.27	0.37
K14881-K14873	CONDUIT	18.74	0	01:46	11.16	0.30	0.37
K14873-K14872	CONDUIT	18.75	0	01:46	9.36	0.37	0.43
K14872-K14871	CONDUIT	18.72	0	01:46	9.45	0.37	0.42
K14871-K14862	CONDUIT	18.69	0	01:47	9.91	0.35	0.41
K14862-K14JB1	CONDUIT	18.69	0	01:47	10.74	0.44	0.54
K14941-K14942	CONDUIT	33.71	0	04:49	6.87	2.05	1.00
K14943-K14942	CONDUIT	0.75	0	04:00	0.48	0.03	1.00
K14942-L14041	CONDUIT	33.82	0	04:44	6.89	2.49	1.00
K14551-K14661	CONDUIT	3.47	0	02:21	4.67	2.30	0.96
K14762-K14761	CONDUIT	0.98	0	01:45	1.43	0.82	1.00
K14953-L14053	CONDUIT	0.31	0	03:05	0.84	0.25	0.89
L14053-L14054	CONDUIT	0.66	0	03:03	1.26	0.61	1.00
K14863-K14961	CONDUIT	0.00	0	00:00	0.00	0.00	0.12
K15003-K15001	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
K15002-K15001	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
K15001-J15903	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
K15121-K15111	CONDUIT	27.13	0	01:48	5.53	0.72	1.00
K15111-K15211	CONDUIT	65.92	0	01:43	13.43	1.74	1.00
K15211-K15212	CONDUIT	69.63	0	01:45	14.18	1.84	1.00
K15311-K15214	CONDUIT	40.50	0	02:01	8.25	2.85	1.00
K15214-K15213	CONDUIT	56.34	0	02:01	11.48	1.25	1.00
K15213-K15212	CONDUIT	57.06	0	01:50	11.63	1.27	1.00
K15212-K15201	CONDUIT	136.20	0	01:46	19.27	1.44	1.00
K15201-K14291	CONDUIT	136.32	0	01:46	17.03	0.50	0.50
K15502-K15501	CONDUIT	14.93	0	01:48	12.17	1.63	1.00
K15401-K15501	CONDUIT	2.58	0	01:47	2.11	0.40	1.00
K15501-K14592	CONDUIT	14.63	0	01:55	11.92	1.60	1.00
K15604-K15602	CONDUIT	47.00	0	01:46	12.14	0.25	0.35
K15601-K15602	CONDUIT	0.19	0	01:38	0.46	0.46	1.00
K15602-K14791	CONDUIT	47.02	0	01:46	12.06	0.26	0.35
K14791-K14792	CONDUIT	47.06	0	01:47	11.59	0.27	0.36
L14041-L14141	CONDUIT	33.82	0	04:44	6.89	2.47	1.00
L14054-L14055	CONDUIT	1.00	0	03:01	1.50	0.81	1.00
L14055-L14151	CONDUIT	23.66	0	04:06	4.49	0.66	1.00
L14151-L14152	CONDUIT	59.90	0	01:48	8.83	1.63	1.00
L14152-L14JB1	CONDUIT	65.14	0	01:49	8.43	0.62	1.00
L14142-L14141	CONDUIT	4.16	0	01:48	2.36	3.92	1.00
L14141-L14143	CONDUIT	33.83	0	04:44	7.29	2.39	1.00
L14143-L14JB1	CONDUIT	48.32	0	02:57	9.07	0.35	1.00
L14342-L14341	CONDUIT	0.81	0	02:07	0.77	0.05	1.00

L14341-L14242	CONDUIT	1.97	0	02:01	0.97	0.14	1.00
L14242-L14241	CONDUIT	2.99	0	01:59	1.05	0.19	1.00
L14241-L14143	CONDUIT	5.41	0	01:52	1.52	0.15	1.00
L14152-L14252	CONDUIT	11.48	0	02:38	4.46	0.55	1.00
L14252-L14244	CONDUIT	11.48	0	02:38	3.66	1.48	1.00
L14244-L14251	CONDUIT	11.48	0	02:38	4.11	1.50	1.00
L14251-L14245	CONDUIT	11.72	0	01:45	4.07	1.26	1.00
L14245-L14243	CONDUIT	12.49	0	01:44	4.03	1.57	1.00
L14243-L14345	CONDUIT	12.95	0	01:44	4.13	2.11	1.00
L14345-L14347	CONDUIT	17.34	0	01:44	2.63	0.16	1.00
L14347-L14348	CONDUIT	17.31	0	01:44	2.70	3.67	1.00
L14348-L14349	CONDUIT	17.31	0	01:44	5.00	0.18	1.00
L14349-L14442	CONDUIT	20.83	0	01:44	3.92	1.08	1.00
L14442-L14443	CONDUIT	23.30	0	01:44	3.45	1.24	1.00
L14443-L14JB3	CONDUIT	24.71	0	01:43	3.50	0.78	1.00
L14042-L14051	CONDUIT	1.44	0	03:16	1.84	1.19	1.00
L14051-L14055	CONDUIT	1.56	0	03:16	1.99	1.25	1.00
L14192-L14191	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14191-L14181	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14181-L14171	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14182-L14172	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14171-L14172	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14172-L14273	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14372-L14275	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14291-L14282	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14282-L14275	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14275-L14274	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14274-L14263	CONDUIT	19.77	0	02:00	4.89	0.47	0.89
L14281-L14273	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14273-L14272	CONDUIT	0.00	0	00:00	0.00	0.00	0.06
L14272-L14271	CONDUIT	1.07	0	01:47	0.56	0.02	0.50
L14271-L14262	CONDUIT	8.42	0	01:45	1.59	0.11	0.84
L14262-L14263	CONDUIT	83.20	0	01:47	11.77	1.83	1.00
L14451-L14352	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14352-L14355	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14355-L14354	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14354-L14351	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14392-L14393	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14391-L14393	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14393-L14394	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14394-L14381	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14381-L14373	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14373-L14371	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14371-L14363	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14472-L14471	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14471-L14461	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14591-L14592	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14592-L14581	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14581-L14582	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14582-L14571	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14571-L14562	CONDUIT	0.00	0	00:00	0.00	0.00	0.50
L14081-L14072	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14072-L14071	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14071-L14GAR	CONDUIT	0.00	0	00:00	0.00	0.00	0.12
L14061-L14161	CONDUIT	4.46	0	01:46	1.21	0.03	0.30
L14161-L14JB2	CONDUIT	6.98	0	01:44	1.09	0.03	0.44
L14JB2-L14261	CONDUIT	71.28	0	03:13	5.15	0.98	0.49
L14261-L14361	CONDUIT	71.28	0	03:14	5.75	0.41	0.45
L14361-L14351	CONDUIT	71.28	0	03:15	6.46	0.51	0.41
L14351-L14353	CONDUIT	107.98	0	01:46	15.23	0.10	0.40
L14353-L14346	CONDUIT	107.87	0	01:46	6.64	0.30	0.80
L14346-L14344	CONDUIT	114.03	0	02:09	4.78	1.40	1.00
L14343-L14344	CONDUIT	6.93	0	01:56	2.21	0.38	1.00
L14344-L14441	CONDUIT	113.20	0	01:48	4.85	0.84	1.00
L14441-L14JB3	CONDUIT	113.61	0	01:49	4.49	0.50	1.00
L14364-L14363	CONDUIT	0.26	0	01:36	0.17	0.31	1.00
L14263-L14362	CONDUIT	98.03	0	01:48	7.80	1.97	1.00
L14362-L14363	CONDUIT	98.01	0	01:48	8.29	1.97	0.99
L14363-L14461	CONDUIT	96.94	0	01:57	8.96	0.92	1.00
L14461-L14K06	CONDUIT	99.14	0	02:01	8.00	0.94	1.00
L14562-L14663	CONDUIT	71.94	0	01:45	4.36	0.88	0.99
L14462-L14461	CONDUIT	0.00	0	00:00	0.00	0.00	0.00

L14561-L14562	CONDUIT	17.07	0	02:03	5.43	19.97	1.00
L14444-L14442	CONDUIT	0.48	0	01:37	1.25	3.65	1.00
L14445-L14443	CONDUIT	0.66	0	01:36	1.41	5.90	1.00
L14542-L14544	CONDUIT	1.34	0	01:44	1.10	0.07	1.00
L14544-L14641	CONDUIT	4.24	0	01:44	1.60	0.23	1.00
L14641-L14644	CONDUIT	23.39	0	01:47	3.86	1.23	1.00
L14644-L1474A	CONDUIT	22.99	0	01:47	3.95	1.18	1.00
L1474A-L14743	CONDUIT	22.43	0	01:56	4.04	1.16	1.00
L14743-L1474C	CONDUIT	22.56	0	01:55	3.67	0.62	1.00
L1474C-L14741	CONDUIT	26.44	0	01:51	3.78	4.34	1.00
L14741-L14842	CONDUIT	26.37	0	01:51	3.85	1.27	1.00
L14842-L14841	CONDUIT	26.32	0	01:51	3.87	1.37	1.00
L14841-L14837	CONDUIT	26.01	0	01:51	3.91	1.37	1.00
L14837-L14934	CONDUIT	25.64	0	01:52	4.08	1.34	1.00
L14934-L14935	CONDUIT	25.40	0	01:52	4.26	1.34	1.00
L14935-M14031	CONDUIT	24.69	0	01:53	4.80	1.27	1.00
M14IN1-M14031	CONDUIT	13.37	0	01:48	9.63	0.31	1.00
M14031-M14032	CONDUIT	25.14	0	01:55	4.90	1.33	1.00
L14681-L14585	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14585-L14583	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14583-L14575	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14575-L14572	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14572-L14574	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14574-L14573	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14573-L14571	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14691-L14791	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14791-L14782	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14782-L14781	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14781-L14771	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14771-L14764	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14883-L14882	CONDUIT	33.06	0	01:45	9.32	0.23	0.33
L14882-L14784	CONDUIT	32.96	0	01:45	11.57	0.24	0.34
L14885-L14881	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14881-L14783	CONDUIT	0.00	0	00:00	0.00	0.00	0.11
L14792-L14784	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14784-L14783	CONDUIT	32.85	0	01:45	9.80	0.31	0.38
L14783-L14772	CONDUIT	32.76	0	01:45	7.92	0.23	0.48
L14772-L14766	CONDUIT	104.43	0	01:46	16.33	0.72	0.63
L14651-L14652	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14652-L14653	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14653-L14751	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14751-L14752	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14752-L14745	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14750-L14745	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14745-L14749	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14749-L14742	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14531-L14532	CONDUIT	1.65	0	02:00	0.84	0.07	0.70
L14532_OrifaceNode-L14533	CONDUIT	17.04	0	03:06	3.33	0.81	0.76
L14533-L14631	CONDUIT	17.17	0	03:06	3.31	0.82	0.78
L14631-L14633	CONDUIT	17.29	0	03:08	3.31	0.80	0.80
L14633-L14634	CONDUIT	17.35	0	03:08	3.32	0.82	0.81
L14634-L14635	CONDUIT	17.43	0	03:08	3.33	0.82	0.82
L14635-L14636	CONDUIT	17.51	0	03:08	3.37	0.88	0.83
L14636-L14738	CONDUIT	17.60	0	03:07	3.41	0.84	0.84
L14738-L14732	CONDUIT	17.81	0	03:07	3.31	0.73	0.87
L14732-L14734	CONDUIT	17.99	0	03:07	3.21	0.95	0.91
L14734-L14733	CONDUIT	18.25	0	03:06	3.23	0.87	0.92
L14733-L14737	CONDUIT	18.41	0	03:06	3.24	0.87	0.94
L14737-L14831	CONDUIT	18.52	0	03:06	3.24	0.86	0.96
L14831-L14833	CONDUIT	18.91	0	03:05	3.25	0.90	0.98
L14833-L14834	CONDUIT	19.17	0	03:05	3.25	0.92	1.00
L14834-L14836	CONDUIT	19.55	0	03:04	3.31	2.01	1.00
L14836-L14931	CONDUIT	19.86	0	03:04	3.33	0.87	1.00
L14931-L14933	CONDUIT	20.71	0	03:03	3.31	1.00	1.00
L14933-M14021	CONDUIT	21.05	0	03:04	3.34	0.98	1.00
L14543-L14532	CONDUIT	0.50	0	02:02	0.38	0.03	0.78
L14534-L14533	CONDUIT	0.34	0	02:00	0.54	0.02	0.86
L14632-L14631	CONDUIT	0.28	0	02:02	0.48	0.02	0.79
L14731-L14738	CONDUIT	0.18	0	02:16	0.32	0.01	0.89
L14736-L14734	CONDUIT	0.45	0	02:15	1.03	0.37	0.94
L14832-L14831	CONDUIT	0.53	0	02:12	0.36	0.02	0.95
L14835-L14834	CONDUIT	0.73	0	02:11	0.43	0.04	1.00

L14932-L14931	CONDUIT	2.04	0	02:12	0.74	0.12	0.98
L14545-L14643	CONDUIT	58.37	0	02:40	4.48	0.78	0.51
L14643-L1474C	CONDUIT	58.58	0	02:29	5.35	0.37	0.53
L14852-L14851	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14851-L14761	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14762-L14761	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
L14761-L14018	CONDUIT	0.00	0	00:00	0.00	0.00	0.26
L14018-L14742	CONDUIT	5.26	0	01:45	1.07	0.04	0.55
L14742-L14746	CONDUIT	47.43	0	01:48	4.10	0.37	0.61
L14746-L1474B	CONDUIT	45.72	0	01:48	3.88	1.63	0.63
L1474B-L1474C	CONDUIT	44.66	0	01:48	3.91	0.69	0.62
L14662-L14661	CONDUIT	0.29	0	01:32	0.28	0.27	1.00
L14646-L14547	CONDUIT	1.13	0	01:46	1.74	6.19	1.00
L14547-L14546	CONDUIT	1.85	0	01:46	2.07	5.87	1.00
L14546-L14544	CONDUIT	2.12	0	01:46	1.87	0.40	1.00
L14763-L14764	CONDUIT	0.38	0	01:37	0.22	0.20	1.00
L14862-L14864	CONDUIT	0.52	0	01:34	0.38	0.27	1.00
L14663-L14661	CONDUIT	63.40	0	02:01	5.04	4.19	1.00
L14661-L14764	CONDUIT	63.39	0	02:01	5.12	1.36	1.00
L14764-L14765	CONDUIT	64.27	0	01:55	4.97	0.64	1.00
L14765-L14766_OrifaceNode	CONDUIT	64.80	0	01:56	5.69	0.62	1.00
L14766-L14864	CONDUIT	149.40	0	01:47	5.37	0.79	1.00
L14864-L14962	CONDUIT	204.46	0	01:48	7.23	1.08	1.00
L14962-L14961	CONDUIT	203.94	0	01:48	7.21	1.01	1.00
L14961-M14061	CONDUIT	204.18	0	01:48	8.00	1.99	0.85
M14IN2-M14034	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
M14034-M1433B	CONDUIT	0.00	0	00:00	0.00	0.00	0.50
M14032-M1433B	CONDUIT	25.00	0	01:52	5.07	1.30	1.00
M1433B-M14035	CONDUIT	24.28	0	02:02	4.95	1.30	1.00
M14035-M14131	CONDUIT	24.19	0	02:02	4.37	1.26	1.00
M14131-M14132	CONDUIT	24.04	0	02:03	3.91	1.27	1.00
M14132-M14003	CONDUIT	23.83	0	02:03	4.37	1.23	1.00
M14003-M14232	CONDUIT	23.54	0	02:03	5.39	1.24	1.00
M14232-M1431B	CONDUIT	23.46	0	01:55	4.84	0.49	1.00
M1431B-M14243	CONDUIT	61.68	0	02:28	4.19	0.37	0.74
M14243-M14342	CONDUIT	62.94	0	02:29	3.74	0.38	0.79
M14342-M14351	CONDUIT	316.45	0	02:18	7.51	0.91	0.70
M14351-M14OU1	CONDUIT	311.00	0	02:19	1.64	0.06	0.40
M1431B-M14342	CONDUIT	64.39	0	02:33	4.08	0.38	0.77
M14061-M14MY1	CONDUIT	202.39	0	01:49	8.70	0.72	0.77
M14161-M14261	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
M14261-M14252	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
M14252-M14251	CONDUIT	0.00	0	00:00	0.00	0.00	0.27
M14251-M14241	CONDUIT	48.47	0	01:47	3.89	0.35	0.69
M14241-M14341	CONDUIT	67.59	0	02:01	4.79	0.77	0.79
M14341-M14342	CONDUIT	67.05	0	02:01	6.18	0.22	0.81
M14021-M14022	CONDUIT	21.38	0	03:04	3.36	1.01	1.00
M14022-M14121	CONDUIT	21.64	0	03:03	3.41	1.03	1.00
M14121-M14122	CONDUIT	22.85	0	03:00	3.56	1.08	1.00
M14122-M14221	CONDUIT	27.25	0	02:59	3.86	1.05	1.00
M14221-M14222	CONDUIT	27.15	0	02:59	3.85	0.91	1.00
M14222-M14223	CONDUIT	31.35	0	03:00	4.44	1.17	1.00
M14223-M14321	CONDUIT	30.01	0	02:58	4.25	1.27	1.00
M14321-M1432A	CONDUIT	30.01	0	02:58	4.25	1.27	1.00
M1432A-M14233	CONDUIT	30.23	0	02:59	4.29	1.46	1.00
M14233-M1431A	CONDUIT	30.02	0	02:58	4.26	1.42	1.00
M1431A-M1432B	CONDUIT	30.05	0	02:58	4.33	1.21	1.00
M1432B-M1431B	CONDUIT	30.10	0	02:58	4.39	0.43	1.00
M15201-M14282	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
M14282-M14281	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
M14281-M14271	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
M14271-M14M11	CONDUIT	31.32	0	01:50	12.16	0.13	0.26
M14PL1-M14263	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
M14263-M14264	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
M14264-M14253	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
M14253-M14254	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
M14254-M14242	CONDUIT	0.00	0	00:00	0.00	0.00	0.35
M14242-M14342	CONDUIT	2.38	0	01:56	0.38	0.01	0.93
M14333-M14343	CONDUIT	0.00	0	00:00	0.00	0.00	0.22
M14343-M14344	CONDUIT	0.98	0	02:12	0.71	0.04	0.51
M14344-M14353	CONDUIT	1.79	0	02:10	0.66	0.08	0.82
M14353-M14352	CONDUIT	2.47	0	02:10	0.95	0.04	0.73

M14352-M14OU2	CONDUIT	2.83	0	02:10	0.76	0.03	0.84
M14431-M1442A	CONDUIT	0.88	0	01:50	0.69	0.05	0.51
M1442A-M14441	CONDUIT	2.35	0	01:47	1.04	0.13	0.76
M14441-M14451	CONDUIT	29.13	0	02:02	5.64	0.91	0.85
M14451-M14FG1	CONDUIT	29.13	0	02:02	6.57	5.69	0.96
M1442B-M14443	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
M14443-M14444	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
M14444-M14452	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
M14452-M14FG3	CONDUIT	0.00	0	00:00	0.00	0.00	0.43
M14433-M14435	CONDUIT	0.12	0	02:18	0.51	0.01	0.26
M14435-M14442	CONDUIT	0.62	0	02:16	0.53	0.03	0.42
M14442-M14445	CONDUIT	1.26	0	02:15	0.79	0.06	0.71
M14445-M14453	CONDUIT	2.24	0	02:14	0.61	0.06	0.83
M14453-M14OU3	CONDUIT	2.67	0	02:14	1.19	0.05	0.98
M14551-M14456	CONDUIT	2.61	0	01:59	0.83	0.21	1.00
M14456-M14455	CONDUIT	3.17	0	01:45	0.74	0.09	1.00
M14455-M14454	CONDUIT	3.28	0	01:45	0.73	0.08	1.00
M14454-M14FG2	CONDUIT	50.24	0	01:47	7.60	1.08	0.91
M14224-M14223	CONDUIT	8.47	0	02:18	2.70	0.66	1.00
M14334-M14421	CONDUIT	1.72	0	02:09	1.01	0.08	0.80
M14421-M14522	CONDUIT	4.74	0	02:09	1.49	0.22	0.91
M14522-M14521	CONDUIT	6.84	0	02:10	1.57	0.32	0.99
M14521-M14621	CONDUIT	6.68	0	02:24	1.55	0.32	1.00
M14621-M14622	CONDUIT	6.68	0	02:24	1.07	0.30	1.00
M14622-M14631	CONDUIT	6.68	0	02:24	1.45	0.32	1.00
M14631-M14641	CONDUIT	6.68	0	02:24	1.49	0.32	1.00
M14641-M14642	CONDUIT	26.88	0	02:19	4.80	1.27	1.00
M14642-M14CH2	CONDUIT	26.88	0	02:19	6.11	0.60	1.00
K14954-K14945	CONDUIT	33.71	0	04:52	6.87	2.73	1.00
K14945-K14944	CONDUIT	33.71	0	04:52	6.87	2.63	1.00
K14944-K14941	CONDUIT	33.71	0	04:49	6.87	2.67	1.00
K14MH1-K14JB1	CONDUIT	332.32	0	01:47	12.14	0.53	0.81
L14GAR-K14CRO	CONDUIT	3.95	0	01:36	1.60	0.11	1.00
K14CRO-K14864	CONDUIT	11.93	0	01:43	1.68	0.17	1.00
K14864-K14PAC	CONDUIT	130.97	0	01:49	8.23	2.03	1.00
K14PAC-K14MH2	CONDUIT	130.97	0	01:49	8.24	1.80	1.00
K14MH2-K14JB1	CONDUIT	130.93	0	01:49	9.69	0.70	1.00
K14PL1-K14863	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
K14CR1-K14CRO	CONDUIT	1.03	0	01:45	1.12	0.07	1.00
M14M11-M14M10	CONDUIT	31.32	0	01:50	10.41	0.15	0.29
M14M10-M14M09	CONDUIT	31.31	0	01:51	8.63	0.20	0.40
M14M09-M14M08	CONDUIT	33.86	0	01:51	4.04	0.25	0.76
M14M08-M14MY1	CONDUIT	111.53	0	01:45	9.15	0.41	1.00
M14MY1-M14M05	CONDUIT	286.50	0	01:49	10.30	0.72	0.78
M14M06-M14M05	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
M14M05-M14M04	CONDUIT	287.37	0	01:50	10.92	1.11	0.74
M14M04-M14M03	CONDUIT	287.31	0	01:50	13.02	0.60	0.74
M14M03-M14M02	CONDUIT	286.94	0	01:50	10.76	0.66	0.91
M14M02-MechemPond	CONDUIT	286.89	0	01:50	12.28	0.62	1.00
M14M13-M14241	CONDUIT	27.81	0	03:23	8.85	1.56	1.00
L14K06-L14K05	CONDUIT	153.53	0	01:48	14.11	2.97	0.81
L14K05-L14K04	CONDUIT	153.56	0	01:48	16.25	0.50	0.75
L14K04-L14K03	CONDUIT	153.51	0	01:49	18.39	1.02	0.86
L14K03-L14K02	CONDUIT	159.32	0	01:50	15.69	0.82	1.00
L14K02-L14K01	CONDUIT	158.88	0	01:50	12.64	1.53	1.00
L14K01-L14551	CONDUIT	135.11	0	01:52	10.75	1.81	1.00
L14551-L14541	CONDUIT	126.81	0	01:51	10.25	1.83	1.00
L14541-L14JB3	CONDUIT	164.82	0	01:47	14.65	0.65	1.00
L14IN1-L14532	CONDUIT	16.90	0	03:21	9.56	4.20	1.00
L14JB3_OrificeNode-L14545	CONDUIT	58.56	0	02:39	3.37	0.32	0.60
M14015-M14016	CONDUIT	49.53	0	01:45	10.09	2.78	1.00
M14016-M14017	CONDUIT	43.36	0	01:55	8.83	3.17	1.00
M14017-M14CH1	CONDUIT	54.67	0	02:03	11.23	29.50	1.00
M14601-M14600	CONDUIT	7.22	0	01:58	2.53	12.39	1.00
M14600-M14CH3	CONDUIT	7.08	0	01:57	3.80	5.03	1.00
K14JB1-S.BroadwayPond	CONDUIT	480.84	0	01:48	11.69	1.05	1.00
L14JB3-KathrynPond	CONDUIT	227.97	0	01:49	10.89	0.59	1.00
L14JB1-L14PS1	CONDUIT	137.48	0	04:45	15.69	0.30	1.00
M14OU1-M14FG1	CONDUIT	304.50	0	02:20	5.16	0.09	0.40
M14FG1-M14FG2	CONDUIT	318.55	0	02:20	4.77	0.11	0.44
M14FG3-M14OU3	CONDUIT	332.01	0	02:20	5.14	0.13	0.47
M14OU3-M14CH1	CONDUIT	326.32	0	02:20	4.75	0.12	0.50

M14CH1-M14CH2	CONDUIT	353.82	0	02:23	4.76	0.15	0.59
M14CH2-M14CH3	CONDUIT	374.46	0	02:25	3.07	0.14	0.64
M14CH3-OUTLET	CONDUIT	430.44	0	02:27	6.59	0.42	0.42
BH-134-street	CONDUIT	77.92	0	01:47	6.32	0.17	0.34
SJH-100_1A-Steet	CONDUIT	30.50	0	02:01	4.86	0.06	0.18
SJH-100_2A_Street	CONDUIT	12.53	0	01:45	3.10	0.03	0.12
SJH-100_3A-Steet	CONDUIT	24.08	0	01:47	4.74	0.04	0.15
SJH-100_4A-Street	CONDUIT	15.60	0	01:45	4.25	0.03	0.11
SJH-100_5A-Street	CONDUIT	32.18	0	01:45	5.76	0.05	0.20
SJH-102_1A-Street	CONDUIT	51.83	0	01:45	6.06	0.10	0.25
SJH-102_2A-Street	CONDUIT	20.42	0	01:45	4.19	0.04	0.17
SJH-105_1A-Street	CONDUIT	46.92	0	01:46	6.32	0.08	0.22
SJH-105_2A-Street	CONDUIT	18.93	0	01:45	5.33	0.02	0.10
SJH-106_1A-Flowpath	CONDUIT	59.05	0	02:01	6.96	0.10	0.25
SJH-150_1A-Street	CONDUIT	17.46	0	02:00	4.10	0.03	0.13
SJH100-Street	CONDUIT	148.76	0	01:45	8.42	0.34	0.52
SJH102-Street	CONDUIT	205.12	0	01:45	9.21	0.50	0.66
SJH105-Street	CONDUIT	98.26	0	01:45	7.31	0.22	0.40
SJH106-Street	CONDUIT	102.24	0	01:45	8.17	0.19	0.37
SJH150-Street	CONDUIT	78.72	0	01:47	5.78	0.22	0.41
SJH152-Street	CONDUIT	117.54	0	01:47	7.94	0.26	0.44
SJH153-Street	CONDUIT	71.93	0	01:46	6.33	0.17	0.33
SJH200-Street	CONDUIT	54.93	0	01:48	5.55	0.13	0.29
SJH202-Street	CONDUIT	55.78	0	01:47	4.22	0.21	0.39
SJH700-Street	CONDUIT	31.32	0	01:50	4.53	0.07	0.20
SJH109-Street	CONDUIT	76.41	0	01:48	4.75	0.27	0.67
SJN710-Street	CONDUIT	7.28	0	02:00	2.87	0.01	0.07
SJ8-Street	CONDUIT	50.36	0	01:47	4.75	0.15	0.31
SJ90L-Street	CONDUIT	29.45	0	02:00	2.23	0.23	0.39
SJN10-Street	CONDUIT	7.57	0	02:08	1.27	0.06	0.17
SJ7-Street	CONDUIT	49.56	0	01:46	5.13	0.13	0.28
SJN6-Street	CONDUIT	30.37	0	02:00	2.40	0.22	0.37
SJH701-Flowpath	CONDUIT	4.21	0	02:53	0.89	0.04	0.14
SJ5-Street	CONDUIT	51.89	0	01:47	4.74	0.16	0.32
SJ4-Street	CONDUIT	39.86	0	01:46	4.24	0.12	0.28
SJ3-Street	CONDUIT	65.63	0	01:45	4.58	0.24	0.42
SJ2-Street	CONDUIT	66.27	0	01:45	5.22	0.20	0.37
SJ1-Street	CONDUIT	81.92	0	01:48	2.32	0.10	0.61
M14FG2-M14FG3	CONDUIT	332.28	0	02:20	5.16	0.12	0.46
OVF_08	CONDUIT	194.15	0	01:57	4.73	0.43	0.60
OVF_KATH	CONDUIT	11.74	0	02:36	0.66	0.43	0.36
OVF_MECH	CONDUIT	147.06	0	02:15	4.49	0.62	0.68
OVF_03	CONDUIT	11.36	0	01:51	2.07	0.06	0.17
OVF_04	CONDUIT	5.89	0	01:52	0.50	0.01	0.18
OVF_05	CONDUIT	46.89	0	01:54	2.19	0.15	0.34
OVF_06	CONDUIT	40.23	0	01:57	1.89	0.18	0.33
OVF_07	CONDUIT	27.41	0	01:57	1.13	0.05	0.38
OVF_02	CONDUIT	13.07	0	01:49	3.04	0.03	0.15
OVF_01	CONDUIT	0.00	0	00:00	0.00	0.00	0.06
OVF_28	CONDUIT	22.48	0	01:49	1.24	0.74	0.62
S.BroadwayPond-K14954	CONDUIT	43.58	0	02:55	8.88	3.30	1.00
MechemPond-M14m13	CONDUIT	27.81	0	03:23	8.85	1.95	1.00
72in_Unknown	CONDUIT	86.88	0	02:10	5.52	0.62	0.62
Culvert1in-Culvert1out	CONDUIT	320.09	0	02:22	0.87	0.08	0.71
Culvert1out-M14CH1	CONDUIT	318.15	0	02:22	3.30	0.07	0.56
Culvert2in-Culvert2out	CONDUIT	350.88	0	02:25	0.82	0.09	0.80
RRculvert	CONDUIT	430.54	0	02:27	0.97	0.15	0.53
M14CH3-RRculvertin	CONDUIT	377.60	0	02:28	3.81	0.37	0.55
OVF_29	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
OVF_SBP	CONDUIT	28.87	0	03:00	2.59	0.20	0.35
SJH-700A_Pond-M14282	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
SJH-700C-M14263	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
OVF_10	CONDUIT	173.55	0	01:47	7.96	0.53	0.68
OVF_11	CONDUIT	0.00	0	00:00	0.00	0.00	0.40
OVF_12	CONDUIT	24.86	0	02:48	1.59	0.32	0.52
OVF_13	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
OVF_14	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
OVF_15	CONDUIT	9.67	0	03:21	1.39	0.08	0.20
OVF_17	CONDUIT	12.26	0	01:45	2.99	0.03	0.13
OVF_30	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
OVF_18	CONDUIT	10.55	0	01:50	3.20	0.02	0.10
OVF_19	CONDUIT	15.64	0	01:47	2.19	0.11	0.22

OVF_20	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
OVF_09	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
OVF_16	CONDUIT	0.04	0	03:20	0.08	0.00	0.01
OVF_21	CONDUIT	7.49	0	01:50	2.24	0.05	0.17
OVF_22	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
OVF_23	CONDUIT	0.00	0	00:00	0.00	0.00	0.09
OVF_24	CONDUIT	22.00	0	03:02	2.49	0.13	0.28
OVF_25	CONDUIT	7.89	0	03:39	1.05	0.07	0.22
OVF_26	CONDUIT	33.93	0	02:02	2.79	0.17	0.40
OVF_27	CONDUIT	12.56	0	02:05	1.15	0.26	0.32
L14K06-L14562	CONDUIT	65.85	0	01:47	5.24	0.65	1.00
PUMP_CT-3500-135_02	PUMP	71.31	0	03:11		0.93	
L14JB3-L14JB3_Orifice	Node ORIFICE	60.72	0	02:38			1.00
ORI_05	ORIFICE	12.68	0	03:20			
ORI_04	ORIFICE	0.41	0	01:56		1.00	
ORI_02	ORIFICE	1.41	0	02:02		1.00	
ORI_01	ORIFICE	1.40	0	03:20		1.00	
ORI_03	ORIFICE	1.24	0	01:56		1.00	

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Flow Classification Summary
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Conduit	Adjusted /Actual Length	Dry	Up Dry	Down Dry	Sub Crit	Sup Crit	Up Crit	Down Crit	Avg. Froude Number	Avg. Flow Change
		--- Fraction of Time in Flow Class ----								
J14994-J14993	1.00	0.89	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
J14993-K14084	1.00	0.89	0.00	0.00	0.11	0.00	0.00	0.00	0.02	0.0000
J15903-J14994	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
K14091-J14994	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
K14084-K14083	1.00	0.84	0.04	0.00	0.11	0.00	0.00	0.00	0.02	0.0001
K14083-K14082	1.00	0.71	0.13	0.00	0.16	0.00	0.00	0.00	0.01	0.0000
K14082-K14081	1.00	0.01	0.70	0.00	0.29	0.00	0.00	0.00	0.01	0.0000
K14081-K14073	1.00	0.01	0.00	0.00	0.74	0.00	0.00	0.25	0.54	0.0000
K14073-K14072	1.00	0.02	0.00	0.00	0.56	0.42	0.00	0.00	1.05	0.0001
K14072-K14071	1.00	0.02	0.00	0.00	0.68	0.30	0.00	0.00	0.75	0.0001
K14071-K14074	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.57	0.0002
K14074-K14075	1.00	0.02	0.00	0.00	0.97	0.00	0.00	0.00	0.21	0.0001
K14191-K14182	1.00	0.01	0.00	0.00	0.00	0.79	0.00	0.19	1.79	0.0000
K14182-K14181	1.00	0.02	0.00	0.00	0.00	0.00	0.00	0.98	2.11	0.0000
K14181-K14085	1.00	0.02	0.00	0.00	0.00	0.97	0.00	0.01	1.68	0.0000
K14085-K14077	1.00	0.02	0.00	0.00	0.07	0.82	0.00	0.09	1.47	0.0000
K14077-K14076	1.00	0.03	0.00	0.00	0.07	0.56	0.00	0.35	1.42	0.0000
K14076-K14075	1.00	0.03	0.00	0.00	0.14	0.24	0.00	0.59	1.55	0.0000
K14075-K14171	1.00	0.02	0.00	0.00	0.97	0.00	0.00	0.00	0.41	0.0001
K14171-K14172	1.00	0.02	0.01	0.00	0.97	0.00	0.00	0.00	0.34	0.0001
K14172-K14271	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.44	0.0001
K14271-K14371	1.00	0.02	0.00	0.00	0.97	0.00	0.00	0.00	0.46	0.0001
K14371-K14372	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.44	0.0001
K14372-K14373	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.40	0.0001
K14373-K14361	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.42	0.0001
K14361-K14362	1.00	0.03	0.00	0.00	0.96	0.00	0.00	0.01	0.52	0.0004
K14362-K14461	1.00	0.02	0.02	0.00	0.97	0.00	0.00	0.00	0.45	0.0001
K14291-K14281	1.00	0.01	0.00	0.00	0.41	0.57	0.00	0.01	1.16	0.0000
K14281-K14183	1.00	0.01	0.00	0.00	0.12	0.82	0.00	0.04	1.48	0.0000
K14183-K14174	1.00	0.02	0.00	0.00	0.00	0.03	0.00	0.95	1.47	0.0000
K14174-K14173	1.00	0.02	0.00	0.00	0.04	0.93	0.00	0.02	1.45	0.0000
K14173-K14172	1.00	0.02	0.00	0.00	0.05	0.00	0.00	0.92	1.40	0.0000
K14592-K14591	1.00	0.02	0.00	0.00	0.02	0.00	0.00	0.96	1.39	0.0000
K14591-K14483	1.00	0.02	0.00	0.00	0.00	0.00	0.00	0.98	1.39	0.0000
K14483-K14482	1.00	0.03	0.00	0.00	0.00	0.00	0.00	0.97	1.31	0.0000
K14482-K14481	1.00	0.03	0.00	0.00	0.57	0.36	0.00	0.04	0.98	0.0000
K14481-K14471	1.00	0.03	0.00	0.00	0.02	0.00	0.00	0.94	1.22	0.0000
K14471-K14462	1.00	0.01	0.02	0.00	0.97	0.00	0.00	0.00	0.17	0.0000
K14462-K14461	1.00	0.01	0.00	0.00	0.05	0.00	0.00	0.94	1.54	0.0001
K14451-K14461	1.00	0.06	0.00	0.00	0.07	0.00	0.00	0.87	0.11	0.0001
K14951-K14952	1.00	0.07	0.61	0.00	0.32	0.00	0.00	0.00	0.15	0.0001
K14952-L14052	1.00	0.07	0.00	0.00	0.13	0.00	0.00	0.79	0.20	0.0001
L14052-L14055	1.00	0.06	0.01	0.00	0.17	0.00	0.00	0.76	0.21	0.0001

K14681-K14672	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
K14672-K14671	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
K14671-K14661	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
K14792-K14783	1.00	0.02	0.16	0.00	0.46	0.23	0.00	0.13	0.89	0.0000
K14783-K14782	1.00	0.02	0.00	0.00	0.00	0.00	0.00	0.98	1.08	0.0000
K14782-K14781	1.00	0.02	0.22	0.00	0.39	0.23	0.00	0.13	0.89	0.0000
K14781-K14772	1.00	0.02	0.00	0.00	0.00	0.00	0.00	0.98	1.08	0.0000
K14772-K14771	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	1.41	0.0000
K14771-K14761	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	1.43	0.0000
K14882-K14875	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
K14875-K14874	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
K14874-K14864	1.00	0.74	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
K14461-K14463	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.48	0.0001
K14463-K14563	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.51	0.0001
K14563-K14661	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.38	0.0001
K14661-K14662	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.47	0.0000
K14662-K14761	1.00	0.02	0.01	0.00	0.98	0.00	0.00	0.00	0.42	0.0000
K14761-K14MH1	1.00	0.02	0.00	0.00	0.88	0.00	0.00	0.10	0.47	0.0001
K14961-L14061	1.00	0.27	0.35	0.00	0.38	0.00	0.00	0.00	0.00	0.0000
K14892-K14891	1.00	0.06	0.00	0.00	0.04	0.32	0.00	0.59	0.87	0.0000
K14891-K14881	1.00	0.06	0.47	0.00	0.12	0.35	0.00	0.01	0.81	0.0000
K14881-K14873	1.00	0.06	0.00	0.00	0.00	0.00	0.00	0.94	0.89	0.0000
K14873-K14872	1.00	0.06	0.46	0.00	0.14	0.23	0.00	0.11	0.64	0.0000
K14872-K14871	1.00	0.06	0.00	0.00	0.00	0.00	0.00	0.94	0.73	0.0000
K14871-K14862	1.00	0.06	0.00	0.00	0.00	0.00	0.00	0.94	0.78	0.0000
K14862-K14JB1	1.00	0.06	0.00	0.00	0.19	0.01	0.00	0.73	0.59	0.0000
K14941-K14942	1.00	0.03	0.00	0.00	0.96	0.00	0.00	0.01	0.11	0.0001
K14943-K14942	1.00	0.43	0.13	0.00	0.44	0.00	0.00	0.00	0.00	0.0000
K14942-L14041	1.00	0.04	0.00	0.00	0.95	0.00	0.00	0.01	0.11	0.0001
K14551-K14661	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.98	0.55	0.0000
K14762-K14761	1.00	0.07	0.00	0.00	0.03	0.00	0.00	0.90	0.07	0.0000
K14953-L14053	1.00	0.80	0.10	0.00	0.10	0.00	0.00	0.00	0.01	0.0000
L14053-L14054	1.00	0.16	0.64	0.00	0.20	0.00	0.00	0.00	0.01	0.0001
K14863-K14961	1.00	0.62	0.38	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
K15003-K15001	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
K15002-K15001	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
K15001-J15903	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
K15121-K15111	1.00	0.01	0.00	0.00	0.94	0.05	0.00	0.00	0.64	0.0000
K15111-K15211	1.00	0.01	0.00	0.00	0.60	0.26	0.00	0.13	0.90	0.0000
K15211-K15212	1.00	0.01	0.00	0.00	0.69	0.25	0.00	0.05	0.83	0.0000
K15311-K15214	1.00	0.01	0.00	0.00	0.82	0.00	0.00	0.17	0.40	0.0001
K15214-K15213	1.00	0.01	0.00	0.00	0.53	0.31	0.00	0.15	1.03	0.0000
K15213-K15212	1.00	0.01	0.00	0.00	0.67	0.32	0.00	0.00	0.79	0.0000
K15212-K15201	1.00	0.01	0.00	0.00	0.00	0.36	0.00	0.62	1.63	0.0000
K15201-K14291	1.00	0.01	0.00	0.00	0.22	0.71	0.00	0.05	1.42	0.0000
K15502-K15501	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	1.39	0.0000
K15401-K15501	1.00	0.02	0.80	0.00	0.18	0.00	0.00	0.00	0.00	0.0001
K15501-K14592	1.00	0.02	0.00	0.00	0.01	0.00	0.00	0.98	1.39	0.0000
K15604-K15602	1.00	0.01	0.20	0.00	0.42	0.35	0.00	0.02	0.92	0.0000
K15601-K15602	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.01	0.0001
K15602-K14791	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	1.11	0.0000
K14791-K14792	1.00	0.02	0.00	0.00	0.00	0.00	0.00	0.98	1.05	0.0000
L14041-L14141	1.00	0.04	0.00	0.00	0.95	0.00	0.00	0.01	0.12	0.0001
L14054-L14055	1.00	0.15	0.00	0.00	0.06	0.00	0.00	0.78	0.08	0.0001
L14055-L14151	1.00	0.01	0.56	0.00	0.43	0.00	0.00	0.00	0.11	0.0001
L14151-L14152	1.00	0.01	0.00	0.00	0.18	0.00	0.00	0.80	0.43	0.0000
L14152-L14JB1	1.00	0.02	0.00	0.00	0.18	0.00	0.00	0.80	0.57	0.0000
L14142-L14141	1.00	0.06	0.00	0.00	0.71	0.00	0.22	0.00	0.01	0.0006
L14141-L14143	1.00	0.05	0.00	0.00	0.35	0.00	0.00	0.60	0.48	0.0001
L14143-L14JB1	1.00	0.02	0.03	0.00	0.21	0.17	0.00	0.57	1.12	0.0001
L14342-L14341	1.00	0.82	0.01	0.00	0.17	0.00	0.00	0.00	0.00	0.0000
L14341-L14242	1.00	0.80	0.02	0.00	0.18	0.00	0.00	0.00	0.01	0.0000
L14242-L14241	1.00	0.76	0.04	0.00	0.20	0.00	0.00	0.00	0.01	0.0000
L14241-L14143	1.00	0.43	0.33	0.00	0.24	0.00	0.00	0.00	0.00	0.0000
L14152-L14252	1.00	0.25	0.35	0.00	0.08	0.00	0.31	0.00	0.13	0.0000
L14252-L14244	1.00	0.07	0.19	0.00	0.74	0.00	0.00	0.00	0.00	0.0001
L14244-L14251	1.00	0.07	0.00	0.00	0.74	0.00	0.00	0.19	0.01	0.0002
L14251-L14245	1.00	0.07	0.00	0.00	0.78	0.00	0.00	0.15	0.01	0.0001
L14245-L14243	1.00	0.07	0.15	0.00	0.78	0.00	0.00	0.00	0.01	0.0002
L14243-L14345	1.00	0.07	0.00	0.00	0.80	0.00	0.00	0.13	0.02	0.0002
L14345-L14347	1.00	0.06	0.13	0.00	0.80	0.00	0.00	0.00	0.00	0.0000
L14347-L14348	1.00	0.06	0.00	0.00	0.94	0.00	0.00	0.00	0.00	0.0006

L14348-L14349	1.00	0.06	0.00	0.00	0.93	0.00	0.00	0.00	0.01	0.0000
L14349-L14442	1.00	0.06	0.00	0.00	0.92	0.00	0.00	0.01	0.02	0.0001
L14442-L14443	1.00	0.06	0.01	0.00	0.93	0.00	0.00	0.00	0.04	0.0001
L14443-L14JB3	1.00	0.06	0.00	0.00	0.82	0.00	0.00	0.12	0.04	0.0000
L14042-L14051	1.00	0.09	0.66	0.00	0.25	0.00	0.00	0.00	0.01	0.0020
L14051-L14055	1.00	0.08	0.00	0.00	0.10	0.00	0.00	0.81	0.08	0.0018
L14192-L14191	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14191-L14181	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14181-L14171	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14182-L14172	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14171-L14172	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14172-L14273	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14372-L14275	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14291-L14282	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14282-L14275	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14275-L14274	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14274-L14263	1.00	0.01	0.00	0.00	0.07	0.02	0.00	0.89	1.08	0.0000
L14281-L14273	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14273-L14272	1.00	0.97	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14272-L14271	1.00	0.87	0.10	0.00	0.03	0.00	0.00	0.00	0.00	0.0000
L14271-L14262	1.00	0.01	0.85	0.00	0.13	0.00	0.00	0.00	0.00	0.0000
L14262-L14263	1.00	0.01	0.00	0.00	0.05	0.00	0.00	0.94	0.88	0.0000
L14451-L14352	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14352-L14355	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14355-L14354	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14354-L14351	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14392-L14393	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14391-L14393	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14393-L14394	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14394-L14381	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14381-L14373	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14373-L14371	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14371-L14363	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14472-L14471	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14471-L14461	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14591-L14592	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14592-L14581	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14581-L14582	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14582-L14571	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14571-L14562	1.00	0.92	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14081-L14072	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14072-L14071	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14071-L14GAR	1.00	0.98	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14061-L14161	1.00	0.22	0.05	0.00	0.73	0.00	0.00	0.00	0.01	0.0000
L14161-L14JB2	1.00	0.04	0.18	0.00	0.78	0.00	0.00	0.00	0.00	0.0000
L14JB2-L14261	1.00	0.04	0.00	0.00	0.96	0.00	0.00	0.00	0.49	0.0000
L14261-L14361	1.00	0.04	0.00	0.00	0.95	0.00	0.00	0.00	0.58	0.0000
L14361-L14351	1.00	0.01	0.03	0.00	0.18	0.00	0.00	0.77	0.69	0.0000
L14351-L14353	1.00	0.01	0.00	0.00	0.09	0.89	0.00	0.00	1.81	0.0000
L14353-L14346	1.00	0.01	0.00	0.00	0.98	0.00	0.00	0.00	0.42	0.0000
L14346-L14344	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.21	0.0006
L14343-L14344	1.00	0.02	0.22	0.00	0.76	0.00	0.00	0.00	0.00	0.0024
L14344-L14441	1.00	0.02	0.00	0.00	0.97	0.00	0.00	0.01	0.19	0.0001
L14441-L14JB3	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.10	0.0001
L14364-L14363	1.00	0.02	0.00	0.00	0.97	0.00	0.01	0.00	0.01	0.0002
L14263-L14362	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.33	0.0001
L14362-L14363	1.00	0.01	0.00	0.00	0.14	0.00	0.00	0.84	0.46	0.0000
L14363-L14461	1.00	0.02	0.00	0.00	0.69	0.18	0.00	0.11	0.77	0.0000
L14461-L14K06	1.00	0.02	0.00	0.00	0.81	0.17	0.00	0.00	0.74	0.0000
L14562-L14663	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.31	0.0000
L14462-L14461	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14561-L14562	1.00	0.06	0.00	0.00	0.08	0.00	0.00	0.86	0.02	0.0084
L14444-L14442	1.00	0.06	0.00	0.00	0.93	0.00	0.00	0.01	0.01	0.0021
L14445-L14443	1.00	0.06	0.00	0.00	0.94	0.00	0.00	0.00	0.01	0.0017
L14542-L14544	1.00	0.06	0.17	0.00	0.77	0.00	0.00	0.00	0.00	0.0000
L14544-L14641	1.00	0.01	0.05	0.00	0.92	0.00	0.00	0.02	0.01	0.0000
L14641-L14644	1.00	0.01	0.02	0.00	0.90	0.00	0.00	0.07	0.05	0.0000
L14644-L1474A	1.00	0.01	0.07	0.00	0.91	0.00	0.00	0.01	0.06	0.0000
L1474A-L14743	1.00	0.02	0.00	0.00	0.90	0.00	0.00	0.08	0.05	0.0000
L14743-L1474C	1.00	0.02	0.08	0.00	0.87	0.00	0.00	0.03	0.05	0.0000
L1474C-L14741	1.00	0.02	0.00	0.00	0.97	0.00	0.00	0.01	0.32	0.0001
L14741-L14842	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.36	0.0000

L14842-L14841	1.00	0.03	0.00	0.00	0.96	0.00	0.00	0.00	0.35	0.0000
L14841-L14837	1.00	0.04	0.00	0.00	0.96	0.00	0.00	0.00	0.35	0.0000
L14837-L14934	1.00	0.04	0.00	0.00	0.95	0.00	0.00	0.01	0.34	0.0000
L14934-L14935	1.00	0.05	0.00	0.00	0.94	0.00	0.00	0.01	0.35	0.0000
L14935-M14031	1.00	0.05	0.00	0.00	0.93	0.00	0.00	0.02	0.29	0.0000
M14IN1-M14031	1.00	0.03	0.02	0.00	0.94	0.01	0.00	0.00	0.03	0.0000
M14031-M14032	1.00	0.06	0.00	0.00	0.94	0.00	0.00	0.00	0.36	0.0000
L14681-L14585	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14585-L14583	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14583-L14575	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14575-L14572	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14572-L14574	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14574-L14573	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14573-L14571	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14691-L14791	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14791-L14782	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14782-L14781	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14781-L14771	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14771-L14764	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14883-L14882	1.00	0.01	0.60	0.00	0.08	0.04	0.00	0.27	0.45	0.0000
L14882-L14784	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.62	0.0000
L14885-L14881	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14881-L14783	1.00	0.95	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14792-L14784	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14784-L14783	1.00	0.01	0.00	0.00	0.06	0.03	0.00	0.90	0.48	0.0000
L14783-L14772	1.00	0.01	0.62	0.00	0.31	0.06	0.00	0.00	0.27	0.0000
L14772-L14766	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	1.63	0.0000
L14651-L14652	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14652-L14653	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14653-L14751	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14751-L14752	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14752-L14745	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14750-L14745	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14745-L14749	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14749-L14742	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14531-L14532	1.00	0.06	0.17	0.00	0.76	0.00	0.00	0.00	0.00	0.0000
L14532_OrifaceNode-L14533	1.00	0.06	0.00	0.00	0.93	0.00	0.00	0.00	0.42	0.0000
L14533-L14631	1.00	0.07	0.00	0.00	0.93	0.00	0.00	0.00	0.42	0.0000
L14631-L14633	1.00	0.07	0.00	0.00	0.93	0.00	0.00	0.00	0.42	0.0000
L14633-L14634	1.00	0.07	0.00	0.00	0.93	0.00	0.00	0.00	0.42	0.0000
L14634-L14635	1.00	0.07	0.00	0.00	0.92	0.00	0.00	0.00	0.41	0.0000
L14635-L14636	1.00	0.07	0.00	0.00	0.92	0.00	0.00	0.00	0.41	0.0000
L14636-L14738	1.00	0.08	0.00	0.00	0.92	0.00	0.00	0.01	0.45	0.0000
L14738-L14732	1.00	0.08	0.00	0.00	0.92	0.00	0.00	0.01	0.43	0.0000
L14732-L14734	1.00	0.08	0.00	0.00	0.92	0.00	0.00	0.01	0.40	0.0000
L14734-L14733	1.00	0.08	0.00	0.00	0.92	0.00	0.00	0.00	0.41	0.0000
L14733-L14737	1.00	0.08	0.00	0.00	0.91	0.00	0.00	0.00	0.41	0.0000
L14737-L14831	1.00	0.08	0.00	0.00	0.91	0.00	0.00	0.01	0.40	0.0000
L14831-L14833	1.00	0.08	0.00	0.00	0.92	0.00	0.00	0.00	0.40	0.0000
L14833-L14834	1.00	0.08	0.00	0.00	0.91	0.00	0.00	0.00	0.38	0.0000
L14834-L14836	1.00	0.08	0.00	0.00	0.92	0.00	0.00	0.00	0.39	0.0001
L14836-L14931	1.00	0.08	0.00	0.00	0.92	0.00	0.00	0.00	0.41	0.0000
L14931-L14933	1.00	0.07	0.00	0.00	0.92	0.00	0.00	0.00	0.39	0.0001
L14933-M14021	1.00	0.07	0.00	0.00	0.92	0.00	0.00	0.00	0.39	0.0001
L14543-L14532	1.00	0.06	0.61	0.00	0.33	0.00	0.00	0.00	0.00	0.0000
L14534-L14533	1.00	0.29	0.40	0.00	0.31	0.00	0.00	0.00	0.00	0.0000
L14632-L14631	1.00	0.61	0.09	0.00	0.29	0.00	0.00	0.00	0.00	0.0000
L14731-L14738	1.00	0.61	0.12	0.00	0.28	0.00	0.00	0.00	0.00	0.0000
L14736-L14734	1.00	0.09	0.00	0.00	0.28	0.00	0.00	0.63	0.01	0.0017
L14832-L14831	1.00	0.28	0.43	0.00	0.29	0.00	0.00	0.00	0.00	0.0000
L14835-L14834	1.00	0.60	0.11	0.00	0.30	0.00	0.00	0.00	0.00	0.0000
L14932-L14931	1.00	0.28	0.40	0.00	0.32	0.00	0.00	0.00	0.00	0.0000
L14545-L14643	1.00	0.05	0.00	0.00	0.94	0.00	0.00	0.01	0.45	0.0000
L14643-L1474C	1.00	0.02	0.03	0.00	0.94	0.00	0.00	0.00	0.60	0.0000
L14852-L14851	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14851-L14761	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14762-L14761	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14761-L14018	1.00	0.20	0.80	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
L14018-L14742	1.00	0.01	0.19	0.00	0.80	0.00	0.00	0.00	0.01	0.0000
L14742-L14746	1.00	0.01	0.00	0.00	0.98	0.00	0.00	0.00	0.05	0.0000
L14746-L1474B	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.04	0.0000
L1474B-L1474C	1.00	0.02	0.00	0.00	0.97	0.00	0.00	0.01	0.05	0.0000

L14662-L14661	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.0002
L14646-L14547	1.00	0.07	0.00	0.00	0.93	0.00	0.00	0.00	0.01	0.0006
L14547-L14546	1.00	0.07	0.00	0.00	0.93	0.00	0.00	0.00	0.04	0.0003
L14546-L14544	1.00	0.06	0.00	0.00	0.22	0.00	0.00	0.71	0.19	0.0000
L14763-L14764	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.01	0.0001
L14862-L14864	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.01	0.0005
L14663-L14661	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.26	0.0002
L14661-L14764	1.00	0.01	0.00	0.00	0.98	0.00	0.00	0.00	0.40	0.0000
L14764-L14765	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.44	0.0000
L14765-L14766_OrifaceNode	1.00	0.02	0.00	0.00	0.06	0.00	0.00	0.92	0.63	0.0000
L14766-L14864	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.49	0.0000
L14864-L14962	1.00	0.01	0.00	0.00	0.98	0.00	0.00	0.00	0.23	0.0001
L14962-L14961	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.12	0.0000
L14961-M14061	1.00	0.02	0.02	0.00	0.96	0.00	0.00	0.00	0.19	0.0000
M14IN2-M14034	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
M14034-M1433B	1.00	0.07	0.93	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
M14032-M1433B	1.00	0.06	0.00	0.00	0.93	0.00	0.00	0.01	0.37	0.0000
M1433B-M14035	1.00	0.07	0.00	0.00	0.93	0.00	0.00	0.01	0.37	0.0000
M14035-M14131	1.00	0.07	0.00	0.00	0.92	0.00	0.00	0.01	0.38	0.0000
M14131-M14132	1.00	0.07	0.00	0.00	0.92	0.00	0.00	0.00	0.41	0.0000
M14132-M14003	1.00	0.07	0.00	0.00	0.93	0.00	0.00	0.00	0.47	0.0000
M14003-M14232	1.00	0.07	0.00	0.00	0.25	0.00	0.00	0.68	0.65	0.0000
M14232-M1431B	1.00	0.03	0.04	0.00	0.88	0.05	0.00	0.00	0.73	0.0000
M1431B-M14243	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.58	0.0000
M14243-M14342	1.00	0.02	0.01	0.00	0.97	0.00	0.00	0.00	0.50	0.0000
M14342-M14351	1.00	0.02	0.00	0.00	0.00	0.00	0.00	0.98	0.74	0.0000
M14351-M14OU1	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.18	0.0003
M1431B-M14342	1.00	0.02	0.01	0.00	0.97	0.00	0.00	0.00	0.54	0.0000
M14061-M14MY1	1.00	0.02	0.03	0.00	0.95	0.00	0.00	0.00	0.71	0.0000
M14161-M14261	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
M14261-M14252	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
M14252-M14251	1.00	0.76	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
M14251-M14241	1.00	0.01	0.00	0.00	0.77	0.00	0.00	0.22	0.08	0.0000
M14241-M14341	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.14	0.0000
M14341-M14342	1.00	0.02	0.00	0.00	0.96	0.00	0.00	0.02	0.14	0.0000
M14021-M14022	1.00	0.07	0.00	0.00	0.93	0.00	0.00	0.00	0.39	0.0001
M14022-M14121	1.00	0.06	0.00	0.00	0.93	0.00	0.00	0.00	0.39	0.0001
M14121-M14122	1.00	0.06	0.00	0.00	0.93	0.00	0.00	0.00	0.42	0.0003
M14122-M14221	1.00	0.05	0.01	0.00	0.94	0.00	0.00	0.00	0.49	0.0003
M14221-M14222	1.00	0.02	0.04	0.00	0.95	0.00	0.00	0.00	0.49	0.0003
M14222-M14223	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.01	0.48	0.0001
M14223-M14321	1.00	0.02	0.00	0.00	0.97	0.00	0.00	0.01	0.44	0.0001
M14321-M1432A	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.41	0.0001
M1432A-M14233	1.00	0.03	0.00	0.00	0.96	0.00	0.00	0.00	0.41	0.0001
M14233-M1431A	1.00	0.04	0.00	0.00	0.96	0.00	0.00	0.00	0.42	0.0001
M1431A-M1432B	1.00	0.04	0.00	0.00	0.96	0.00	0.00	0.00	0.39	0.0000
M1432B-M1431B	1.00	0.03	0.01	0.00	0.95	0.00	0.00	0.01	0.26	0.0000
M15201-M14282	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
M14282-M14281	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
M14281-M14271	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
M14271-M14M11	1.00	0.01	0.00	0.00	0.00	0.53	0.00	0.46	1.72	0.0000
M14PL1-M14263	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
M14263-M14264	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
M14264-M14253	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
M14253-M14254	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
M14254-M14242	1.00	0.69	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
M14242-M14342	1.00	0.02	0.24	0.00	0.74	0.00	0.00	0.00	0.00	0.0000
M14333-M14343	1.00	0.85	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
M14343-M14344	1.00	0.75	0.10	0.00	0.15	0.00	0.00	0.00	0.00	0.0000
M14344-M14353	1.00	0.65	0.10	0.00	0.25	0.00	0.00	0.00	0.00	0.0000
M14353-M14352	1.00	0.28	0.37	0.00	0.35	0.00	0.00	0.00	0.01	0.0000
M14352-M14OU2	1.00	0.22	0.06	0.00	0.72	0.00	0.00	0.00	0.01	0.0000
M14431-M1442A	1.00	0.72	0.13	0.00	0.15	0.00	0.00	0.00	0.00	0.0000
M1442A-M14441	1.00	0.02	0.70	0.00	0.28	0.00	0.00	0.00	0.01	0.0000
M14441-M14451	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.01	0.22	0.0003
M14451-M14FG1	1.00	0.04	0.00	0.00	0.34	0.00	0.00	0.61	0.48	0.0002
M1442B-M14443	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
M14443-M14444	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
M14444-M14452	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
M14452-M14FG3	1.00	0.84	0.00	0.00	0.16	0.00	0.00	0.00	0.00	0.0000
M14433-M14435	1.00	0.89	0.03	0.00	0.08	0.00	0.00	0.00	0.00	0.0000
M14435-M14442	1.00	0.85	0.03	0.00	0.11	0.00	0.00	0.00	0.00	0.0000

M14442-M14445	1.00	0.76	0.09	0.00	0.14	0.00	0.00	0.00	0.01	0.0000
M14445-M14453	1.00	0.69	0.07	0.00	0.24	0.00	0.00	0.00	0.00	0.0000
M14453-M14OU3	1.00	0.68	0.01	0.00	0.31	0.00	0.00	0.00	0.01	0.0000
M14551-M14456	1.00	0.71	0.08	0.00	0.21	0.00	0.00	0.00	0.00	0.0001
M14456-M14455	1.00	0.56	0.14	0.00	0.29	0.00	0.00	0.00	0.00	0.0000
M14455-M14454	1.00	0.01	0.54	0.00	0.44	0.00	0.00	0.00	0.01	0.0000
M14454-M14FG2	1.00	0.01	0.00	0.00	0.53	0.00	0.00	0.46	0.36	0.0000
M14224-M14223	1.00	0.02	0.54	0.00	0.45	0.00	0.00	0.00	0.00	0.0002
M14334-M14421	1.00	0.83	0.03	0.00	0.14	0.00	0.00	0.00	0.01	0.0000
M14421-M14522	1.00	0.70	0.14	0.00	0.16	0.00	0.00	0.00	0.01	0.0000
M14522-M14521	1.00	0.02	0.67	0.00	0.30	0.00	0.00	0.00	0.01	0.0000
M14521-M14621	1.00	0.02	0.00	0.00	0.96	0.00	0.00	0.02	0.30	0.0000
M14621-M14622	1.00	0.04	0.00	0.00	0.95	0.00	0.00	0.01	0.27	0.0000
M14622-M14631	1.00	0.05	0.00	0.00	0.94	0.00	0.00	0.01	0.23	0.0000
M14631-M14641	1.00	0.01	0.05	0.00	0.94	0.00	0.00	0.00	0.20	0.0000
M14641-M14642	1.00	0.01	0.00	0.00	0.97	0.00	0.00	0.02	0.15	0.0001
M14642-M14CH2	1.00	0.01	0.00	0.00	0.76	0.00	0.00	0.23	0.22	0.0000
K14954-K14945	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.11	0.0001
K14945-K14944	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.10	0.0001
K14944-K14941	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.12	0.0001
K14MH1-K14JB1	1.00	0.02	0.00	0.00	0.39	0.01	0.00	0.59	0.78	0.0000
L14GAR-K14CRO	1.00	0.61	0.01	0.00	0.39	0.00	0.00	0.00	0.00	0.0000
K14CRO-K14864	1.00	0.01	0.55	0.00	0.44	0.00	0.00	0.00	0.01	0.0000
K14864-K14PAC	1.00	0.01	0.00	0.00	0.98	0.00	0.00	0.01	0.22	0.0001
K14PAC-K14MH2	1.00	0.01	0.00	0.00	0.96	0.00	0.00	0.02	0.24	0.0000
K14MH2-K14JB1	1.00	0.01	0.00	0.00	0.41	0.00	0.00	0.57	0.64	0.0001
K14PL1-K14863	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
K14CR1-K14CRO	1.00	0.07	0.00	0.00	0.28	0.00	0.00	0.65	0.00	0.0000
M14M11-M14M10	1.00	0.01	0.00	0.00	0.49	0.49	0.00	0.01	1.23	0.0000
M14M10-M14M09	1.00	0.02	0.00	0.00	0.61	0.36	0.00	0.01	0.97	0.0000
M14M09-M14M08	1.00	0.01	0.01	0.00	0.68	0.29	0.00	0.00	0.81	0.0000
M14M08-M14MY1	1.00	0.01	0.00	0.00	0.94	0.04	0.00	0.00	0.43	0.0003
M14MY1-M14M05	1.00	0.02	0.00	0.00	0.96	0.02	0.00	0.00	0.64	0.0001
M14M06-M14M05	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
M14M05-M14M04	1.00	0.02	0.00	0.00	0.65	0.00	0.00	0.34	0.65	0.0000
M14M04-M14M03	1.00	0.02	0.00	0.00	0.34	0.63	0.00	0.01	1.17	0.0000
M14M03-M14M02	1.00	0.02	0.00	0.00	0.70	0.27	0.00	0.01	0.84	0.0000
M14M02-MechemPond	1.00	0.02	0.00	0.00	0.24	0.01	0.00	0.73	1.05	0.0000
M14M13-M14241	1.00	0.02	0.00	0.00	0.74	0.01	0.00	0.23	0.40	0.0000
L14K06-L14K05	1.00	0.02	0.00	0.00	0.67	0.31	0.00	0.00	0.65	0.0013
L14K05-L14K04	1.00	0.02	0.00	0.00	0.57	0.41	0.00	0.00	1.19	0.0001
L14K04-L14K03	1.00	0.02	0.00	0.00	0.42	0.55	0.00	0.00	1.59	0.0001
L14K03-L14K02	1.00	0.02	0.00	0.00	0.03	0.02	0.00	0.92	1.28	0.0000
L14K02-L14K01	1.00	0.02	0.00	0.00	0.97	0.00	0.00	0.00	0.28	0.0005
L14K01-L14551	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.11	0.0002
L14551-L14541	1.00	0.03	0.00	0.00	0.95	0.00	0.00	0.03	0.09	0.0001
L14541-L14JB3	1.00	0.03	0.00	0.00	0.82	0.01	0.00	0.14	0.21	0.0001
L14IN1-L14532	1.00	0.06	0.00	0.00	0.92	0.00	0.00	0.02	0.42	0.0001
L14JB3_OrificeNode-L14545	1.00	0.03	0.03	0.00	0.94	0.00	0.00	0.00	0.25	0.0000
M14015-M14016	1.00	0.04	0.00	0.00	0.96	0.00	0.00	0.01	0.33	0.0003
M14016-M14017	1.00	0.04	0.00	0.00	0.96	0.00	0.00	0.00	0.16	0.0001
M14017-M14CH1	1.00	0.04	0.00	0.00	0.40	0.00	0.00	0.56	0.21	0.0008
M14601-M14600	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.06	0.0004
M14600-M14CH3	1.00	0.02	0.00	0.00	0.29	0.00	0.00	0.70	0.17	0.0003
K14JB1-S.BroadwayPond	1.00	0.01	0.00	0.00	0.68	0.00	0.00	0.31	0.18	0.0002
L14JB3-KathrynPond	1.00	0.13	0.01	0.00	0.82	0.01	0.01	0.02	0.10	0.0001
L14JB1-L14PS1	1.00	0.02	0.00	0.00	0.19	0.01	0.00	0.79	2.10	0.0001
M14OU1-M14FG1	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.60	0.0000
M14FG1-M14FG2	1.00	0.01	0.03	0.00	0.95	0.00	0.00	0.00	0.52	0.0000
M14FG3-M14OU3	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.50	0.0000
M14OU3-M14CH1	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.53	0.0000
M14CH1-M14CH2	1.00	0.04	0.00	0.00	0.95	0.00	0.00	0.00	0.33	0.0000
M14CH2-M14CH3	1.00	0.01	0.00	0.00	0.98	0.00	0.00	0.00	0.21	0.0000
M14CH3-OUTLET	1.00	0.06	0.00	0.00	0.94	0.00	0.00	0.00	0.47	0.0000
BH-134-street	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.95	0.0000
SJH-100_1A-Steet	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	1.14	0.0000
SJH-100_2A_Street	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.80	0.0000
SJH-100_3A-Steet	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	1.09	0.0000
SJH-100_4A-Street	1.00	0.41	0.00	0.00	0.00	0.00	0.00	0.59	0.74	0.0000
SJH-100_5A-Street	1.00	0.42	0.00	0.00	0.00	0.01	0.00	0.57	0.82	0.0000
SJH-102_1A-Street	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	1.03	0.0000
SJH-102_2A-Street	1.00	0.12	0.00	0.00	0.00	0.01	0.00	0.87	0.84	0.0000

SJH-105_1A-Street	1.00	0.26	0.00	0.00	0.00	0.00	0.00	0.74	0.91	0.0000
SJH-105_2A-Street	1.00	0.53	0.00	0.00	0.00	0.00	0.00	0.47	0.82	0.0000
SJH-106_1A-Flowpath	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	1.32	0.0000
SJH-150_1A-Street	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	1.06	0.0000
SJH100-Street	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.97	0.0000
SJH102-Street	1.00	0.01	0.00	0.00	0.00	0.05	0.00	0.94	1.02	0.0000
SJH105-Street	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.95	0.0000
SJH106-Street	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	1.09	0.0000
SJH150-Street	1.00	0.01	0.00	0.00	0.00	0.01	0.00	0.98	0.83	0.0000
SJH152-Street	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	1.04	0.0000
SJH153-Street	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.93	0.0000
SJH200-Street	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.97	0.0000
SJH202-Street	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.56	0.0000
SJH700-Street	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.90	0.0000
SJH109-Street	1.00	0.01	0.00	0.00	0.06	0.00	0.00	0.93	0.60	0.0000
SJN710-Street	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.99	0.0000
SJ8-Street	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.74	0.0000
SJ90L-Street	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.32	0.0000
SJN10-Street	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.31	0.0000
SJ7-Street	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.81	0.0000
SJN6-Street	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.35	0.0000
SJH701-Flowpath	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.35	0.0000
SJ5-Street	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.71	0.0000
SJ4-Street	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.66	0.0000
SJ3-Street	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.58	0.0000
SJ2-Street	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.68	0.0000
SJ1-Street	1.00	0.01	0.00	0.00	0.47	0.00	0.00	0.52	0.17	0.0003
M14FG2-M14FG3	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.50	0.0000
OVF_08	1.00	0.94	0.00	0.00	0.02	0.05	0.00	0.00	0.06	0.0000
OVF_KATH	1.00	0.83	0.00	0.00	0.00	0.00	0.00	0.17	0.03	0.0000
OVF_MECH	1.00	0.88	0.00	0.00	0.00	0.00	0.00	0.12	0.08	0.0000
OVF_03	1.00	0.99	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.0000
OVF_04	1.00	0.97	0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.0000
OVF_05	1.00	0.96	0.02	0.00	0.02	0.00	0.00	0.01	0.01	0.0001
OVF_06	1.00	0.96	0.00	0.00	0.00	0.00	0.00	0.04	0.02	0.0000
OVF_07	1.00	0.94	0.03	0.00	0.03	0.00	0.00	0.00	0.01	0.0000
OVF_02	1.00	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.0000
OVF_01	1.00	0.99	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
OVF_28	1.00	0.94	0.00	0.00	0.06	0.00	0.00	0.00	0.01	0.0000
S.BroadwayPond-K14954	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.11	0.0001
MechemPond-M14m13	1.00	0.02	0.00	0.00	0.80	0.00	0.00	0.18	0.56	0.0000
72in_Unknown	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.55	0.0000
Culvert1in-Culvert1out	1.00	0.04	0.00	0.00	0.96	0.00	0.00	0.00	0.09	0.0000
Culvert1out-M14CH1	1.00	0.04	0.01	0.00	0.95	0.00	0.00	0.00	0.37	0.0000
Culvert2in-Culvert2out	1.00	0.01	0.04	0.00	0.95	0.00	0.00	0.00	0.04	0.0000
RRculvert	1.00	0.06	0.00	0.00	0.94	0.00	0.00	0.00	0.04	0.0000
M14CH3-RRculvertin	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.26	0.0000
OVF_29	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
OVF_SBP	1.00	0.89	0.00	0.00	0.00	0.00	0.00	0.11	0.08	0.0000
SJH-700A_Pond-M14282	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
SJH-700C-M14263	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
OVF_10	1.00	0.94	0.00	0.00	0.00	0.00	0.00	0.06	0.10	0.0000
OVF_11	1.00	0.89	0.11	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
OVF_12	1.00	0.84	0.01	0.00	0.10	0.00	0.00	0.05	0.05	0.0017
OVF_13	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
OVF_14	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
OVF_15	1.00	0.92	0.00	0.00	0.00	0.00	0.00	0.08	0.04	0.0000
OVF_17	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.0000
OVF_30	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
OVF_18	1.00	0.98	0.00	0.00	0.00	0.00	0.00	0.02	0.03	0.0000
OVF_19	1.00	0.99	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.0000
OVF_20	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
OVF_09	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
OVF_16	1.00	0.98	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.0000
OVF_21	1.00	0.99	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.0000
OVF_22	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
OVF_23	1.00	0.99	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.0000
OVF_24	1.00	0.73	0.00	0.00	0.04	0.00	0.00	0.23	0.20	0.0000
OVF_25	1.00	0.91	0.00	0.00	0.07	0.00	0.00	0.03	0.04	0.0000
OVF_26	1.00	0.95	0.00	0.00	0.04	0.00	0.00	0.01	0.03	0.0000
OVF_27	1.00	0.95	0.00	0.00	0.00	0.00	0.00	0.05	0.01	0.0000
L14K06-L14562	1.00	0.01	0.01	0.00	0.98	0.00	0.00	0.00	0.40	0.0001

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Conduit Surcharge Summary
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Conduit	Hours Full: Both Ends	Hours Full: Upstream	Hours Full: Dnstream	Hours Above Full Normal Flow	Hours Capacity Limited
K14084-K14083	0.01	0.01	0.01	0.01	0.01
K14083-K14082	0.01	0.01	0.01	0.01	0.01
K14082-K14081	0.29	0.29	0.29	0.01	0.01
K14081-K14073	0.42	0.42	0.42	0.04	0.07
K14073-K14072	0.86	0.86	0.86	0.01	0.01
K14072-K14071	0.89	0.89	0.89	0.01	0.01
K14071-K14074	0.89	0.89	0.90	0.33	0.02
K14074-K14075	0.92	0.92	0.92	0.81	0.06
K14077-K14076	0.85	0.85	0.85	0.01	0.01
K14076-K14075	0.92	0.92	0.92	0.01	0.01
K14075-K14171	0.94	0.94	0.94	0.65	0.13
K14171-K14172	0.95	0.95	0.95	0.67	0.13
K14172-K14271	0.82	0.82	0.82	0.35	0.32
K14271-K14371	0.82	0.82	0.82	0.23	0.27
K14371-K14372	0.83	0.83	0.83	0.24	0.41
K14372-K14373	0.83	0.83	0.83	0.30	0.42
K14373-K14361	0.82	0.82	0.82	0.45	0.40
K14361-K14362	0.84	0.84	0.84	0.02	0.05
K14362-K14461	0.84	0.84	0.84	0.19	0.25
K14281-K14183	0.01	0.01	0.01	0.01	0.01
K14183-K14174	0.10	0.10	0.10	0.01	0.01
K14174-K14173	0.20	0.20	0.20	0.01	0.01
K14173-K14172	0.41	0.41	0.41	0.01	0.01
K14592-K14591	0.43	0.43	0.43	0.55	0.43
K14591-K14483	0.38	0.38	0.39	0.60	0.38
K14482-K14481	0.19	0.19	0.19	0.01	0.14
K14481-K14471	0.20	0.20	0.20	0.24	0.18
K14471-K14462	0.61	0.61	0.61	0.01	0.01
K14462-K14461	1.22	1.22	1.22	1.34	1.22
K14451-K14461	0.87	0.87	0.87	1.31	0.10
K14951-K14952	1.40	1.40	1.40	1.20	0.84
K14952-L14052	1.43	1.43	1.43	1.82	1.32
L14052-L14055	1.94	1.94	1.94	0.01	0.01
K14461-K14463	0.84	0.84	0.84	1.03	0.84
K14463-K14563	0.80	0.80	0.81	1.02	0.80
K14563-K14661	0.79	0.79	0.79	1.01	0.78
K14661-K14662	0.76	0.76	0.76	1.03	0.76
K14662-K14761	0.37	0.37	0.37	0.74	0.36
K14761-K14MH1	0.01	0.01	0.01	0.69	0.01
K14941-K14942	16.19	16.19	16.20	16.31	16.19
K14943-K14942	6.07	6.07	6.07	0.01	0.01
K14942-L14041	16.01	16.01	16.01	16.54	16.01
K14551-K14661	0.01	0.01	0.01	10.39	0.01
K14762-K14761	0.06	0.06	0.06	0.01	0.01
L14053-L14054	0.04	0.04	0.04	0.01	0.01
K15121-K15111	0.39	0.39	0.39	0.01	0.01
K15111-K15211	0.53	0.53	0.53	0.55	0.53
K15211-K15212	0.42	0.42	0.42	0.55	0.42
K15311-K15214	0.40	0.40	0.40	0.66	0.40
K15214-K15213	0.40	0.40	0.40	0.31	0.34
K15213-K15212	0.40	0.40	0.40	0.37	0.37
K15212-K15201	0.39	0.39	0.39	0.42	0.39
K15502-K15501	0.40	0.40	0.40	0.51	0.40
K15401-K15501	0.19	0.19	0.19	0.01	0.01
K15501-K14592	0.42	0.42	0.42	0.54	0.42
K15601-K15602	0.11	0.11	0.11	0.01	0.05
L14041-L14141	14.11	14.11	14.11	16.53	14.10
L14054-L14055	0.30	0.30	0.30	0.01	0.01
L14055-L14151	2.24	2.24	2.24	0.01	0.01
L14151-L14152	2.47	2.47	2.47	0.43	0.28
L14152-L14JB1	2.45	2.45	2.45	0.01	0.01

L14142-L14141	10.93	10.93	10.93	0.01	0.65
L14141-L14143	2.89	2.89	2.89	16.50	2.88
L14143-L14JB1	2.71	2.71	2.71	0.01	0.01
L14342-L14341	1.16	1.16	1.16	0.01	0.01
L14341-L14242	1.39	1.39	1.39	0.01	0.01
L14242-L14241	1.72	1.72	1.72	0.01	0.01
L14241-L14143	2.07	2.07	2.07	0.01	0.01
L14152-L14252	0.72	0.72	0.72	0.01	0.01
L14252-L14244	7.05	7.05	7.05	3.04	0.01
L14244-L14251	7.47	7.47	7.47	3.12	0.02
L14251-L14245	7.79	7.79	7.79	2.28	0.01
L14245-L14243	8.86	8.86	8.86	2.98	0.01
L14243-L14345	9.26	9.26	9.26	4.05	0.01
L14345-L14347	5.98	5.98	5.98	0.01	0.01
L14347-L14348	22.28	22.28	22.28	5.14	0.80
L14348-L14349	7.74	7.74	7.74	0.01	0.01
L14349-L14442	7.74	7.74	7.74	0.01	0.01
L14442-L14443	8.43	8.43	8.43	0.04	0.01
L14443-L14JB3	9.23	9.23	9.23	0.01	0.01
L14042-L14051	0.34	0.34	0.36	0.01	0.04
L14051-L14055	0.55	0.55	0.57	0.03	0.37
L14262-L14263	0.41	0.41	0.41	0.53	0.41
L14346-L14344	3.07	3.07	3.07	0.61	1.05
L14343-L14344	4.92	4.92	5.00	0.01	0.01
L14344-L14441	3.10	3.10	3.10	0.01	0.01
L14441-L14JB3	3.65	3.65	3.65	0.01	0.01
L14364-L14363	0.60	0.60	0.60	0.01	0.15
L14263-L14362	0.30	0.30	0.30	0.62	0.30
L14362-L14363	0.01	0.01	0.01	0.62	0.01
L14461-L14K06	0.20	0.20	0.20	0.01	0.01
L14561-L14562	0.35	0.35	0.36	0.44	0.21
L14444-L14442	17.18	17.18	17.18	0.03	2.04
L14445-L14443	17.28	17.28	17.28	0.04	1.40
L14542-L14544	0.03	0.03	0.03	0.01	0.01
L14544-L14641	0.11	0.11	0.11	0.01	0.01
L14641-L14644	0.17	0.17	0.17	0.31	0.13
L14644-L1474A	0.19	0.19	0.19	0.29	0.12
L1474A-L14743	0.19	0.19	0.19	0.29	0.11
L14743-L1474C	0.22	0.22	0.22	0.01	0.01
L1474C-L14741	0.43	0.43	0.43	17.12	0.43
L14741-L14842	0.42	0.42	0.42	0.37	0.25
L14842-L14841	0.43	0.43	0.43	0.40	0.26
L14841-L14837	0.40	0.40	0.40	0.39	0.21
L14837-L14934	0.47	0.47	0.47	0.38	0.19
L14934-L14935	0.48	0.48	0.48	0.38	0.16
L14935-M14031	0.40	0.40	0.40	0.35	0.04
M14IN1-M14031	13.87	13.87	13.87	0.01	0.01
M14031-M14032	0.40	0.40	0.40	3.16	0.39
L14834-L14836	0.01	0.01	0.01	4.62	0.01
L14836-L14931	0.01	0.01	0.01	0.01	0.01
L14931-L14933	0.60	0.60	0.60	0.01	0.01
L14933-M14021	0.74	0.74	0.74	0.01	0.01
L14835-L14834	0.01	0.01	0.01	0.01	0.01
L14746-L1474B	0.01	0.01	0.01	0.46	0.01
L14662-L14661	1.19	1.19	1.19	0.01	0.28
L14646-L14547	0.32	0.32	0.32	0.04	0.11
L14547-L14546	0.32	0.32	0.32	0.13	0.08
L14546-L14544	0.32	0.32	0.32	0.01	0.01
L14763-L14764	0.74	0.74	0.74	0.01	0.16
L14862-L14864	1.04	1.04	1.04	0.01	0.26
L14663-L14661	0.30	0.30	0.30	1.08	0.30
L14661-L14764	0.23	0.23	0.23	0.59	0.23
L14764-L14765	0.01	0.01	0.01	0.01	0.01
L14765-L14766_OrifaceNode	0.04	0.04	0.04	0.01	0.01
L14766-L14864	0.01	0.01	0.01	0.01	0.01
L14864-L14962	0.04	0.04	0.04	0.12	0.04
L14962-L14961	0.02	0.02	0.03	0.01	0.02
L14961-M14061	0.01	0.01	0.01	0.64	0.01
M14032-M1433B	0.39	0.39	0.39	2.75	0.24
M1433B-M14035	0.37	0.37	0.37	3.32	0.36
M14035-M14131	0.36	0.36	0.36	2.76	0.16
M14131-M14132	0.34	0.34	0.34	2.98	0.19

M14132-M14003	0.33	0.33	0.34	2.63	0.12
M14003-M14232	0.33	0.33	0.33	3.04	0.28
M14232-M1431B	0.33	0.33	0.33	0.01	0.01
M14342-M14351	0.01	0.01	0.01	0.91	0.01
M14021-M14022	0.77	0.77	0.77	0.01	0.01
M14022-M14121	0.78	0.78	0.78	0.06	0.01
M14121-M14122	0.70	0.70	0.71	0.10	0.07
M14122-M14221	0.73	0.73	0.74	0.01	0.09
M14221-M14222	0.87	0.87	0.87	0.01	0.09
M14222-M14223	0.89	0.89	0.89	0.36	0.39
M14223-M14321	0.87	0.87	0.88	0.85	0.61
M14321-M1432A	0.88	0.88	0.88	0.86	0.70
M1432A-M14233	0.87	0.87	0.87	1.54	0.85
M14233-M1431A	0.77	0.77	0.77	1.46	0.74
M1431A-M1432B	0.70	0.70	0.70	0.62	0.31
M1432B-M1431B	0.72	0.72	0.72	0.01	0.01
M14451-M14FG1	0.01	0.01	0.01	1.34	0.01
M14551-M14456	0.19	0.19	0.19	0.01	0.01
M14456-M14455	0.10	0.10	0.10	0.01	0.01
M14455-M14454	0.16	0.16	0.16	0.01	0.01
M14454-M14FG2	0.01	0.01	0.01	0.09	0.01
M14224-M14223	1.04	1.04	1.05	0.01	0.05
M14521-M14621	0.27	0.27	0.27	0.01	0.01
M14621-M14622	0.47	0.47	0.47	0.01	0.01
M14622-M14631	0.65	0.65	0.65	0.01	0.01
M14631-M14641	0.84	0.84	0.84	0.01	0.01
M14641-M14642	1.04	1.04	1.04	0.65	0.47
M14642-M14CH2	1.18	1.18	1.18	0.01	0.01
K14954-K14945	16.30	16.30	16.30	16.58	16.30
K14945-K14944	16.26	16.26	16.26	16.56	16.26
K14944-K14941	16.24	16.24	16.24	16.57	16.24
L14GAR-K14CRO	1.96	1.96	1.96	0.01	0.01
K14CRO-K14864	0.18	0.18	0.18	0.01	0.01
K14864-K14PAC	1.93	1.93	1.93	0.63	0.34
K14PAC-K14MH2	1.81	1.81	1.81	0.58	0.01
K14MH2-K14JB1	2.54	2.54	2.54	0.01	0.01
K14CR1-K14CRO	0.94	0.94	0.95	0.01	0.01
M14M08-M14MY1	0.26	0.26	0.26	0.01	0.01
M14M05-M14M04	0.01	0.01	0.01	0.19	0.01
M14M02-MechemPond	0.11	0.11	0.11	0.01	0.10
M14M13-M14241	2.89	2.89	2.89	5.44	2.85
L14K06-L14K05	0.01	0.01	0.01	0.68	0.01
L14K04-L14K03	0.01	0.01	0.01	0.04	0.01
L14K03-L14K02	0.27	0.27	0.27	0.01	0.01
L14K02-L14K01	0.76	0.76	0.77	0.39	0.49
L14K01-L14551	0.81	0.81	0.82	0.63	0.66
L14551-L14541	3.20	3.20	3.21	0.75	0.60
L14541-L14JB3	7.91	7.91	7.91	0.01	0.01
L14IN1-L14532	4.62	4.62	4.62	5.49	4.62
M14015-M14016	1.19	1.19	1.19	0.91	0.93
M14016-M14017	1.19	1.19	1.19	0.93	0.86
M14017-M14CH1	1.10	1.10	1.10	2.66	1.08
M14601-M14600	0.65	0.65	0.65	2.04	0.54
M14600-M14CH3	0.65	0.65	0.65	1.18	0.37
K14JB1-S.BroadwayPond	8.67	8.67	8.68	0.11	0.44
L14JB3-KathrynPond	4.02	4.02	4.02	0.11	0.01
L14JB1-L14PS1	2.68	2.68	2.68	0.01	0.01
S.BroadwayPond-K14954	16.31	16.31	16.31	16.54	16.31
MechemPond-M14m13	4.95	4.95	4.95	5.91	4.95
L14K06-L14562	0.27	0.27	0.27	0.01	0.01

****
Pumping Summary
****

Pump	Percent Utilized	Number of Start-Ups	Min Flow CFS	Avg Flow CFS	Max Flow CFS	Total Volume 10^6 gal	Power Usage Kw-hr	% Time Off Pump Curve Low	% Time Off Pump Curve High
PUMP_CT-3500-135_02	95.21	1	0.00	30.61	71.31	17.012	886.36	0.0	0.0

```
Analysis begun on:  Thu Sep 27 07:57:52 2012
Analysis ended on:  Thu Sep 27 08:01:08 2012
Total elapsed time: 00:03:16
```

FLOW MASTER RESULTS

Attachment B.3: Flow Master Results

Worksheet for SJH-102

Project Description

Friction Method	Manning Formula
Solve For	Full Flow Capacity

Input Data

Roughness Coefficient	0.013	
Channel Slope	0.01800	ft/ft
Normal Depth	1.95	ft
Diameter	1.95	ft
Discharge	28.37	ft³/s

Results

Discharge	28.37	ft³/s
Normal Depth	1.95	ft
Flow Area	2.99	ft²
Wetted Perimeter	6.13	ft
Hydraulic Radius	0.49	ft
Top Width	0.00	ft
Critical Depth	1.82	ft
Percent Full	100.0	%
Critical Slope	0.01556	ft/ft
Velocity	9.50	ft/s
Velocity Head	1.40	ft
Specific Energy	3.35	ft
Froude Number	0.00	
Maximum Discharge	30.52	ft³/s
Discharge Full	28.37	ft³/s
Slope Full	0.01800	ft/ft
Flow Type	SubCritical	

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Average End Depth Over Rise	0.00	%

Worksheet for SJH-102

GVF Output Data

Normal Depth Over Rise	100.00	%
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	1.95	ft
Critical Depth	1.82	ft
Channel Slope	0.01800	ft/ft
Critical Slope	0.01556	ft/ft

Messages

Notes

PIPE NAMES AND OD DIAMETERS:
1. K14462-K14461= 1.5'
2. K14671-K14661= 1.25'
Equivalent Pipe area= 2.99 SF
EQUIVALENT PIPE DIA = 1.95 FT

SLOPE:= [Use channel slope of pipe with greater diameter and/or length]:
(4963.43-4962.62)/45= 0.018

Worksheet for SJ-1

Project Description

Friction Method	Manning Formula
Solve For	Full Flow Capacity

Input Data

Roughness Coefficient	0.013	
Channel Slope	0.00180	ft/ft
Normal Depth	1.73	ft
Diameter	1.73	ft
Discharge	6.52	ft³/s

Results

Discharge	6.52	ft³/s
Normal Depth	1.73	ft
Flow Area	2.35	ft²
Wetted Perimeter	5.43	ft
Hydraulic Radius	0.43	ft
Top Width	0.00	ft
Critical Depth	0.95	ft
Percent Full	100.0	%
Critical Slope	0.00535	ft/ft
Velocity	2.77	ft/s
Velocity Head	0.12	ft
Specific Energy	1.85	ft
Froude Number	0.00	
Maximum Discharge	7.01	ft³/s
Discharge Full	6.52	ft³/s
Slope Full	0.00180	ft/ft
Flow Type	SubCritical	

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Average End Depth Over Rise	0.00	%

Worksheet for SJ-1

GVF Output Data

Normal Depth Over Rise	100.00	%
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	1.73	ft
Critical Depth	0.95	ft
Channel Slope	0.00180	ft/ft
Critical Slope	0.00535	ft/ft

Messages

Notes

PIPE NAMES AND OD DIAMETERS:
1. K14551-K14661= 1'
2. K14762-K14761= 1'
3. K14451-K1446 = 1'
Equivalent area =2.36 SF
EQUIVALENT PIPE DIA. = 1.73 FT

SLOPE= [Use channel slope of pipe with greatest diameter and/or length]:
(4961.17-4960.54)/350= 0.0018

Worksheet for SJH-106

Project Description

Friction Method	Manning Formula
Solve For	Full Flow Capacity

Input Data

Roughness Coefficient	0.013	
Channel Slope	0.02200	ft/ft
Normal Depth	3.20	ft
Diameter	3.20	ft
Discharge	117.50	ft³/s

Results

Discharge	117.50	ft³/s
Normal Depth	3.20	ft
Flow Area	8.04	ft²
Wetted Perimeter	10.05	ft
Hydraulic Radius	0.80	ft
Top Width	0.00	ft
Critical Depth	3.09	ft
Percent Full	100.0	%
Critical Slope	0.01926	ft/ft
Velocity	14.61	ft/s
Velocity Head	3.32	ft
Specific Energy	6.52	ft
Froude Number	0.00	
Maximum Discharge	126.40	ft³/s
Discharge Full	117.50	ft³/s
Slope Full	0.02200	ft/ft
Flow Type	SubCritical	

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Average End Depth Over Rise	0.00	%

Worksheet for SJH-106

GVF Output Data

Normal Depth Over Rise	100.00	%
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	3.20	ft
Critical Depth	3.09	ft
Channel Slope	0.02200	ft/ft
Critical Slope	0.01926	ft/ft

Messages

Notes

PIPE NAMES AND OD DIAMETERS:
1. K14874-K14864= 2.5'
2. L14071-L14GAR= 2
Equivalent Pipe Area = 8.05 SF
EQUIVALENT PIPE DIA. = 3.20 FT

SLOPE= [Use channel slope of pipe with greatest diameter and/or length]:
(4962.45-4953.52)/400= 0.022

Worksheet for SJH-100

Project Description

Friction Method	Manning Formula
Solve For	Full Flow Capacity

Input Data

Roughness Coefficient	0.013	
Channel Slope	0.03000	ft/ft
Normal Depth	4.72	ft
Diameter	4.72	ft
Discharge	386.82	ft³/s

Results

Discharge	386.82	ft³/s
Normal Depth	4.72	ft
Flow Area	17.50	ft²
Wetted Perimeter	14.83	ft
Hydraulic Radius	1.18	ft
Top Width	0.00	ft
Critical Depth	4.65	ft
Percent Full	100.0	%
Critical Slope	0.02721	ft/ft
Velocity	22.11	ft/s
Velocity Head	7.60	ft
Specific Energy	12.32	ft
Froude Number	0.00	
Maximum Discharge	416.10	ft³/s
Discharge Full	386.82	ft³/s
Slope Full	0.03000	ft/ft
Flow Type	SubCritical	

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Average End Depth Over Rise	0.00	%

Worksheet for SJH-100

GVF Output Data

Normal Depth Over Rise	100.00	%
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	4.72	ft
Critical Depth	4.65	ft
Channel Slope	0.03000	ft/ft
Critical Slope	0.02721	ft/ft

Messages

Notes

PIPE NAMES AND OD DIAMETERS:
1. K14191-K14182= 2.5'
2. K14173-K14172 = 4.0'
Equivalent Pipe Area = 17.48 SF
EQUIVALENT PIPE DIA. = 4.72 FT

SLOPE= [Use channel slope of pipe with greatest diameter and/or length]:
(4963.53-4961.73)/60 = 0.03

Worksheet for SJH-152

Project Description

Friction Method	Manning Formula
Solve For	Full Flow Capacity

Input Data

Roughness Coefficient	0.013	
Channel Slope	0.03400	ft/ft
Normal Depth	2.96	ft
Diameter	2.96	ft
Discharge	118.65	ft^3/s

Results

Discharge	118.65	ft^3/s
Normal Depth	2.96	ft
Flow Area	6.88	ft^2
Wetted Perimeter	9.30	ft
Hydraulic Radius	0.74	ft
Top Width	0.00	ft
Critical Depth	2.91	ft
Percent Full	100.0	%
Critical Slope	0.03076	ft/ft
Velocity	17.24	ft/s
Velocity Head	4.62	ft
Specific Energy	7.58	ft
Froude Number	0.00	
Maximum Discharge	127.64	ft^3/s
Discharge Full	118.65	ft^3/s
Slope Full	0.03400	ft/ft
Flow Type	SubCritical	

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Average End Depth Over Rise	0.00	%

Worksheet for SJH-152

GVF Output Data

Normal Depth Over Rise	100.00	%
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	2.96	ft
Critical Depth	2.91	ft
Channel Slope	0.03400	ft/ft
Critical Slope	0.03076	ft/ft

Messages

Notes

PIPE NAMES AND OD DIAMETERS:
1. L14371-L14363= 2.5'
2. L14471-L14461 = 1.0'
3. L14571-L14562 = 1.25
Equivalent Pipe Area = 6.92 SF
EQUIVALENT PIPE DIA. = 2.96 FT

SLOPE= [Use channel slope of pipe with greatest diameter and/or length]:
(4974.34-4962.33)/355 = 0.034

Worksheet for SJH-150

Project Description

Friction Method	Manning Formula
Solve For	Full Flow Capacity

Input Data

Roughness Coefficient	0.013	
Channel Slope	0.01070	ft/ft
Normal Depth	3.91	ft
Diameter	3.91	ft
Discharge	139.83	ft³/s

Results

Discharge	139.83	ft³/s
Normal Depth	3.91	ft
Flow Area	12.01	ft²
Wetted Perimeter	12.28	ft
Hydraulic Radius	0.98	ft
Top Width	0.00	ft
Critical Depth	3.50	ft
Percent Full	100.0	%
Critical Slope	0.00946	ft/ft
Velocity	11.65	ft/s
Velocity Head	2.11	ft
Specific Energy	6.02	ft
Froude Number	0.00	
Maximum Discharge	150.42	ft³/s
Discharge Full	139.83	ft³/s
Slope Full	0.01070	ft/ft
Flow Type	SubCritical	

GVF Input Data

Downstream Depth	0.00	ft
Length	0.00	ft
Number Of Steps	0	

GVF Output Data

Upstream Depth	0.00	ft
Profile Description		
Profile Headloss	0.00	ft
Average End Depth Over Rise	0.00	%

Worksheet for SJH-150

GVF Output Data

Normal Depth Over Rise	100.00	%
Downstream Velocity	Infinity	ft/s
Upstream Velocity	Infinity	ft/s
Normal Depth	3.91	ft
Critical Depth	3.50	ft
Channel Slope	0.01070	ft/ft
Critical Slope	0.00946	ft/ft

Messages

Notes

PIPE NAMES AND OD DIAMETERS:
1. 3.0'
2. 2.5'
Equivalent Pipe Area = 11.98 SF
EQUIVALENT PIPE DIA. = 3.91 FT

SLOPE= [Use channel slope of pipe with greatest diameter and/or length]:
(4962.05-4958.25)/355 = 0.0107