DRAINAGE MASTER PLAN

City of Lemon Grove

February 2020



RICK
ENGINEERING COMPANY

City of Lemon Grove
Drainage Master Plan

February 12, 2020

Presented To

City of Lemon Grove Public
Works Department
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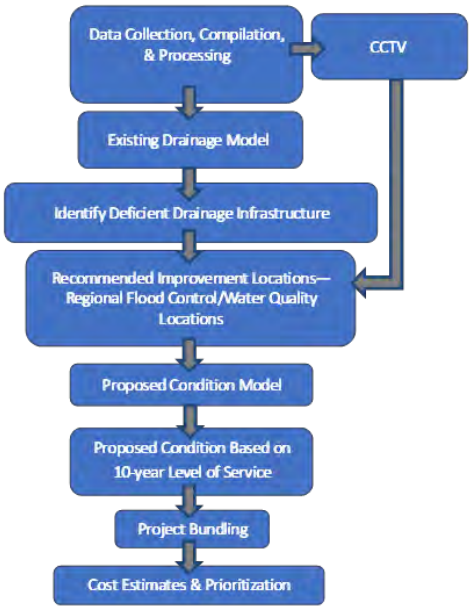
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Executive Summary

Background

This Drainage Master Plan (DMP) significantly advances the City of Lemon Grove's (City) storm water management goals by analyzing existing storm water conveyance system deficiencies, completing a condition assessment of the CMP storm drains throughout the City, and providing prioritized drainage improvement recommendations for use in the City's planning and Capital Improvement Program (CIP). The flowchart to the right displays the logical progression that was developed and followed for this DMP.



Existing and Proposed Model Results

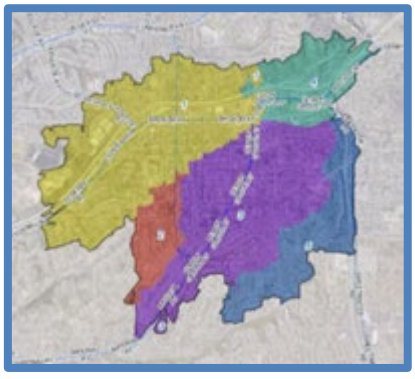
The City's GIS storm water inventory was compiled, corrected, and populated with critical modeling attributes, ensuring a horizontally and vertically connected system from inlets to the City outfalls. The corrected inventory was then developed into a high resolution 1D/2D integrated H&H PCSWMM model and run using the 2-, 10-, and 100-year storm events. Providing surface and subsurface drainage patterns, flowrates, deficiencies, and ultimately proposed project recommendations. The results of the existing and proposed models as they relate to linear feet of deficient pipes are displayed below showing a substantial reduction in deficiencies.

Conduits: (LF)	2-Year Capacity				10-Year Capacity				100-Year Capacity			
	<100	100-150	150-200	>200	<100	100-150	150-200	>200	<100	100-150	150-200	>200
Existing Conditions	27,614	9,569	2,847	2,190	18,524	15,833	4,378	3,485	13,753	19,081	4,653	4,732
Proposed Conditions	42,300	1,242	495	180	35,683	7,295	564	675	24,872	16,900	1,255	1,190
Flood Reduction Benefit	14,686	8,327	2,352	2,010	17,159	8,538	3,814	2,810	11,119	2,181	3,398	3,542
% Change	53%	87%	83%	92%	93%	54%	87%	81%	81%	11%	73%	75%

Improvement Costs and Prioritization

Closed-circuit television (CCTV) field surveying was completed for the corrugated metal pipe (CMP) portion of the inventory and graded with deficiency classifications from "minor" to "most severe". The proposed improvements were grouped into forty-two (42) projects and a prioritization matrix was developed to rank the projects based on the CCTV and modeling results. The top five (5) projects with the largest cost benefit ratio are also broken out and defined within this report.

Conclusion



This DMP successfully utilized high-resolution data with an integrated 1D/2D PCSWMM modeling approach to determine existing deficiencies and identify recommended improvements for drainage infrastructure, providing the City of Lemon Grove with the tools necessary to inform a storm water CIP program. The forty-two (42) recommended projects varying in cost from $25,343 to $10,026,194 with a combined cost of approximately $78,183,649, provide the above storm drain capacity benefits and reduced the total volume of surface ponding from 87.14 acre-feet to 66.43 acre-feet in the 10-year storm event. This study also provides ten (10) potential regional locations for future water quality BMPs, chosen based on the surrounding space and the contributing area. This DMP summarizes the methodologies and results of the study and presents them within the user-friendly GIS based Web-Application (https://maps.rickengineering.com/lgdmp/).

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Acronyms/Abbreviations

Acronym/Abbreviation	Definition
BMP	best management practice
cfs	cubic feet per second
DEM	digital elevation model
DMP	drainage master plan
ft	foot, feet
GIS	geographic information system
H&H	hydrology and hydraulics
LF	linear foot, linear feet
LiDAR	Light Detection and Ranging
LOS	level of service
NOAA	National Oceanic and Atmospheric Administration
NWP	nationwide permits
RCB	reinforced concrete box
RCP	reinforced concrete pipe
ROW	right-of-way
SANDAG	San Diego Association of Governments
SanGIS	San Diego Geographic Information Source
sq. mi.	square miles
SSURGO	Soil Survey Geographic Database
SWMM	Storm Water Management Model
TMDL	total maximum daily load

Limitations:

The City of Lemon Grove Drainage Master Plan is a comprehensive plan for existing drainage needs within the City of Lemon Grove. This report has been prepared for master planning purposes only, as a guide for engineers, planners, developers, and City staff. Detailed engineering calculations and investigations should be prepared for the implementation of any of the facilities outlined in this study. In addition, coordination with adjacent municipalities or state agencies may be required to coordinate drainage improvement efforts that cross jurisdictional boundaries.

1.0 Introduction

The *Drainage Master Plan* (DMP) has been prepared for the City of Lemon Grove (City) to significantly advance the City's storm water management goals by analyzing existing storm water conveyance system deficiencies along with a condition assessment of the CMP storm drains throughout the City in order to inform future decisions pertaining to public storm drain infrastructure improvements. The City is responsible for managing the public storm drain system within the City limits, and ensuring that an adequate level of service is provided to protect the public from excessive surface flooding conditions. To this end, the need for a comprehensive and high-resolution hydrologic and hydraulic (H&H) analysis to evaluate the existing storm water conveyance system level of service citywide was identified. The City has undergone multiple studies to address the known "hot spots" of the City. The intent of this project is to build off of these past efforts and provide a holistic understanding of the City's storm water infrastructure allowing the City to prioritize their efforts.

The City of Lemon Grove study area limit is approximately 3.9 square miles in area. However, the entire watershed area tributary to the City of Lemon Grove study area covers approximately 5.5 square miles due to areas draining into and out of the City from the City of San Diego, City of La Mesa, and Spring Valley, a community of unincorporated area in San Diego County. Most of the City is within the Chollas Sub-basin draining to the West through South Las Chollas Creek, Radio Drive Branch, Encanto Branch, and Jamacha Branch going from the north of the City to the South, respectively. The remaining portion to the east of the City drains to the east to the La Nacion Sub-basin through Brookside Branch and Spring Valley Creek from north to south respectively. Figure 1-1 and the following paragraph provide an overview of the DMP components and the overall process that was developed for this project.

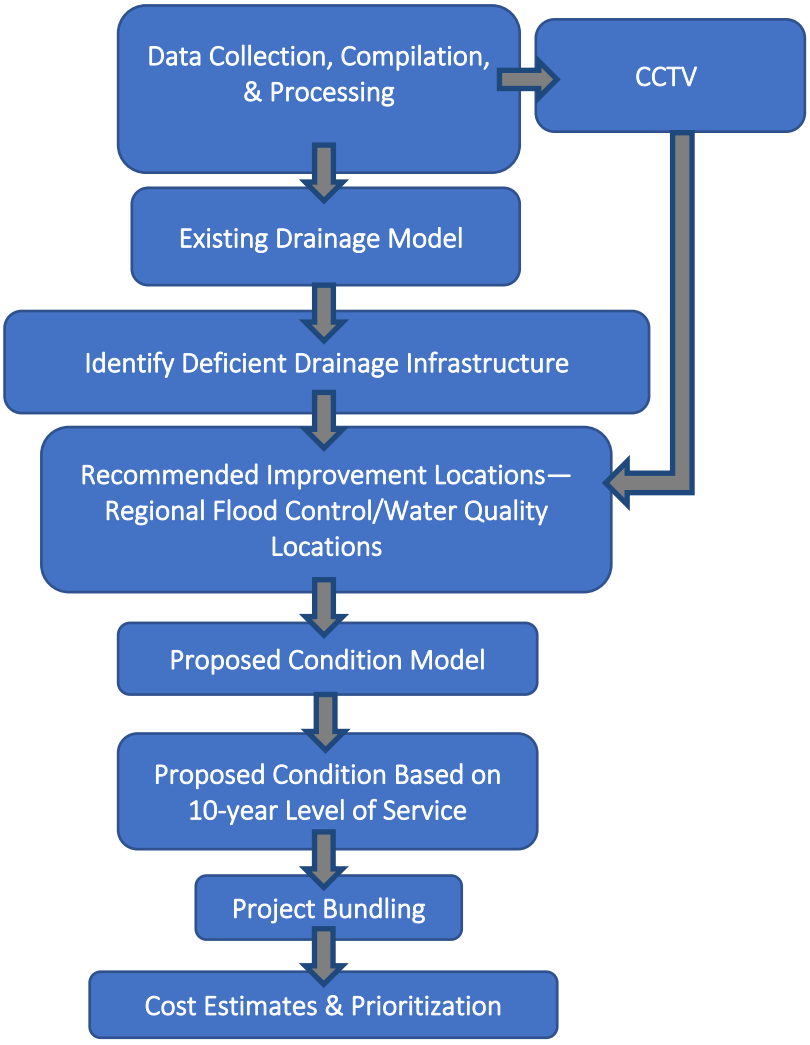
The first, and arguably most critical, component in the DMP framework is the data collection regarding the existing storm drain infrastructure and drainage conditions, including corrections to a Geographic Information System (GIS) inventory of structure and conveyance features within the study area. The second process in the DMP framework is modeling the existing drainage condition to establish a baseline and identify existing drainage issues within the study area. Results from the analysis of existing drainage conditions can then be used to review locations with problematic drainage patterns and assist in informing solutions including potential areas for detention or water quality projects. The third process includes incorporating the proposed drainage recommendations into the baseline drainage model creating the ultimate condition proposed condition model. The final process is grouping proposed improvements into bundled projects.

A total of forty-two (42) bundled projects were identified as a part of the DMP. These projects were then prioritized based on a prioritization matrix that assesses the length, CCTV rating, and severity of existing capacity among other variables and costs. The total cost for the forty-two (42) projects is $78,183,649 and they will remove 121 inundated structures from the 10-year storm event. The top five (5) projects based on

the prioritization that was established provide much needed backbone infrastructure along the Federal Boulevard system and have an estimated cost of $15,459,541 and remove 42 inundated structures from the 10-year storm event.

The DMP along with the associated GIS data set, web tool, and spreadsheets will provide a highly detailed drainage improvement plan that will allow the City to easily assess and implement improvements for the area's current flooding issues. This DMP summarizes the recommendations and presents them within the City of Lemon Grove Drainage Master Plan Web Mapping Application (https://maps.rickengineering.com/lgdmp/).

Figure 1-1: DMP Framework



1.1 Regulatory Framework

When evaluating potential infrastructure improvements, the City must be responsive to a number of regulatory drivers that apply to drainage, storm water infrastructure management, and water quality specific to each storm drain outfall system. These regulatory drivers are typically focused on addressing one particular storm water-related component, each with different compliance metrics, timelines, and monitoring requirements. Understanding the nuances inherent in meeting the overall regulatory framework in the watershed was a critical component in developing the DMP and is summarized in the sections below.

1.1.1 Drainage Infrastructure Requirements

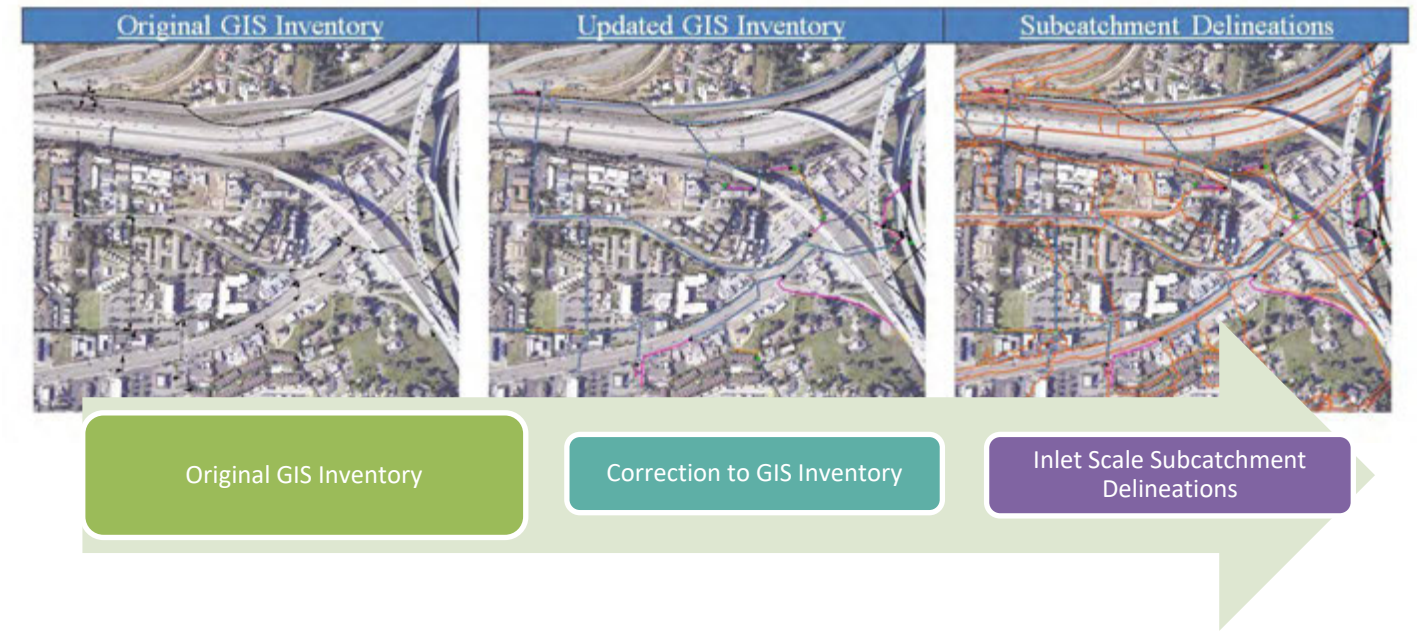
The County of San Diego maintains certain regulatory standards for storm water improvements as stipulated in the *San Diego County Hydraulic Design Manual*, dated September 2014. The governing design storm typically used as the basis for drainage recommendations is the 100-year storm event, which is consistent with the requirements per the 2014 *San Diego County Hydraulic Design Manual*. One of this study's objectives was to assess the existing drainage infrastructure to determine the current Level of Service (LOS) relative to the County's policies for drainage design. Based on the results of the existing condition models and conversations with City staff, a more frequently returning 10-year storm event was selected as the desired LOS for the recommendations of this study. The proposed improvements provide an improved system compared to the existing condition with the goal to have capacity in the pipes contain the more frequent 10-year storm event that routinely affects residents. In addition to not being economically feasible, if the system was upsized to contain the 100-year storm event flow, the downstream receiving waters would be negatively affected at every culvert, and crossing. Additionally, based on the 2014 *San Diego County Hydraulic Design Manual,* the storm water conveyance system shall be designed so that the combination of storm drain system capacity and overflow (streets and gutter) will be able to carry the 100-year frequency storm. Therefore, this DMP modeled the 10-year storm events to assess LOS as well as analyzed the 100-year to assess street conveyance.

2.0 High Resolution Geospatial Data

A high resolution geospatial dataset is essential to perform detailed hydrologic and hydraulic drainage and water quality analyses. Geospatial data necessary for these modeling efforts include: an accurate topographic representation of the study area, ground cover/land use information, and existing storm drain inventory. While evaluating the data initially collected, it was determined that certain data components (such as the storm drain inventory junction points and line work) did not accurately reflect the field conditions and/or did not align spatially when compared against the aerial imagery of the study area. An effort to correct and compile the data from various sources into one comprehensive dataset was undertaken. Of particular focus during this effort was to ensure a correct spatial representation of the storm drain infrastructure, and collect any missing information. A revised dataset will also be useful for any future projects that the City or other consultants undertake within the study area.

Figure 2-1 displays a snapshot of the changes that were made to the GIS inventory, which demonstrates the amount of new information that was compiled in a representative portion of the study area.

Figure 2-1: Snapshot of New Storm Drain Information Added to GIS Inventory



The following sections of this report describe the geospatial data received, the process of correcting and compiling certain data sets, and the resultant data from the correction process.

This section presents:

- Raw data layers received and sources (Section 2.1)
- Data adjustment and correction process (Section 2.2)
- Summary of the revised dataset (Section 2.3)

2.1 Raw Geospatial Data

Rick Engineering Company (RICK) used several data sets in addition to the original data from the City for this DMP. All utilized data sets are summarized in Table 2-1 with their associated version dates.

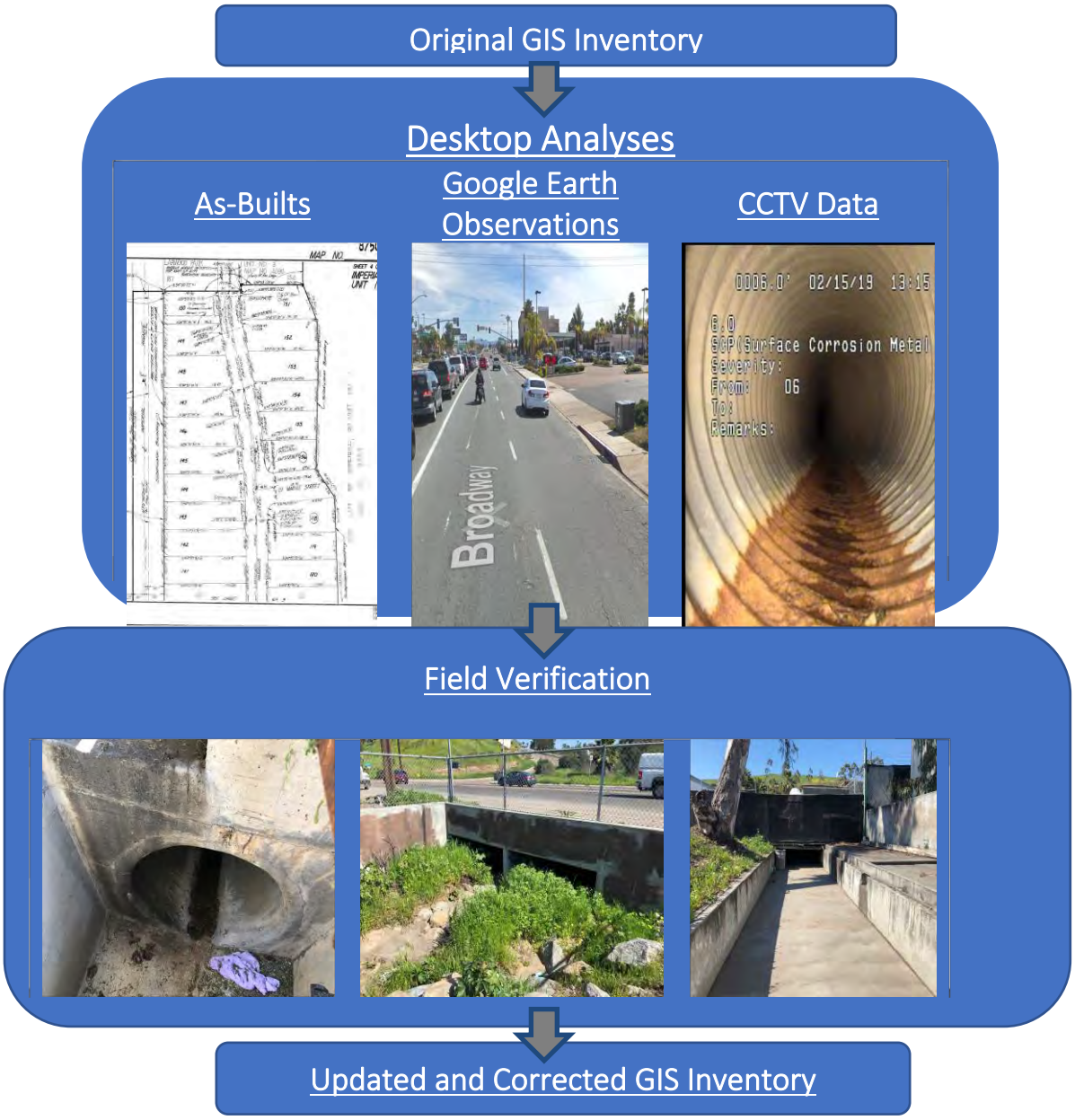
Table 2-1: Geospatial Data Inventory

Data Layer	Version Date	Source (Agency)
LiDAR	2014	SanGIS, SANDAG, NGA, LECC, Regional Public Safety GIS, 18 Incorporated Cities
Aerial Imagery	2017	County of San Diego
Topography	2014	SANGIS
Storm Drain Network Files (Drain Conveyance, Drain Structures)	September 7, 2018	City of Lemon Grove, SanGIS, SANDAG
Land Use	January 1, 2017	SanGIS, SANDAG
Hydrologic Soil Groups (SSURGO)	November 11, 2013	Natural Resources Conservation Service
Parcel Layer	February 15, 2018	SanGIS, SANDAG, Assessor/Recorder/County Clerk
Floodplain Layers	April 7, 2016	Federal Emergency Management Agency
Municipal Boundaries	July 25, 2011	SanGIS, SANDAG

2.2 Corrections to GIS Inventory

Corrections to the GIS storm drain inventory were required to model the existing conditions of the City of Lemon Grove. The completeness of storm drain inventory data was critical in ensuring the effectiveness and practicality of subsequent modeling analyses. RICK was tasked with updating the City's storm drain inventory to more accurately reflect the current existing condition of the study area. For the purposes of preparing a DMP, the storm drain data necessary for this study consists of the horizontal layout of the existing storm drain system, size and material of conduits, and flowline elevations (if feasible). As displayed in Figure 2-2, storm drain inventory revisions were conducted in a two-step process; (1) desktop analyses and (2) field verification.

Figure 2-2: Corrections to GIS Inventory Flowchart



2.2.1 Desktop Analyses

Desktop analyses involved updating the storm drain structures and conveyance information in the City's existing GIS dataset based on previous survey data, as-built drawings, aerial imagery, CCTV data, and Google Earth observations. The horizontal location of drainage structures in the inventory was corrected to match the aerial imagery. RICK utilized survey data from previous projects to assist in assigning invert elevations to drainage structures. For structures in which depth measurements were not accessible on site and survey or as-built drawing data was not available, engineering judgment was used to assign an invert elevation based on upstream

and downstream drainage connections. A Digital Elevation Model (DEM) was utilized to update rim elevations for drainage structures not previously identified in the received data. Google Earth and Street View were used to update the location and type of each inlet and drainage structure.

2.2.2 Field Verification

Several field visits were conducted as part of the DMP effort to supplement the desktop analyses in correcting the GIS inventory. These assessments included storm drain system inventory verification to assess the status of assets including inlet locations and sizes, storm drain diameters and materials, structure depths, connectivity, and drainage patterns.

Figure 2-3: CMP conduit in the northern portion of Lemon Grove (Left).
Spillway in the northern portion of Lemon Grove (Right).





2.3 Revised Geospatial Data

The main objective of the GIS storm drain data revisions was to ensure that a complete and accurate representation of the existing drainage system was reflected on the GIS shapefiles. The revisions incorporated into the GIS shapefiles were provided back to the City for use outside of this DMP.

Table 2-2 provides a summary of the changes to the original storm drain inventory received from the City of Lemon Grove. The existing inventory was updated for storm drains that were larger than 36 inches in diameter

(or considered part of the primary backbone system). The inventory was also updated to add missing drainage structures such as inlets, pipe segments, cleanouts, and outlets. Facilities were updated through referencing survey and as-built data as well as through Google Earth and Google Street observations conducted via desktop analysis. Certain facilities were flagged to be checked in person and those facilities were assessed via site visits that were conducted over the course of about three (3) days. As shown, multiple structures and conveyance segments were added to the inventory via this process.

Table 2-2: Data Source of Drainage Asset Properties

	Desktop Analyses				Field Verification
	Surveying Data	As-built Data	DEM	Google Earth/Street View Observations	
Structures					
Location	X	X		X	X
Type of Structures	X	X		X	X
Rim Elevation	X	X	X		X
Invert Elevation	X	X	X		X
Depth			X		X
Conveyance					
Location / Orientation	X	X		X	X
Type of Conveyance	X	X		X	X
Material	X	X			X
Diameter	X	X			X
Pipe Offsets					X

Below, Table 2-3, provides a summary of the changes to the original storm drain inventory received from the City.

Table 2-3: Summary of Original and Existing (revised) Storm Drain Inventory

Asset Type	Original Data Set Provided	Existing Condition Revised Data	Change in Features	Percent Change
Structure				
Fitting	7	0	-7	-100%
Inlet	703	782	79	11%
Manhole	85	103	18	21%
Clean out	14	44	30	214%
Discharge	173	18	-155	-90%
Channel confluence	0	77	77	100%
Conduit connection[1]	0	90	90	100%
Downstream headwall	0	152	152	100%
Flowline connection	0	21	21	100%
Headwall	0	112	112	100%
Not present	0	1	1	100%
Outlet	0	21	21	100%
Outlet, D-25	0	57	57	100%
Spillway	0	31	31	100%
Unimproved	0	37	37	100%
Total	982	1546	564	57%
Conveyance				
Culvert	3	0	-3	-100%
Ditch	51	89	38	75%
Drainage facility	698	1058	360	52%
Earthen channel	46	57	11	24%
Earthen ditch	13	13	0	0%
Open channel	52	131	79	152%
Surface flow/flowline	0	193	193	100%
swGravity Main	860	0	-860	-100%
Total	1723	1541	-182	-11%

1. A conduit connection can be categorized as a structure that connects two (2) or more conduits but was not verified in the field.

In order to better define the inventory, the conveyance and structure facilities were reclassified into subcategories that are more informative for future needs while keeping the integrity of the existing inventory. While the number of assets may have reduced, the overall value of the data has increased and become more robust.

3.0 Drainage Assessment

Drainage assessment was accomplished using an integrated 1-D/2-D hydrologic and hydraulic (H&H) model that combines surface and sub-surface drainage patterns within the study area. One of the most beneficial aspects of integrated 1-D/2-D modeling is the ability to render high-resolution surface inundation and storage of storm water flow for the duration of a design storm. An existing condition model was prepared, which presented a high resolution visual rendering of the combined surface and sub-surface drainage patterns within the study area. For the purposes of this study, the 100-year storm event was used to evaluate the storm drain infrastructure to inform infrastructure improvements. Other storm events (2-year and 10-year) were also modeled in order to understand the performance of the drainage conveyance system during storms with a higher probability of occurrence.

The existing condition H&H model highlighted several areas where the existing drainage infrastructure (i.e., inlets, storm drains, and surface street conveyance) is considered deficient in terms of storm water conveyance during a 100-year storm event. These deficiencies include locations with storm water ponding above the curb and extending onto the sidewalk and into private property.

The 2-D component of the analysis allowed for the evaluation of the benefit provided to surface conveyance capacity after the addition of storm drain infrastructure (i.e. to quantify the benefit of proposed drainage improvements). A reasonable objective for future drainage improvements is to reduce flood depths in the ROW to 6 inches or less, (i.e., flood depths would be less than the standard curb height per San Diego Regional Standard Drawings – 2018 and storm water conveyance would be contained within the ROW). Additional information regarding the specific drainage H&H methodology used in this study can be found in a memo located in Appendix A.

This section presents the following:

- Overview of the existing drainage patterns (Section 3.1)
- Model Setup Methodology (Section 133.2.1)
- Modeling Results (Section 3.2.2)

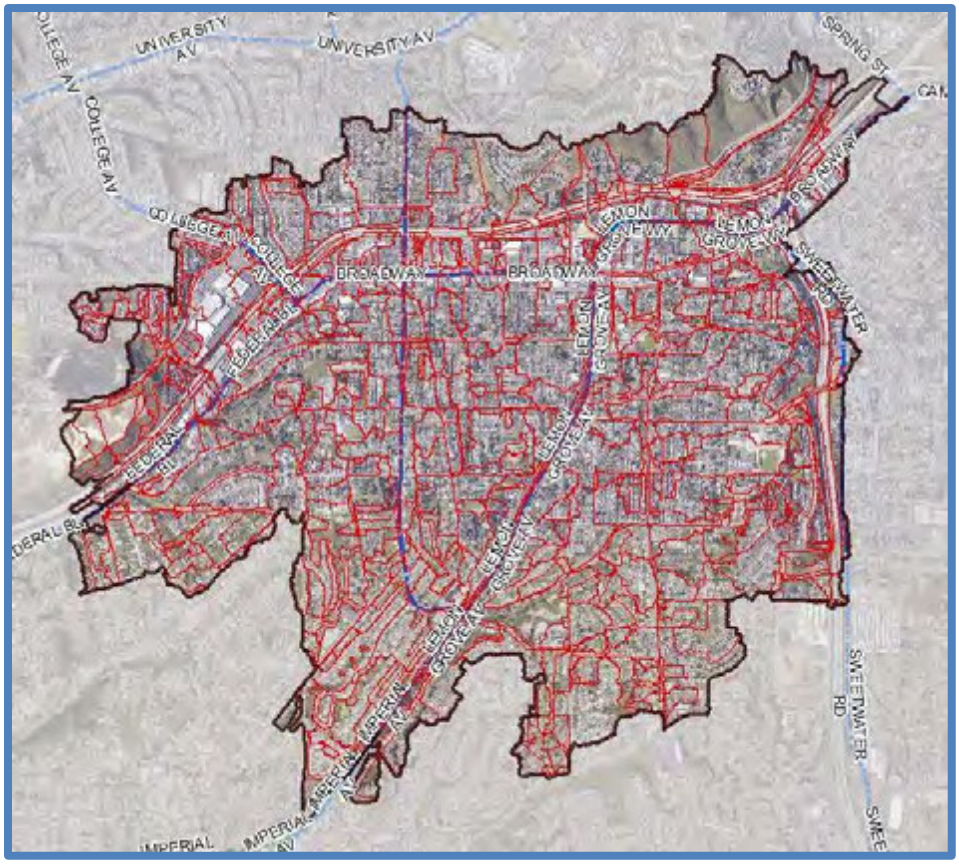
3.1 Drainage Patterns

The total drainage area in the study is approximately 3,508 acres and drains in a southwesterly direction. The topography of the city is characterized by relatively flat to mild slopes in developed areas, and steeper slopes on the edge of the city boundary and the valleys formed primarily around Lemon Grove Avenue and Federal Boulevard. The drainage infrastructure is a combination of pipes and culverts that are more prevalent along main and highly utilized streets such as Broadway and Lemon Grove Avenue, and open channels and ditches that are present more in the residential areas.

3.1.1 Subcatchment Delineations

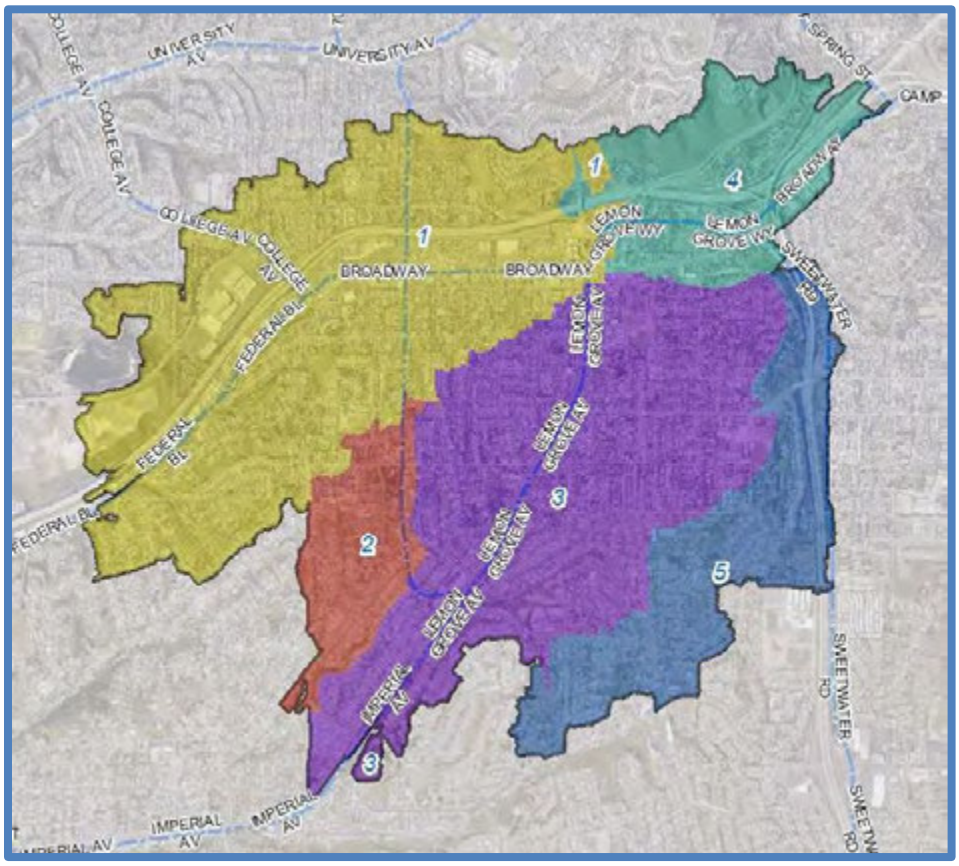
RICK utilized semi-automated delineation tools in GIS to create initial delineations of subcatchments and flow paths for each inlet. After the initial delineation, RICK modified the subcatchment areas during the QA/QC process and ended with 861 subcatchments, as seen in Figure 3-1. Due to the high resolution of the topographic data, the GIS delineation tools were able to identify flow paths along curbed roadways, through backyards, and across driveways, establishing an effective baseline for subcatchment delineations.

Figure 3-1: Drainage Areas of Existing Condition



These subcatchments were then combined to create five (5) overall subwatershed systems labeled 1-5 based on their location west to east. These systems, as seen in Figure 3-2, can be identified by their major road or drainage path. System 1 contains Broadway and Federal Boulevard, System 2 contains Massachusetts Avenue, System 3 contains Lemon Grove Avenue, System 4 contains part of Broadway and Sweetwater Road, and System 5 contains some of Sweetwater Road and consists of the rest of the drainage areas that do not drain to Systems 1-4. Systems 1-3 have their own unique drainage outlets; all of their respective subcatchments confluence to one (1) outfall. System 4 has two (2) outfalls. System 5 is made of a collection of drainage conveyance systems whose subcatchments do not share an outfall. System 5 consists of the remaining conveyance facilities not included in the other four (4) subwatershed drainage areas.

Figure 3-2: Major Subwatershed Drainage Areas



3.1.2 Surface Conveyance

An important component of the storm water conveyance system in the Lemon Grove study area is the multitude of channels and ditches connecting the conveyance behind and around buildings. There are a few open channels of note in the study area. These main channels run behind buildings, adjacent to railroad tracks, and are main portions of the backbone drainage system in their respective drainage area system. System 1 has large channels

behind the commercial buildings on Federal Boulevard. System 3 has large channels next to the railroad tracks on Lemon Grove Avenue. The 2-D mesh provided a way to visualize the surface conveyance.

Some of these open channels are smaller than the resolution of the 2-D mesh and proved to be a challenge to represent in a 2-D model. In order to properly analyze the geometry and conveyance of these open channels, they were modeled as 1-D conduits with a 2-D mesh overlay. Larger channels that could be defined solely by the DEM were modeled just with 2-D mesh.

Refer to the existing condition maps located in Appendix A for a visual overview of the surface conveyance conditions modeled.

3.2 Existing Condition

3.2.1 Existing Condition Model Methodology

The corrected GIS storm drain inventory discussed in section 2.0 was imported into PCSWMM and formed the basis of the 1-D conveyance portion of the study area model. Storm drain networks were visually inspected horizontally with reference to aerial imagery and vertically by viewing the storm drain profiles generated within the program to verify the suitability of the data.

The DEM was used to develop a 2-D model surface to represent storm water flows in streets, alleys, open channels, and open space areas. A directional 2-D mesh was applied in these areas to represent the preferential direction of flow. This surface was coupled to the 1-D storm drain inventory to match the rim elevations at points of connection to the storm drain conveyance system.

The computer modeling approach utilized has the capability to quantify the shallow surface attenuation (aka – detention) occurring in the right-of-way (ROW) and its effect to the peak flows entering the storm drain system (peak flow rates entering the system may be attenuated, which may reduce the size of required improvements).

Table 3-1 below shows a breakdown of the storm drain pipes analyzed in the existing condition model.

Table 3-1: Existing Conditions Storm Drain Pipe Diameters and Lengths Modeled

Diameter (in)	Length (ft)	Pipe and Culvert Count	%
4	614	2	0.5%
6	984	5	0.7%
8	667	4	0.5%
10	73	1	0.1%
11	62	1	0%
12	4,683	58	3.6%
15	2,147	21	1.6%
18	33,514	329	25.5%
20	425	2	0.3%
21	754	5	0.6%
24	30,791	246	23.5%
27	178	3	0.1%
30	17,432	95	13.3%
33	1,378	4	1.1%
36	15,748	82	12.0%
39	98	1	0.1%
42	5,117	22	3.9%
48	6,039	46	4.6%
54	757	5	0.6%
57	735	6	0.6%
60	2,835	12	2.2%
66	292	2	0.2%
72	4,447	20	3.4%
78	1,484	5	1.1%
Total	131,254	977	100%

See Appendix A for a summary of the hydrologic results of the single-storm model simulations at each storm drain outfall modeled within the study area.

3.2.2 Existing Condition Results

Modeling results highlighted deficiencies in the LOS of the conveyance system within the study area. This is most obvious in the storm drain networks located at Federal Boulevard, Broadway, Broadway and Sweetwater, Lemon Grove Avenue, and Madera Street, where a significant length of storm drain pipes identified in the inventory did not demonstrate capacity to convey the 100-year storm event. While reviewing the City's as-builts, it was observed that much of the storm drain conveyance currently in place was designed in the 1960's and 1970's. It is believed that those areas were not designed for the LOS currently required within the City of San Diego drainage design standards.

Model results were obtained for the 24-hour storms at the 2-, 10-, and 100-year return period from the precipitation data obtained from NOAA Atlas 14 Precipitation Frequency Data Server (PFDS) as discussed in the memo located in Appendix A of this report. The 24-hour storm events were judged to be the most pertinent storm events due to the volume of runoff generated and the peak flows generated at the main outfall of each storm drain system.

Modeling results highlighted deficiencies in the level of service (LOS) of the conveyance system within the study area and full results can be found in Appendix F.

During the 100-year storm about 38% of the conveyance distance is below or at capacity. Table 3-2 provides an overview of the results observed in the 2-, 10-, and 100-year, 24-hour storm events compared to the surcharging conduits of the storm drain network.

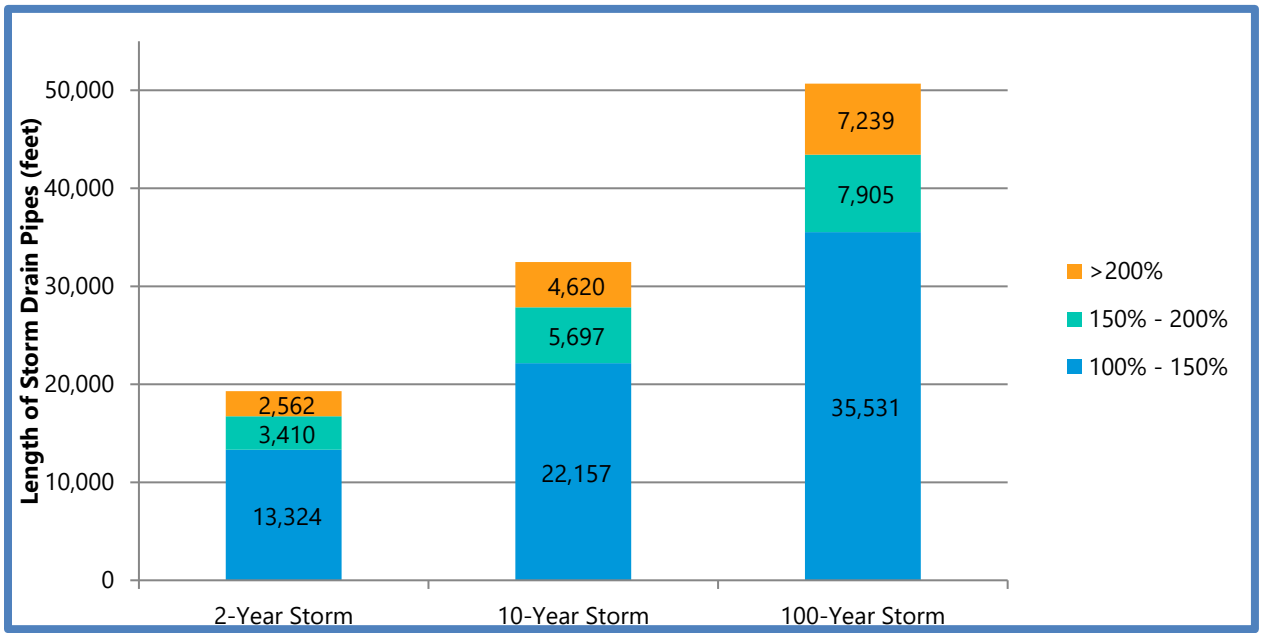
Figure 3-3 depicts the lengths and number of pipes in each conveyance capacity category over 100%.

Table 3-2: Existing Condition Storm Drain Conveyance Capacity Summary

Conveyance Capacity (%)[1]	2-Year Storm	10-Year Storm	100-Year Storm
	Pipe Length (feet)	Pipe Length (feet)	Pipe Length (feet)
< 100	111,813	98,635	80,580
100 - 150	13,324	22,157	35,385
150 - 200	3,410	5,697	7,905
> 200	2,562	4,620	7,239
Total	131,109	131,109	131,109

1. Conveyance capacity is the max full flow in the pipe compared to the maximum flow the pipe is designed to convey.

Figure 3-3: Existing Condition Storm Drain Conveyance Capacity



Undersized storm drain facilities caused a significant amount of storm water to pond on the street surfaces. In many locations water ponds in excess of one (1) foot on the surface at the low points. Table 3-3 provides a summary overview of the peak storm water stored on the 2-D surface and the overall corresponding ponding depth. The structures experiencing the various flood depths are counted alongside their respective depths.

Table 3-3: Existing Condition 2-D Cell Peak Storage Volume 24-HR Storm Events

Ponding Depth (inches)	2-Year Storm		10-Year Storm		100-Year Storm	
	Volume (Ac.-Ft.)	Structures (#)	Volume (Ac.-Ft.)	Structures (#)	Volume (Ac.-Ft.)	Structures (#)
0 - 6	11.42	293	43.85	409	21.99	499
6 - 12	9.83	59	13.44	89	22.34	181
> 12	34.85	61	29.84	94	105.34	139
Total	56.10	413	87.14	592	149.67	819

Refer to the existing condition maps located in Appendix C for a visual representation of the depths and limits of surface inundation within the study area. Table 3-4 presents a summary table of peak flow rate results at the storm drain outfall locations obtained from the modeling efforts.

Table 3-4: Existing Condition Storm Drain Outfall Summary

System ID	Drainage Area (ac.)	Peak Flow Rates (cfs) 2-YR	10-YR	100-YR
1	1317.2	563.2	967.2	1724.3
2	245.4	132.08	196.5	353.6
3	1120.3	523.5	912	1604
4	600.2	345.4	551	1021.6
5	457.6	357.9	614.6	987.8

3.3 Proposed Condition

3.3.1 Proposed Condition Model Methodology

Results from the existing condition models were evaluated in several aspects to determine an effective balanced approach to decrease the amount of surface ponding, and increase storm drain pipe capacities in the study area. The September 2014 *San Diego County Hydraulic Design Manual* states that storm drains in conjunction with surface drainage are to be designed to convey the 100-year storm. However, based on the severity of the deficiencies in the existing condition drainage infrastructure and subsequent conversations with City staff, it was decided that recommendations for the deficient infrastructure would target a 10-year level of service.

The objective of the recommended improvements aimed to reduce inundated structures during the 10-year storm event by improving storm drain pipes in the same drainage basin. The recommended pipe improvements were then bundled into CIP scale projects, providing drainage solutions for the area's most prone to drainage issues in the existing condition. The CIP projects provide city officials with the ability to streamline the drainage improvement process by providing a graphical representation of drainage needs throughout the City to be referenced during future projects of all types, thus allowing for the strategic bundling of multi-objective projects to reduce overall cost to the City and decrease the amount of time residents are impacted by construction

improvements that could be completed to collectively improve the surrounding area. The bundled projects provide city officials with a list of storm drain pipes that can be improved concurrently, decreasing the amount of time the street is impacted by construction.

Inundated structures were utilized as indicators of deficient drainage infrastructure and deficient facilities most likely resulting in the inundated structures were flagged for improvement. The combined peak flow from the surface and sub-surface conveyance model were used to size the deficient infrastructure. The improvements had to be recommended around several constraints; new alignments were not part of the process in this study, so the improvements had to stay within the existing alignments. Additionally, channels and ditches were not

recommended for improvements. With all these constraints the improvements for this study were recommended to the maximum extent practicable. Recommendations also included proposed improvements from other projects. These previous studies prepared by Rick Engineering included the August 17, 2014 "City of Lemon Grove Storm Drain Assessment of Existing Corrugated Metal Pipe (CMP) Facilities" and the July 6, 2018 "Flood Control Feasibility Analysis Report Along Federal Boulevard, Between Central Avenue and San Miguel Avenue in Lemon Grove, California."

In order to determine when additional barrels would be added in lieu of simply upsizing of the existing storm drain network, the following was considered during the evaluation process. If the proposed storm drain size was too large when proposed in conjunction with the existing invert elevations and resulted in an exposed storm pipe, additional barrels with smaller pipe diameters were recommended instead.

The proposed condition also considered the results of the CMP closed-circuit television (CCTV). Pipes that had a rating over zero (0) were replaced with RCP and any pipes upstream and downstream were also considered as candidates to be replaced. In some cases, the material of the pipe needed to be changed but the size did not in order to pass the 10-year flow.

3.3.2 Proposed Condition Results

The goal of this study was to compile and identify areas most frequently prone to flooding in order to alleviate the flooding of structures and major roadway corridors to the extent feasible through storm drain improvements. The method of improving drainage conditions throughout the City was to replace existing infrastructure, in place, with infrastructure that has the capacity to convey the selected LOS. In order to provide feasible improvements, the recommended infrastructure is to be replaced in the current alignment to reduce the probability of conflicts with other utilities during realignment. The alignments of the infrastructure can be adjusted during final design if necessary or desired. The recommended storm drain systems were sized accounting for the total flow getting to the pipe through both surface and subsurface conveyance. The decided upon Level of Service (LOS) for this study was for the storm drains to convey the 10-year event and for the combined storm drain and road way to convey larger events where feasible. The recommended improvements outlined in this study provide a significant LOS increase throughout the City and reduce the number of structures affected by stormwater inundation.

From these considerations, of the modeled 991 pipes, 277 were recommended to be upsized or replaced with RCP.

The 2-, 10-, and 100-year storm events were analyzed and Table 3-5 presents a summary overview of the impact that the replacement of storm drain infrastructure had on the entire storm drain pipe conveyance system

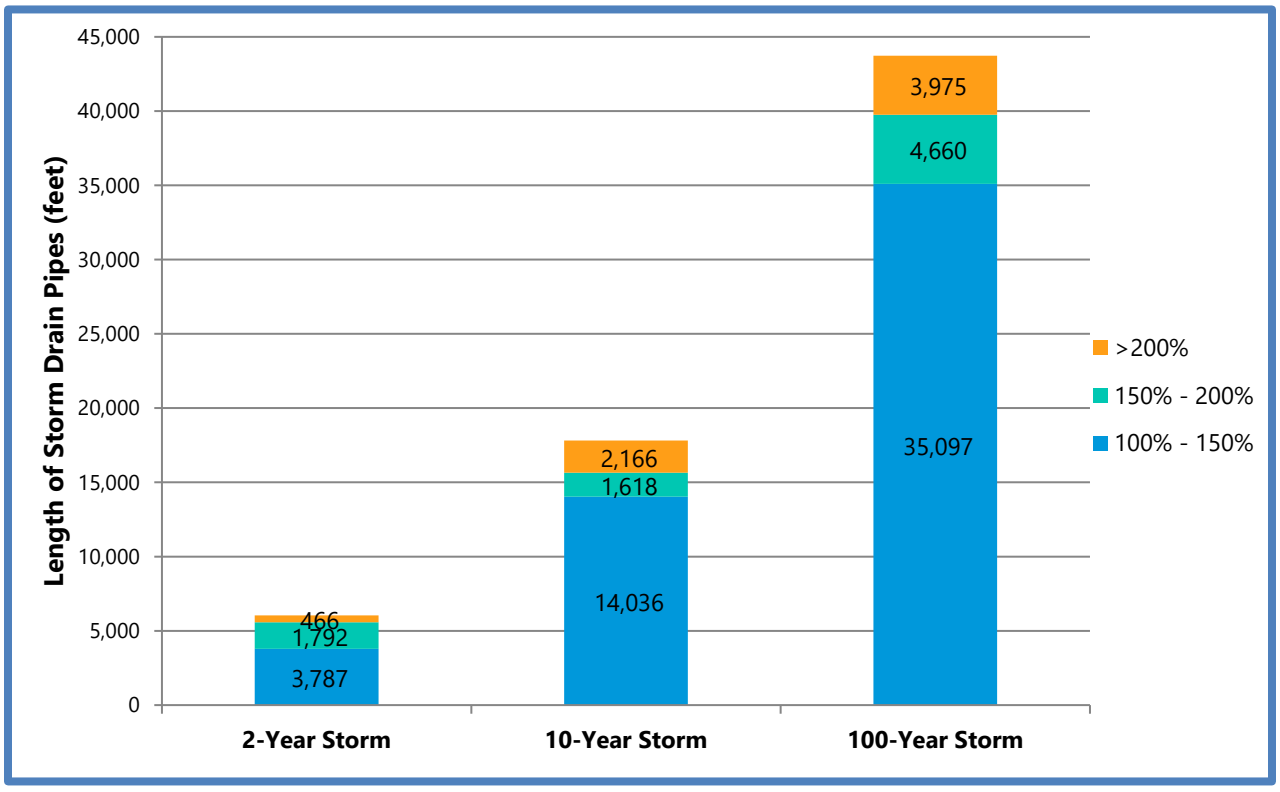
modeled in the proposed condition. Table 3-5 depicts the lengths and number of pipes in each conveyance capacity category over 100%.

Table 3-5: Proposed Condition Storm Drain Conveyance Capacity Summary

Conveyance Capacity (%)[1]	2-Year Storm	10-Year Storm	100-Year Storm
	Pipe Length (feet)	Pipe Length (feet)	Pipe Length (feet)
< 100	126,941	115,166	89,255
100 - 150	3,787	14,036	35,097
150 - 200	1,792	1,618	4,660
> 200	466	2,166	3,975
Total	132,986	132,986	132,986

1. Conveyance capacity is the max full flow in the pipe compared to the maximum flow the pipe is designed to convey.

Figure 3-4: Proposed Condition Storm Drain Conveyance Capacity



The storm drain facilities were upsized to reduce surface flooding and convey the 10-year storm event within the pipes and 100-year storm event within the street. Even though pipes are over 100% capacity, this does not mean

that there is flooding at each of these facilities. A pipe flowing over 100% could just indicate that that particular pipe is flowing under pressure. The results of the proposed infrastructure are more appropriately reflected in the number of flooded structures.

Table 3-6 provides a summary overview of the impact that the replacement of storm drain infrastructure had on the surface ponding conditions. The structures experiencing the various flood depths are counted alongside their respective depths.

Table 3-6: Proposed Condition 2-D Cell Peak Storage Volume 24-HR Storm Events

Ponding Depth (inches)	2-Year Storm		10-Year Storm		100-Year Storm	
	Volume (Ac.-Ft.)	Structures (#)	Volume (Ac.-Ft.)	Structures (#)	Volume (Ac.-Ft.)	Structures (#)
0 - 6	8.94	248	34.33	317	18.58	447
6 - 12	5.79	44	9.69	67	16.79	116
> 12	30.56	59	22.41	80	71.75	121
Total	45.29	351	66.43	464	107.11	684
Decrease from Existing Condition	56.10	62	20.71	128	42.56	135

There are local sumps throughout the city and some structures have ponding around their perimeter due to a local sump. Therefore, those structures might not have a project near them and will experience local ponding in both the existing and proposed conditions.

Refer to the existing condition maps located in Appendix C for a visual representation of the depths and limits of surface inundation within the study area. Table 3-7 presents a summary table of peak flow rate results at the storm drain outfall locations obtained from the modeling efforts under the proposed conditions.

Table 3-7: Proposed Condition Storm Drain Outfall Summary

System ID	Drainage Area (ac.)	Peak Flow Rates (cfs) 2-YR	10-YR	100-YR
1	1317.2	743	1,140	1,704
2	245.4	131	225	356
3	1120.3	633	1,068	1,637
4	600.2	401	645	925
5	457.6	353	621	1,037

4.0 Recommended Improvements

4.1 Interim Solution for CMP Assessment

Field surveying was prepared for the CMP portion of the five (5) identified systems. Refer to Appendix B for backup information from the field survey. Refer to Attachment C for exhibits showing each CMP section.

Based on the results of the field survey, the CMP systems were televised using closed-circuit television (CCTV) by Affordable Pipeline Services.

There are 149 segments that were surveyed, and a rating system was used by Affordable Pipeline. Grades were assigned and they are as follows:

5 – Most severe
4 – Severe
3 – Moderate
2 – Minor to Moderate
1 – Minor
0 – Minor or No Televising Available

According to results from the televised survey, CMP conditions range from "minor" to "most severe". Many sections are classified as severe by way of debris accumulation and damage through corrosion where: the bottom half of the pipes are missing, large diameter holes are prevalent, or severe corrosion has made many small holes throughout a particular segment. Other segments are classified as severely damaged by way of deformation and deformation is characterized as severe if it restricts flow and/or the structural integrity of the pipe and prevents repair. Segments classified as moderate have light corrosion and/or debris accumulation and segments classified as minor are in good condition with no or minor corrosion and no or minor debris accumulation.

The repair techniques can be summarized into six (6) methods and they are as follows:

- Cured in Place Pipe (CIPP) Lining
- Cured in Place Pipe Sectional Repairs
- Top Hat (TH) in Lateral/Main Connection Sealing
- Pressurized Hydrophilic Grout and Urethane Sealant
- Hydro-Scouring
- Pipe Removal and Replacement

Refer to Appendix B for definitions of each of these repair techniques. The least costly repairs are those that are fully clogged with sediment and debris and they can be repaired by hydro-scour. The next least costly of the repairs are those with severe corrosion and multiple holes that are less than one (1)-foot diameter and these can be repaired with CIPP lining. The costliest set of repairs are those that are severely deformed or corroded with

sections of pipe missing or large diameter holes (greater than one (1)-foot diameter) and these will require pipe removal and replacement. Below is a summary of the CMP condition and the amount of each type of recommended repair.

Table 4-1: Summary of Pipe Segment Rating and Quantity

Grade/Rating	Number of Pipe Segments
5 – Most Severe	56
4 - Severe	14
3 - Moderate	56
2 – Minor to Moderate	5
0 – Minor or No Televising Available	18
Total	149

Table 4-2: Summary of Repair Technique, Quantity, and Length

Repair Technique	Segment Quantity	Segment Length (ft)
1 - Cured in Place Pipe (CIPP) Lining	20	1,860
2 - Cured in Place Pipe Sectional Repairs	1	430
3 - Top Hat (TH) in Lateral/Main Connection Sealing	1	--
4 - Pressurized Hydrophilic Grout and Urethane Sealant	4	895
5 - Hydro-Scouring	47	4,915
6 - Pipe Removal and Replacement	28	1,043
Total	101	9,143

About one third or 49 of the inspected CMP's require rehabilitation or replacement. Twenty-eight (28) pipes are either fully clogged with debris or have significant debris and need hydro-scouring. The remaining pipes have minor to moderated severity and do not require significant repair or maintenance.

Refer to Appendix B for backup information from the televised survey (CCTV), results, maps, and summary tables.

4.2 Regional Locations of Interest

Regional Improvement Opportunities that could provide detention or water quality benefits were identified through visual inspection. The size of the contributing drainage areas and land parcel ownership were the major contributing factors for identifying regional opportunities. A conscious effort was made to limit the identification of regional opportunities to parcels owned by the City; however, some locations on private parcels were identified as well in certain circumstances due to constraints in the public ROW, like lack of adequate space. The regional opportunities were also chosen based on their proximity to the outfall of the subwatershed system to maximize the impact of treatment.

In total ten (10) locations are currently identified as potentially viable regional improvement opportunities. The locations are listed below in Table 4-3 and refer to Appendix C for an exhibit of the locations.

Table 4-3: Regional Improvement Opportunities

Regional Improvement Opportunities			
ID	Contributing Area (ac)	Impervious Area (ac)	Parcel Ownership
1	57.8	45.3	Thaidigsman Family Trust
2	324.4	201.2	Lemon Grove Alano Club
3	33.2	20.4	Retail Portfolio 30-1 LLC
4	14.4	7.5	Lemon Grove School District
5	54.6	33.4	Erickson Linda R
6	62.2	34.4	Shra Crockett Inc
7	124.3	74.1	Caltrans
8	208.5	128.2	City of Lemon Grove
9	35.3	17.1	Union Pacific Railroad Co.
10	32.8	19.9	Senior Community Centers/Community Health Partnerships

4.3 Drainage Recommendations

The following sections present summaries of the various structures associated with the drainage infrastructure.

4.3.1 Storm Drain Recommendations

The recommendations for the storm drain pipe system consist of addressing deficient facilities that, based off the modeling results, caused or contributed to inundation of structures during the 10-year storm event. The 10-year storm event was targeted to improve the level of service during the more frequent storm events.

In addition to replacing storm drain pipes by their capacity, the material of the pipe was also considered. CMP rated above 0 are recommended for replacement. The CMP facilities recommended for replacement were

recommended for conversion to RCP pipe of the appropriate size to convey the 10-year flow at the location. Pipes upstream and downstream were assessed and if they were CMP, were also recommended for replacement. Table 4-4 compares the number of drainage facilities in the existing and proposed condition. For a visual representation of the proposed storm drain improvements, refer to the maps provided in Appendix E.

Junctions were edited in response to editing the pipes they were connected with but these changes were minor and the changes are not analyzed between the existing and proposed conditions.

Table 4-4: Storm Drain Recommendations Summary

Facility type	Existing Condition	Proposed Condition	
	Total	Replaced	% Replace
Storm Drain (LF)[1]	265,225	226,576	85

[1] Includes lengths from dual pipe systems.

4.3.2 Future Channel Restoration Opportunities

As previously stated, small channels were assigned dimensions and had an overlay of 2D mesh and larger channels were modeled with the 2D mesh. In the proposed condition, channels were not the focus of proposed improvements. However, as part of the effort in analyzing the proposed condition results, channels that are in flooded areas are flagged for potential improvements. Refer to Appendix E for locations of proposed channels.

4.4 Individual Improvement Costs

Appendix C has maps of results from the 2-, 10-, and 100-year storm event models. These maps visually highlight the deficiencies within the citywide drainage system encountered during the modeling efforts. A visual observation of the drainage infrastructure displayed on these maps led to the conclusion that the City's drainage deficiencies are not concentrated within one central location, but rather they are distributed throughout various neighborhoods and watersheds. This data is crucial for determination of implementation strategies.

As a goal of this study, the results from the Citywide DMP have been leveraged to develop potential Capital Improvement Program (CIP) projects to address the drainage deficiencies where they occur. This was accomplished via a series of steps:

- Hydrologic and hydraulic analysis of the backbone storm drain infrastructure throughout the City.
- Recommending storm drain pipe size improvements for infrastructure which was determined to have deficient conveyance capacity.

- Determining individual priority for the recommended storm drain infrastructure improvements based on hydrologic and hydraulic analysis results and other applicable data.
- Grouping individual infrastructure improvements into CIP project bundles based on geographic location.

This process led to the development of bundled CIP projects which were then evaluated in more detail to determine potential benefits and/or consequences that may arise during the implementation process. After these projects were vetted, the recommended improvements were entered into a hydrologic and hydraulic model to determine the extent of the benefit yielded by the recommendations. The following sections provide further explanations of this process.

4.4.1 Selection Criteria

The method for selecting potential CIP projects involved the development of scoring criteria, as outlined in Figure 4-1. These criteria were developed to rate the efficiency of all existing storm drain segments and then assess the bundled projects by their effect on inundated buildings. The first set of criteria generates a simplified ranking system ranging from a score of 0 - 55 with 55 being the highest possible score to determine the importance of providing recommendations for the system. An extra 25 points are awarded to a pipe based on its CCTV rating, represented by the CMP Score. Summing the Raw Total with the Synergy Bonus Points, the highest possible rating for a pipe is 80 points.

Once all existing storm drains were scored, the criteria were further refined to prioritize based on bundled project; each bundled project was assessed based on its effect on reducing flooding to buildings. The projects were bundled based on their proximity and connection to one another. Analyzing the area upstream and downstream from a project allowed for each individual project to be assessed based on its effect on the buildings in the area. Each project area was visually inspected to confirm that buildings were not negatively affected by a project upstream or downstream. The individual scoring and bundled project assessment were combined in a final project prioritization step that assigned values based on a project's standing in flood reduction and number of priority assets. This resulted in projects with scores between 30 and 100.

Cost was factored in to the Flood Reduction Score by including normalized values from FEMA's Estimated Flood Loss Potential into the bundled projects' flood reduction score. FEMA has loss potential costs associated with depth of flooding. The costs used in this analysis are normalized averages of three ranges: 1-6 inches, 6-12 inches, and 12-48 inches. Refer to Appendix G for the FEMA data.

This dual assessment in the prioritization process allows for the proposed improvements to be used both on the individual scale and project scale. There are costs for each of the forty-two (42) bundled projects as well as costs for each individual pipe that is proposed for improvements.

Figure 4-1: CIP Selection Criteria

Rating Criteria (per asset)	Max. Score	Subcriteria Score
Public Safety	35	
Land Use Impacts		(0 to 20)
Adjacent to High-Priority Land Use		20
Adjacent to Developed Land Use		10
Adjacent to Vacant Land Use		0
Within Major Roads		(0 to 15)
Conveyance Characteristics		
Ease of Implementation	20	
Projects within Existing City Ownership, Right-of-Way, or Easement		20
Projects Located on Unimproved Property/Vacant		15
Raw Total	55	

Synergy Bonus Points	25	
CMP Score		(0 to 25)
Score 5		25
Score 4		20
Score 3		15
Score 2		10
Score 1		5
Synergy Total	25	
Overall Project Score	*80*	
Project Prioritization		
Flood Reduction Score	60	(0 to 60)
Highest Ranked 10% of Projects		60
Second Ranked 30% of Projects		40
Lowest Ranked 60% of Projects		20
Normalized Project Score Per Weighted Asset Score	40	(0 to 40)
Highest Ranked 10% of Projects		40
Second Ranked 30% of Projects		20
Lowest Ranked 60% of Projects		10

4.4.2 Results

From the extensive and detailed modeling came forty-two (42) potential CIP projects that encompass all the proposed conditions modeling. However, this DMP has provided more detailed information on the top five (5) feasible CIP projects with the most favorable flood control benefits. These five (5) CIP projects are viable drainage improvements which can be implemented to provide a better level of service for their respective areas with minimal adverse effect on the connecting systems. These projects have been selected to address known hotspots within the City and reduce existing deficiencies by upsizing existing infrastructure. The projects in this section are not based on priority.

The results of the top five (5) project bundles are displayed in Table 4-5. Refer to Appendix G for the summary table of improvements and costs for all forty-two (42) projects.

The total cost of CIP projects is $78,183,649 and remove 121 structures from experiencing inundation. The top five (5) CIP projects range in price from $78,856.37 to $10,026,193.78 and include storm drain and culvert improvements. The top five (5) projects remove forty-two (42) structures from experiencing flooding. This spectrum of project sizes and types allows the City a broad array of projects from which to select. The potential for storm drain improvements made System 1 the most likely to have the most desirable projects.

Table 4-6 provides a comparison of results between the existing and proposed conditions for the top five (5) projects while Table 4-7 provides a comparison of results between the existing and proposed conditions for all forty-two (42) projects. Below, Table 4-8, provides a comparison of inundated structures for the top five (5) projects while Table 4-9 provides a comparison of inundated structures for all forty-two (42) projects. The number of structures experiencing ponded water decreases in the proposed condition due to the proposed improvements.

Table 4-5: Costs of the Top 5 Prioritized Projects

Project Bundle ID	Capital Cost	Soft Cost (32% P&D)	Total Project Cost
1_1	$ 1,173,106.71	$ 563,091.22	$ 1,736,197.93
1_3	$ 53,281.33	$ 25,575.04	$ 78,856.37
1_11	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10
1_2	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78
1_9	$ 821,359.05	$ 394,252.35	$ 1,215,611.40
SUM	$10,445,635.52	$5,013,905.05	$15,459,540.58

Table 4-6: Comparison of Storm Drain Results of the Top 5 Prioritized Projects

Conduits: Subtotal of Deficiencies (LF)	2-Year Capacity				10-Year Capacity				100-Year Capacity			
	<100	100-150	150-200	>200	<100	100-150	150-200	>200	<100	100-150	150-200	>200
Existing Conditions	5,284	2,017	660	191	3,707	2,859	1,261	324	2,852	3,596	1,105	598
Proposed Conditions	4,528	4,119	260	613	6,539	2,320	564	97	4,528	4,119	260	613
Flood Reduction Benefit from Proposed Conditions	756	(2,102)	400	(422)	2,832	539	697	227	1,676	(523)	845	(15)
% Change	14%	-104%	61%	-221%	76%	19%	55%	70%	59%	-15%	76%	-3%

Table 4-7: Comparison of Storm Drain Results of All Projects

Conduits: Subtotal of Deficiencies (LF)	2-Year Capacity				10-Year Capacity				100-Year Capacity			
	<100	100-150	150-200	>200	<100	100-150	150-200	>200	<100	100-150	150-200	>200
Existing Conditions	27,614	9,569	2,847	2,190	18,524	15,833	4,378	3,485	13,753	19,081	4,653	4,732
Proposed Conditions	42,300	1,242	495	180	35,683	7,295	564	675	24,872	16,900	1,255	1,190
Flood Reduction Benefit from Proposed Conditions	14,686	8,327	2,352	2,010	17,159	8,538	3,814	2,810	11,119	2,181	3,398	3,542
% Change	53%	87%	83%	92%	93%	54%	87%	81%	81%	11%	73%	75%

Table 4-8: Comparison of Inundated Structures of the Top 5 Prioritized Projects

	Ponding Depth (inches)	2-Year Storm	10-Year Storm	100-Year Storm
		Structures (#)	Structures (#)	Structures (#)
Existing	0 - 6	91	109	113
	6-12	21	28	49
	> 12	17	21	31
	Total	129	158	193
Proposed	Ponding Depth (Inches)	Structures (#)	Structures (#)	Structures (#)
	0 - 6	66	85	119
	6-12	16	10	31
	> 12	16	21	25
	Total	98	116	175
Comparison	Difference	31	42	18

Table 4-9: Comparison of Inundated Structures of All Projects

	Ponding Depth (inches)	2-Year Storm	10-Year Storm	100-Year Storm
		Structures (#)	Structures (#)	Structures (#)
Existing	0 - 6	278	384	472
	6-12	51	71	161
	> 12	45	73	112
	Total	374	528	745
Proposed	Ponding Depth (Inches)	Structures (#)	Structures (#)	Structures (#)
	0 - 6	236	304	426
	6-12	37	42	99
	> 12	44	61	96
	Total	317	407	621
Comparison	Difference	57	121	124

5.0 Conclusions

This DMP successfully utilized high-resolution data with an integrated PCSWMM modeling approach to determine existing deficiencies and identify recommended improvements for drainage infrastructure. The results from the project and subsequent prioritization provide the City of Lemon Grove with recommendations to be used in the City's planning and CIP. The results significantly advance the City's storm water management goals by not only assessing each individual pipe but by bundling recommendations into tangible projects. The value of the results of this project is that now the City has assessments for all of its storm drain pipes at its disposal with all of the results provided in a user-friendly web application tool.

The 1-D/2-D H&H model provides a visual representation of surface drainage in the City of Lemon Grove during different storm events. During the 2-, 10-, and 100-year, 24-hour storms, significant flooding occurs along Federal Boulevard and Lemon Grove Avenue. Additionally, during the 100-year, 24-hour storm a section of Broadway and the intersection of Broadway and Sweetwater Way experience significant flooding. The modeling also provides a list of deficient systems. In the 2-, 10-, and 100-year, 24-hour storm events there are 135, 227, and 347 deficient conduits, respectively.

This study provides ten (10) potential regional locations for future water quality BMPs. The delineations created for the entire watershed created the opportunity to calculate the contributing areas to each of these regional improvement opportunities. These locations were chosen based on the surrounding space and the contributing area. Additionally, channels were visually inspected and those that could be retrofitted in the future were flagged and included in the final package of these project's efforts.

Based on the results from the existing condition model, recommendations for the storm drain pipes were made and included upsizing and/or changing the material to RCP. Based on their surcharging junctions while conveying the 10-year storm event, pipes were upsized to be able to convey the flow without causing flooding. The goal was to improve the 10-year level of service, contain the flow within the street during the 100-year storm event, and decrease the amount of structures flooding in the 2-, 10-, and 100-year storm events. The drainage modeling and recommendations outlined in this report were able to reduce the total volume of surface ponding from approximately 87.14 acre-feet to 66.43 acre feet in the 10-year storm event. The drainage recommendations consist of storm drain replacement based on existing capacity and material. Based on location and system, recommendations were bundled into projects and resulted in forty-two (42) projects that vary in cost from $25,343 to $10,026,194. The combined cost for all the recommendations for these projects totals approximately $78,183,649. These costs can be looked at on an individual pipe level or project level. In addition to this, each individual pipe is prioritized based on its location and CCTV rating. On a project scale, the project is prioritized based on its effect on the structures upstream and downstream of its location. The five top priority projects range

from $78,856 to $10,026,194 and remove forty-two (42) structures from experiencing flooding in the 10-year storm event and 121 structures in the 100-year storm event.

In summary, this study provides improvement costs for each individual pipe and bundles and prioritizes them into CIP-level projects. The City now has forty-two (42) bundled projects to support the City's CIP, paving the way for city staff to use each project to apply for grant money funding. Additionally, the City has a list of flagged channels recommended for future improvements in order to pursue water quality benefits that will be experienced by both the City of Lemon Grove and downstream receiving waters. Rather than reacting to problems when they arise, the City aims to take a proactive approach by moving forward with the information provided in the bundled projects. With the utilization of grant funding and local taxes, the City can use the list of bundled implementation ready projects this study produced to efficiently implement improvements. All the information collected and assessed during the study can be referenced within a user-friendly web-application for years to come.

6.0 References

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A. H&H Backup

1.0 Hydrologic Methodology and Modeling

PCSWMM uses EPA's SWMM Version 5 (SWMM5) engine, which uses the nonlinear reservoir model methodology to estimate the rainfall-runoff relationship for a subarea. Nonlinear reservoir modeling uses a combination of mass conservation and the Manning Equation to determine the volumetric flow rate from a subcatchment. SWMM5 requires several parameters to calculate runoff from each subcatchment. The parameters include area (in acres), characteristic width of the subcatchment, slope, percent impervious, Manning's "n" values for pervious and impervious overland surfaces, depression storage for pervious and impervious surfaces, percent of impervious area with no depression storage, and infiltration parameters.

1.1 Rainfall

Point precipitation data for the City of Lemon Grove study area was obtained from the National Oceanic and Atmospheric Administration (NOAA) Atlas 14 Precipitation Frequency Data Server (PFDS) (NOAA 2011). This data was selected because it has a longer period of record than the data presented in the *County of San Diego Hydrology Manual* (2003) to best reflect the historical rainfall and flooding events specific to the study area. Point rainfall data (total rainfall depth) was obtained for two rain gages nearest to the study area: Chollas Reservoir and La Mesa to compare with precipitation data obtained at the centroid of the study area (See Table 1-1).

Table 1-1: San Diego County local 24-Hour NOAA precipitation depth (inches)

Gage	Lat.	Long.	2-YR, 24-HR Precip. (in.)	10-YR, 24-HR Precip. (in.)	100-YR, 24-HR Precip. (in.)
Chollas Reservoir	32.7333	-117.0667	1.85	2.95	4.55
La Mesa	32.7675	-117.0233	1.97	3.19	5.03
City of Lemon Grove Study Area	32.7333	-117.0344	1.89	2.97	4.11

Source: NOAA 2011.
Notes: in. = inches; Lat. = latitude; Long. = longitude.

Based on this comparison, the rainfall precipitation depth data obtained at the centroid of the City of Lemon Grove study area is within range of nearby rain gages for the 2-, 10-, and 100-year storm events.

1.1.1 Rainfall Pattern

Setting up a storm simulation in EPA's Storm Water Management Model (SWMM) requires a hyetograph to distribute rainfall over time throughout the storm duration. Two options were considered:

- (2/3, 1/3) distribution as presented in the *County of San Diego Drainage Design Manual* (2003).

- Center distribution, (1/2, 1/2), based on USACE's HEC TD-15 guidance, *Hydrologic Analysis of Ungaged Watersheds Using HEC-1* (USACE 1982).

The 24-hour storm duration was selected for the study. The center storm distribution was selected because it meets this study's goals. The center storm distribution provides the peak intensities necessary to assess drainage infrastructure at the inlet scale (up to 5-minute rainfall intensities) while preserving the total volume of runoff generated from the storm duration. The two options generate the same precipitation volume however the (2/3, 1/3) storm distribution generates a greater volume leading up to the peak of the storm.

1.1.2 Rainfall Hyetograph Development

To develop the unit intensity duration relationship for the City of Lemon Grove study area, NOAA precipitation depth data from three rain gage stations within the study area were obtained for the 2-, 10-, and 100-year, 24-hour storm events. The point rainfall depth data obtained from the NOAA PFDS was used to generate intensity-duration pairs for the given durations. These intensity-duration pairs are incorporated into the rainfall intensity hyetographs. The 100-year precipitation depth data from these rain gages and the City of Lemon Grove study area are shown in Figure 1-1 (NOAA 2011).

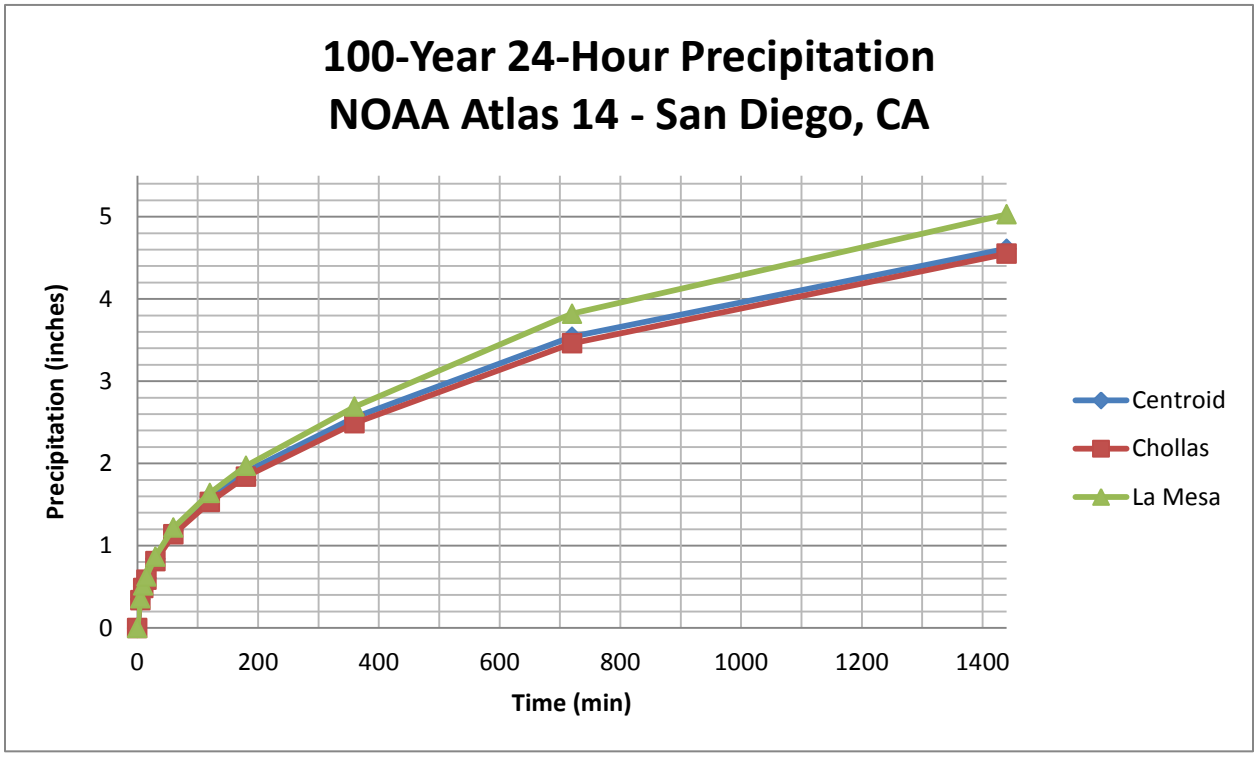


Figure 1-1: 100-year, 24-hour precipitation depth

The resulting rainfall intensity-duration data points generated from the NOAA precipitation depth data were reviewed and plotted for comparison (NOAA 2011). This was done to visually identify any discrepancy in the intensity-duration pairs when plotted. The intensity-duration pairs will appear linear on a log-log scale. The graphs showed that the rainfall intensity-duration relationship yielded a linear relationship for the rainfall data collected at the rain gages, and the precipitation data for the centroid of

the study area was within range of the 2 nearby rain gages (Figure 1-2). This comparison provides a check to verify that the rainfall data obtained directly at the centroid of the City of Lemon Grove study area from the NOAA PFDS correlates with the data at the nearest rain gages in the vicinity of the study area.

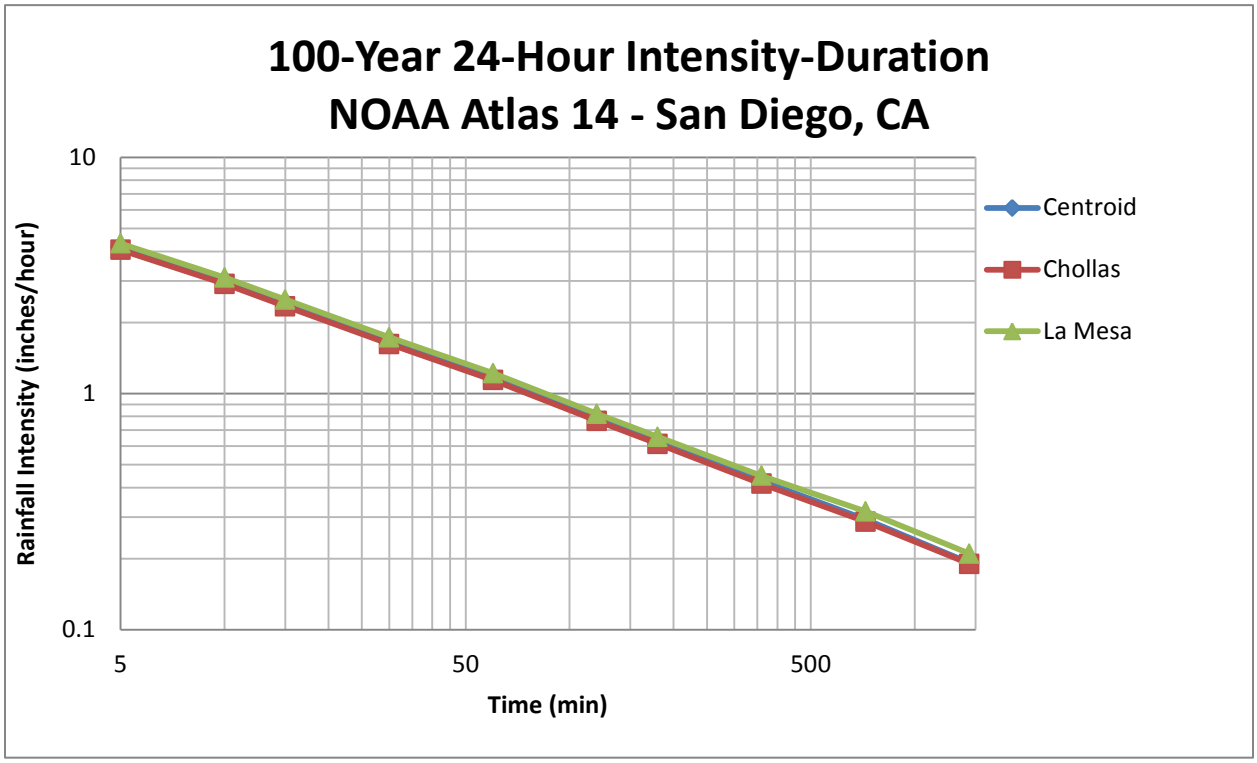


Figure 1-2: 100-year intensity-duration relationship

Since the intensities plotted showed similar patterns for the two gages and the data for the City of Lemon Grove area within range of the data obtained at the rain gages, it was determined that the rainfall data aggregated for the study area would be appropriate for modeling purposes. The precipitation was entered in 5-minute increments. Precipitation depths at certain durations were obtained directly from NOAA Atlas 14 as seen in the rainfall data shown in Appendix A (NOAA 2011). Precipitation depths bounded by the given values were determined by log-log interpolation at 5 minute increments.

The incremental precipitation data was then arranged into a center-distributed rainfall intensity hyetograph with the peak of the storm centered at 12 hours, as seen in Figure 1-3. A (2/3, 1/3) rainfall distribution with the storm peak occurring at 16 hours, as described in the 2003 *San Diego County Hydrology Manual* was considered and ultimately not selected for this study. This approach delivers a greater volume of rainfall prior to the peak of the storm, which has a significant impact on storage volumes on street surfaces and storm drain facilities, compared to the center-distributed balanced storm (1/2, 1/2 distribution). A storm distribution with the peak rainfall intensity arranged at 12 hours generates the necessary peak flows while delivering the full rainfall volume with a symmetric distribution during the 24-hour storm event.

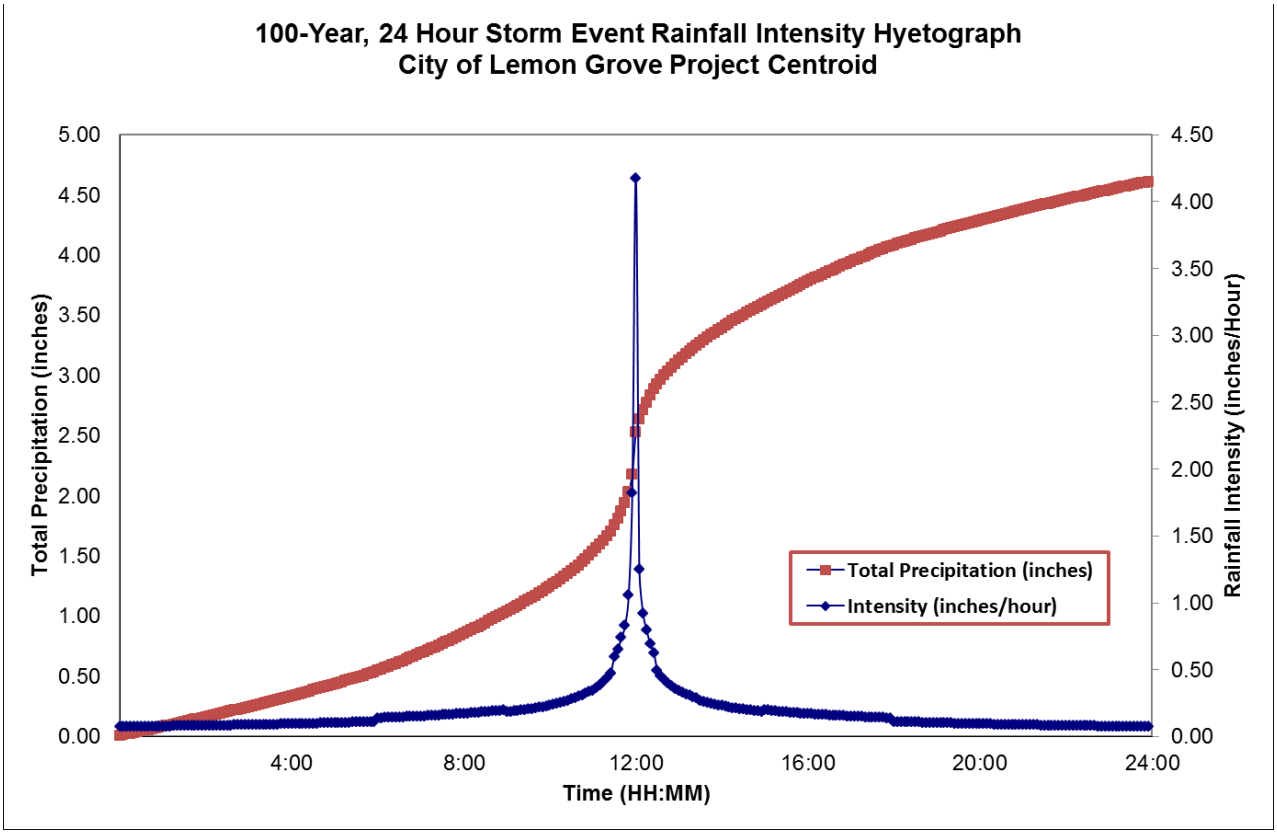


Figure 1-3: 100-year, 24-hour intensity hyetograph

1.1.3 Rainfall Losses

The Green-Ampt Method was used to estimate infiltration potential, which requires the following parameters: soil capillary suction head, soil saturated hydraulic conductivity, and initial moisture deficit (i.e., the difference between soil porosity and initial moisture content). This method is consistent with the guidance presented in the *County of San Diego BMP Design Manual* (2019) for hydromodification management SWMM modeling efforts in San Diego, and further documented in the *Storm Water Management Model User's Manual Version 5.1* (Rossman & Huber, 2015).

Soil parameters were obtained using the listed values in table G.1-4, from Appendix G of the 2019 *County of San Diego BMP Design Manual*. These Green-Ampt soil parameters listed in the table were established by the manual for use in the San Diego Region, and are within the acceptable ranges specified in Tables A.2 and A.3 of the SWMM User's Manual. The distribution of hydrologic soil groups within the City of Lemon Grove study area is based on SANDAG's ArcGIS feature class for National Resources Conservation Service hydrologic soil groups (refer to Appendix A-4 for an exhibit documenting the mapped NRCS hydrologic soil groups within the study area). Areas with an "unknown" soil classification were assumed to be type D soils for this analysis.

The land cover feature class was used to determine the percentage of impervious area for each subcatchment based on assigned impervious percentages to each land use. The land use shapes were intersected with the inlet drainage area delineations to perform an area-weighting analysis of the average impervious cover using GIS tools. Refer to Appendix C for a map which documents the land uses throughout the study area and the assigned impervious percentage for each land use.

To determine the overland Manning's "n" values and percent impervious parameters, the guidance in Appendix G of the 2019 *County of San Diego BMP Design Manual* was followed. The "n" values are: 0.012 for impervious cover, and 0.15 for pervious cover. These values were established by the BMP Design Manual for use in the San Diego region, and are within the acceptable ranges documented in Table 3-5 of the *Storm Water Management Model Reference Manual Volume I – Hydrology* (Rossman 2016).

1.2 Hydrologic Routing

Each subcatchment is connected via a conveyance node and link network (inlets and storm drain pipes), which routes runoff generated towards the storm drain system outfall. Refer to Section 2.0 for more information regarding the hydraulic analysis methodology and modeling procedures.

2.0 Hydraulic Methodology and Modeling

2.1 Flow Routing

The PCSWMM platform uses SWMM5 to perform hydraulic calculations and presents the same flow routing options as the EPA SWMM computer application. This ensures that the input parameters and results obtained are directly compatible between the proprietary PCSWMM program and the public domain EPA SWMM program. Flow routing is governed by the equations of continuity, mass, and momentum—also known as the St. Venant Flow equations—with flexibility offered to the modeler regarding the complexity of the terms considered in the equations. The program allows the modeler to select from the Steady Flow, Kinematic Wave, and Dynamic Wave routing options. The normal depth equation is used in all routing options to relate flow depth, flow rate, and surface friction.

Steady Flow routing was judged to be inappropriate for modeling this study area as it does not actually represent flow routing per a defined time step during the simulation. It is the simplest computation method that translates the inflow hydrographs directly downstream without any change in shape and simply uses the normal depth equations to relate flow rates, depths, and cross-sectional areas of the conveyance network. This method does not represent any backwater effects or pressurized flow, and does not take into account the user-defined computational time steps during the storm simulation.

Kinematic Wave routing was not selected for this study as it was incompatible with the 2-D analysis. It employs a simplified form of the momentum equation but does not take into account all of the equation's terms. This routing method does not account for any backwater effects or pressurized flow.

Dynamic Wave routing was the option selected for all analyses performed in this study. The purpose of this study was to produce a model that would most closely relate the actual conditions of the dynamic relationship between surface and subsurface conveyance, and potential flooding concerns. This routing option considers all terms of the St. Venant Flow equations and presents the most theoretically correct results accounting for backwater effects, pressurized flow, flow attenuation, and reversal of flow. The caveat in selecting this routing option, however, was maintaining numerical stability in the model by using extremely small computational time steps that resulted in significant simulation times for 2-D analyses.

2.2 Conveyance Material and Manning's Roughness Coefficients

The study area was mainly comprised of Reinforced Concrete Pipe (RCP) and cast-in-place concrete pipe (CIPCP) storm drain systems, although a few other storm drain materials (asbestos cement, corrugated metal, and polyvinyl chloride) were also present in the existing inventory. This was determined through examination of the GIS storm drain inventory provided by the City, which was reviewed and updated during the course of the data collection and compilation process described in Section 2 of the DMP.

In PCSWMM (and EPA SWMM), the Manning roughness values are associated with a conveyance material database. Each channel, pipe, and conduit in the 1-D portion of the model must have a material code assigned to it; in that way, the resistance to flow and energy losses along the conduit length can be calculated.

Table 2-1 lists all the material types present within the study area and the associated Manning's "n" value assigned to each material code in the models.

Table 2-1: Conveyance material abbreviations and Manning's roughness coefficients

Material Code	Material Description	Roughness Coefficient
ABS	Acrylonitrile butadiene styrene	0.013
ACP	Asbestos Cement Pipe	0.013
CIPCP	Cast-in-Place Concrete Pipe	0.019
CMP	Corrugated Metal Pipe	0.024
HDPE	High-density polyethylene	0.013
PVC	Polyvinyl Chloride	0.013
RCP/RCB	Reinforced Concrete Pipe/Box	0.013
SP	Steel Pipe	0.024
VCP	Vitrified clay pipe	0.014

The Manning's conduit roughness values were assigned based on Chapter 3 of the *San Diego Hydraulic Design Manual* (2014).

2.3 Storm Water Inlet Modeling

The GIS storm water conveyance dataset which was revised and updated during the course of the data collection and compilation process includes 23 inlet or catch basin structures for the collection of surface runoff from streets, ditches, swales, and overland flow. Undersized storm water inlets can limit the efficiency of the existing conveyance infrastructure to collect and convey runoff during storm events. The flow interception capacity of each inlet type was estimated based on the inlet structure type, location, street slope, and structure dimensions, following the 2014 *County of San Diego Hydraulic Design Manual* guidance (CSDDPW 2014). Note that the 50-percent clogging reduction factor was not applied for grated catch basin inlets. Flow interception at each inlet was included in the PCSWMM model with inflow rating curves as a function of street flow depth. The portion of storm water flows exceeding the capacity of the inlet was bypassed to the street conveyance in the 2-D models.

2.4 Coupled 1-D/2-D Model

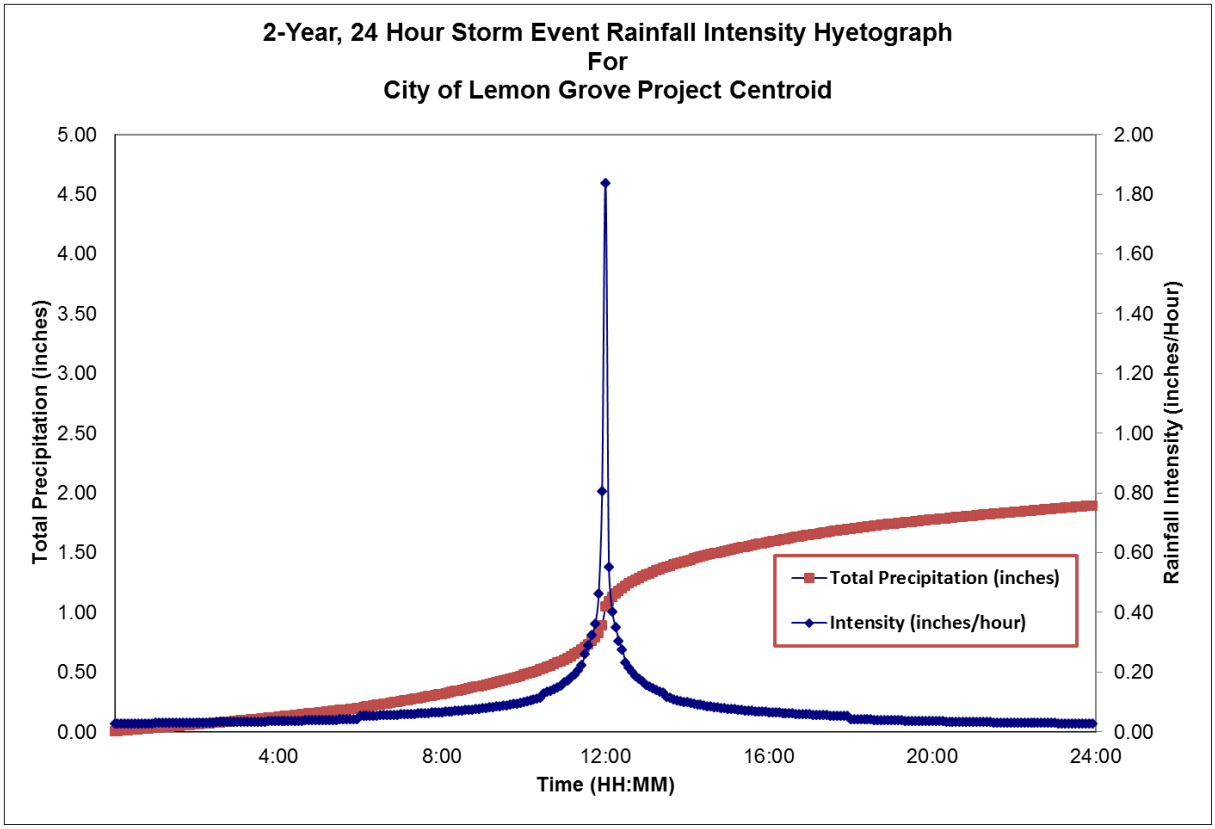
The development of the 1-D hydraulic model includes the pipe/open channel drainage network for all pipes 36 inches and larger. Pertinent pipes having less than 36-inch diameters also were included in the model if they were considered part of the primary backbone storm drain systems. Key hydraulic structures that control the flow entering or discharging from the primary system such as inlets, culverts, outfalls, and pipes also were included in the 1-D model.

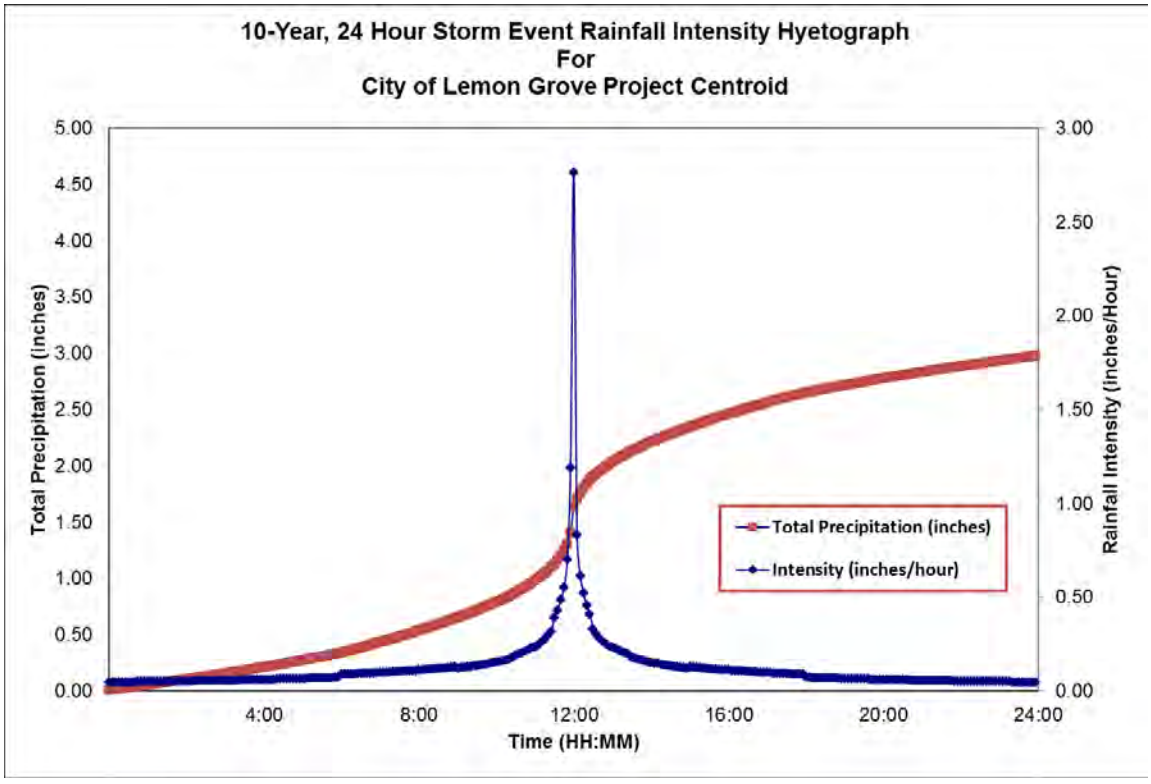
The surface storage and conveyance represented by the streets and other surfaces are accounted for in the 2-D hydraulic model of the City of Lemon Grove study area. The 2-D model was generated from an array of mesh (or grids) with a 10-ft. and 30 ft. resolutions to represent the surface conveyance. A 10-ft. resolution directional mesh was used to define the drainage patterns of streets and roads, and a 30-ft. resolution hexagonal mesh was applied globally to the remaining sections of the study area. The directional mesh generates 2-D surface cells which are forced along a defined preferential flow path, such as a street gutter flowline or alleyway centerline. This is useful for streets and channels. The hexagonal mesh generates 2-D surface cells which have six (6) defined flow directions in order to represent more possible flow directions across surfaces with less defined flow paths. This option is useful for flatter areas that do not have clearly defined flow paths.

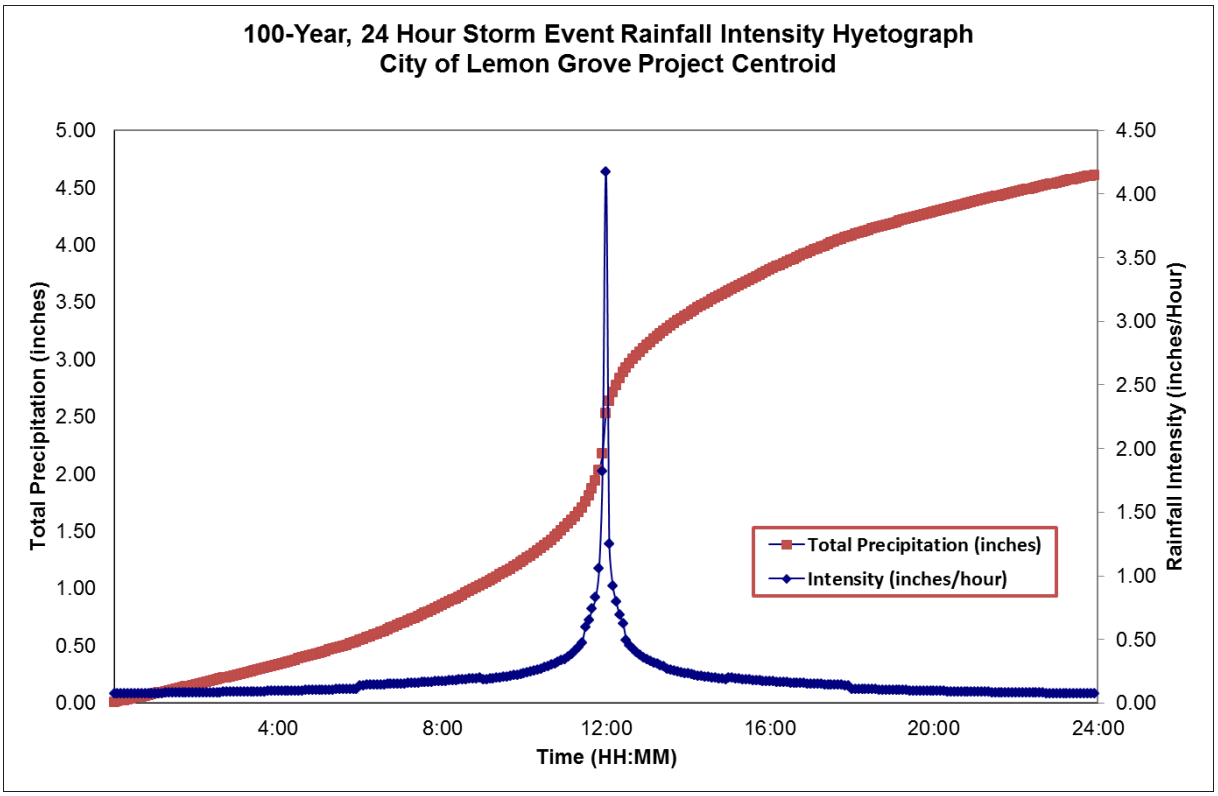
The overall 2-D mesh was developed from a high-resolution DEM data set by sampling elevation data at points with a 10-ft. or 30-ft. spatial resolution and was used to preserve the preferential flow paths and street conveyance that are part of the overall storm water conveyance system.

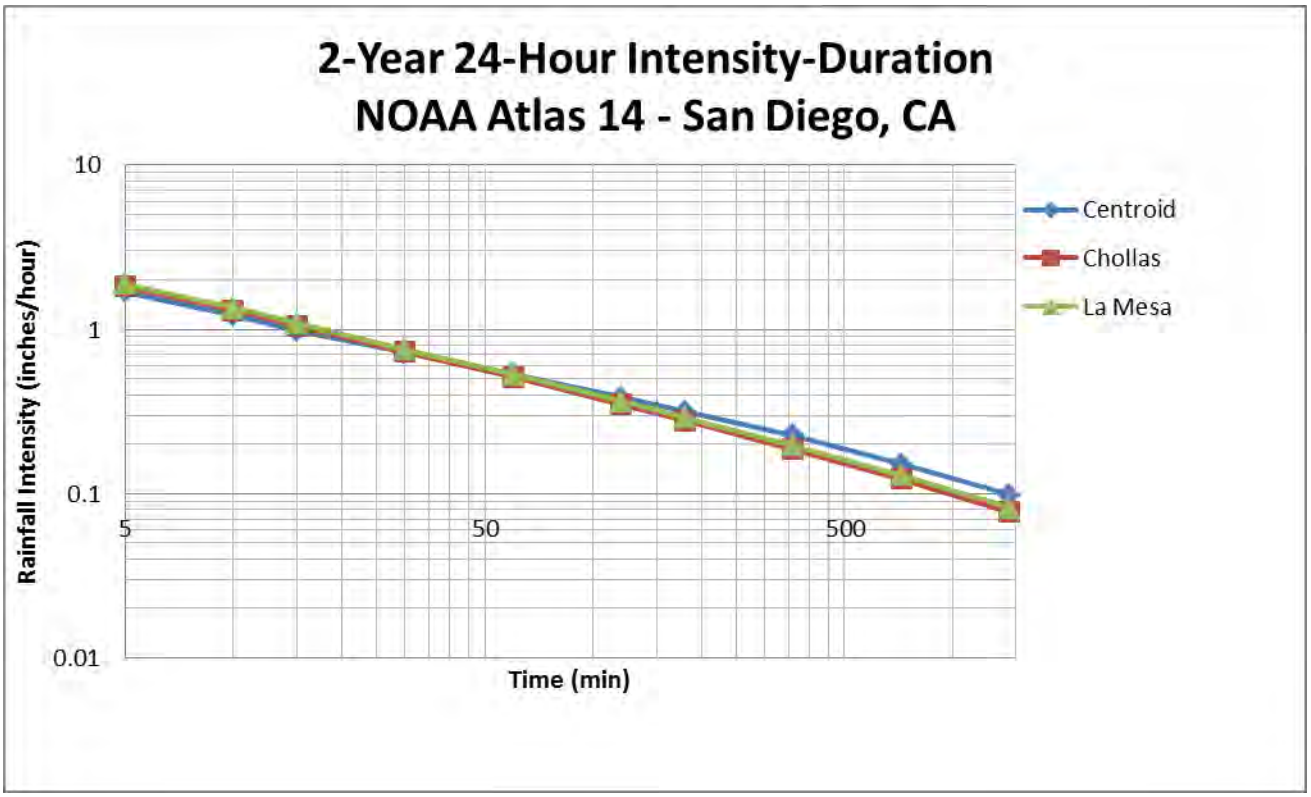
The two systems were coupled together at points where exchange of storm water between the surface conveyance system and the engineered storm water conveyance system could occur—typically at storm drain inlets, and outlet structures. The models were linked between nodes in the 1-D minor system (subsurface) and the 2-D major system (surface). The coupled models were then run and solved simultaneously, representing the storm water conveyance and storage on the street and in the storm water collection and conveyance system. The coupling of the 1-D and 2-D models allowed for bidirectional exchange of volume between the 2-D surface conveyance system and the engineered 1-D storm water system. By coupling the models together and solving the hydraulics simultaneously, the dynamic exchange of runoff between the surface flow and storm water conveyance system facilities is described.

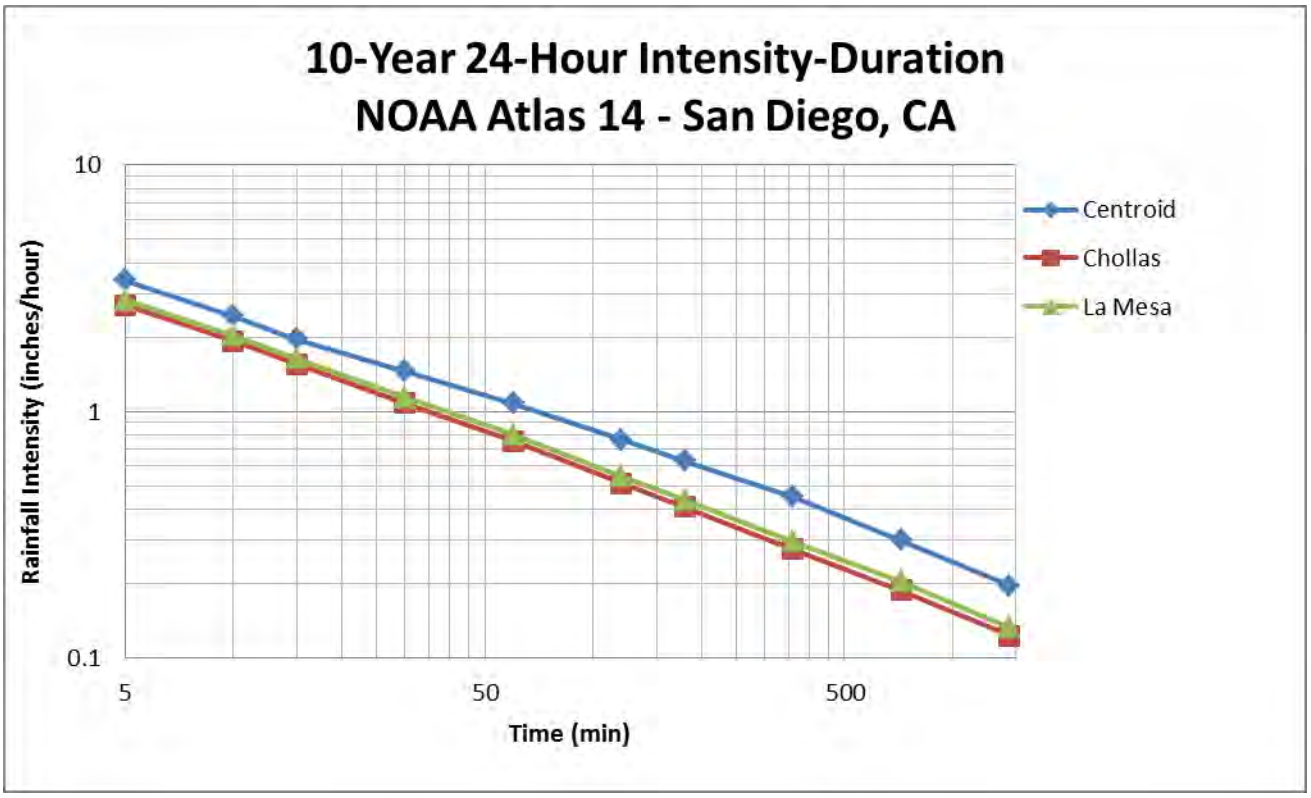
The coupled 1-D/2-D model was executed using the runoff hydrographs resulting from NOAA rainfalls for the 2-, 10-, and 100-year storm events based on existing land uses to assess the current system's deficiencies.

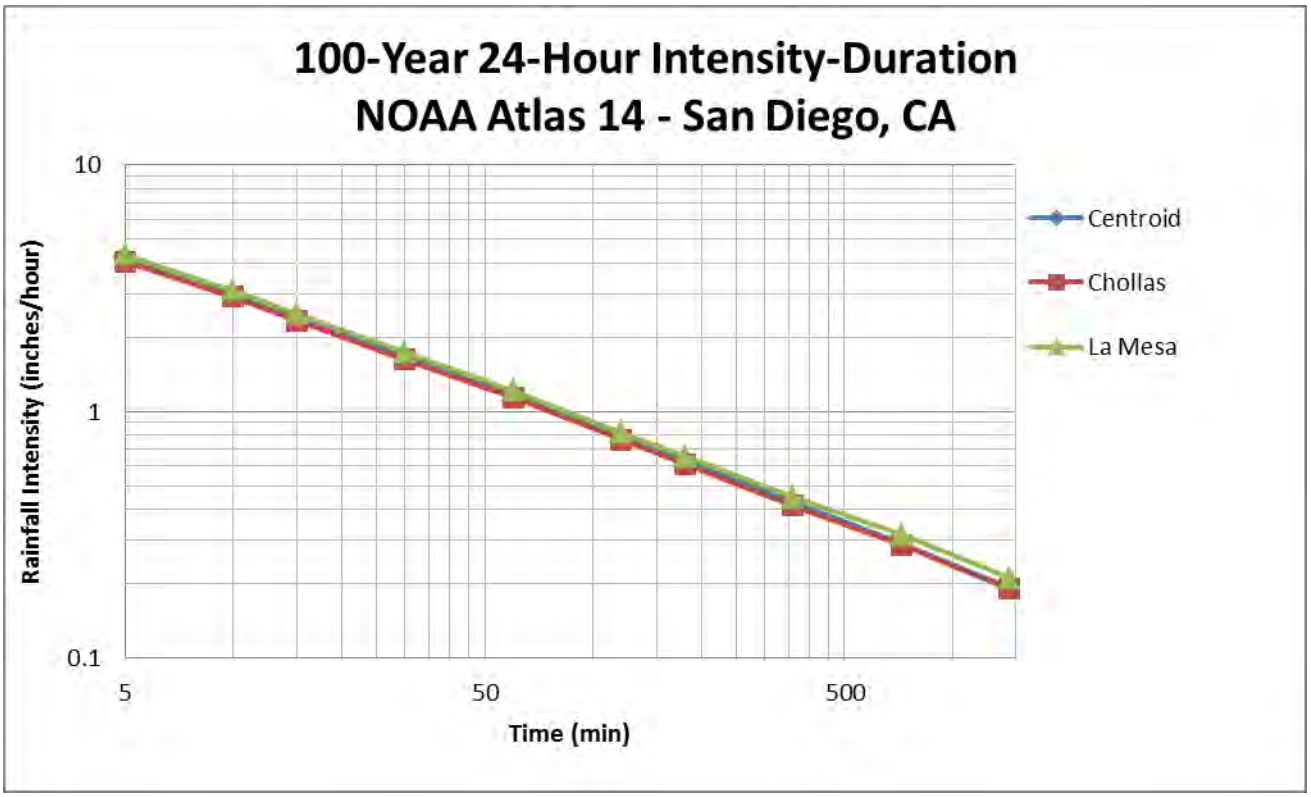

2-Year, 24 Hour Storm Event Rainfall Intensity Hyetograph
For
City of Lemon Grove Project Centroid
Total Precipitation (inches)
Rainfall Intensity (inches/Hour)
Time (HH:MM)
Total Precipitation (inches)
Intensity (inches/hour)
5.00
4.50
4.00
3.50
3.00
2.50
2.00
1.50
1.00
0.50
0.00
2.00
1.80
1.60
1.40
1.20
1.00
0.80
0.60
0.40
0.20
0.00
4:00
8:00
12:00
16:00
20:00
24:00


10-Year, 24 Hour Storm Event Rainfall Intensity Hyetograph
For
City of Lemon Grove Project Centroid
Total Precipitation (inches)
Rainfall Intensity (inches/Hour)
Time (HH:MM)
Total Precipitation (inches)
Intensity (inches/hour)
5.00
4.50
4.00
3.50
3.00
2.50
2.00
1.50
1.00
0.50
0.00
3.00
2.50
2.00
1.50
1.00
0.50
0.00
4:00
8:00
12:00
16:00
20:00
24:00


100-Year, 24 Hour Storm Event Rainfall Intensity Hyetograph
City of Lemon Grove Project Centroid
Total Precipitation (inches)
Rainfall Intensity (inches/Hour)
Time (HH:MM)
5.00
4.50
4.00
3.50
3.00
2.50
2.00
1.50
1.00
0.50
0.00
4:00
8:00
12:00
16:00
20:00
24:00
Total Precipitation (inches)
Intensity (inches/hour)


2-Year 24-Hour Intensity-Duration
NOAA Atlas 14 - San Diego, CA
Rainfall Intensity (inches/hour)
10
1
0.1
0.01
5
50
500
Time (min)
Centroid
Chollas
La Mesa


10-Year 24-Hour Intensity-Duration
NOAA Atlas 14 - San Diego, CA
Rainfall Intensity (inches/hour)
10
1
0.1
5
50
500
Time (min)
Centroid
Chollas
La Mesa


100-Year 24-Hour Intensity-Duration
NOAA Atlas 14 - San Diego, CA
Rainfall Intensity (inches/hour)
10
1
0.1
5
50
500
Time (min)
Centroid
Chollas
La Mesa

Centroid Data

NOAA Atlas 14, Volume 6, Version 2
Location name: Lemon Grove, California, USA*
Latitude: 32.7333°, Longitude: -117.0344°
Elevation: 420.08 ft**
* source: ESRI Maps
** source: USGS

POINT PRECIPITATION FREQUENCY ESTIMATES

Sanja Perica, Sarah Dietz, Sarah Heim, Lillian Hiner, Kazungu Maitaria, Deborah Martin, Sandra Pavlovic, Ishani Roy, Carl Trypaluk, Dale Unruh, Fenglin Yan, Michael Yekta, Tan Zhao, Geoffrey Bonnin, Daniel Brewer, Li-Chuan Chen, Tye Parzybok, John Yarchoan

NOAA, National Weather Service, Silver Spring, Maryland

PF_tabular | PF_graphical | Maps_&_aerials

PF tabular

PDS-based point precipitation frequency estimates with 90% confidence intervals (in inches)[1]

Duration	Average recurrence interval (years)									
	1	2	5	10	25	50	100	200	500	1000
5-min	**0.121** (0.101-0.146)	**0.153** (0.128-0.185)	**0.195** (0.163-0.236)	**0.230** (0.190-0.280)	**0.276** (0.221-0.349)	**0.312** (0.244-0.403)	**0.348** (0.266-0.462)	**0.386** (0.286-0.527)	**0.437** (0.309-0.622)	**0.476** (0.326-0.703)
10-min	**0.173** (0.145-0.209)	**0.220** (0.184-0.265)	**0.280** (0.234-0.339)	**0.329** (0.273-0.402)	**0.396** (0.317-0.501)	**0.447** (0.350-0.578)	**0.500** (0.381-0.662)	**0.553** (0.409-0.755)	**0.626** (0.444-0.892)	**0.682** (0.467-1.01)
15-min	**0.210** (0.176-0.253)	**0.266** (0.222-0.320)	**0.339** (0.283-0.410)	**0.398** (0.330-0.486)	**0.479** (0.383-0.605)	**0.541** (0.423-0.699)	**0.604** (0.460-0.801)	**0.669** (0.495-0.913)	**0.757** (0.536-1.08)	**0.825** (0.564-1.22)
30-min	**0.291** (0.244-0.350)	**0.368** (0.308-0.445)	**0.470** (0.392-0.569)	**0.553** (0.457-0.674)	**0.664** (0.531-0.840)	**0.751** (0.587-0.970)	**0.838** (0.639-1.11)	**0.928** (0.687-1.27)	**1.05** (0.744-1.50)	**1.15** (0.783-1.69)
60-min	**0.409** (0.343-0.493)	**0.518** (0.434-0.625)	**0.661** (0.552-0.800)	**0.777** (0.643-0.949)	**0.935** (0.747-1.18)	**1.06** (0.825-1.36)	**1.18** (0.898-1.56)	**1.31** (0.966-1.78)	**1.48** (1.05-2.11)	**1.61** (1.10-2.38)
2-hr	**0.565** (0.474-0.681)	**0.710** (0.595-0.857)	**0.900** (0.751-1.09)	**1.05** (0.872-1.29)	**1.26** (1.01-1.60)	**1.42** (1.11-1.84)	**1.59** (1.21-2.10)	**1.75** (1.30-2.39)	**1.98** (1.40-2.82)	**2.16** (1.48-3.19)
3-hr	**0.678** (0.568-0.816)	**0.851** (0.713-1.03)	**1.08** (0.900-1.31)	**1.26** (1.05-1.54)	**1.51** (1.21-1.91)	**1.70** (1.33-2.20)	**1.90** (1.45-2.52)	**2.10** (1.55-2.87)	**2.37** (1.68-3.38)	**2.58** (1.76-3.81)
6-hr	**0.894** (0.749-1.08)	**1.13** (0.947-1.37)	**1.44** (1.20-1.74)	**1.69** (1.40-2.07)	**2.03** (1.63-2.57)	**2.29** (1.79-2.96)	**2.56** (1.95-3.39)	**2.83** (2.09-3.86)	**3.20** (2.27-4.55)	**3.48** (2.38-5.14)
12-hr	**1.16** (0.971-1.40)	**1.50** (1.26-1.81)	**1.95** (1.63-2.36)	**2.31** (1.91-2.82)	**2.79** (2.23-3.53)	**3.16** (2.47-4.09)	**3.54** (2.69-4.69)	**3.92** (2.90-5.35)	**4.43** (3.14-6.32)	**4.83** (3.30-7.14)
24-hr	**1.42** (1.25-1.65)	**1.89** (1.65-2.19)	**2.49** (2.17-2.90)	**2.97** (2.58-3.49)	**3.62** (3.05-4.39)	**4.11** (3.40-5.08)	**4.61** (3.73-5.82)	**5.12** (4.03-6.63)	**5.80** (4.40-7.81)	**6.33** (4.65-8.79)
2-day	**1.75** (1.54-2.04)	**2.34** (2.05-2.73)	**3.10** (2.71-3.62)	**3.71** (3.22-4.37)	**4.53** (3.81-5.49)	**5.15** (4.25-6.36)	**5.77** (4.66-7.28)	**6.40** (5.04-8.29)	**7.24** (5.49-9.74)	**7.89** (5.80-11.0)
3-day	**1.98** (1.74-2.30)	**2.66** (2.33-3.09)	**3.52** (3.08-4.11)	**4.22** (3.66-4.96)	**5.15** (4.33-6.23)	**5.85** (4.83-7.22)	**6.55** (5.29-8.27)	**7.26** (5.72-9.40)	**8.21** (6.23-11.0)	**8.94** (6.56-12.4)
4-day	**2.16** (1.90-2.51)	**2.90** (2.54-3.38)	**3.85** (3.37-4.50)	**4.61** (4.00-5.42)	**5.63** (4.74-6.82)	**6.39** (5.28-7.90)	**7.16** (5.79-9.04)	**7.94** (6.25-10.3)	**8.98** (6.81-12.1)	**9.77** (7.18-13.6)
7-day	**2.55** (2.24-2.97)	**3.42** (3.00-3.98)	**4.54** (3.97-5.29)	**5.43** (4.72-6.39)	**6.63** (5.58-8.03)	**7.54** (6.23-9.31)	**8.45** (6.83-10.7)	**9.38** (7.39-12.2)	**10.6** (8.06-14.3)	**11.6** (8.51-16.1)
10-day	**2.82** (2.47-3.27)	**3.77** (3.30-4.39)	**5.00** (4.37-5.83)	**5.98** (5.19-7.03)	**7.30** (6.15-8.84)	**8.30** (6.86-10.2)	**9.31** (7.52-11.8)	**10.3** (8.14-13.4)	**11.7** (8.87-15.7)	**12.8** (9.37-17.7)
20-day	**3.45** (3.03-4.01)	**4.62** (4.05-5.38)	**6.12** (5.35-7.14)	**7.31** (6.35-8.60)	**8.90** (7.50-10.8)	**10.1** (8.35-12.5)	**11.3** (9.13-14.3)	**12.5** (9.86-16.2)	**14.1** (10.7-19.0)	**15.4** (11.3-21.4)
30-day	**4.14** (3.63-4.81)	**5.53** (4.84-6.43)	**7.29** (6.38-8.51)	**8.70** (7.55-10.2)	**10.6** (8.89-12.8)	**11.9** (9.87-14.8)	**13.3** (10.8-16.8)	**14.7** (11.6-19.1)	**16.6** (12.6-22.3)	**18.0** (13.2-25.0)
45-day	**4.88** (4.28-5.67)	**6.48** (5.68-7.54)	**8.50** (7.43-9.92)	**10.1** (8.76-11.9)	**12.2** (10.3-14.8)	**13.7** (11.4-17.0)	**15.3** (12.3-19.3)	**16.8** (13.3-21.8)	**18.9** (14.3-25.4)	**20.4** (15.0-28.3)
60-day	**5.69** (5.00-6.62)	**7.52** (6.59-8.75)	**9.80** (8.57-11.4)	**11.6** (10.1-13.6)	**13.9** (11.7-16.9)	**15.6** (12.9-19.3)	**17.3** (14.0-21.9)	**19.0** (15.0-24.6)	**21.2** (16.1-28.6)	**22.9** (16.8-31.8)

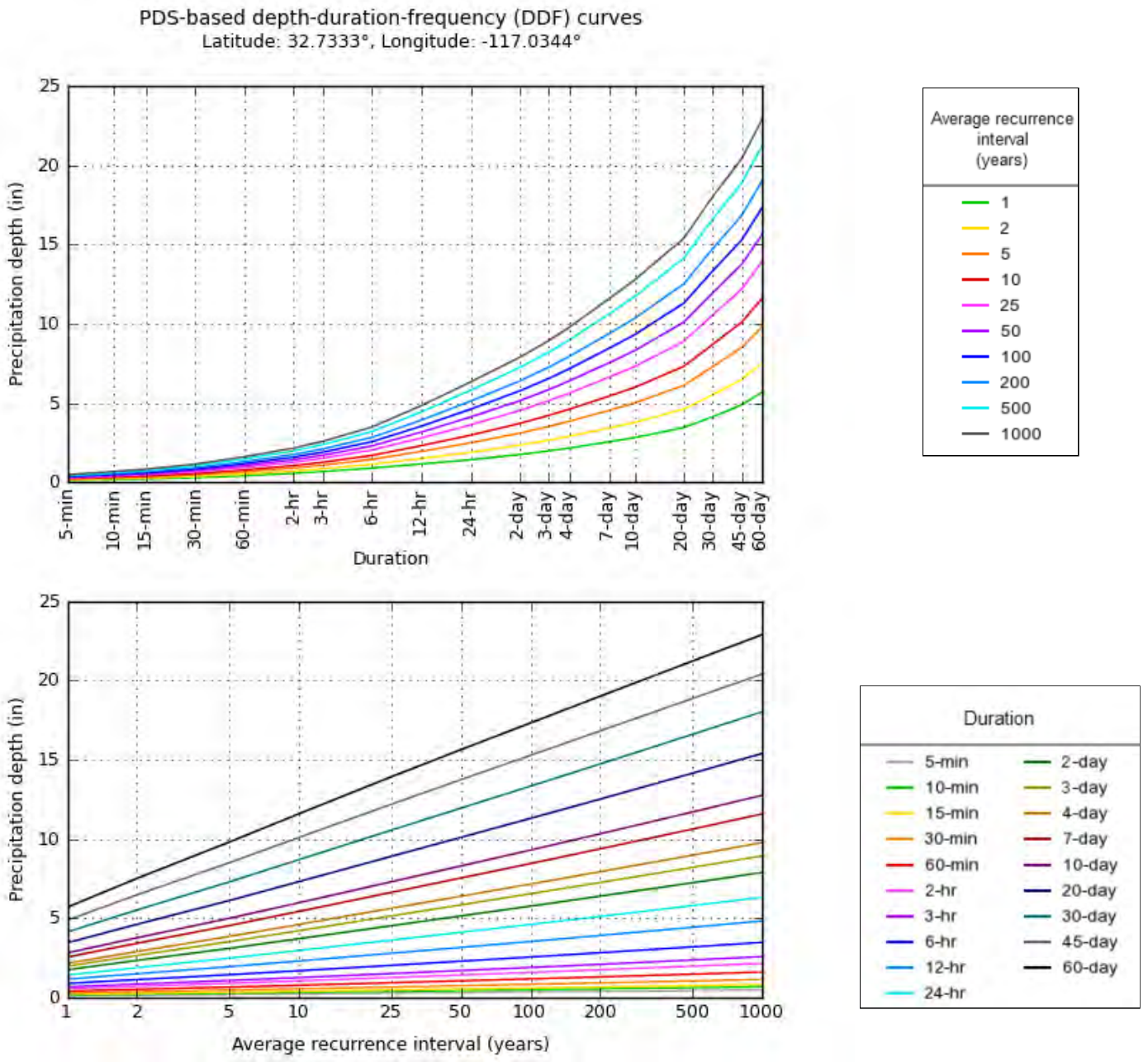
[1] Precipitation frequency (PF) estimates in this table are based on frequency analysis of partial duration series (PDS).

Numbers in parenthesis are PF estimates at lower and upper bounds of the 90% confidence interval. The probability that precipitation frequency estimates (for a given duration and average recurrence interval) will be greater than the upper bound (or less than the lower bound) is 5%. Estimates at upper bounds are not checked against probable maximum precipitation (PMP) estimates and may be higher than currently valid PMP values.

Please refer to NOAA Atlas 14 document for more information.

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PF graphical



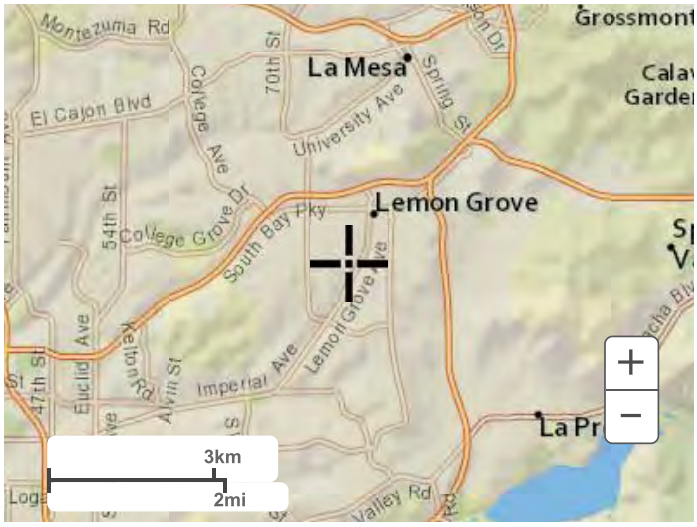
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Maps & aerials

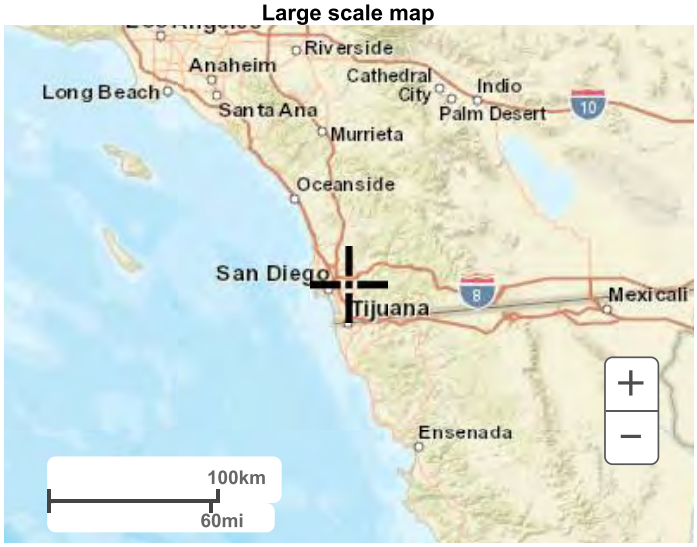
Small scale terrain



Large scale terrain



Large scale map



Large scale aerial



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Silver Spring, MD 20910
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NOAA Atlas 14, Volume 6, Version 2
Location name: Lemon Grove, California, USA*
Latitude: 32.7333°, Longitude: -117.0344°
Elevation: 420.08 ft**
* source: ESRI Maps
** source: USGS

POINT PRECIPITATION FREQUENCY ESTIMATES

Sanja Perica, Sarah Dietz, Sarah Heim, Lillian Hiner, Kazungu Maitaria, Deborah Martin, Sandra Pavlovic, Ishani Roy, Carl Trypaluk, Dale Unruh, Fenglin Yan, Michael Yekta, Tan Zhao, Geoffrey Bonnin, Daniel Brewer, Li-Chuan Chen, Tye Parzybok, John Yarchoan

NOAA, National Weather Service, Silver Spring, Maryland

PF_tabular | PF_graphical | Maps_&_aerials

PF tabular

PDS-based point precipitation frequency estimates with 90% confidence intervals (in inches/hour)[1]

Duration	Average recurrence interval (years)									
	1	2	5	10	25	50	100	200	500	1000
5-min	**1.45** (1.21-1.75)	**1.84** (1.54-2.22)	**2.34** (1.96-2.83)	**2.76** (2.28-3.36)	**3.31** (2.65-4.19)	**3.74** (2.93-4.84)	**4.18** (3.19-5.54)	**4.63** (3.43-6.32)	**5.24** (3.71-7.46)	**5.71** (3.91-8.44)
10-min	**1.04** (0.870-1.25)	**1.32** (1.10-1.59)	**1.68** (1.40-2.03)	**1.97** (1.64-2.41)	**2.38** (1.90-3.01)	**2.68** (2.10-3.47)	**3.00** (2.29-3.97)	**3.32** (2.45-4.53)	**3.76** (2.66-5.35)	**4.09** (2.80-6.05)
15-min	**0.840** (0.704-1.01)	**1.06** (0.888-1.28)	**1.36** (1.13-1.64)	**1.59** (1.32-1.94)	**1.92** (1.53-2.42)	**2.16** (1.69-2.80)	**2.42** (1.84-3.20)	**2.68** (1.98-3.65)	**3.03** (2.14-4.32)	**3.30** (2.26-4.88)
30-min	**0.582** (0.488-0.700)	**0.736** (0.616-0.890)	**0.940** (0.784-1.14)	**1.11** (0.914-1.35)	**1.33** (1.06-1.68)	**1.50** (1.17-1.94)	**1.68** (1.28-2.22)	**1.86** (1.37-2.53)	**2.10** (1.49-2.99)	**2.29** (1.57-3.38)
60-min	**0.409** (0.343-0.493)	**0.518** (0.434-0.625)	**0.661** (0.552-0.800)	**0.777** (0.643-0.949)	**0.935** (0.747-1.18)	**1.06** (0.825-1.36)	**1.18** (0.898-1.56)	**1.31** (0.966-1.78)	**1.48** (1.05-2.11)	**1.61** (1.10-2.38)
2-hr	**0.282** (0.237-0.340)	**0.355** (0.298-0.428)	**0.450** (0.376-0.544)	**0.527** (0.436-0.643)	**0.632** (0.504-0.798)	**0.712** (0.556-0.919)	**0.793** (0.604-1.05)	**0.877** (0.649-1.20)	**0.990** (0.702-1.41)	**1.08** (0.738-1.59)
3-hr	**0.226** (0.189-0.272)	**0.283** (0.237-0.342)	**0.359** (0.300-0.435)	**0.421** (0.348-0.513)	**0.504** (0.403-0.637)	**0.567** (0.444-0.733)	**0.632** (0.482-0.838)	**0.699** (0.517-0.954)	**0.789** (0.559-1.13)	**0.859** (0.587-1.27)
6-hr	**0.149** (0.125-0.180)	**0.189** (0.158-0.228)	**0.241** (0.201-0.291)	**0.283** (0.234-0.345)	**0.340** (0.271-0.429)	**0.383** (0.299-0.495)	**0.427** (0.325-0.566)	**0.472** (0.350-0.645)	**0.534** (0.378-0.761)	**0.581** (0.397-0.859)
12-hr	**0.096** (0.081-0.116)	**0.125** (0.104-0.150)	**0.162** (0.135-0.196)	**0.191** (0.159-0.234)	**0.232** (0.185-0.293)	**0.262** (0.205-0.339)	**0.293** (0.224-0.389)	**0.325** (0.241-0.444)	**0.368** (0.261-0.524)	**0.401** (0.274-0.592)
24-hr	**0.059** (0.052-0.069)	**0.079** (0.069-0.091)	**0.104** (0.091-0.121)	**0.124** (0.107-0.146)	**0.151** (0.127-0.183)	**0.171** (0.142-0.212)	**0.192** (0.155-0.243)	**0.213** (0.168-0.276)	**0.242** (0.183-0.325)	**0.264** (0.194-0.366)
2-day	**0.036** (0.032-0.042)	**0.049** (0.043-0.057)	**0.065** (0.057-0.075)	**0.077** (0.067-0.091)	**0.094** (0.079-0.114)	**0.107** (0.089-0.132)	**0.120** (0.097-0.152)	**0.133** (0.105-0.173)	**0.151** (0.114-0.203)	**0.164** (0.121-0.228)
3-day	**0.028** (0.024-0.032)	**0.037** (0.032-0.043)	**0.049** (0.043-0.057)	**0.059** (0.051-0.069)	**0.071** (0.060-0.087)	**0.081** (0.067-0.100)	**0.091** (0.073-0.115)	**0.101** (0.079-0.131)	**0.114** (0.086-0.153)	**0.124** (0.091-0.172)
4-day	**0.023** (0.020-0.026)	**0.030** (0.027-0.035)	**0.040** (0.035-0.047)	**0.048** (0.042-0.056)	**0.059** (0.049-0.071)	**0.067** (0.055-0.082)	**0.075** (0.060-0.094)	**0.083** (0.065-0.107)	**0.094** (0.071-0.126)	**0.102** (0.075-0.141)
7-day	**0.015** (0.013-0.018)	**0.020** (0.018-0.024)	**0.027** (0.024-0.032)	**0.032** (0.028-0.038)	**0.039** (0.033-0.048)	**0.045** (0.037-0.055)	**0.050** (0.041-0.064)	**0.056** (0.044-0.072)	**0.063** (0.048-0.085)	**0.069** (0.051-0.096)
10-day	**0.012** (0.010-0.014)	**0.016** (0.014-0.018)	**0.021** (0.018-0.024)	**0.025** (0.022-0.029)	**0.030** (0.026-0.037)	**0.035** (0.029-0.043)	**0.039** (0.031-0.049)	**0.043** (0.034-0.056)	**0.049** (0.037-0.066)	**0.053** (0.039-0.074)
20-day	**0.007** (0.006-0.008)	**0.010** (0.008-0.011)	**0.013** (0.011-0.015)	**0.015** (0.013-0.018)	**0.019** (0.016-0.022)	**0.021** (0.017-0.026)	**0.024** (0.019-0.030)	**0.026** (0.021-0.034)	**0.029** (0.022-0.040)	**0.032** (0.024-0.045)
30-day	**0.006** (0.005-0.007)	**0.008** (0.007-0.009)	**0.010** (0.009-0.012)	**0.012** (0.010-0.014)	**0.015** (0.012-0.018)	**0.017** (0.014-0.020)	**0.019** (0.015-0.023)	**0.020** (0.016-0.026)	**0.023** (0.017-0.031)	**0.025** (0.018-0.035)
45-day	**0.005** (0.004-0.005)	**0.006** (0.005-0.007)	**0.008** (0.007-0.009)	**0.009** (0.008-0.011)	**0.011** (0.010-0.014)	**0.013** (0.011-0.016)	**0.014** (0.011-0.018)	**0.016** (0.012-0.020)	**0.017** (0.013-0.024)	**0.019** (0.014-0.026)
60-day	**0.004** (0.003-0.005)	**0.005** (0.005-0.006)	**0.007** (0.006-0.008)	**0.008** (0.007-0.009)	**0.010** (0.008-0.012)	**0.011** (0.009-0.013)	**0.012** (0.010-0.015)	**0.013** (0.010-0.017)	**0.015** (0.011-0.020)	**0.016** (0.012-0.022)

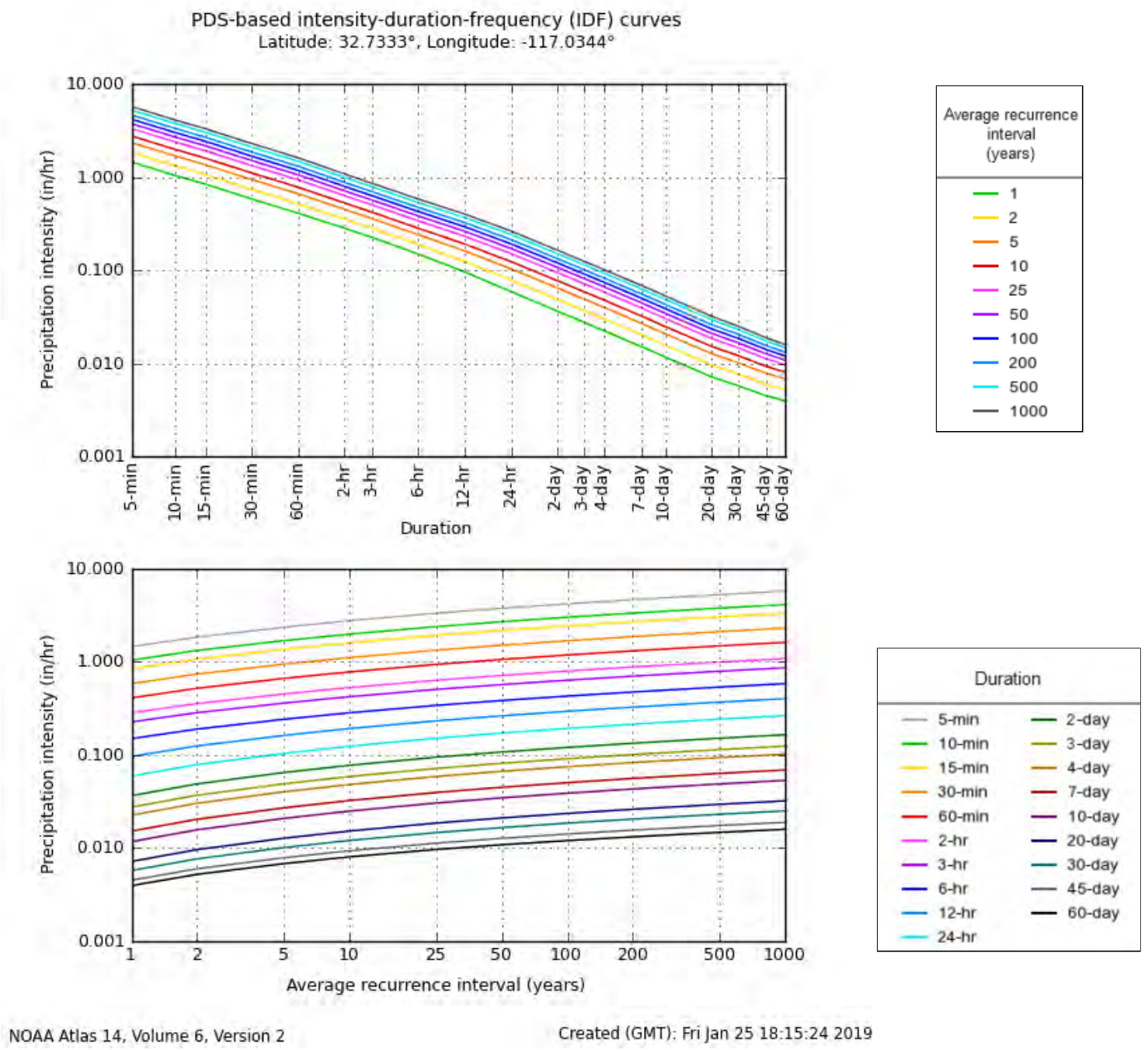
[1] Precipitation frequency (PF) estimates in this table are based on frequency analysis of partial duration series (PDS).

Numbers in parenthesis are PF estimates at lower and upper bounds of the 90% confidence interval. The probability that precipitation frequency estimates (for a given duration and average recurrence interval) will be greater than the upper bound (or less than the lower bound) is 5%. Estimates at upper bounds are not checked against probable maximum precipitation (PMP) estimates and may be higher than currently valid PMP values.

Please refer to NOAA Atlas 14 document for more information.

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PF graphical



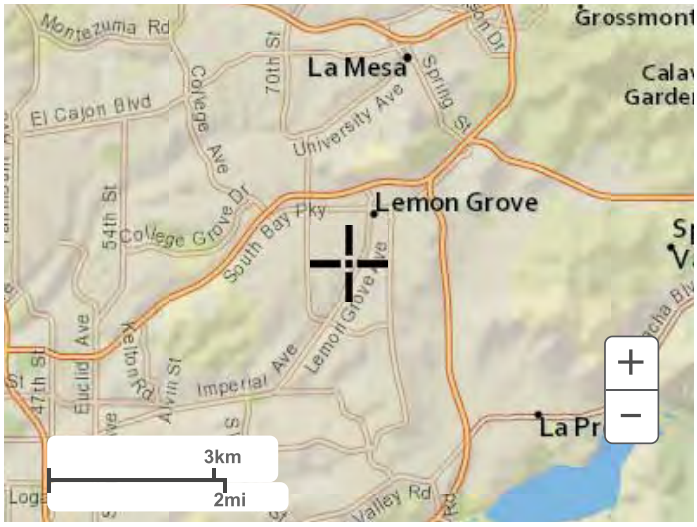
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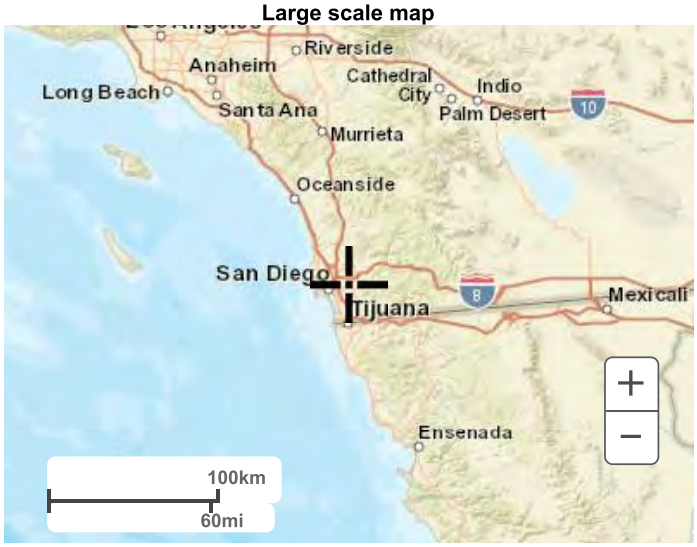
Small scale terrain



Large scale terrain



Large scale map



Large scale aerial



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National Weather Service
National Water Center
1325 East West Highway
Silver Spring, MD 20910
Questions?: HDSC.Questions@noaa.gov

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Chollas Data

NOAA Atlas 14, Volume 6, Version 2 CHOLLAS RESERVOIR
Station ID: 92-0510
Location name: San Diego, California, USA*
Latitude: 32.7333°, Longitude: -117.0667°
Elevation:
Elevation (station metadata): 430 ft**
* source: ESRI Maps
** source: USGS

POINT PRECIPITATION FREQUENCY ESTIMATES

Sanja Perica, Sarah Dietz, Sarah Heim, Lillian Hiner, Kazungu Maitaria, Deborah Martin, Sandra Pavlovic, Ishani Roy, Carl Trypaluk, Dale Unruh, Fenglin Yan, Michael Yekta, Tan Zhao, Geoffrey Bonnin, Daniel Brewer, Li-Chuan Chen, Tye Parzybok, John Yarchoan

NOAA, National Weather Service, Silver Spring, Maryland

PF_tabular | PF_graphical | Maps_&_aerials

PF tabular

PDS-based point precipitation frequency estimates with 90% confidence intervals (in inches)[1]

Duration	Average recurrence interval (years)									
	1	2	5	10	25	50	100	200	500	1000
5-min	**0.120** (0.101-0.145)	**0.152** (0.127-0.183)	**0.192** (0.160-0.232)	**0.225** (0.186-0.275)	**0.269** (0.215-0.341)	**0.304** (0.237-0.392)	**0.338** (0.258-0.448)	**0.374** (0.277-0.510)	**0.422** (0.299-0.601)	**0.459** (0.314-0.678)
10-min	**0.173** (0.145-0.208)	**0.217** (0.182-0.262)	**0.275** (0.230-0.333)	**0.322** (0.267-0.394)	**0.386** (0.309-0.488)	**0.435** (0.340-0.562)	**0.485** (0.369-0.643)	**0.536** (0.396-0.731)	**0.604** (0.428-0.861)	**0.657** (0.449-0.972)
15-min	**0.209** (0.175-0.252)	**0.263** (0.220-0.317)	**0.333** (0.278-0.403)	**0.390** (0.323-0.476)	**0.467** (0.373-0.591)	**0.526** (0.411-0.680)	**0.586** (0.447-0.777)	**0.648** (0.479-0.884)	**0.731** (0.518-1.04)	**0.795** (0.544-1.18)
30-min	**0.289** (0.242-0.349)	**0.364** (0.304-0.439)	**0.461** (0.385-0.558)	**0.540** (0.447-0.659)	**0.647** (0.517-0.818)	**0.729** (0.570-0.942)	**0.812** (0.619-1.08)	**0.897** (0.664-1.23)	**1.01** (0.717-1.44)	**1.10** (0.753-1.63)
60-min	**0.407** (0.341-0.490)	**0.511** (0.428-0.617)	**0.648** (0.541-0.785)	**0.759** (0.628-0.927)	**0.910** (0.727-1.15)	**1.02** (0.801-1.33)	**1.14** (0.870-1.51)	**1.26** (0.934-1.72)	**1.42** (1.01-2.03)	**1.55** (1.06-2.29)
2-hr	**0.562** (0.471-0.677)	**0.699** (0.585-0.843)	**0.878** (0.733-1.06)	**1.02** (0.847-1.25)	**1.22** (0.977-1.55)	**1.38** (1.08-1.78)	**1.53** (1.17-2.03)	**1.69** (1.25-2.31)	**1.91** (1.36-2.73)	**2.08** (1.42-3.08)
3-hr	**0.673** (0.564-0.811)	**0.837** (0.700-1.01)	**1.05** (0.878-1.27)	**1.23** (1.02-1.50)	**1.47** (1.17-1.86)	**1.65** (1.29-2.13)	**1.84** (1.40-2.44)	**2.03** (1.50-2.77)	**2.29** (1.63-3.27)	**2.50** (1.71-3.69)
6-hr	**0.884** (0.741-1.07)	**1.11** (0.931-1.34)	**1.41** (1.18-1.71)	**1.65** (1.37-2.02)	**1.98** (1.58-2.50)	**2.23** (1.74-2.88)	**2.49** (1.90-3.30)	**2.75** (2.04-3.75)	**3.11** (2.20-4.43)	**3.38** (2.31-5.00)
12-hr	**1.13** (0.950-1.37)	**1.48** (1.24-1.78)	**1.92** (1.60-2.32)	**2.27** (1.88-2.77)	**2.74** (2.19-3.47)	**3.10** (2.42-4.01)	**3.46** (2.64-4.59)	**3.82** (2.83-5.22)	**4.31** (3.05-6.14)	**4.68** (3.20-6.92)
24-hr	**1.37** (1.20-1.60)	**1.85** (1.63-2.16)	**2.47** (2.16-2.88)	**2.95** (2.56-3.47)	**3.59** (3.03-4.36)	**4.07** (3.37-5.03)	**4.55** (3.67-5.74)	**5.03** (3.96-6.51)	**5.65** (4.29-7.61)	**6.13** (4.50-8.52)
2-day	**1.68** (1.47-1.95)	**2.29** (2.00-2.66)	**3.06** (2.67-3.57)	**3.67** (3.18-4.32)	**4.47** (3.77-5.42)	**5.08** (4.19-6.27)	**5.67** (4.58-7.16)	**6.27** (4.93-8.12)	**7.05** (5.35-9.49)	**7.65** (5.62-10.6)
3-day	**1.90** (1.67-2.21)	**2.59** (2.27-3.02)	**3.47** (3.03-4.04)	**4.16** (3.61-4.89)	**5.07** (4.27-6.15)	**5.75** (4.75-7.11)	**6.43** (5.19-8.12)	**7.11** (5.60-9.21)	**8.00** (6.06-10.8)	**8.67** (6.37-12.0)
4-day	**2.08** (1.82-2.42)	**2.83** (2.48-3.30)	**3.79** (3.31-4.42)	**4.54** (3.94-5.34)	**5.54** (4.67-6.72)	**6.29** (5.20-7.77)	**7.03** (5.68-8.88)	**7.77** (6.12-10.1)	**8.75** (6.64-11.8)	**9.49** (6.97-13.2)
7-day	**2.46** (2.16-2.86)	**3.33** (2.92-3.88)	**4.44** (3.88-5.19)	**5.33** (4.62-6.27)	**6.50** (5.48-7.88)	**7.39** (6.10-9.12)	**8.26** (6.68-10.4)	**9.15** (7.21-11.9)	**10.3** (7.83-13.9)	**11.2** (8.24-15.6)
10-day	**2.72** (2.38-3.16)	**3.67** (3.21-4.27)	**4.88** (4.26-5.69)	**5.85** (5.07-6.87)	**7.13** (6.00-8.64)	**8.10** (6.69-10.00)	**9.06** (7.32-11.4)	**10.0** (7.90-13.0)	**11.3** (8.59-15.2)	**12.3** (9.04-17.1)
20-day	**3.34** (2.93-3.89)	**4.49** (3.93-5.23)	**5.95** (5.20-6.94)	**7.11** (6.17-8.36)	**8.64** (7.27-10.5)	**9.78** (8.08-12.1)	**10.9** (8.82-13.8)	**12.1** (9.51-15.6)	**13.6** (10.3-18.3)	**14.7** (10.8-20.5)
30-day	**4.01** (3.52-4.66)	**5.36** (4.70-6.24)	**7.07** (6.18-8.25)	**8.41** (7.30-9.89)	**10.2** (8.57-12.3)	**11.5** (9.50-14.2)	**12.8** (10.3-16.2)	**14.1** (11.1-18.3)	**15.8** (12.0-21.3)	**17.1** (12.6-23.8)
45-day	**4.73** (4.15-5.50)	**6.26** (5.49-7.29)	**8.19** (7.16-9.56)	**9.70** (8.42-11.4)	**11.7** (9.83-14.1)	**13.1** (10.8-16.2)	**14.6** (11.8-18.4)	**16.0** (12.6-20.7)	**17.8** (13.5-24.0)	**19.2** (14.1-26.7)
60-day	**5.55** (4.87-6.45)	**7.28** (6.38-8.48)	**9.45** (8.26-11.0)	**11.1** (9.66-13.1)	**13.3** (11.2-16.1)	**14.9** (12.3-18.4)	**16.5** (13.3-20.8)	**18.0** (14.2-23.3)	**20.0** (15.2-26.9)	**21.5** (15.8-29.9)

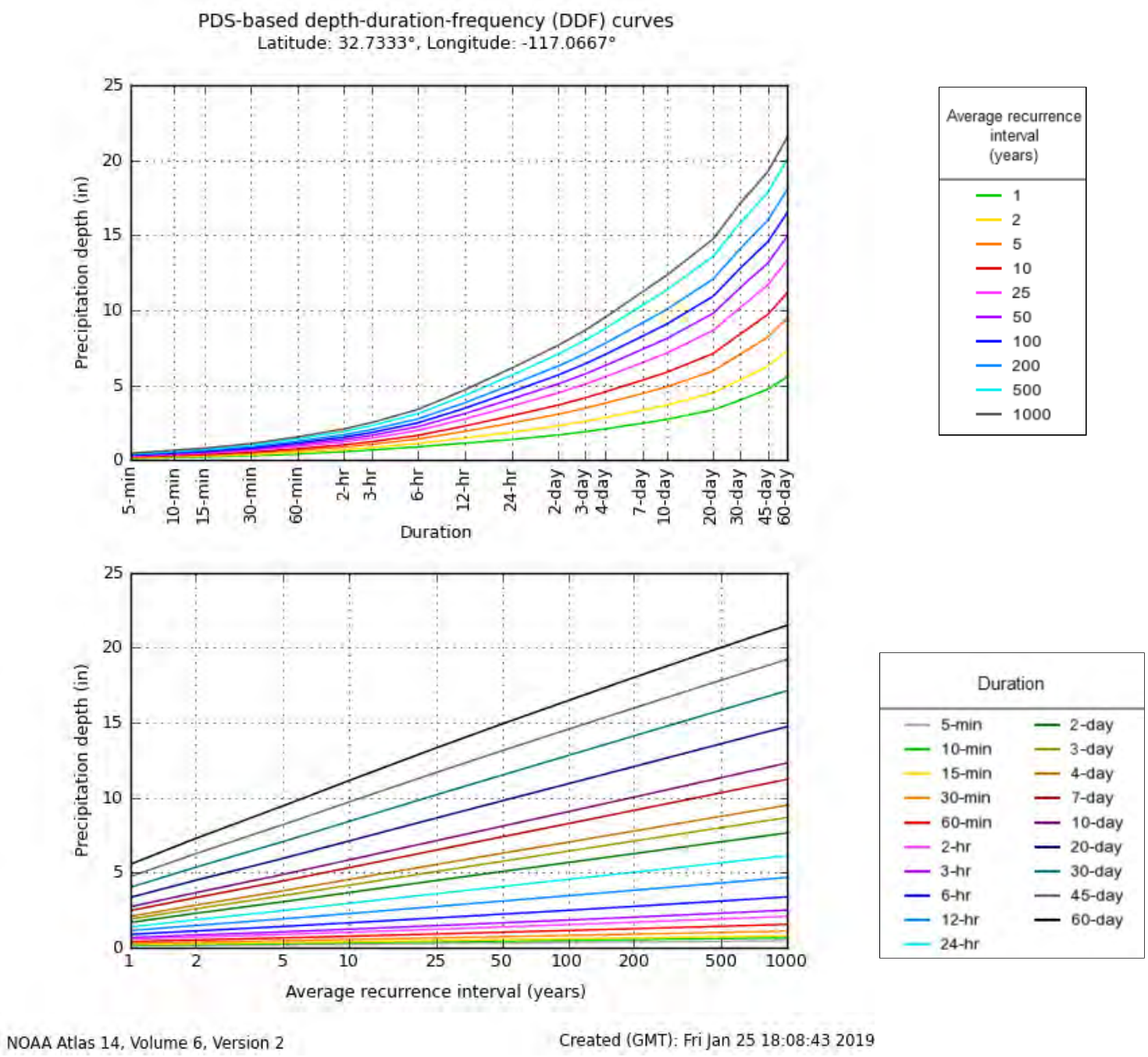
[1] Precipitation frequency (PF) estimates in this table are based on frequency analysis of partial duration series (PDS).

Numbers in parenthesis are PF estimates at lower and upper bounds of the 90% confidence interval. The probability that precipitation frequency estimates (for a given duration and average recurrence interval) will be greater than the upper bound (or less than the lower bound) is 5%. Estimates at upper bounds are not checked against probable maximum precipitation (PMP) estimates and may be higher than currently valid PMP values.

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PF graphical



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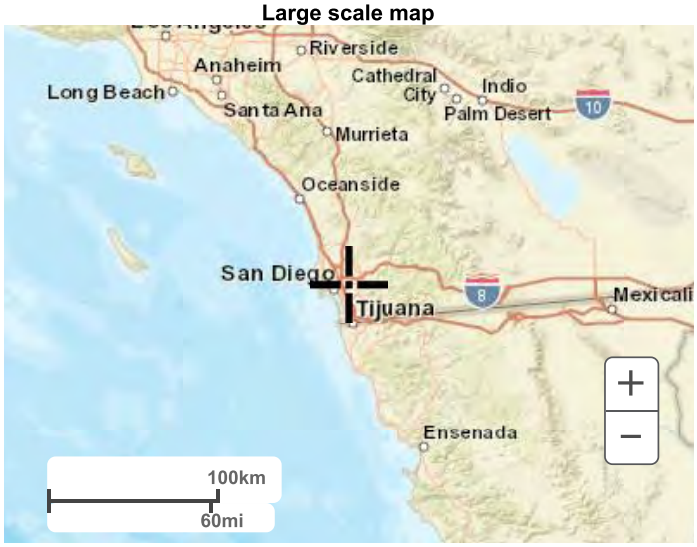
Small scale terrain



Large scale terrain



Large scale map



Large scale aerial



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Questions?: HDSC.Questions@noaa.gov

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NOAA Atlas 14, Volume 6, Version 2
Location name: San Diego, California, USA*
Latitude: 32.7333°, Longitude: -117.0667°
Elevation: 445.15 ft**
* source: ESRI Maps
** source: USGS

POINT PRECIPITATION FREQUENCY ESTIMATES

Sanja Perica, Sarah Dietz, Sarah Heim, Lillian Hiner, Kazungu Maitaria, Deborah Martin, Sandra Pavlovic, Ishani Roy, Carl Trypaluk, Dale Unruh, Fenglin Yan, Michael Yekta, Tan Zhao, Geoffrey Bonnin, Daniel Brewer, Li-Chuan Chen, Tye Parzybok, John Yarchoan

NOAA, National Weather Service, Silver Spring, Maryland

PF_tabular | PF_graphical | Maps_&_aerials

PF tabular

PDS-based point precipitation frequency estimates with 90% confidence intervals (in inches/hour)[1]

Duration	Average recurrence interval (years)									
	1	2	5	10	25	50	100	200	500	1000
5-min	**1.44** (1.21-1.74)	**1.82** (1.52-2.20)	**2.30** (1.92-2.78)	**2.70** (2.23-3.30)	**3.23** (2.58-4.09)	**3.65** (2.84-4.70)	**4.06** (3.10-5.38)	**4.49** (3.32-6.12)	**5.06** (3.59-7.21)	**5.51** (3.77-8.14)
10-min	**1.04** (0.870-1.25)	**1.30** (1.09-1.57)	**1.65** (1.38-2.00)	**1.93** (1.60-2.36)	**2.32** (1.85-2.93)	**2.61** (2.04-3.37)	**2.91** (2.21-3.86)	**3.22** (2.38-4.39)	**3.62** (2.57-5.17)	**3.94** (2.69-5.83)
15-min	**0.836** (0.700-1.01)	**1.05** (0.880-1.27)	**1.33** (1.11-1.61)	**1.56** (1.29-1.90)	**1.87** (1.49-2.36)	**2.10** (1.64-2.72)	**2.34** (1.79-3.11)	**2.59** (1.92-3.54)	**2.92** (2.07-4.17)	**3.18** (2.18-4.70)
30-min	**0.578** (0.484-0.698)	**0.728** (0.608-0.878)	**0.922** (0.770-1.12)	**1.08** (0.894-1.32)	**1.29** (1.03-1.64)	**1.46** (1.14-1.88)	**1.62** (1.24-2.15)	**1.79** (1.33-2.45)	**2.02** (1.43-2.89)	**2.20** (1.51-3.25)
60-min	**0.407** (0.341-0.490)	**0.511** (0.428-0.617)	**0.648** (0.541-0.785)	**0.759** (0.628-0.927)	**0.910** (0.727-1.15)	**1.02** (0.801-1.33)	**1.14** (0.870-1.51)	**1.26** (0.934-1.72)	**1.42** (1.01-2.03)	**1.55** (1.06-2.29)
2-hr	**0.281** (0.236-0.338)	**0.350** (0.292-0.422)	**0.439** (0.366-0.532)	**0.512** (0.424-0.625)	**0.612** (0.488-0.773)	**0.688** (0.538-0.890)	**0.766** (0.584-1.02)	**0.847** (0.627-1.16)	**0.956** (0.678-1.36)	**1.04** (0.712-1.54)
3-hr	**0.224** (0.188-0.270)	**0.279** (0.233-0.336)	**0.350** (0.292-0.424)	**0.409** (0.338-0.499)	**0.489** (0.390-0.618)	**0.550** (0.430-0.710)	**0.612** (0.466-0.812)	**0.676** (0.500-0.923)	**0.764** (0.541-1.09)	**0.832** (0.569-1.23)
6-hr	**0.148** (0.124-0.178)	**0.186** (0.155-0.224)	**0.235** (0.196-0.285)	**0.276** (0.228-0.337)	**0.331** (0.264-0.418)	**0.373** (0.291-0.482)	**0.415** (0.316-0.551)	**0.459** (0.340-0.627)	**0.519** (0.367-0.739)	**0.565** (0.386-0.834)
12-hr	**0.094** (0.079-0.113)	**0.123** (0.103-0.148)	**0.159** (0.133-0.193)	**0.188** (0.156-0.230)	**0.228** (0.182-0.288)	**0.257** (0.201-0.333)	**0.287** (0.219-0.381)	**0.317** (0.235-0.433)	**0.358** (0.253-0.510)	**0.389** (0.266-0.574)
24-hr	**0.057** (0.050-0.067)	**0.077** (0.068-0.090)	**0.103** (0.090-0.120)	**0.123** (0.107-0.145)	**0.150** (0.126-0.182)	**0.170** (0.140-0.210)	**0.190** (0.153-0.239)	**0.209** (0.165-0.271)	**0.236** (0.179-0.317)	**0.255** (0.188-0.355)
2-day	**0.035** (0.031-0.041)	**0.048** (0.042-0.055)	**0.064** (0.056-0.074)	**0.076** (0.066-0.090)	**0.093** (0.078-0.113)	**0.106** (0.087-0.131)	**0.118** (0.095-0.149)	**0.131** (0.103-0.169)	**0.147** (0.111-0.198)	**0.159** (0.117-0.221)
3-day	**0.026** (0.023-0.031)	**0.036** (0.032-0.042)	**0.048** (0.042-0.056)	**0.058** (0.050-0.068)	**0.070** (0.059-0.085)	**0.080** (0.066-0.099)	**0.089** (0.072-0.113)	**0.099** (0.078-0.128)	**0.111** (0.084-0.150)	**0.120** (0.088-0.167)
4-day	**0.022** (0.019-0.025)	**0.029** (0.026-0.034)	**0.039** (0.034-0.046)	**0.047** (0.041-0.056)	**0.058** (0.049-0.070)	**0.066** (0.054-0.081)	**0.073** (0.059-0.092)	**0.081** (0.064-0.105)	**0.091** (0.069-0.123)	**0.099** (0.073-0.137)
7-day	**0.015** (0.013-0.017)	**0.020** (0.017-0.023)	**0.026** (0.023-0.031)	**0.032** (0.028-0.037)	**0.039** (0.033-0.047)	**0.044** (0.036-0.054)	**0.049** (0.040-0.062)	**0.054** (0.043-0.071)	**0.061** (0.047-0.083)	**0.067** (0.049-0.093)
10-day	**0.011** (0.010-0.013)	**0.015** (0.013-0.018)	**0.020** (0.018-0.024)	**0.024** (0.021-0.029)	**0.030** (0.025-0.036)	**0.034** (0.028-0.042)	**0.038** (0.030-0.048)	**0.042** (0.033-0.054)	**0.047** (0.036-0.064)	**0.051** (0.038-0.071)
20-day	**0.007** (0.006-0.008)	**0.009** (0.008-0.011)	**0.012** (0.011-0.014)	**0.015** (0.013-0.017)	**0.018** (0.015-0.022)	**0.020** (0.017-0.025)	**0.023** (0.018-0.029)	**0.025** (0.020-0.033)	**0.028** (0.021-0.038)	**0.031** (0.023-0.043)
30-day	**0.006** (0.005-0.006)	**0.007** (0.007-0.009)	**0.010** (0.009-0.011)	**0.012** (0.010-0.014)	**0.014** (0.012-0.017)	**0.016** (0.013-0.020)	**0.018** (0.014-0.022)	**0.020** (0.015-0.025)	**0.022** (0.017-0.030)	**0.024** (0.017-0.033)
45-day	**0.004** (0.004-0.005)	**0.006** (0.005-0.007)	**0.008** (0.007-0.009)	**0.009** (0.008-0.011)	**0.011** (0.009-0.013)	**0.012** (0.010-0.015)	**0.013** (0.011-0.017)	**0.015** (0.012-0.019)	**0.017** (0.013-0.022)	**0.018** (0.013-0.025)
60-day	**0.004** (0.003-0.004)	**0.005** (0.004-0.006)	**0.007** (0.006-0.008)	**0.008** (0.007-0.009)	**0.009** (0.008-0.011)	**0.010** (0.009-0.013)	**0.011** (0.009-0.014)	**0.013** (0.010-0.016)	**0.014** (0.011-0.019)	**0.015** (0.011-0.021)

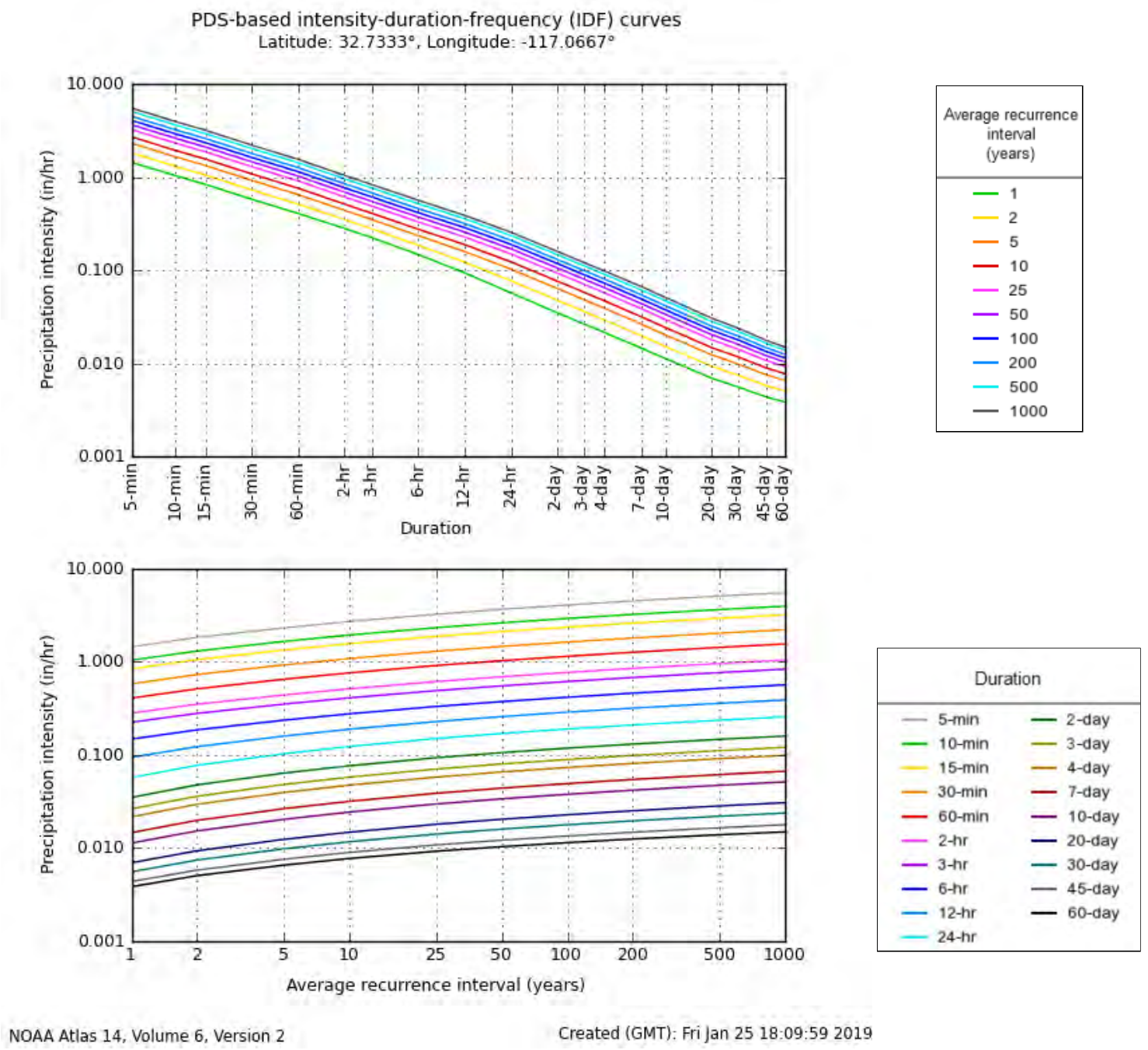
[1] Precipitation frequency (PF) estimates in this table are based on frequency analysis of partial duration series (PDS).

Numbers in parenthesis are PF estimates at lower and upper bounds of the 90% confidence interval. The probability that precipitation frequency estimates (for a given duration and average recurrence interval) will be greater than the upper bound (or less than the lower bound) is 5%. Estimates at upper bounds are not checked against probable maximum precipitation (PMP) estimates and may be higher than currently valid PMP values.

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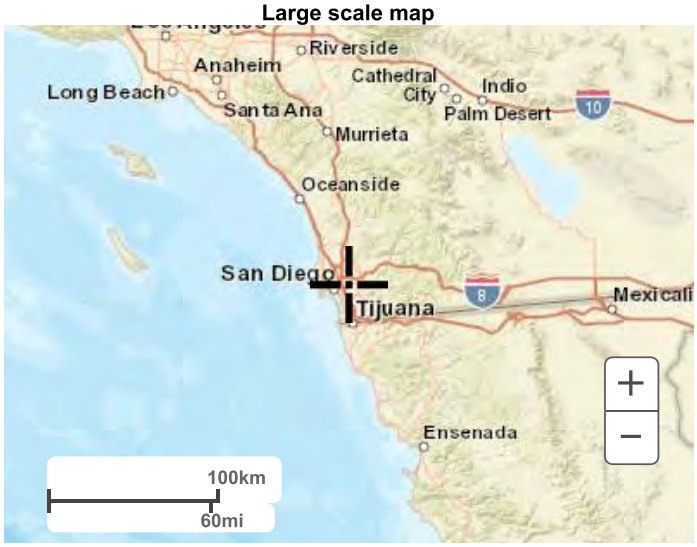
Small scale terrain



Large scale terrain



Large scale map



Large scale aerial



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1325 East West Highway
Silver Spring, MD 20910
Questions?: HDSC.Questions@noaa.gov

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La Mesa Data

NOAA Atlas 14, Volume 6, Version 2
Location name: La Mesa, California, USA*
Latitude: 32.7675°, Longitude: -117.0233°
Elevation: 533.01 ft**
* source: ESRI Maps
** source: USGS

POINT PRECIPITATION FREQUENCY ESTIMATES

Sanja Perica, Sarah Dietz, Sarah Heim, Lillian Hiner, Kazungu Maitaria, Deborah Martin, Sandra Pavlovic, Ishani Roy, Carl Trypaluk, Dale Unruh, Fenglin Yan, Michael Yekta, Tan Zhao, Geoffrey Bonnin, Daniel Brewer, Li-Chuan Chen, Tye Parzybok, John Yarchoan

NOAA, National Weather Service, Silver Spring, Maryland

PF_tabular | PF_graphical | Maps_&_aerials

PF tabular

PDS-based point precipitation frequency estimates with 90% confidence intervals (in inches)[1]

Duration	Average recurrence interval (years)									
	1	2	5	10	25	50	100	200	500	1000
5-min	**0.123** (0.103-0.148)	**0.157** (0.132-0.189)	**0.201** (0.168-0.243)	**0.237** (0.196-0.289)	**0.286** (0.229-0.361)	**0.323** (0.253-0.417)	**0.360** (0.275-0.478)	**0.399** (0.295-0.544)	**0.451** (0.320-0.643)	**0.491** (0.336-0.725)
10-min	**0.176** (0.148-0.212)	**0.225** (0.189-0.271)	**0.289** (0.241-0.349)	**0.340** (0.282-0.415)	**0.410** (0.328-0.517)	**0.463** (0.362-0.598)	**0.517** (0.394-0.685)	**0.572** (0.423-0.780)	**0.646** (0.458-0.921)	**0.704** (0.481-1.04)
15-min	**0.213** (0.179-0.257)	**0.272** (0.228-0.328)	**0.349** (0.292-0.422)	**0.411** (0.341-0.502)	**0.495** (0.396-0.626)	**0.560** (0.438-0.723)	**0.625** (0.476-0.828)	**0.692** (0.512-0.944)	**0.782** (0.554-1.11)	**0.851** (0.582-1.26)
30-min	**0.296** (0.248-0.356)	**0.378** (0.316-0.455)	**0.484** (0.404-0.585)	**0.571** (0.473-0.696)	**0.687** (0.550-0.868)	**0.777** (0.608-1.00)	**0.867** (0.661-1.15)	**0.960** (0.710-1.31)	**1.08** (0.769-1.55)	**1.18** (0.807-1.75)
60-min	**0.417** (0.350-0.502)	**0.532** (0.446-0.642)	**0.682** (0.570-0.825)	**0.804** (0.666-0.981)	**0.969** (0.775-1.22)	**1.09** (0.856-1.41)	**1.22** (0.931-1.62)	**1.35** (1.00-1.85)	**1.53** (1.08-2.18)	**1.66** (1.14-2.46)
2-hr	**0.577** (0.484-0.694)	**0.730** (0.611-0.880)	**0.929** (0.776-1.12)	**1.09** (0.903-1.33)	**1.31** (1.05-1.65)	**1.47** (1.15-1.90)	**1.64** (1.25-2.17)	**1.81** (1.34-2.48)	**2.05** (1.45-2.92)	**2.22** (1.52-3.29)
3-hr	**0.691** (0.580-0.833)	**0.875** (0.733-1.06)	**1.12** (0.931-1.35)	**1.31** (1.08-1.60)	**1.57** (1.25-1.98)	**1.77** (1.38-2.28)	**1.97** (1.50-2.61)	**2.18** (1.61-2.97)	**2.45** (1.74-3.50)	**2.67** (1.82-3.94)
6-hr	**0.916** (0.769-1.10)	**1.17** (0.982-1.41)	**1.50** (1.26-1.82)	**1.77** (1.47-2.16)	**2.13** (1.71-2.69)	**2.41** (1.88-3.11)	**2.69** (2.05-3.56)	**2.97** (2.20-4.05)	**3.35** (2.38-4.78)	**3.65** (2.49-5.39)
12-hr	**1.18** (0.989-1.42)	**1.56** (1.31-1.89)	**2.06** (1.72-2.49)	**2.46** (2.04-3.00)	**3.00** (2.40-3.79)	**3.41** (2.66-4.40)	**3.82** (2.91-5.06)	**4.24** (3.14-5.78)	**4.80** (3.40-6.84)	**5.23** (3.58-7.73)
24-hr	**1.44** (1.27-1.68)	**1.97** (1.72-2.29)	**2.64** (2.31-3.08)	**3.19** (2.77-3.74)	**3.92** (3.30-4.74)	**4.47** (3.70-5.52)	**5.03** (4.07-6.35)	**5.60** (4.42-7.26)	**6.37** (4.83-8.57)	**6.96** (5.11-9.67)
2-day	**1.82** (1.60-2.12)	**2.43** (2.13-2.83)	**3.22** (2.82-3.76)	**3.87** (3.36-4.54)	**4.74** (3.99-5.74)	**5.40** (4.47-6.67)	**6.07** (4.91-7.67)	**6.76** (5.33-8.76)	**7.69** (5.84-10.4)	**8.41** (6.18-11.7)
3-day	**2.09** (1.83-2.43)	**2.75** (2.41-3.20)	**3.61** (3.16-4.21)	**4.32** (3.75-5.07)	**5.27** (4.44-6.38)	**6.00** (4.96-7.40)	**6.74** (5.45-8.51)	**7.50** (5.91-9.71)	**8.53** (6.47-11.5)	**9.33** (6.85-13.0)
4-day	**2.29** (2.01-2.66)	**3.00** (2.63-3.49)	**3.93** (3.44-4.58)	**4.68** (4.07-5.50)	**5.71** (4.81-6.91)	**6.49** (5.37-8.02)	**7.29** (5.90-9.21)	**8.12** (6.40-10.5)	**9.24** (7.00-12.4)	**10.1** (7.42-14.0)
7-day	**2.72** (2.39-3.17)	**3.56** (3.13-4.14)	**4.66** (4.08-5.43)	**5.56** (4.83-6.53)	**6.78** (5.71-8.20)	**7.71** (6.38-9.52)	**8.67** (7.01-10.9)	**9.65** (7.61-12.5)	**11.0** (8.33-14.8)	**12.0** (8.84-16.7)
10-day	**2.99** (2.63-3.47)	**3.92** (3.44-4.57)	**5.15** (4.51-6.00)	**6.15** (5.34-7.22)	**7.50** (6.32-9.08)	**8.54** (7.06-10.5)	**9.60** (7.76-12.1)	**10.7** (8.43-13.9)	**12.2** (9.24-16.4)	**13.3** (9.79-18.5)
20-day	**3.63** (3.19-4.22)	**4.82** (4.23-5.60)	**6.36** (5.57-7.42)	**7.62** (6.62-8.95)	**9.32** (7.85-11.3)	**10.6** (8.78-13.1)	**11.9** (9.65-15.1)	**13.3** (10.5-17.2)	**15.1** (11.5-20.3)	**16.5** (12.1-22.9)
30-day	**4.31** (3.79-5.01)	**5.76** (5.05-6.70)	**7.64** (6.69-8.91)	**9.16** (7.96-10.8)	**11.2** (9.44-13.6)	**12.8** (10.5-15.8)	**14.3** (11.6-18.1)	**15.9** (12.6-20.6)	**18.1** (13.7-24.3)	**19.7** (14.5-27.4)
45-day	**5.04** (4.42-5.85)	**6.77** (5.94-7.87)	**9.00** (7.88-10.5)	**10.8** (9.37-12.7)	**13.2** (11.1-16.0)	**15.0** (12.4-18.5)	**16.8** (13.6-21.2)	**18.6** (14.7-24.2)	**21.1** (16.0-28.4)	**23.0** (16.9-31.9)
60-day	**5.83** (5.12-6.77)	**7.85** (6.89-9.13)	**10.4** (9.13-12.2)	**12.5** (10.9-14.7)	**15.3** (12.9-18.5)	**17.3** (14.3-21.4)	**19.4** (15.7-24.5)	**21.5** (16.9-27.8)	**24.2** (18.4-32.6)	**26.3** (19.4-36.6)

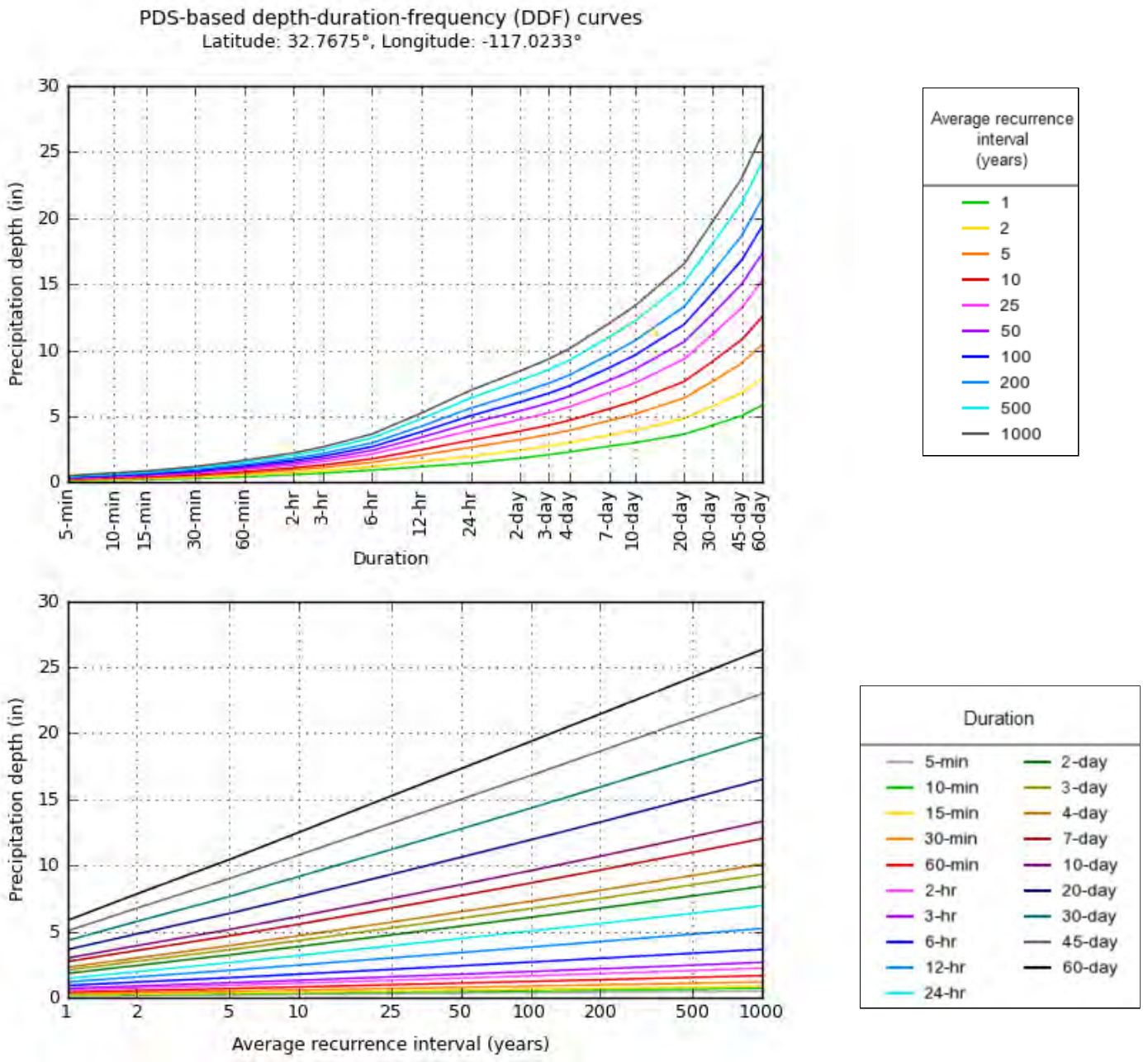
[1] Precipitation frequency (PF) estimates in this table are based on frequency analysis of partial duration series (PDS).

Numbers in parenthesis are PF estimates at lower and upper bounds of the 90% confidence interval. The probability that precipitation frequency estimates (for a given duration and average recurrence interval) will be greater than the upper bound (or less than the lower bound) is 5%. Estimates at upper bounds are not checked against probable maximum precipitation (PMP) estimates and may be higher than currently valid PMP values.

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PF graphical



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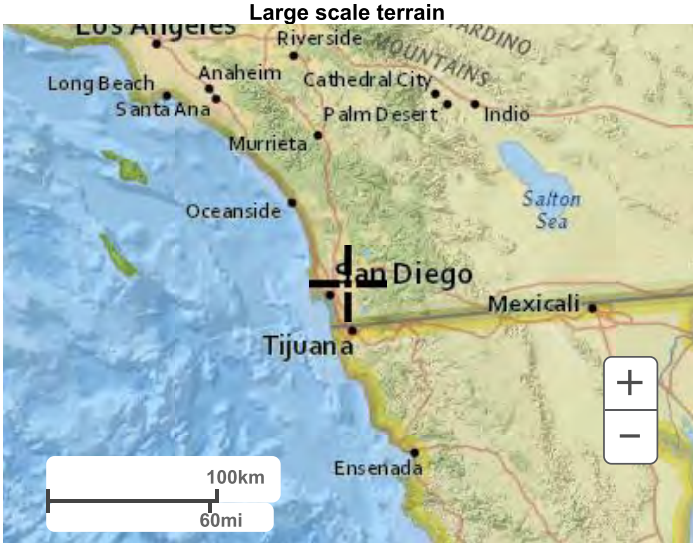
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Maps & aerials

Small scale terrain



Large scale terrain



Large scale map



Large scale aerial



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US Department of Commerce
National Oceanic and Atmospheric Administration
National Weather Service
National Water Center
1325 East West Highway
Silver Spring, MD 20910
Questions?: HDSC.Questions@noaa.gov

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NOAA Atlas 14, Volume 6, Version 2 LA MESA
Station ID: 04-4735
Location name: La Mesa, California, USA*
Latitude: 32.7675°, Longitude: -117.0233°
Elevation:
Elevation (station metadata): 530 ft**
* source: ESRI Maps
** source: USGS

POINT PRECIPITATION FREQUENCY ESTIMATES

Sanja Perica, Sarah Dietz, Sarah Heim, Lillian Hiner, Kazungu Maitaria, Deborah Martin, Sandra Pavlovic, Ishani Roy, Carl Trypaluk, Dale Unruh, Fenglin Yan, Michael Yekta, Tan Zhao, Geoffrey Bonnin, Daniel Brewer, Li-Chuan Chen, Tye Parzybok, John Yarchoan

NOAA, National Weather Service, Silver Spring, Maryland

PF_tabular | PF_graphical | Maps_&_aerials

PF tabular

PDS-based point precipitation frequency estimates with 90% confidence intervals (in inches/hour)[1]

Duration	Average recurrence interval (years)									
	1	2	5	10	25	50	100	200	500	1000
5-min	**1.48** (1.24-1.78)	**1.88** (1.58-2.27)	**2.41** (2.02-2.92)	**2.84** (2.35-3.47)	**3.43** (2.75-4.33)	**3.88** (3.04-5.00)	**4.32** (3.30-5.74)	**4.79** (3.54-6.53)	**5.41** (3.84-7.72)	**5.89** (4.03-8.70)
10-min	**1.06** (0.888-1.27)	**1.35** (1.13-1.63)	**1.73** (1.45-2.09)	**2.04** (1.69-2.49)	**2.46** (1.97-3.10)	**2.78** (2.17-3.59)	**3.10** (2.36-4.11)	**3.43** (2.54-4.68)	**3.88** (2.75-5.53)	**4.22** (2.89-6.24)
15-min	**0.852** (0.716-1.03)	**1.09** (0.912-1.31)	**1.40** (1.17-1.69)	**1.64** (1.36-2.01)	**1.98** (1.58-2.50)	**2.24** (1.75-2.89)	**2.50** (1.90-3.31)	**2.77** (2.05-3.78)	**3.13** (2.22-4.46)	**3.40** (2.33-5.03)
30-min	**0.592** (0.496-0.712)	**0.756** (0.632-0.910)	**0.968** (0.808-1.17)	**1.14** (0.946-1.39)	**1.37** (1.10-1.74)	**1.55** (1.22-2.01)	**1.73** (1.32-2.30)	**1.92** (1.42-2.62)	**2.17** (1.54-3.09)	**2.36** (1.61-3.49)
60-min	**0.417** (0.350-0.502)	**0.532** (0.446-0.642)	**0.682** (0.570-0.825)	**0.804** (0.666-0.981)	**0.969** (0.775-1.22)	**1.09** (0.856-1.41)	**1.22** (0.931-1.62)	**1.35** (1.00-1.85)	**1.53** (1.08-2.18)	**1.66** (1.14-2.46)
2-hr	**0.288** (0.242-0.347)	**0.365** (0.306-0.440)	**0.464** (0.388-0.562)	**0.545** (0.452-0.664)	**0.654** (0.523-0.826)	**0.737** (0.576-0.952)	**0.821** (0.626-1.09)	**0.907** (0.672-1.24)	**1.02** (0.725-1.46)	**1.11** (0.760-1.64)
3-hr	**0.230** (0.193-0.277)	**0.291** (0.244-0.352)	**0.371** (0.310-0.449)	**0.436** (0.361-0.531)	**0.523** (0.418-0.660)	**0.589** (0.461-0.761)	**0.656** (0.500-0.869)	**0.725** (0.536-0.989)	**0.817** (0.579-1.16)	**0.888** (0.607-1.31)
6-hr	**0.153** (0.128-0.184)	**0.196** (0.164-0.236)	**0.251** (0.210-0.304)	**0.296** (0.245-0.361)	**0.356** (0.285-0.450)	**0.402** (0.315-0.519)	**0.449** (0.342-0.594)	**0.496** (0.367-0.677)	**0.560** (0.397-0.798)	**0.609** (0.416-0.900)
12-hr	**0.098** (0.082-0.118)	**0.130** (0.109-0.156)	**0.171** (0.143-0.207)	**0.204** (0.169-0.249)	**0.249** (0.199-0.314)	**0.283** (0.221-0.365)	**0.317** (0.242-0.420)	**0.352** (0.260-0.480)	**0.398** (0.282-0.568)	**0.434** (0.297-0.641)
24-hr	**0.060** (0.053-0.070)	**0.082** (0.072-0.095)	**0.110** (0.096-0.128)	**0.133** (0.115-0.156)	**0.163** (0.138-0.198)	**0.186** (0.154-0.230)	**0.210** (0.170-0.265)	**0.234** (0.184-0.302)	**0.265** (0.201-0.357)	**0.290** (0.213-0.403)
2-day	**0.038** (0.033-0.044)	**0.051** (0.044-0.059)	**0.067** (0.059-0.078)	**0.081** (0.070-0.095)	**0.099** (0.083-0.119)	**0.113** (0.093-0.139)	**0.127** (0.102-0.160)	**0.141** (0.111-0.182)	**0.160** (0.122-0.216)	**0.175** (0.129-0.243)
3-day	**0.029** (0.025-0.034)	**0.038** (0.034-0.044)	**0.050** (0.044-0.059)	**0.060** (0.052-0.070)	**0.073** (0.062-0.089)	**0.083** (0.069-0.103)	**0.094** (0.076-0.118)	**0.104** (0.082-0.135)	**0.118** (0.090-0.159)	**0.130** (0.095-0.180)
4-day	**0.024** (0.021-0.028)	**0.031** (0.027-0.036)	**0.041** (0.036-0.048)	**0.049** (0.042-0.057)	**0.059** (0.050-0.072)	**0.068** (0.056-0.083)	**0.076** (0.061-0.096)	**0.085** (0.067-0.110)	**0.096** (0.073-0.129)	**0.105** (0.077-0.146)
7-day	**0.016** (0.014-0.019)	**0.021** (0.019-0.025)	**0.028** (0.024-0.032)	**0.033** (0.029-0.039)	**0.040** (0.034-0.049)	**0.046** (0.038-0.057)	**0.052** (0.042-0.065)	**0.057** (0.045-0.074)	**0.065** (0.050-0.088)	**0.072** (0.053-0.099)
10-day	**0.012** (0.011-0.014)	**0.016** (0.014-0.019)	**0.021** (0.019-0.025)	**0.026** (0.022-0.030)	**0.031** (0.026-0.038)	**0.036** (0.029-0.044)	**0.040** (0.032-0.051)	**0.045** (0.035-0.058)	**0.051** (0.038-0.068)	**0.056** (0.041-0.077)
20-day	**0.008** (0.007-0.009)	**0.010** (0.009-0.012)	**0.013** (0.012-0.015)	**0.016** (0.014-0.019)	**0.019** (0.016-0.024)	**0.022** (0.018-0.027)	**0.025** (0.020-0.031)	**0.028** (0.022-0.036)	**0.031** (0.024-0.042)	**0.034** (0.025-0.048)
30-day	**0.006** (0.005-0.007)	**0.008** (0.007-0.009)	**0.011** (0.009-0.012)	**0.013** (0.011-0.015)	**0.016** (0.013-0.019)	**0.018** (0.015-0.022)	**0.020** (0.016-0.025)	**0.022** (0.017-0.029)	**0.025** (0.019-0.034)	**0.027** (0.020-0.038)
45-day	**0.005** (0.004-0.005)	**0.006** (0.005-0.007)	**0.008** (0.007-0.010)	**0.010** (0.009-0.012)	**0.012** (0.010-0.015)	**0.014** (0.011-0.017)	**0.016** (0.013-0.020)	**0.017** (0.014-0.022)	**0.020** (0.015-0.026)	**0.021** (0.016-0.030)
60-day	**0.004** (0.004-0.005)	**0.005** (0.005-0.006)	**0.007** (0.006-0.008)	**0.009** (0.008-0.010)	**0.011** (0.009-0.013)	**0.012** (0.010-0.015)	**0.013** (0.011-0.017)	**0.015** (0.012-0.019)	**0.017** (0.013-0.023)	**0.018** (0.013-0.025)

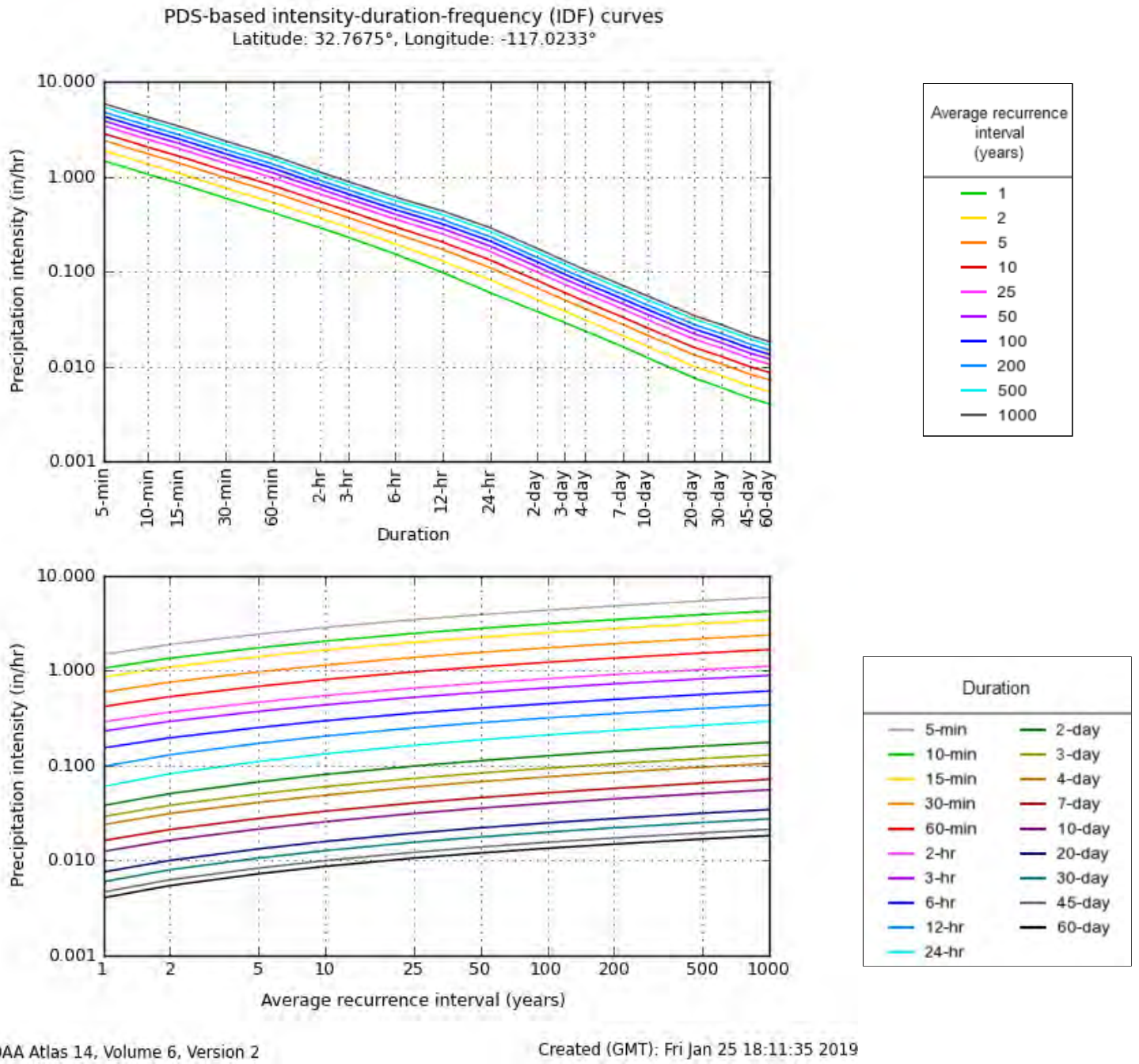
[1] Precipitation frequency (PF) estimates in this table are based on frequency analysis of partial duration series (PDS).

Numbers in parenthesis are PF estimates at lower and upper bounds of the 90% confidence interval. The probability that precipitation frequency estimates (for a given duration and average recurrence interval) will be greater than the upper bound (or less than the lower bound) is 5%. Estimates at upper bounds are not checked against probable maximum precipitation (PMP) estimates and may be higher than currently valid PMP values.

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PF graphical



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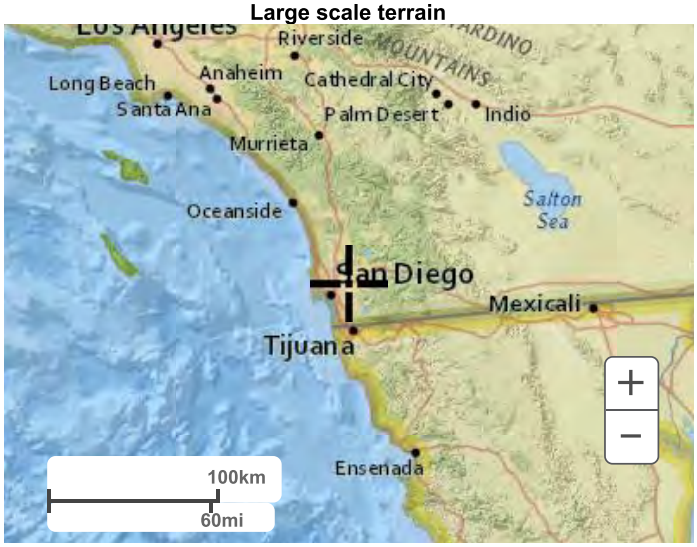
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Maps & aerials

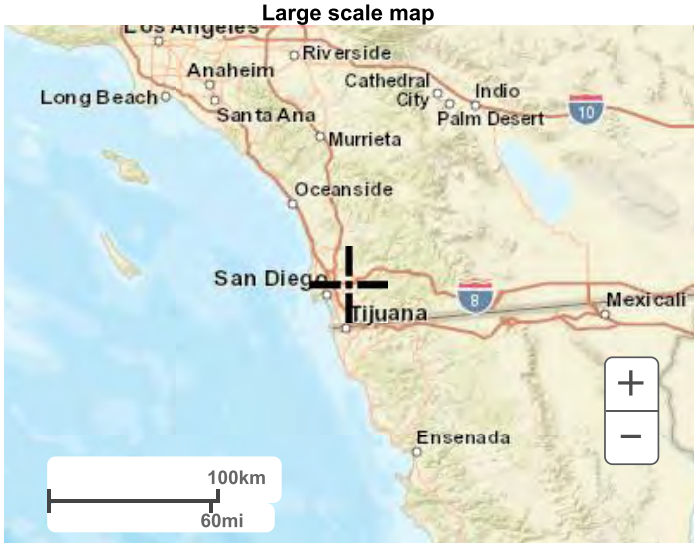
Small scale terrain



Large scale terrain



Large scale map



Large scale aerial



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National Weather Service
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Silver Spring, MD 20910
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B. CCTV Data

CCTV PACP Rating and Repair Recommendation Summary Table

Item	Setup	PSR	From MH	To MH	Length (ft)	Diameter (in)	Structural Rating	Operation & Maintenance Rating	Overall Rating	* Recommended Repair (See repair technique form for numerical definitions)	Notes/Comments/Recommendations
1	115	ST-STR-871	ST-STR-871	ST-STR-973	204.5	42	573G	3222	573G	5,1	Pipe in bad condition, rehabilitation is recommended.
2	120	ST-STR-1047	ST-STR-1430	ST-STR-1047	155.7	18	523E	0	523E	6	Large hole in pipe, so replacement is recommended.
3	77	ST-STR-373	ST-STR-373	ST-STR-61	117.7	30	523C	3122	523C	5,1	
4	1	ST-STR-849	ST-STR-851	ST-STR-849	233.7	24	3GOO	5131	513H	6	Large hole in pipe, so replacement is recommended.
5	93	ST-STR-609	ST-STR-609	ST-STR-612	222	24	513H	3121	513H	5,1	
6	92	ST-STR-610	ST-STR-610	ST-STR-609	188.4	24	513F	2100	513F	5,1	Medium sized hole at end of pipe.
7	85	ST-STR-993	ST-STR-993	ST-STR-311	103.9	30	3COO	5131	513C	5	Remove large debris. Visible portions of pipe look good.
8	80	ST-STR-321	ST-STR-320	ST-STR-321	29.1	18	513A	0	513A	5,1	
9	156	ST-STR-781	ST-STR-781	ST-STR-159	103.8	18	5738	0	5738	5,1	
10	81	ST-STR-320	ST-STR-320	ST-STR-45	11.2	18	5532	5100	5632	6	Large holes in pipe, so replacement is recommended.
11	67	ST-STR-64	ST-STR-390	ST-STR-64	65.1	18	553A	4121	5541	6	Large holes in pipe, so replacement is recommended.
12	142	ST-STR-558	ST-STR-558	ST-STR-557	26.1	18	5400	3221	5432	6	Replace pipe, entire bottom half of pipe is missing.
13	171	ST-STR-393	ST-STR-393	ST-STR-394	65.2	20	5338	3100	5338	6	Large holes in pipe, so replacement is recommended.
14	83	ST-STR-346	ST-STR-346	ST-STR-347	17.9	18	5334	0	5334	6	Large holes in pipe, so replacement is recommended.
15	148	ST-STR-479	ST-STR-479	ST-STR-213	17	18	5333	0	5333	6	Replace pipe, entire bottom half of pipe is missing.
16	35	ST-STR-603	ST-STR-593	ST-STR-603	6.0	18	5331	2100	5331	6	Replace pipe, entire bottom half of pipe is missing.
17	21	ST-STR-936	ST-STR-936	ST-STR-1021	8.9	18	5241	0	5241	6	Large hole in pipe, so replacement is recommended.
18	34	ST-STR-593	ST-STR-593	ST-STR-591	2.0	18	5241	0	5241	6	Pipe deformed, therefore replacement recommended.
19	61	ST-STR-496	ST-STR-496	ST-STR-498	220.4	36	523G	4131	5241	5,1	Remove large debris at downstream end, and CIPP line entire pipe.
20	43	ST-STR-697	ST-STR-697	ST-STR-698	38.4	30	5239	0	5239	6	Large hole in pipe, so replacement is recommended.
21	63	ST-STR-774	ST-STR-774	ST-STR-775	69.4	18	5238	0	5238	5,1	
22	70	ST-STR-195	ST-STR-195	ST-STR-390	21.9	30	5234	0	5234	6	Large hole in pipe, so replacement is recommended.
23	150	ST-STR-213	ST-STR-213	ST-STR-93	21.2	18	5234	0	5234	6	Large holes in pipe, so replacement is recommended.
24	30	ST-STR-598	ST-STR-598	ST-STR-118	8.0	18	5231	3100	5232	5,1	Remove large debris at downstream end, and CIPP line entire pipe.
25	60	ST-STR-738	ST-STR-147	ST-STR-738	9.7	18	5232	2100	5232	6	Replace pipe, entire bottom half of pipe is missing.
26	158	ST-STR-773	ST-STR-773	ST-STR-157	3	18	5231	3100	5232	5,1	Remove large debris at downstream end, re-establish pipe outfall, and CIPP line entire pipe.
27	39	ST-STR-592	ST-STR-592	ST-STR-588	1	18	5231	2100	5231	6	Replace pipe, entire bottom half of pipe is missing.
28	145	ST-STR-198	ST-STR-198	ST-STR-199	3	18	5231	0	5231	6	Replace pipe, entire bottom half of pipe is missing.
29	161	ST-STR-994	ST-STR-358	ST-STR-994	3	18	5131	5100	5231	5,1 or 6	Half full of debris and can't see condition of bottom of pipe.
30	40	ST-STR-1029	ST-STR-1029	ST-STR-692	450.8	24	3QOO	5142	5142	5,2	CIPP line CMP portion of pipe for 430-feet.
31	76	ST-STR-254	ST-STR-254	ST-STR-203	70	18	5132	4200	5142	4	Pipe overall in good condition, a couple small holes and medium deformation blocking 20% of flow area.
32	17	ST-STR-656	ST-STR-658	ST-STR-656	206.0	18	513G	4100	5141	5,1	Remove large debris. Corrosion and medium sized hole at end of pipe.
33	32	ST-STR-1018	ST-STR-1017	ST-STR-1018	174.5	24	5130	4131	5141	5,1	Remove large debris, and CIPP line entire pipe.
34	84	ST-STR-346	ST-STR-347	ST-STR-346	3	18	5131	4100	5141	6	Large holes in pipe, so replacement is recommended.
35	136	ST-STR-701	ST-STR-701	ST-STR-135	1.1	15	5100	4100	5141	5	Inspection abandoned, pipe full of debris, clean and re-inspect.
36	13	ST-STR-868	ST-STR-868	ST-STR-976	30.9	18	3800	5131	5139	5,3,1	Lateral protruding into mainline and will need to be made flush in order to rehabilitate entire pipe.
37	87	ST-STR-311	ST-STR-313	ST-STR-311	47.6	24	5139	2900	5139	5,1	Remove large debris, and CIPP line entire pipe.
38	124	ST-STR-201	ST-STR-201	ST-STR-927	74.1	16	5138	3121	5138	6	Pipe deformed, replacement is recommended.
39	53	ST-STR-714	ST-STR-714	ST-STR-715	33.9	18	5137	0	5137	5,1	Remove large debris, and CIPP line entire pipe.
40	14	ST-STR-867	ST-STR-867	ST-STR-975	26.6	18	5135	0	5135	5,1	Corrosion and medium size hole.
41	15	ST-STR-659	ST-STR-659	ST-STR-660	27.2	18	5134	0	5134	6	Pipe collapsing and deformed, replacement is recommended.
42	126	ST-STR-202	ST-STR-202	ST-STR-201	16.4	12	5132	3121	5133	6	Pipe collapsing, replacement is recommended.
43	19	ST-STR-626	ST-STR-626	ST-STR-936	12.3	18	5132	0	5132	5,1	Pipe heavily corroded, and medium deformation blocking 20% of flow area.
44	38	ST-STR-591	ST-STR-592	ST-STR-591	8.4	18	5131	2100	5131	6	Large hole in pipe, so replacement is recommended.
45	119	ST-STR-432	ST-STR-431	ST-STR-432	53.3	18	0	5131	5131	5	Pipe completely clogged with sediment.
46	134	ST-STR-710	ST-STR-710	ST-STR-138	2.0	12	5131	2100	5131	6	Large holes in pipe, so replacement is recommended.
47	162	ST-STR-359	ST-STR-359	ST-STR-58	2.8	18	5131	0	5131	6	Large hole in pipe, so replacement is recommended.
48	166	ST-STR-370	ST-STR-371	ST-STR-370	74.0	18	5131	0	5131	6	Large hole in pipe, so replacement is recommended.
49	5	ST-STR-850	ST-STR-850	ST-STR-849	127.4	21	5130	0	5130	6	Corrosion and large hole in pipe, so replacement is recommended.
50	105	ST-STR-1045	ST-STR-813	ST-STR-1045	136.4	60	5130	2200	5130	4	Pipe in ok condition and is too large to to CIPP line. Hydrophilic grout and urethane sealant is recommended to repair several small holes.
51	147	ST-STR-482	ST-STR-199	ST-STR-482	18.2	18	5100	2200	5122	5	Significant amount of debris and sediment. Pipe in ok condition.
52	28	ST-STR-410	ST-STR-410	ST-STR-409	47.6	18	5100	0	5100		Pipe in good to ok condition.
53	65	ST-STR-387	ST-STR-387	ST-STR-386	1.0	18	0	5100	5100	5	Pipe full of debris, clean and re-inspect, signs of corrosion present.
54	69	ST-STR-390	ST-STR-390	ST-STR-94	3.0	30	5100	0	5100	6	Large hole in pipe, so replacement is recommended.
55	90	ST-STR-779	ST-STR-779	ST-STR-778	1	18	0	5100	5100	5	Inspection abandoned, pipe full of debris, clean and re-inspect.
56	143	ST-STR-502	ST-STR-502	ST-STR-1009	2.0	12	5100	0	5100	5	Inspection abandoned, pipe has water and debris, corrosion can be seen, at minimum CIPP lining will be required, however, condition of bottom of pipe is unknown, clean and re-inspect.
57	97	ST-STR-617	ST-STR-617	ST-STR-122	258.6	52	0	4238	4238	5	Pipe in overall good condition, some debris and standing water.
58	7	ST-STR-864	ST-STR-864	ST-STR-865	291.2	30	0	4231	4231	5	Pipe appears in good condition, remove sediment and debris.
59	99	ST-STR-413	ST-STR-413	ST-STR-68	140.2	24	0	4200	4200		Pipe in overall good condition.
60	130	ST-STR-272	ST-STR-272	ST-STR-271	2.0	12	0	4200	4200	5	Pipe appears in ok condition, remove sediment and debris.
61	50	ST-STR-715	ST-STR-715	ST-STR-713	148.7	24	3400	4100	4134	1	Pipe has some corrosion and small holes.
62	12	ST-STR-881	ST-STR-873	ST-STR-881	208.4	48	3100	4131	4132	5	Pipe appears in good condition, remove sediment and debris.
63	139	ST-STR-560	ST-STR-560	ST-STR-559	9.5	12	3200	4100	4132	5,1	Pipe has some corrosion and small holes. Remove sediment and debris.
64	6	ST-STR-863	ST-STR-864	ST-STR-863	57.6	30	0	4131	4131	5	Pipe in good condition, remove sediment and debris.
65	123	ST-STR-927	ST-STR-1013	ST-STR-927	119.4	15	0	4131	4131	5	Pipe in ok condition, remove sediment and debris.
66	4	ST-STR-815	ST-STR-815	ST-STR-1044	28.7	24	0	4100	4100		Pipe in overall good condition.
67	74	ST-STR-203	ST-STR-203	ST-STR-204	227.1	30	0	4100	4100	5	Standing water in pipe. Remove sediment and debris and locate downstream manhole.
68	100	ST-STR-405	ST-STR-405	ST-STR-406	1	14	0	4100	4100	5	Pipe over half full of sediment and debris. Clean and re-inspect to see condition of pipe.
69	167	ST-STR-382	ST-STR-215	ST-STR-382	1.0	18	0	4100	4100	5	Pipe over half full of sediment and debris. From what can be seen, pipe in poor condition. Clean and re-inspect to see condition of rest of pipe.
70	168	ST-STR-215	ST-STR-215	ST-STR-63	1.0	18	0	4100	4100	5	Pipe over half full of sediment and debris. Clean and re-inspect to see condition of pipe.
71	101	ST-STR-977	ST-STR-977	ST-STR-872	354.8	48	3MOO	3100	3MOO	5,4	Pipe in ok condition. Consider hydrophilic grout on bottom of pipe.
72	114	ST-STR-986	ST-STR-972	ST-STR-986	333.2	36	3LOO	0	3LOO	5,4	Pipe in ok condition. Consider hydrophilic grout on bottom of pipe.
73	102	ST-STR-872	ST-STR-872	ST-STR-870	297.5	36	3KOO	2100	3K21	5	Pipe in ok condition and doesn't need any rehabilitation at this time.

Item	Setup	PSR	From MH	To MH	Length (ft)	Diameter (in)	Structural Rating	Operation & Maintenance Rating	Overall Rating	* Recommended Repair (See repair technique form for numerical definitions)	Notes/Comments/Recommendations
74	95	ST-STR-613	ST-STR-613	ST-STR-614	234.1	36	3HOO	3100	3HOO	5	Some sediment and debris, pipe in ok condition.
75	128	ST-STR-955	ST-STR-955	ST-STR-142	181.0	29	3FOO	3200	3FOO	5	Some sediment and debris, pipe in ok condition.
76	44	ST-STR-693	ST-STR-693	ST-STR-948	162.3	20	3EOO	0	3EOO		The remaining segments with overall scores of 3 and 2 broadly represent minor maintenance and/or repair that may require hydroscour and/or grout. An in-depth review of the inspection of these segments is not done at this time. More emphasis and focus should be geared towards the above segments with overall ratings of 4's and 5's and those segments include recommendations to rehabilitate or replace.
77	107	ST-STR-1052	ST-STR-961	ST-STR-1052	156	57	3EOO	0	3EOO		
78	25	ST-STR-612	ST-STR-612	ST-STR-611	97.3	24	3COO	0	3COO		
79	113	ST-STR-972	ST-STR-854	ST-STR-972	100.3	57	3COO	0	3COO		
80	153	ST-STR-754	ST-STR-754	ST-STR-155	118.7	24	3COO	0	3COO		
81	51	ST-STR-718	ST-STR-718	ST-STR-717	178.8	24	3COO	3121	3C21		
82	23	ST-STR-210	ST-STR-211	ST-STR-210	56.2	18	3AOO	0	3AOO		
83	56	ST-STR-952	ST-STR-952	ST-STR-953	182.0	30	3AOO	0	3AOO		
84	62	ST-STR-497	ST-STR-496	ST-STR-497	49.6	18	3900	3100	3AOO		
85	118	ST-STR-431	ST-STR-431	ST-STR-77	68.9	18	3AOO	0	3AOO		
86	27	ST-STR-192	ST-STR-614	ST-STR-192	56.6	36	3AOO	2100	3A21		
87	52	ST-STR-716	ST-STR-716	ST-STR-717	34.6	18	3900	0	3900		
88	103	ST-STR-870	ST-STR-870	ST-STR-871	97.2	36	3800	2300	3823		
89	46	ST-STR-688	ST-STR-688	ST-STR-687	36.8	18	3800	0	3800		
90	106	ST-STR-961	ST-STR-1045	ST-STR-961	42.3	57	3800	0	3800		
91	109	ST-STR-1053	ST-STR-1052	ST-STR-1053	92.8	57	3800	0	3800		
92	111	ST-STR-1055	ST-STR-971	ST-STR-1055	80.9	57	3800	0	3800		
93	8	ST-STR-865	ST-STR-865	ST-STR-974	41.0	24	3700	0	3700		
94	18	ST-STR-1021	ST-STR-1021	ST-STR-625	32.6	30	3700	0	3700		
95	24	ST-STR-628	ST-STR-628	ST-STR-210	34.6	18	3700	0	3700		
96	117	ST-STR-422	ST-STR-74	ST-STR-422	32.4	24	3600	3100	3700		
97	47	ST-STR-947	ST-STR-132	ST-STR-947	13.7	22	3500	2100	3521		
98	151	ST-STR-750	ST-STR-752	ST-STR-750	22.6	15	3500	2100	3521		
99	64	ST-STR-383	ST-STR-383	ST-STR-384	40.4	14	3500	0	3500		
100	94	ST-STR-609	ST-STR-612	ST-STR-609	23.8	24	3500	0	3500		
101	96	ST-STR-616	ST-STR-617	ST-STR-616	25	52	3500	0	3500		
102	86	ST-STR-311	ST-STR-313	ST-STR-311	13.2	24	3300	3123	3423		
103	157	ST-STR-764	ST-STR-765	ST-STR-764	21.2	12	3400	2100	3421		
104	29	ST-STR-998	ST-STR-998	ST-STR-913	150.2	42	3400	0	3400		
105	42	ST-STR-699	ST-STR-697	ST-STR-699	8.4	30	3400	0	3400		
106	82	ST-STR-321	ST-STR-321	ST-STR-320	2.2	18	3300	3100	3400		
107	59	ST-STR-738	ST-STR-738	ST-STR-147	11.4	18	3300	2100	3321		
108	138	ST-STR-677	ST-STR-678	ST-STR-677	14.3	18	3300	2100	3321		
109	2	ST-STR-851	ST-STR-851	ST-STR-1052	24.2	18	3300	0	3300		
110	3	ST-STR-1046	ST-STR-1046	ST-STR-815	117.7	24	3200	3100	3300		
111	71	ST-STR-395	ST-STR-395	ST-STR-995	15.1	18	3300	0	3300		
112	55	ST-STR-713	ST-STR-713	ST-STR-952	207.9	30	3200	2100	3221		
113	89	ST-STR-778	ST-STR-778	ST-STR-957	61.7	18	0	3200	3200		
114	116	ST-STR-823	ST-STR-823	ST-STR-1051	3	18	3100	3100	3200		
115	125	ST-STR-202	ST-STR-201	ST-STR-202	2	12	3100	3100	3200		
116	9	ST-STR-866	ST-STR-974	ST-STR-866	43.4	18	3100	2100	3121		
117	49	ST-STR-718	ST-STR-717	ST-STR-718	56.9	24	0	3121	3121		
118	78	ST-STR-372	ST-STR-373	ST-STR-372	206	18	3100	2100	3121		
119	146	ST-STR-198	ST-STR-199	ST-STR-198	7.5	18	3100	2100	3121		
120	11	ST-STR-873	ST-STR-1056	ST-STR-873	39.5	48	0	3100	3100		
121	48	ST-STR-717	ST-STR-715	ST-STR-717	390.1	24	3100	0	3100		
122	73	ST-STR-985	ST-STR-995	ST-STR-985	169	30	3100	0	3100		
123	110	ST-STR-971	ST-STR-1053	ST-STR-971	263	57	3100	3100	3100		
124	57	ST-STR-806	ST-STR-806	ST-STR-173	124.8	18	3000	2100	3021		
125	22	ST-STR-211	ST-STR-211	ST-STR-627	120.3	18	3000	0	3000		
126	112	ST-STR-854	ST-STR-1055	ST-STR-854	138.5	57	3000	0	3000		
127	10	ST-STR-1056	ST-STR-977	ST-STR-1056	38.4	48	0	2100	2100		
128	122	ST-STR-451	ST-STR-450	ST-STR-451	12.5	12	0	2100	2100		
129	137	ST-STR-677	ST-STR-677	ST-STR-678	21.2	18	0	2100	2100		
130	144	ST-STR-481	ST-STR-198	ST-STR-481	29.0	18	0	2100	2100		
131	163	ST-STR-369	ST-STR-369	ST-STR-368	8.2	18	0	2100	2100		
132	26	ST-STR-619	ST-STR-618	ST-STR-619	16.5	18	0	0	0		Pipe in good condition.
133	45	ST-STR-948	ST-STR-948	ST-STR-690	3.3	18	0	0	0		Pipe in good condition.
134	58	ST-STR-739	ST-STR-738	ST-STR-739	42.3	18	0	0	0		Pipe in good condition.
135	72	ST-STR-995	ST-STR-203	ST-STR-995	30.3	30	0	0	0		Pipe in good condition.
136	79	ST-STR-376	ST-STR-376	ST-STR-374	9.9	24	0	0	0		Pipe in good condition.
137	104	ST-STR-814	ST-STR-813	ST-STR-814	18	24	P 0000	0	0		Pipe in good condition.
138	121	ST-STR-78	ST-STR-433	ST-STR-78	0.1	18	0	0	0		Drop connection, unable to video pipe.
139	127	ST-STR-726	ST-STR-726	ST-STR-955	27.7	29	0	0	0		Pipe in good condition.
140	131	ST-STR-720	ST-STR-720	ST-STR-722	1.0	18	0	0	0	5	Pipe underwater, outfall not found, clean and re-inspect.
141	132	ST-STR-721	ST-STR-721	ST-STR-720	1.0	18	0	0	0	5	Pipe underwater, clean and re-inspect.
142	135	ST-STR-701	ST-STR-135	ST-STR-701	1.0	15	0	0	0	6	Collapsed pipe, repair or replace.
143	141	ST-STR-553	ST-STR-553	ST-STR-928	25.5	16	0	0	0		Pipe in good condition.
144	152	ST-STR-751	ST-STR-751	ST-STR-754	83.7	24	0	0	0		Pipe in good condition.
145	154	ST-STR-295	ST-STR-294	ST-STR-295	1	18	0	0	0	5	Pipe full of debris, clean and re-inspect.
146	155	ST-STR-340	ST-STR-341	ST-STR-340	1	12	0	0	0	5	Pipe full of sediment and debris, clean and re-inspect.
147	160	ST-STR-53	ST-STR-896	ST-STR-53	1	12	0	0	0		Pipe in good condition.
148	164	ST-STR-369	ST-STR-368	ST-STR-369	1.0	18	0	0	0	5	Camera blocked by sediment and debris. Pipe in ok condition.
149	165	ST-STR-368	ST-STR-368	ST-STR-190	1.0	15	0	0	0		Pipe in good condition.

PACP© Condition Grading System

The Pipeline Assessment and Certification Program (PACP) developed by NASSCO provides a mechanism for creating reliable descriptions of pipe conditions. NASSCO has also developed a system based on the PACP codes to assign a condition rating to pipelines. Requirements of the grading system were as follows:

1. Like the PACP, the grading system should be direct and objective.
2. Provide the ability to qualitatively identify differences in pipe condition between one inspection and subsequent inspections, and to prioritize based on the significance of the defects different pipe segments.

Many other approaches to sewer pipe grading have been used in the United States as well as in other parts of the World. These approaches generally use some type of defect grading that is then used to calculate an overall pipe rating.

It is problematic to develop a single pipe segment rating that fully describes all of the important aspects of a pipe. Therefore the PACP Condition Grading System uses more than one method of rating pipe segment condition including a rating that considers the number of total defects within the pipe segment and a rating that considers the most severe defects within the pipe segment.

The PACP Condition Grading System only considers internal pipe conditions obtained from TV inspection. While other factors such as pipe material, depth, soils, and surface conditions also affect pipe survivability, those factors have not been included in the PACP Condition Grading System. The PACP Condition Grading System should be used only as a tool for screening pipe segment inspections, allowing the User to quickly determine which pipe segments have significant defects. It is expected that as the PACP further develops the PACP Condition Grading System will expand to include other factors.

The PACP Condition Grading System provides condition ratings for Structural Defects and Operation and Maintenance Defects.

Approach

Using the PACP Code Matrix, Each PACP defect code is assigned a condition grade of from 1 to 5. Grades are assigned based on the significance of the defect, extent of

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damage, percentage of flow capacity restriction, or the amount of wall loss due to deterioration.

The PACP Condition Grading System alone is inadequate for determining if a pipe segment should be rehabilitated or replaced. Many other factors in addition to the internal condition of the segment should be considered. The fact that a segment has significant Grade 4 or Grade 5 defects does not necessarily mean the pipe segment should be immediately rehabilitated. Recent experience by PACP Users has shown that pipe segments with serious defects such as hinge failures may remain largely unchanged for many decades if no deterioration factors such as surcharging, roots, or groundwater are present.

What is needed is improved estimates of remaining life or mean time before failure that are based on close monitoring of pipe segments over time. Once we know how much change occurs in pipe segments we can better understand the relationship between defects, deterioration factors, and pipe segment life expectancy. PACP continues to be an excellent tool for benchmarking pipe condition between one inspection and subsequent inspections of the same pipe.

Grades are assigned for two categories, Structural, and O&M defects.
Grades are as follows;
5 - Most significant defect grade
4 – Significant
3 – Moderate defect grade
2 – Minor to Moderate
1 –Minor defect grade

The PACP Condition Grading System results are entirely dependent on the quality of the PACP defect coding. Errors in the coding will directly result in errors in the Grading. All utilities, engineers, and contractors should make sure the data they are using was coded by experienced technicians who have successfully demonstrated their competence through a formal or informal apprenticeship program. PACP data from inexperienced technicians should be checked and corrected as needed. Errors found in coding should be corrected and the errors brought to the attention of the technician.

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Grading of Continuous Defects

The PACP continuous defect feature is used to denote where long portions of a sewer pipe are affected by the same defect, without the User having to repetitively enter point defects. However to develop a grade for the pipe segment, a mechanism is needed to translate a continuous defect into an equivalent number of point defects.

The equivalent number (quantity) of "uninterrupted" and "joint repeating" continuous defects is calculated by dividing the length of the continuous defect by 5. Example, a 6-meter long continuous defect, grade 3, should equate to four Grade 3 defects. Fractions are rounded to the nearest whole number.

Pipe Ratings

The pipe rating is based on the number of occurrences for each condition grade. Ratings are calculated separately for **Structural Defects** and **O&M Defects**. Several ways of expressing pipe segment condition are used by the PACP Condition Grading System as follows.

Segment Grade Scores - Each pipe segment will have a Segment Grade Score for each of the five grades. The number of occurrences of each pipe grade is multiplied by the pipe grade to calculate the segment grade score. Example, six Grade 5 defects would be 6 times 5 and equates to a Segment Grade 5 Score of 30. If a pipe segment had no defects of a particular grade, then the Segment Grade Score for that grade would be 0.

Overall Pipe Rating –The five Segment Grade Scores are added together to calculate the **Overall Pipe Rating. Structural Pipe Ratings** are calculated using only Structural Defect grades, while **O&M Pipe Ratings** are calculated using only O&M Defect grades.

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PACP Quick Rating – The PACP Quick Rating is a shorthand way of expressing the number of occurrences for the two highest severity grades. The PACP Quick Rating is a four character score as follows:

1. The first character is the highest severity grade occurring along the pipe length.
2. The second character is the total number of occurrences of the highest severity grade. If the total number exceeds 9, then alphabetic characters are used as follows- 10 to 14 – A; 15 to 19 – B; 20 to 24 – C; etc.
3. The third character is the next highest severity grade occurring along the pipe length.
4. The fourth character is the total number of the second highest severity grade occurrences, derived as in item 2 above.

For Example

4B27

This immediately shows that no grade 5 defects or grade 3 defects, however 15 to 19 grade 4 defects and seven grade 2 defects were found.

Another Example

3224

Two grade 3 defects and four grade 2 defects, however no grade 5 or grade 4 defects were found.

If a pipe segment only has defects of one grade, the first two characters are the grade and the quantity of defects, and the last two characters are 00 (denoting no other defect grades). A pipe segment with no defects would have a Quick Score of 0000 (all zeros).

The PACP Quick Rating provides the ability to summarize the number and severity of defects found within a pipe segment. As with the Pipe Rating, Quick Structural Ratings

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are calculated using only Structural Defect Grades, and Quick O&M Ratings are calculated using only O&M Defect Grades.

The Quick Rating is an excellent screening tool to determine which pipe segments require closer scrutiny. If a pipe has not defects greater than Grade 1 or 2, then the pipe segment probably does not need any further investigation.

Pipe Ratings Index – This is an indicator of the distribution of defect severity. The Pipe Ratings Index is calculated by dividing the Pipe Rating by the number of defects. For example, the Structural Pipe Ratings Index would be the Structural Pipe Rating divided by the number of structural defects. Pipe Ratings Indexes are calculated for Structural, O&M, and Overall. A pipe segment with a Pipe Rating of zero (0) would have a Pipe Rating Index of zero (0).

Summary

The following procedures are used to calculate pipe segment ratings using the PACP Condition Grading System:

1. Determine the number of occurrences for each condition grade within the pipe segment. Calculate separately for Structural Defect Grades and O&M Defect Grades.
2. Calculate the Segment Grade Score by multiplying the number of occurrences by the respective grade 1 through 5. Calculate the Structural Segment Grade Score and the O&M Segment Grade Score separately, and then add together for the Overall Segment Grade Score.
3. Calculate the Pipe Rating for the pipe segment by adding the Segment Grade Scores. Add all five Structural Segment Grade Scores for the Structural Pipe Rating, and add all five O&M Segment Grade Scores for the O&M Pipe Rating. Add all five Overall Segment Grade Scores for the Overall Pipe Rating.
4. Determine the PACP Quick Rating by calculating the number of occurrences of the two highest severity grades.

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5. Calculate the Pipe Ratings Index by dividing the Pipe Rating by the number of defects. If the pipe has no defects, the Pipe Ratings Index is zero.
6. Verify the PACP defect data used in accurate. The grading is a direct calculation from the defect data, and coding errors will be reflected in grading errors.

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NASSCO PACP Condition Grading System
Code Matrix

Family	Group	Descriptor	Modifier	Code	Structural Grade	O&M Grade
Structural	Crack (C)	Circumferential (C)		CC	1	
		Longitudinal (L)		CL	2	
		Multiple (M)		CM	3	
		Hinge (CH2)		CH2	4	
		Hinge (CH3)		CH3	5	
		Hinge (CH4)		CH4	5	
		Spiral (S)		CS	2	
Structural	Fracture (F)	Circumferential (C)		FC	2	
		Longitudinal (L)		FL	3	
		Multiple (M)		FM	4	
		Hinge (H2)		FH2	4	
		Hinge (H3)		FH3	5	
		Hinge (H4)		FH4	5	
		Spiral (S)		FS	3	
Structural	Pipe Failures (Silent)	Broken (B)		B	1 clock pos - 3, 2 clock pos - 4, >=3 clock pos - 5	
		Broken (B)	Soil Visible (SV)	BSV	5	
		Broken (B)	Void Visible (V V)	BVV	5	
		Hole (H)		H	1 clock pos - 3, 2 clock pos - 4, >= 3 clock pos - 5	
		Hole (H)	Soil Visible (SV)	HSV	5	
		Hole (H)	Void Visible (V V)	HVV	5	
Structural	Collapse (X)	Pipe (P)		XP	5	
		Brick (B)		XB	5	
Structural	Deformed (D)	(Pipe)		D	<=10% - 4,>10% - 5	
		(Brick)	Horizontally (H)	DH	5	
		(Brick)	Vertically (V)	DV	5	
Structural	Joint (J)	Offset (displaced) (O)	Med (M)	JOM	1	
			Large (L)	JOL	2	
		Separated (open) (S)	Med (M)	JSM	1	
			Large (L)	JSL	2	
		Angular (A)	Med (M)	JAM	1	
			Large (L)	JAL	2	
Structural	Surface Damage Chemical (S)	Roughness Increased (RI)	C	SRIC	1	
		Surface Spalling (SS)	C	SSSC	2	
		Aggregate Visible (AV)	C	SAVC	3	
		Aggregate Projecting (AP)	C	SAPC	3	
		Aggregate Missing (AM)	C	SAMC	4	

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NASSCO PACP Condition Grading System
Code Matrix

Family	Group	Descriptor	Modifier	Code	Structural Grade	O&M Grade
		Reinforcement Visible (RV)	C	SRVC	5	
		Reinforcement Projecting (RP)	C	SRPC	3	
		Reinforcement Corroded (RC)	C	SRCC	5	
		Missing Wall (MW)	C	SMWC	5	
		Other (Z)	C	SZC		
Structural	Surface Damage Mechanical (M)	Roughness Increased (RI)	M	SRIM	1	
		Surface Spalling (SS)	M	SSSM	2	
		Aggregate Visible (AV)	M	SAVM	3	
		Aggregate Projecting (AP)	M	SAPM	3	
		Aggregate Missing (AM)	M	SAMM	4	
		Reinforcement Visible (RV)	M	SRVM	5	
		Reinforcement Projecting (RP)	M	SRPM	3	
		Reinforcement Corroded (RC)	M	SRCM	5	
		Missing Wall (MW)	M	SMWM	5	
		Other (Z)	M	SZM	N/A	
Structural	Surface Damage Not Evident (Z)	Roughness Increased (RI)	Z	SRIZ	1	
		Surface Spalling (SS)	Z	SSSZ	2	
		Aggregate Visible (AV)	Z	SAVZ	3	
		Aggregate Projecting (AP)	Z	SAPZ	3	
		Aggregate Missing (AM)	Z	SAMZ	4	
		Reinforcement Visible (RV)	Z	SRVZ	5	
		Reinforcement Projecting (RP)	Z	SRPZ	3	
		Reinforcement Corroded (RC)	Z	SRCZ	5	
		Missing Wall (MW)	Z	SMWZ	5	
		Other (Z)	Z	SZZ	N/A	
Structural	Surface Damage (Metal Pipes)	Corrosion (CP)		SCP	3	
Structural	Lining Features (LF)	Detached (D)		LFD	3	
		Defective End (DE)		LFDE	3	
		Blistered (B)		LFB	3	
		Service Cut Shifted (CS)		LFCS	3	
		Abandoned Connection (AC)		LFAC		
		Overcut Service (OC)		LFOC	3	
		Undercut Service (UC)		LFUC	3	
		Buckled (BK)		LFBK	3	
		Annular Space (AS)		LFAS	3	
		Bulges (BU)		LFBU	3	
		Discoloration (DC)		LFDC	3	
		Delamination (DL)		LFDL	3	
		Pinholes (PH)		LFPH	3	
		Resin Slug (RS)		LFRS	3	
		Wrinkled (W)		LFW	3	
		Other (Z)		LFZ	N/A	
Structural	Weld Failure (WF)	Circumfrential (C)		WFC	2	
		Longitudinal (L)		WFL	2	

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NASSCO PACP Condition Grading System
Code Matrix

Family	Group	Descriptor	Modifier	Code	Structural Grade	O&M Grade
		Multiple (M)		WFM	3	
		Spiral (S)		WFS	2	
Structural	Point Repair (RP)	Localized Pipeliner (L)		RPL		
		Localized Pipeliner (L)	Defective (D)	RPLD	4	
		Patch Repair (P)		RPP		
		Patch Repair (P)	Defective (D)	RPPD	4	
		Pipe Replaced (R)		RPR		
		Pipe Replaced (R)	Defective (D)	RPRD	4	
		Other (Z)		RPZ		
		Other (Z)	Defective (D)	RPZD		
Structural	Brickwork (Silent)	Displaced (DB)		DB	3	
		Missing (MB)		MB	4	
		Dropped Invert (DI)		DI	5	
		Missing Mortar	Small	MMS	2	
			Medium	MMM	3	
			Large	MML	3	
O&M	Deposits (D)	Deposits Attached (DA)	Encrustation (E)	DAE		<=10% - 2, <=20% - 3, <=30% - 4, >30% - 5
			Grease (G)	DAGS		<=10% - 2, <=20% - 3, <=30% - 4, >30% - 5
			Ragging (R)	DAR		<=10% - 2, <=20% - 3, <=30% - 4, >30% - 5
			Other (Z)	DAZ		<=10% - 2, <=20% - 3, <=30% - 4, >30% - 5
		Deposits Settled (DS)	Hard/Compacted (C)	DSC		<=10% - 2, <=20% - 3, <=30% - 4, >30% - 5
			Fine silt/sand (F)	DSF		<=10% - 2, <=20% - 3, <=30% - 4, >30% - 5
			Gravel (G)	DSGV		<=10% - 2, <=20% - 3, <=30% - 4, >30% - 5
			Other (Z)	DSZ		<=10% - 2, <=20% - 3, <=30% - 4, >30% - 5
		Deposits Ingress (DN)	Fine silt/sand (F)	DNF		<=10% - 2, <=20% - 3, <=30% - 4, >30% - 5
			Gravel (GV)	DNGV		<=10% - 2, <=20% - 3, <=30% - 4, >30% - 5

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NASSCO PACP Condition Grading System
Code Matrix

Family	Group	Descriptor	Modifier	Code	Structural Grade	O&M Grade
			Other (Z)	DNZ		<=10% - 2, <=20% - 3, <=30% - 4, >30% - 5
O&M	Roots (R)	Fine (F)	Barrel (B)	RFB		2
			Lateral (L)	RFL		1
			Connection (C)	RFC		1
	Roots (R) at a Joint		N/A	RFJ	in software with a J	1
		Tap (T)	Barrel (B)	RTB		3
			Lateral (L)	RTL		2
			Connection (C)	RTC		2
	Roots (R) at a Joint		N/A	RTJ		2
		Medium (M)	Barrel (B)	RMB		4
			Lateral (L)	RML		3
			Connection (C)	RMC		3
	Roots (R) at a Joint		N/A	RMJ		3
		Ball (B)	Barrel (B)	RBB		5
			Lateral (L)	RBL		4
			Connection (C)	RBC		4
	Roots (R) at a Joint		N/A	RBJ		4
O&M	Infiltration (I)	Weeper (W)		IW		2
		Dripper (D)		ID		3
		Runner (R)		IR		4
		Gusher (G)		IG		5
		Stain (S)		IS		
O&M	Obstacles/Obstructions (OB)	Brick or Masonry (B)		OBB		<=10% - 2, <=20% - 3, <=30% - 4, >30% - 5
		Pipe Material in Invert (M)		OBM		<=10% - 2, <=20% - 3, <=30% - 4, >30% - 5
		Object Intruding Thru Wall (I)		OBI		<=10% - 2, <=20% - 3, <=30% - 4, >30% - 5
		Object Wedged in Joint (J)		OBJ		<=10% - 2, <=20% - 3, <=30% - 4, >30% - 5
		Object Thru Connection (C)		OBC		<=10% - 2, <=20% - 3, <=30% - 4, >30% - 5
		External Pipe or Cable In Sewer (P)		OBP		<=10% - 2, <=20% - 3, <=30% - 4, >30% - 5
		Built Into Structure (S)		OBS		<=10% - 2, <=20% - 3, <=30% - 4, >30% - 5

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NASSCO PACP Condition Grading System
Code Matrix

Family	Group	Descriptor	Modifier	Code	Structural Grade	O&M Grade
		Construction Debris (N)		OBN		<=10% - 2, <=20% - 3, <=30% - 4, >30% - 5
		Rocks (R)		OBR		<=10% - 2, <=20% - 3, <=30% - 4, >30% - 5
		Other Objects (Z)		OBZ		<=10% - 2, <=20% - 3, <=30% - 4, >30% - 5
O&M	Vermin (V)	Rat (R)		VR		2
		Cockroach (C)		VC		1
		Other (Z)		VZ		1
O&M	Grout Test and Seal (G)	Grout Test Pass (GTP)				
			Joint (J)	GTPJ		
			Lateral (L)	GTPL		
		Grout Test Fail (GTF)				
			Joint (J)	GTFJ		
			Lateral (L)	GTFL		
		Grout Test Unable to Test (GTU)				
			Joint (J)	GTUJ		
			Lateral (L)	GTUL		
		Grout at a Location (not a joint) (GRT)		GRT		
Construction Features	Tap (T)	Factory Made (F)		TF		
			Capped (C)	TFC		
			Abandoned (B)	TFB		
			Defective (D)	TFD		2
			Intruding (I)	TFI		<=10% - 2, <=20% - 3, <=30% - 4, >30% - 5
			Activity (A)	TFA		
		Break-In/Hammer (B)		TB		
			Capped (C)	TBC		2
			Abandoned (B)	TBB		
			Defective (D)	TBD		3
			Intruding (I)	TBI		<=10% - 2, <=20% - 3, <=30% - 4, >30% - 5
			Activity (A)	TBA		
		Saddle (S)		TS		
			Capped (C)	TSC		
			Abandoned (B)	TSB		

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NASSCO PACP Condition Grading System
Code Matrix

Family	Group	Descriptor	Modifier	Code	Structural Grade	O&M Grade
			Defective (D)	TSD		2
			Intruding (I)	TSI		<=10% - 2, <=20% - 3, <=30% - 4, >30% - 5
			Activity (A)	TSA		
		Rehabilitated (R)		TR		
			Defective (D)	TRD		2
			Intruding (I)	TRI		<=10% - 2, <=20% - 3, <=30% - 4, >30% - 5
Construction Features	Intruding Seal Material (IS)			IS		
		Sealing Ring (SR)		ISSR		<=10% - 2, <=20% - 3, <=30% - 4, >30% - 5
			Hanging (H)	ISSRH		<=10% - 2, <=20% - 3, <=30% - 4, >30% - 5
			Broken (B)	ISSRB		<=10% - 2, <=20% - 3, <=30% - 4, >30% - 5
		Loose, Poorly Fitting (SRL)		ISSRL		<=10% - 2, <=20% - 3, <=30% - 4, >30% - 5
		Grout (GT)		ISGT		<=10% - 2, <=20% - 3, <=30% - 4, >30% - 5
		Other (Z)		ISZ		<=10% - 2, <=20% - 3, <=30% - 4, >30% - 5
Construction Features	Line (L)	Left (L)		LL		<=10 Deg - 1, <=20 Deg 2, >20 Deg - 4
		Left/Up (LU)		LLU		<=10 Deg - 1, <=20 Deg 2, >20 Deg - 4
		Left/Down (LD)		LLD		<=10 Deg - 1, <=20 Deg 2, >20 Deg - 4
		Right (R)		LR		<=10 Deg - 1, <=20 Deg 2, >20 Deg - 4

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NASSCO PACP Condition Grading System
Code Matrix

Family	Group	Descriptor	Modifier	Code	Structural Grade	O&M Grade
		Right/Up (RU)		LRU		<=10 Deg - 1, <=20 Deg 2, >20 Deg - 4
		Right/Down (RD)		LRD		<=10 Deg - 1, <=20 Deg 2, >20 Deg - 4
		Up (U)		LU		<=10 Deg - 1, <=20 Deg 2, >20 Deg - 4
		Down (D)		LD		<=10 Deg - 1, <=20 Deg 2, >20 Deg - 4
Construction	Access Points (A)					
		Cleanout (CO)		ACO		
			Mainline (M)	ACOM		
			Property (P)	ACOP		
			House (H)	ACOH		
		Discharge Point (DP)		ADP		
		Junction Box (JB)		AJB		
		Meter (M)		AM		
		Manhole (MH)		AMH		
		Other Special Chamber (OC)		AOC		
		Tee Connection (TC)		ATC		
		WW Access Device (WA)		AWA		
		Wet Well (WW)		AWW		
		Catch Basin (CB)		ACB		
		End of Pipe (EP)		AEP		
Other	Miscellaneous (M)	Camera Underwater (CU)		MCU		4
		Dimension/Diam/Shape Change (SC)		MSC		
		General Observation (GO)		MGO		
		General Photograph (GP)		MGP		
		Material Change (MC)		MMC		
		Lining Change (LC)		MLC		
		Pipe Joint Length Change (JL)		MJL		
		Survey Abandoned (SA)		MSA		
		Water Level (WL)		MWL		
			Sag (S)	MWLS	<=30% - 2, <=50% - 3, >50% - 4	
		Water Mark (WM)		MWM		>=50% 4, >=75% 5
		Dye Test (Y)		MY		
			Visible (V)	MYV		5
			Not Visible (N)	MYN		3

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REPAIR TECHNIQUES

1. Cured In Place Pipe (CIPP) Lining

The CIPP lining process involves inserting a resin-saturated flexible lining into the existing pipe. The lining looks like a very large sock or flexible tube. Air or water under pressure is forced into the tube, which turns the lining inside out and causes it to fit tightly to the existing pipe walls. Hot air or water is circulated throughout the tube to harden the resin, completing the curing process. When the curing process is completed, a new pipe has been created that is free of cracks and holes that allow rainwater and roots to enter the pipe and cause operational problems such as stoppages and overflows. The finished product has a 50-year design life, the same as that of a brand new pipe.

2. Cured In Place Pipe (CIPP) Sectional Repairs

Sectional CIPP repairs apply to facilities that do not require the entire pipe to be rehabilitated. If a particular pipe is damaged in isolated locations, then CIPP sectional repairs can typically be applied and the repairs range from three to thirty feet in length with diameters ranging from six inches to forty-eight inches. Unlike full-length liners, a sectional repair may be any distance from the manhole.

3. Top Hat (TH) In Lateral/Main Connection Sealing

This utilizes a specially shaped liner, which looks just like a Top Hat (TH) or inverted ‘T’. The stem of the TH forms the section of liner that is placed into the lateral pipe while the TH crossbar sits against the inner wall of the main. Resin impregnation of the liner material allows it to be positioned using a specially designed remote control robotic installer and held in position for curing of the resin. Once cured, the robot and retention system are removed leaving the ‘T’-shaped liner forming a seal across the lateral/main joint. The TH stem can be made to pass as deep into the lateral if necessary.

4. Pressurized Hydrophilic Chemical Grout and Urethane Sealant

Pressurized hydrophilic grout is primarily used for the repair of defects in water environments. The grout is typically injected under pressure, as a liquid into and/or around a leak. Once in contact with water, the grout reacts, filling voids and sealing defects. Hydrophilic grout requires water for the reaction to occur and creates flexible, resilient repairs. It can bond to wet surfaces, and has the ability to expand or contract within the voids.

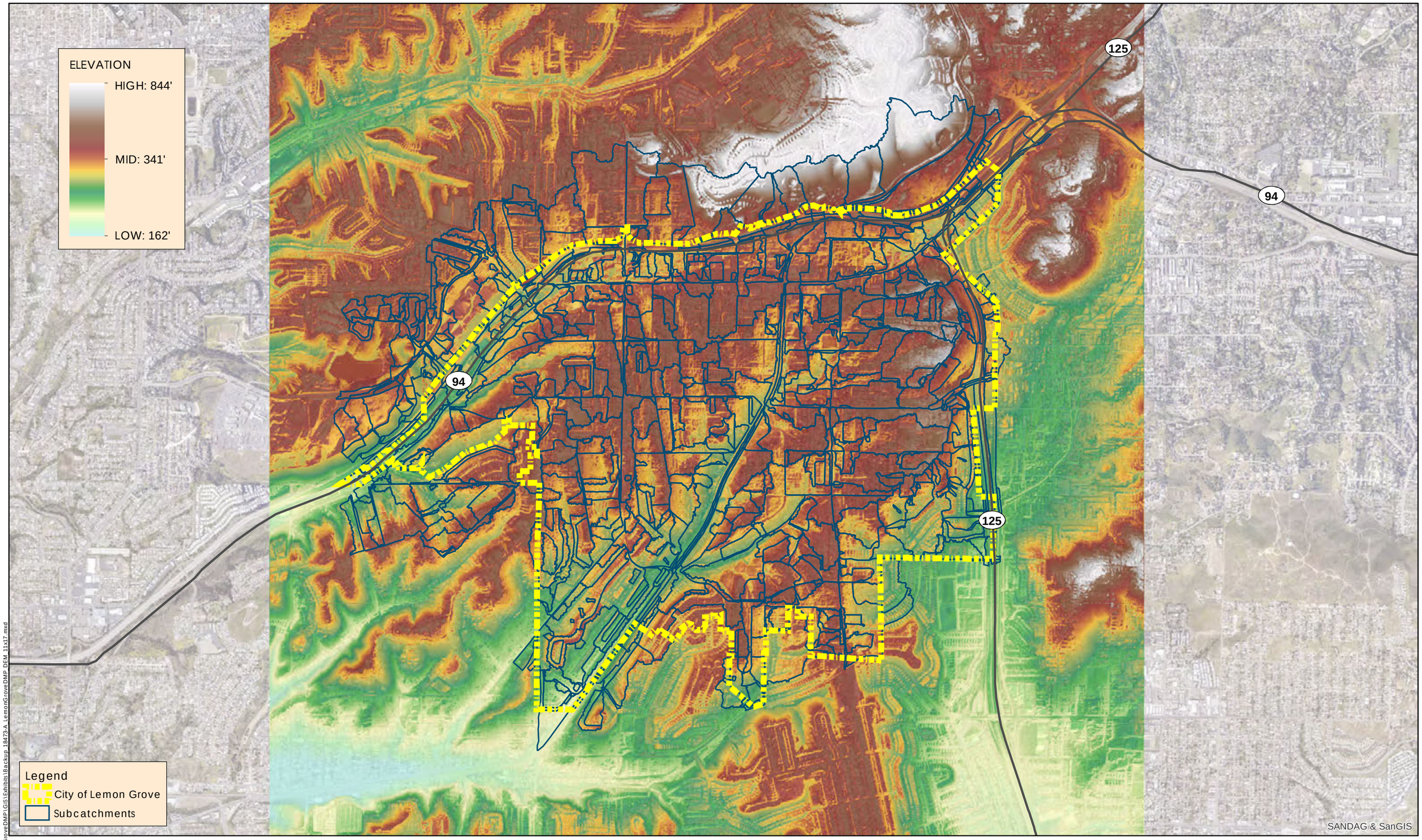
5. Hydro-Scouring

The hydro scouring method effectively removes grit and grease accumulation from sewer lines. High water pressure scours the inside of the sewer pipelines, restoring the hydraulic capacity.

6. Pipe Removal and Replacement

Removal and replacement is recommended if the pipe cannot be rehabilitated.

C. GIS Dataset Exhibits



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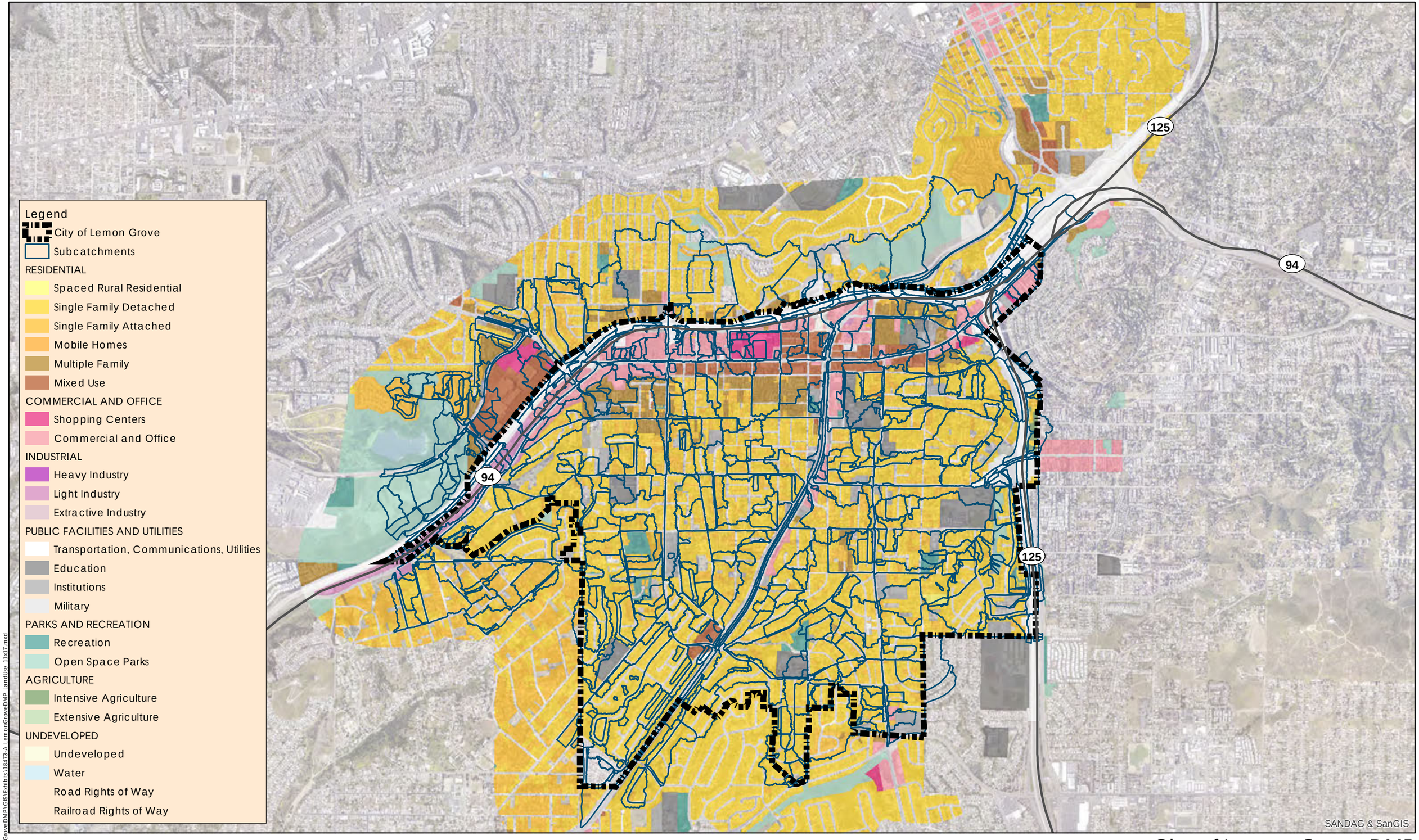
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Date of Exhibit: 5/23/2019
Data Sources:
City of Lemon Grove: Storm Drain
SANGIS/SANDAG: Aerial Imagery, DEM, Topography

City of Lemon Grove DMP

Digital Elevation Model

J-18473 A



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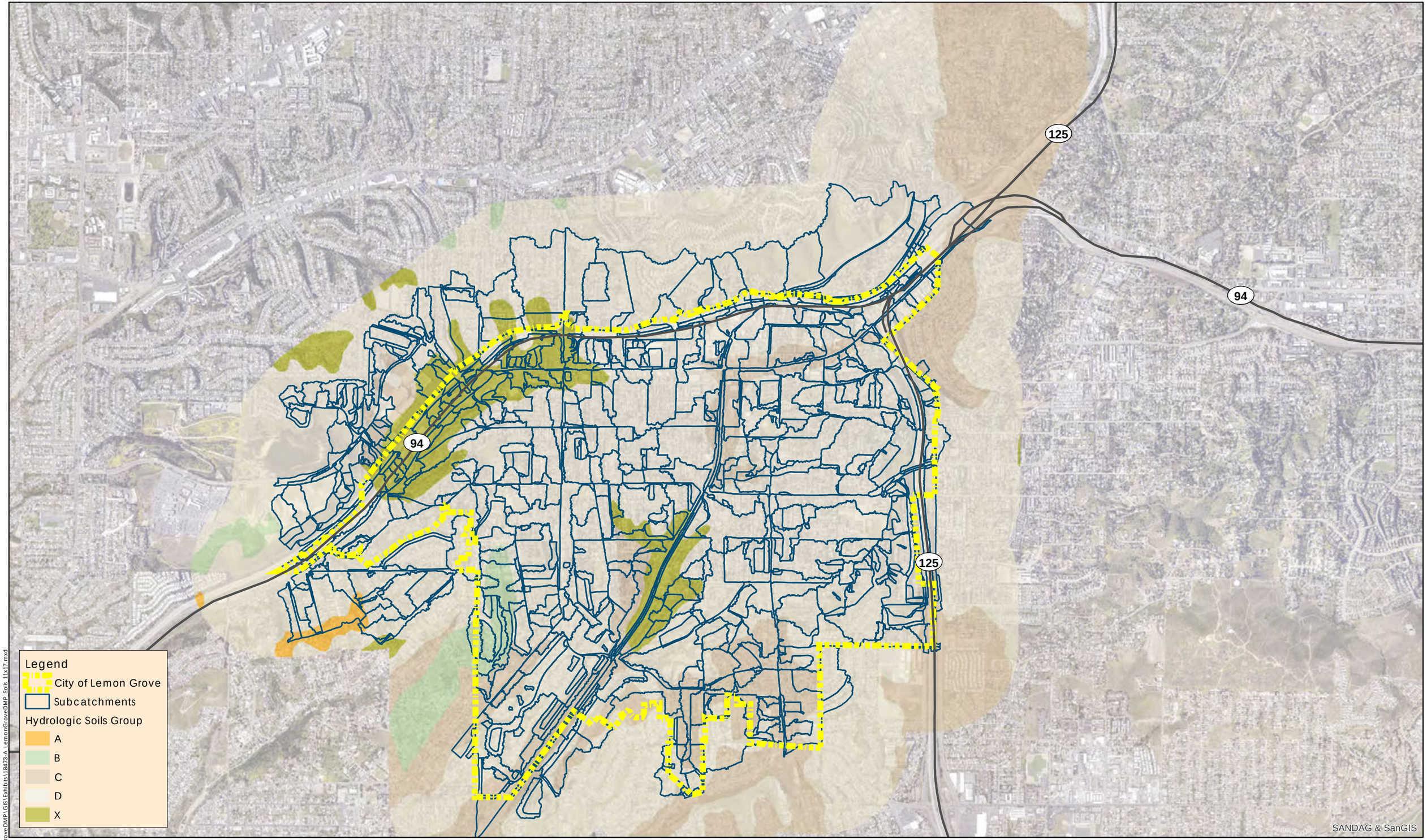
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Date of Exhibit: 5/23/2019
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City of Lemon Grove: Storm Drain
SANGIS Planned Land Use
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City of Lemon Grove DMP

Land Use Map

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Scale in Feet
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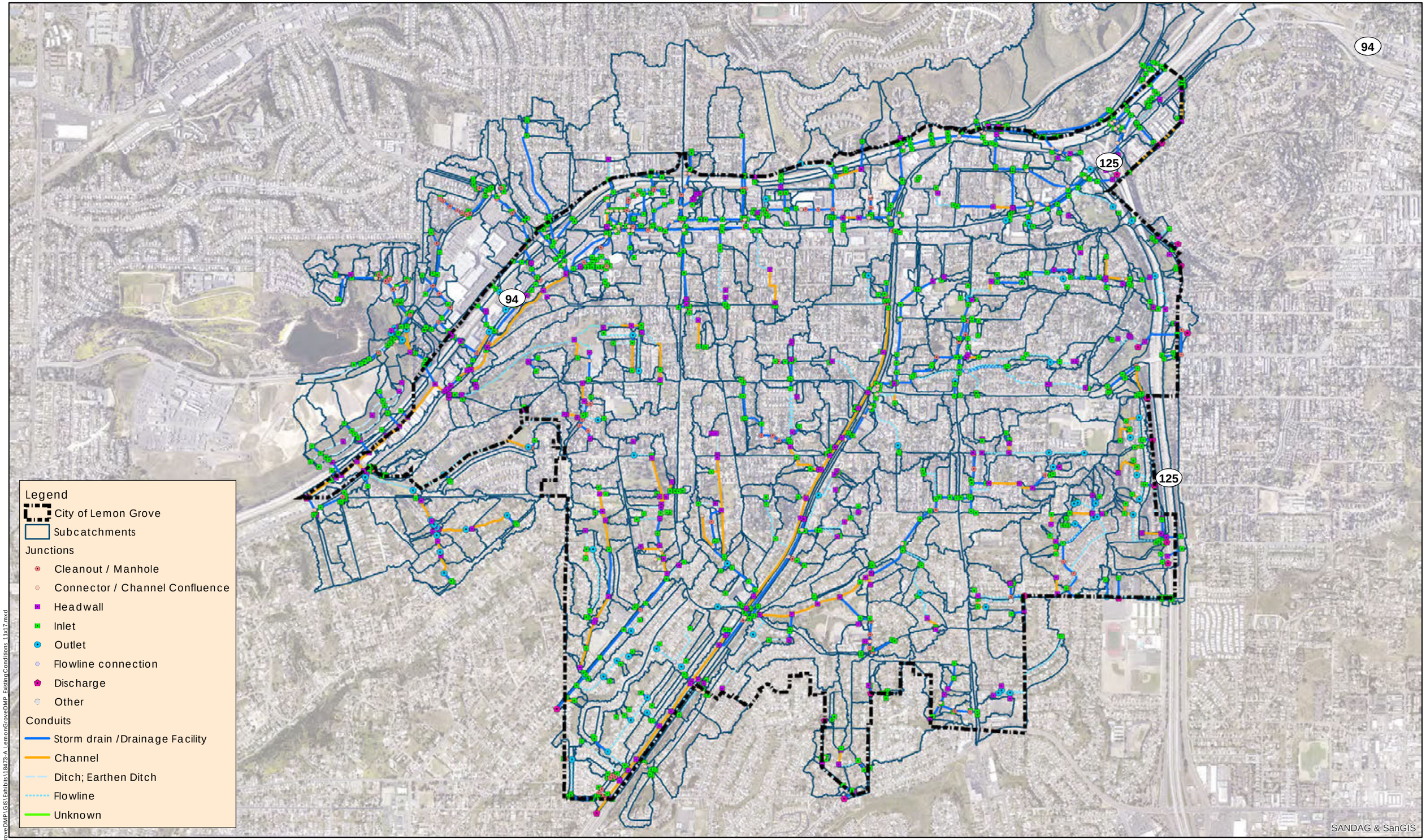
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City of Lemon Grove: Storm Drain
Hydrolgic Soils: SSURGO
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City of Lemon Grove DMP

Hydrologic Soils Group

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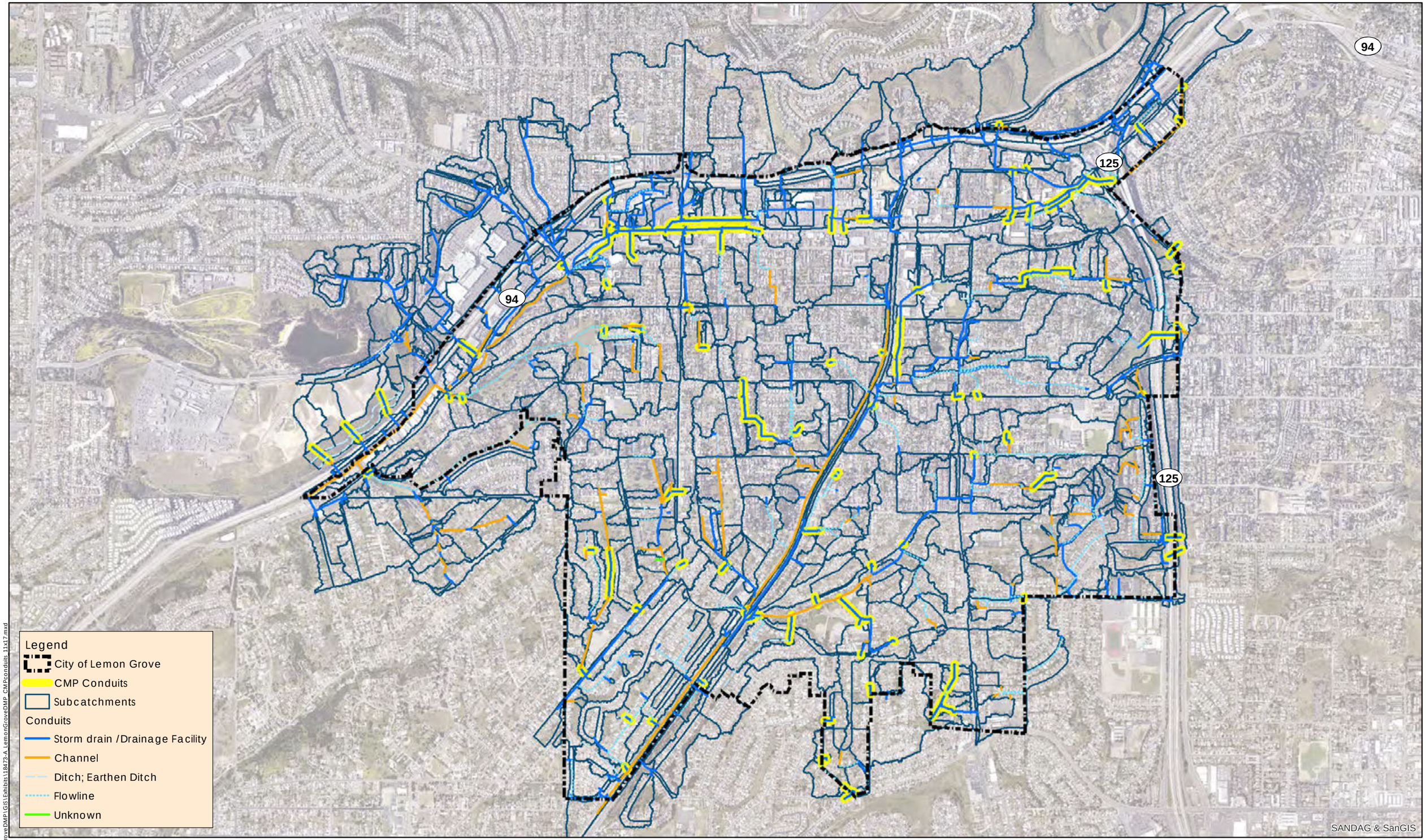
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City of Lemon Grove DMP

Existing Conditions

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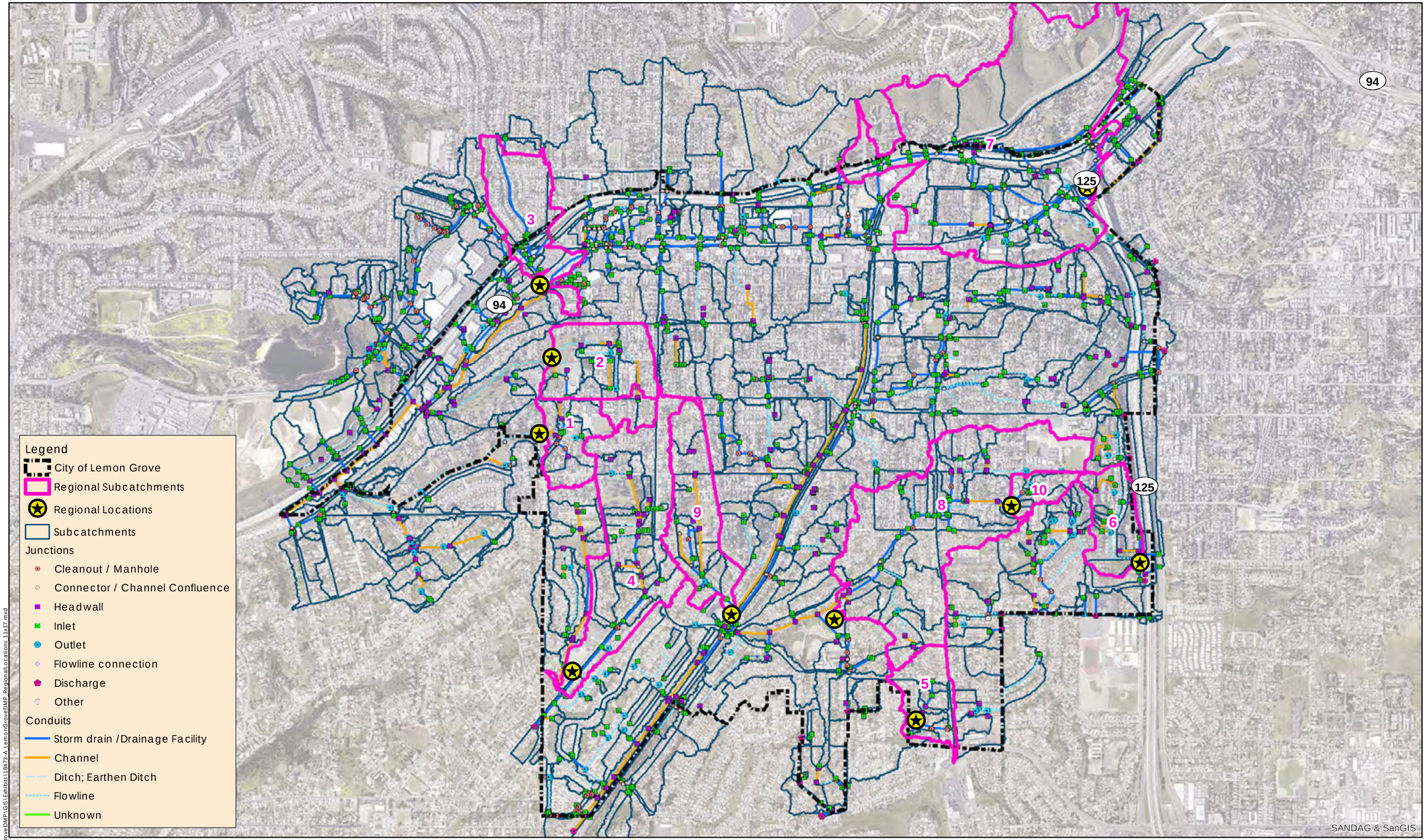
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North

Date of Exhibit: 5/24/2019
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City of Lemon Grove: Storm Drain
SANGIS/SANDAG: Aerial Imagery, DEM, Topography

City of Lemon Grove DMP

CMP Conduits Map

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Legend

- City of Lemon Grove
- Regional Subcatchments
- Regional Locations
- Subcatchments

Junctions

- Cleanout / Manhole
- Connector / Channel Confluence
- Headwall
- Inlet
- Outlet
- Flowline connection
- Discharge
- Other

Conduits

- Storm drain /Drainage Facility
- Channel
- Ditch; Earthen Ditch
- Flowline
- Unknown

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Scale in Feet: 0 — 1,500 — 3,000

North

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Data Sources:
City of Lemon Grove: Storm Drain
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City of Lemon Grove DMP

Regional Locations

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D. Inundation Maps

Legend

City of Lemon Grove

Junctions

- Cleanout / Manhole
- Connector / Channel Confluence
- Headwall
- Inlet
- Outlet
- Flowline connection
- Discharge
- Other

Conduits

- Storm drain /Drainage Facility
- Channel
- Ditch; Earthen Ditch
- Flowline
- Unknown

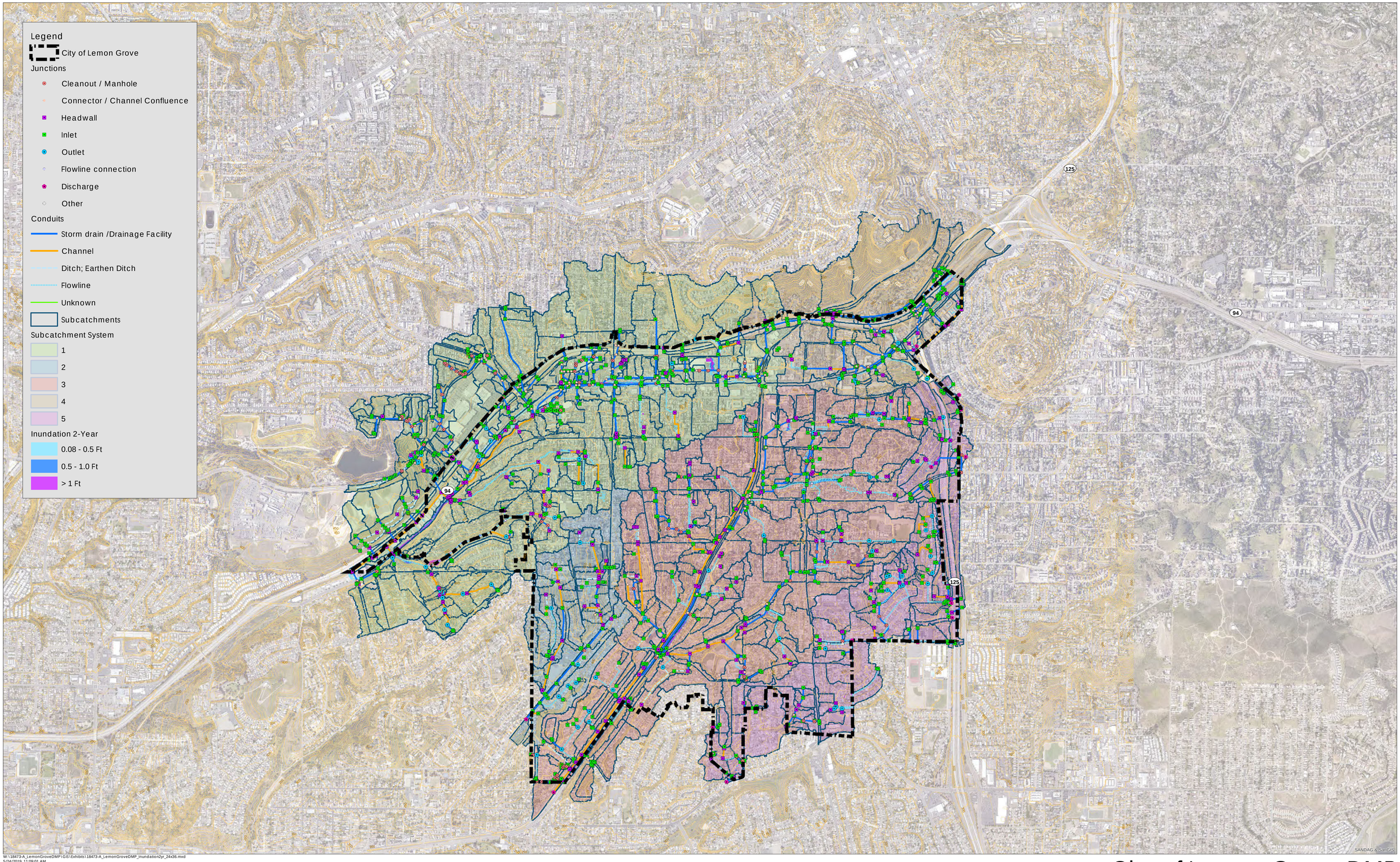
Subcatchments

Subcatchment System

- 1
- 2
- 3
- 4
- 5

Inundation 2-Year

- 0.08 - 0.5 Ft
- 0.5 - 1.0 Ft
- > 1 Ft



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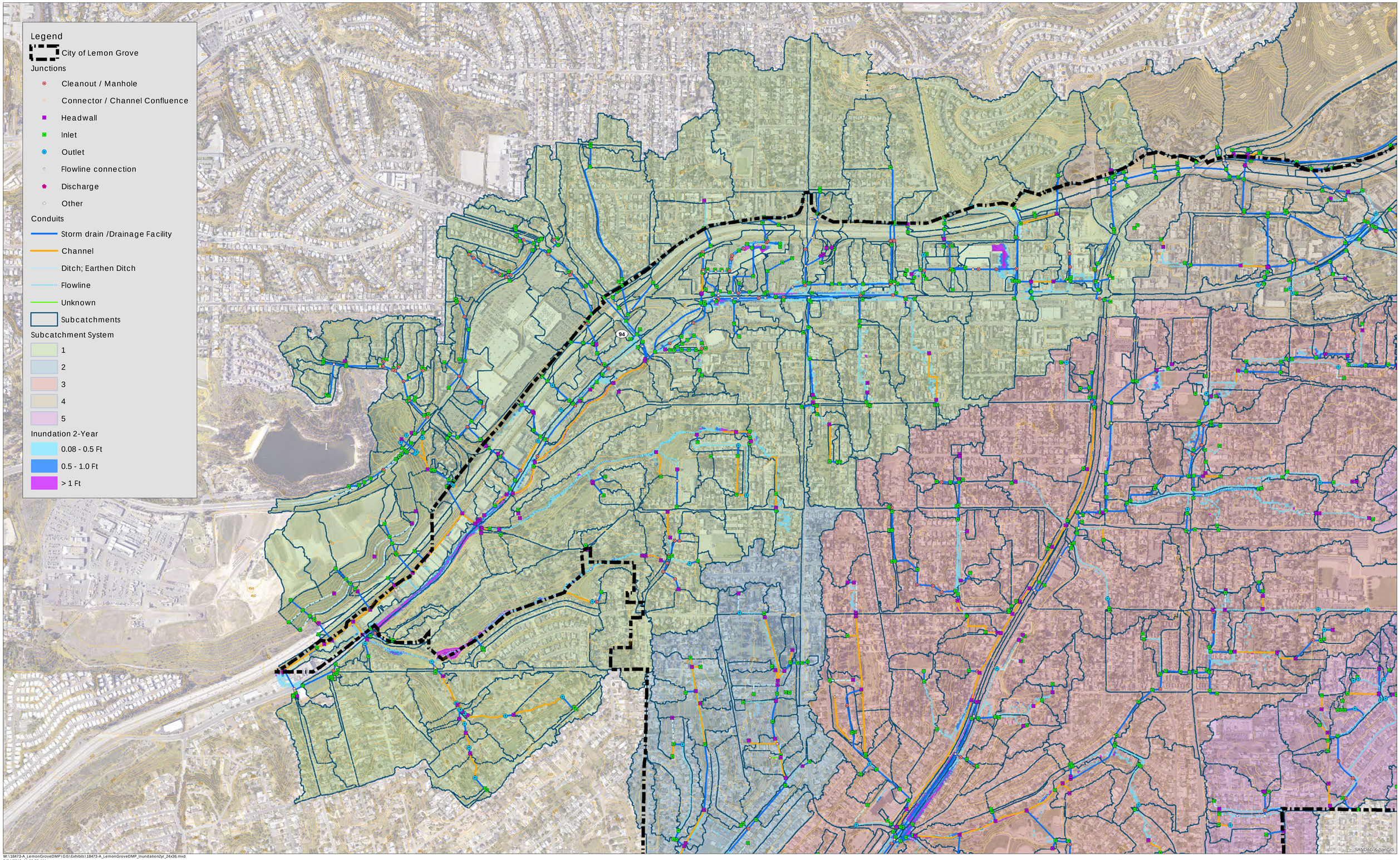
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North

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City of Lemon Grove: Storm Drain
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City of Lemon Grove DMP

2-Year Inundation - Overview Map

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North

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City of Lemon Grove DMP

2-Year Inundation - System 1

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Legend

City of Lemon Grove

Junctions

- Cleanout / Manhole
- Connector / Channel Confluence
- Headwall
- Inlet
- Outlet
- Flowline connection
- Discharge
- Other

Conduits

- Storm drain /Drainage Facility
- Channel
- Ditch; Earthen Ditch
- Flowline
- Unknown

Subcatchments

Subcatchment System

- 1
- 2
- 3
- 4
- 5

Inundation 2-Year

- 0.08 - 0.5 Ft
- 0.5 - 1.0 Ft
- > 1 Ft

125

SANDAG & SanGIS

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Scale in Feet
0 500 1,000 1,500
North

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Data Sources:
City of Lemon Grove: Storm Drain
SANGIS/SANDAG: Aerial Imagery, DEM, Topography

City of Lemon Grove DMP

2-Year Inundation - System 2

J-18473 A

Legend

City of Lemon Grove

Junctions

- Cleanout / Manhole
- Connector / Channel Confluence
- Headwall
- Inlet
- Outlet
- Flowline connection
- Discharge
- Other

Conduits

- Storm drain /Drainage Facility
- Channel
- Ditch; Earthen Ditch
- Flowline
- Unknown

Subcatchments

Subcatchment System

- 1
- 2
- 3
- 4
- 5

Inundation 2-Year

- 0.08 - 0.5 Ft
- 0.5 - 1.0 Ft
- > 1 Ft

94

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Scale in Feet
0 350 700 1,050
North

Date of Exhibit: 5/24/2019
Data Sources:
City of Lemon Grove: Storm Drain
SANGIS/SANDAG: Aerial Imagery, DEM, Topography

City of Lemon Grove DMP

2-Year Inundation - System 3

J-18473 A

Legend

City of Lemon Grove

Junctions

- Cleanout / Manhole
- Connector / Channel Confluence
- Headwall
- Inlet
- Outlet
- Flowline connection
- Discharge
- Other

Conduits

- Storm drain /Drainage Facility
- Channel
- Ditch; Earthen Ditch
- Flowline
- Unknown

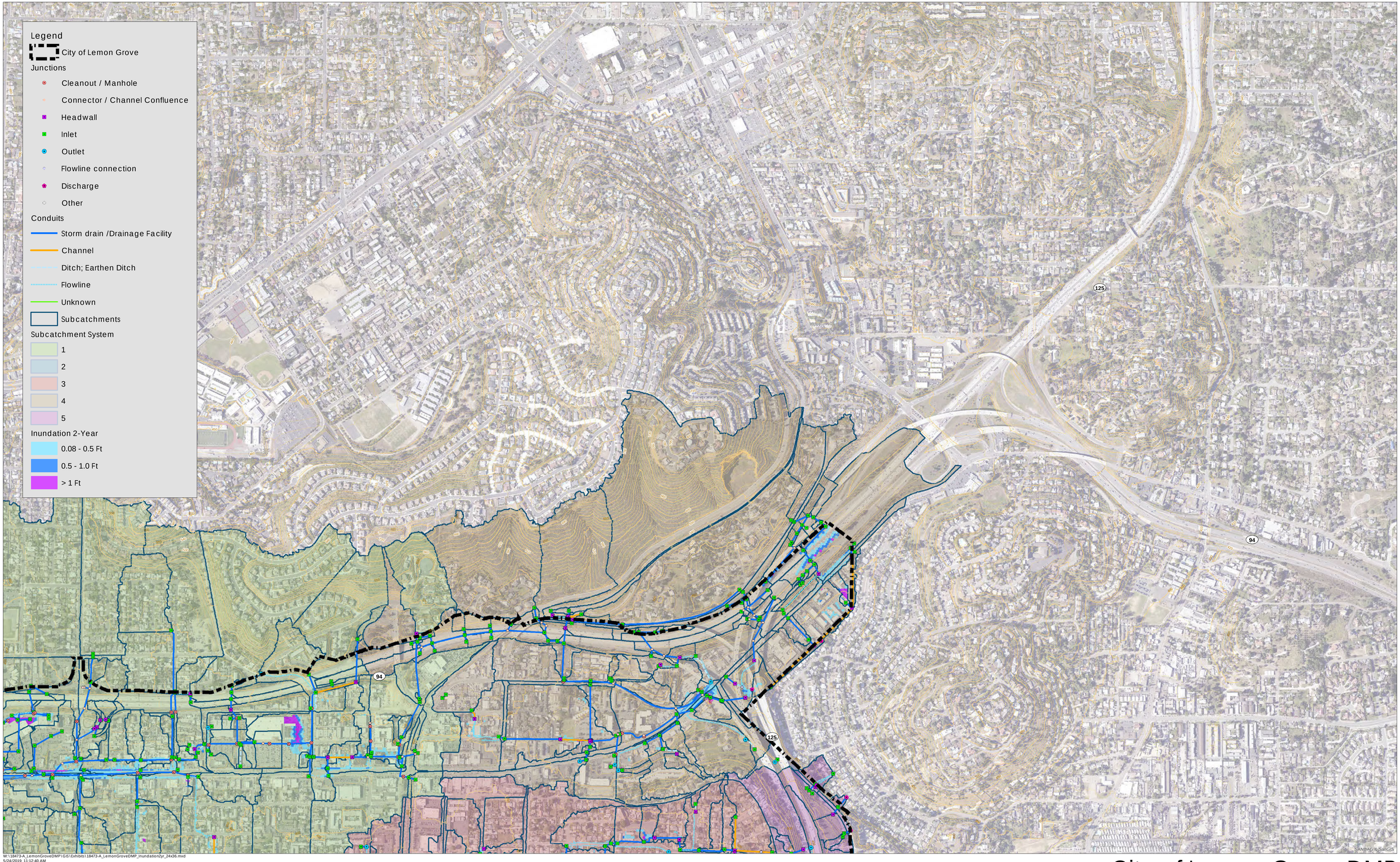
Subcatchments

Subcatchment System

- 1
- 2
- 3
- 4
- 5

Inundation 2-Year

- 0.08 - 0.5 Ft
- 0.5 - 1.0 Ft
- > 1 Ft



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Scale in Feet
0 450 900 1,350
North

Date of Exhibit: 5/24/2019
Data Sources:
City of Lemon Grove: Storm Drain
SANGIS/SANDAG: Aerial Imagery, DEM, Topography

City of Lemon Grove DMP

2-Year Inundation - System 4

J-18473 A

Legend

City of Lemon Grove

Junctions

- Cleanout / Manhole
- Connector / Channel Confluence
- Headwall
- Inlet
- Outlet
- Flowline connection
- Discharge
- Other

Conduits

- Storm drain /Drainage Facility
- Channel
- Ditch; Earthen Ditch
- Flowline
- Unknown

Subcatchments

Subcatchment System

- 1
- 2
- 3
- 4
- 5

Inundation 2-Year

- 0.08 - 0.5 Ft
- 0.5 - 1.0 Ft
- > 1 Ft

125

SANDAG & SanGIS

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Scale in Feet
0 500 1,000 1,500
North

Date of Exhibit: 5/24/2019
Data Sources:
City of Lemon Grove: Storm Drain
SANGIS/SANDAG: Aerial Imagery, DEM, Topography

City of Lemon Grove DMP

2-Year Inundation - System 5

J-18473 A

Legend

City of Lemon Grove

Junctions

- Cleanout / Manhole
- Connector / Channel Confluence
- Headwall
- Inlet
- Outlet
- Flowline connection
- Discharge
- Other

Conduits

- Storm drain /Drainage Facility
- Channel
- Ditch; Earthen Ditch
- Flowline
- Unknown

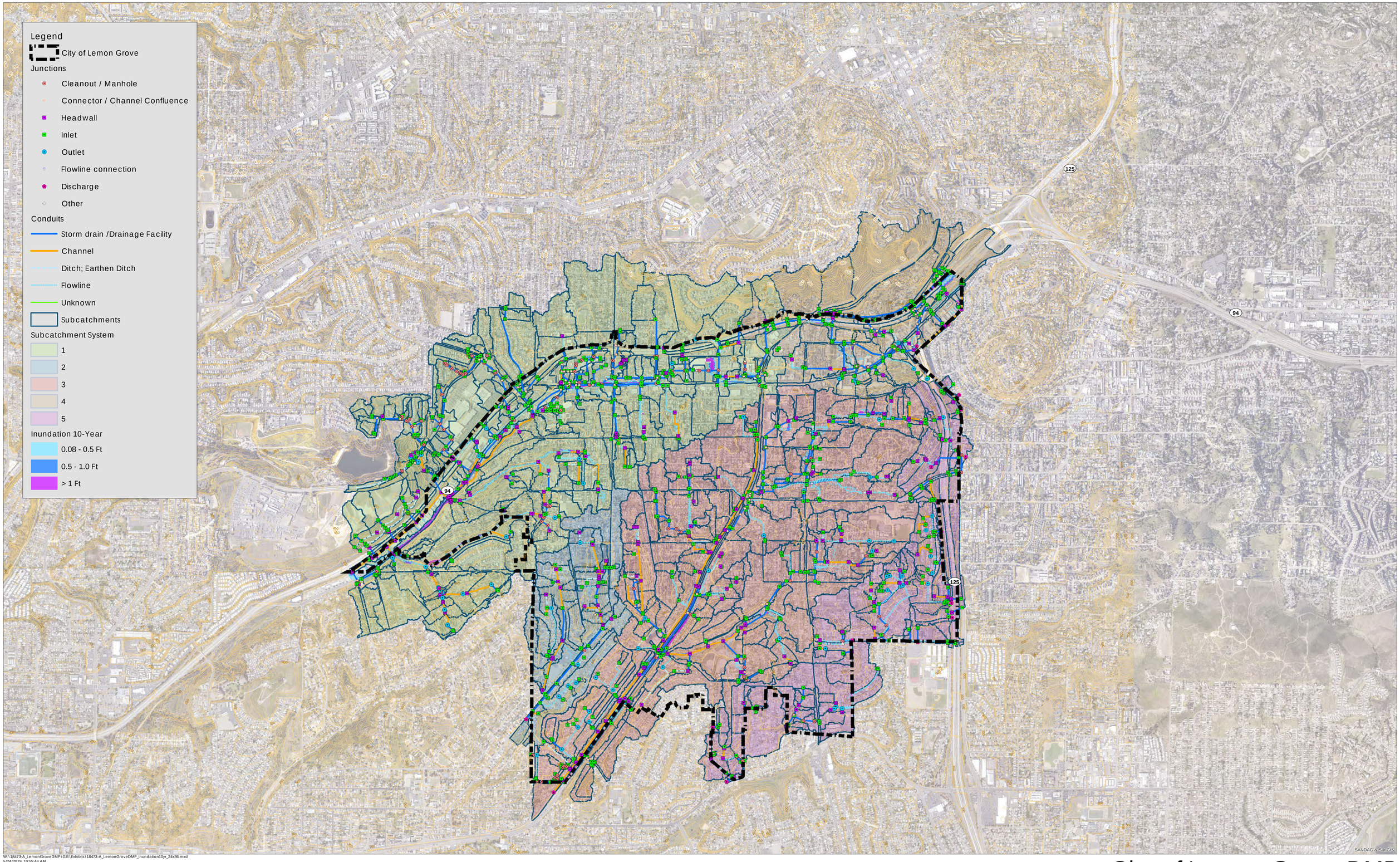
Subcatchments

Subcatchment System

- 1
- 2
- 3
- 4
- 5

Inundation 10-Year

- 0.08 - 0.5 Ft
- 0.5 - 1.0 Ft
- > 1 Ft



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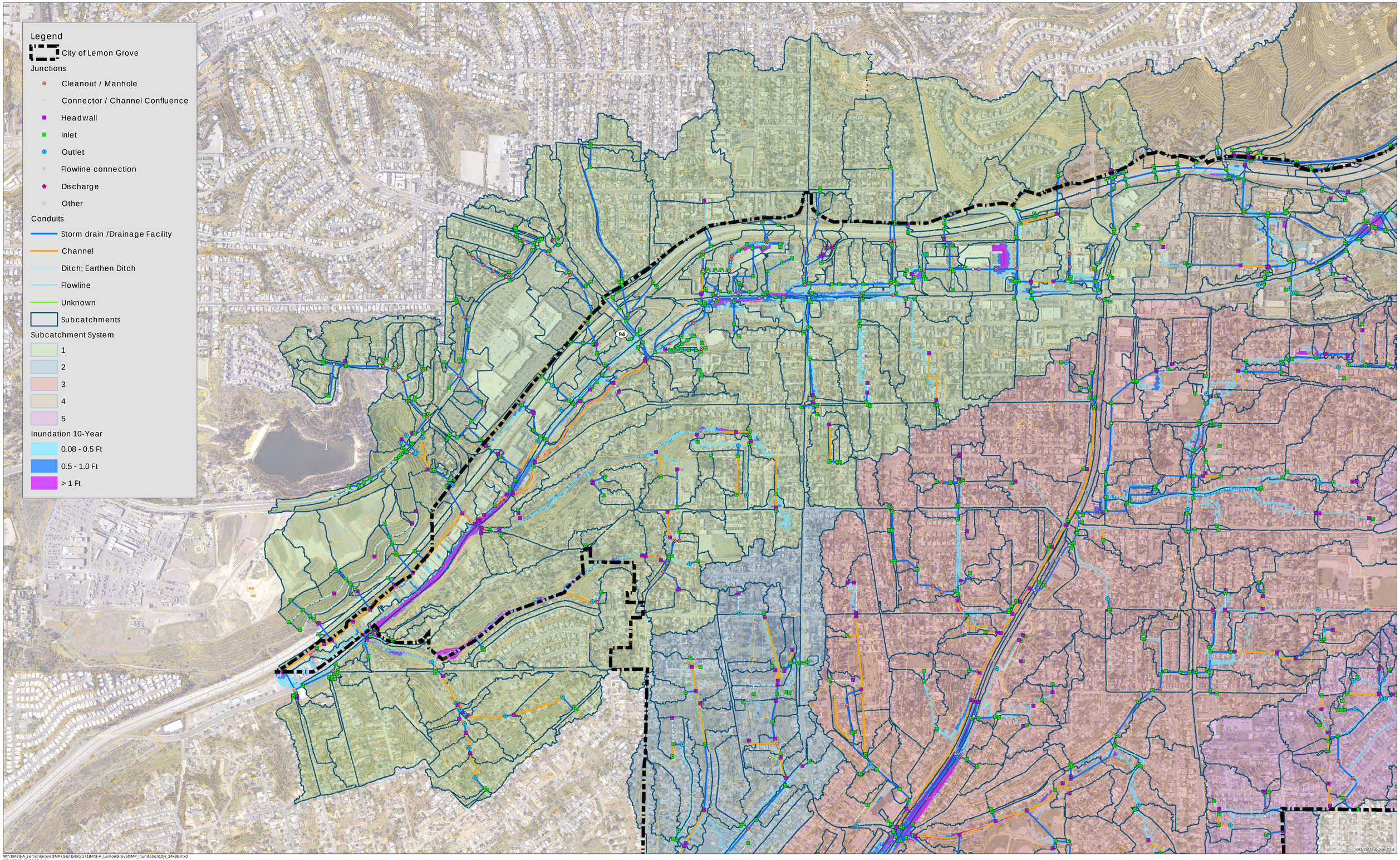
Scale in Feet
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Date of Exhibit: 5/24/2019
Data Sources:
City of Lemon Grove: Storm Drain
SANGIS/SANDAG: Aerial Imagery, DEM, Topography

City of Lemon Grove DMP

10-Year Inundation - Overview Map

J-18473 A



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Scale in Feet
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Date of Exhibit: 5/24/2019
Data Sources:
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SANGIS/SANDAG: Aerial Imagery, DEM, Topography

City of Lemon Grove DMP

10-Year Inundation - System 1

J-18473 A

Legend

City of Lemon Grove

Junctions

- Cleanout / Manhole
- Connector / Channel Confluence
- Headwall
- Inlet
- Outlet
- Flowline connection
- Discharge
- Other

Conduits

- Storm drain /Drainage Facility
- Channel
- Ditch; Earthen Ditch
- Flowline
- Unknown

Subcatchments

Subcatchment System

- 1
- 2
- 3
- 4
- 5

Inundation 10-Year

- 0.08 - 0.5 Ft
- 0.5 - 1.0 Ft
- > 1 Ft

125

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Scale in Feet
0 500 1,000 1,500
North

Date of Exhibit: 5/24/2019
Data Sources:
City of Lemon Grove: Storm Drain
SANGIS/SANDAG: Aerial Imagery, DEM, Topography

City of Lemon Grove DMP

10-Year Inundation - System 2

J-18473 A

Legend

City of Lemon Grove

Junctions

- Cleanout / Manhole
- Connector / Channel Confluence
- Headwall
- Inlet
- Outlet
- Flowline connection
- Discharge
- Other

Conduits

- Storm drain /Drainage Facility
- Channel
- Ditch; Earthen Ditch
- Flowline
- Unknown

Subcatchments

Subcatchment System

- 1
- 2
- 3
- 4
- 5

Inundation 10-Year

- 0.08 - 0.5 Ft
- 0.5 - 1.0 Ft
- > 1 Ft

94

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Scale in Feet
0 350 700 1,050
North

Date of Exhibit: 5/24/2019
Data Sources:
City of Lemon Grove: Storm Drain
SANGIS/SANDAG: Aerial Imagery, DEM, Topography

City of Lemon Grove DMP

10-Year Inundation - System 3

J-18473 A

Legend

City of Lemon Grove

Junctions

- Cleanout / Manhole
- Connector / Channel Confluence
- Headwall
- Inlet
- Outlet
- Flowline connection
- Discharge
- Other

Conduits

- Storm drain /Drainage Facility
- Channel
- Ditch; Earthen Ditch
- Flowline
- Unknown

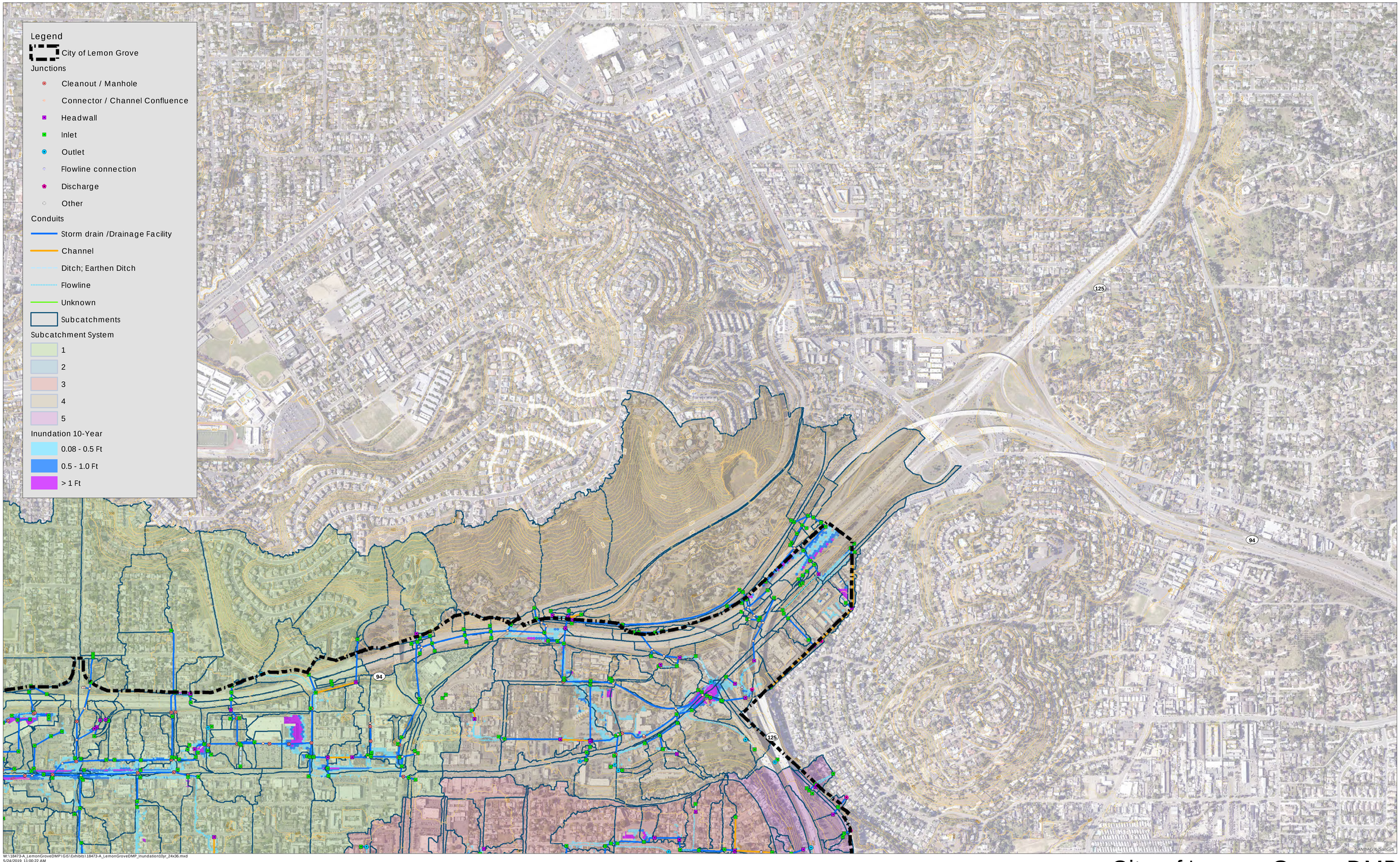
Subcatchments

Subcatchment System

- 1
- 2
- 3
- 4
- 5

Inundation 10-Year

- 0.08 - 0.5 Ft
- 0.5 - 1.0 Ft
- > 1 Ft



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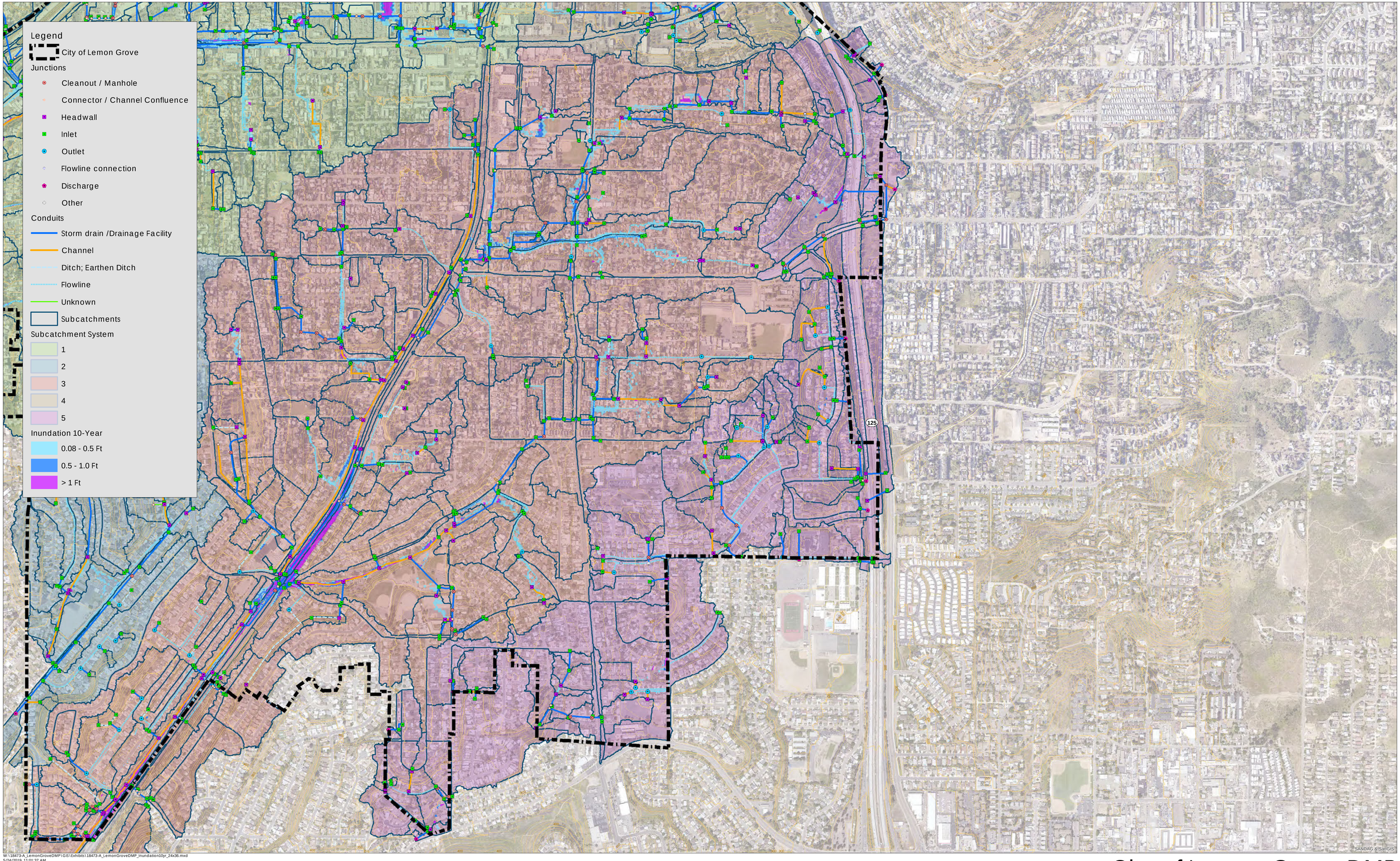
Scale in Feet
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Date of Exhibit: 5/24/2019
Data Sources:
City of Lemon Grove: Storm Drain
SANGIS/SANDAG: Aerial Imagery, DEM, Topography

City of Lemon Grove DMP

10-Year Inundation - System 4

J-18473 A



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Scale in Feet
0 500 1,000 1,500
North

Date of Exhibit: 5/24/2019
Data Sources:
City of Lemon Grove: Storm Drain
SANGIS/SANDAG: Aerial Imagery, DEM, Topography

City of Lemon Grove DMP

10-Year Inundation - System 5

J-18473 A

Legend

City of Lemon Grove

Junctions

- Cleanout / Manhole
- Connector / Channel Confluence
- Headwall
- Inlet
- Outlet
- Flowline connection
- Discharge
- Other

Conduits

- Storm drain /Drainage Facility
- Channel
- Ditch; Earthen Ditch
- Flowline
- Unknown

Subcatchments

Subcatchment System

- 1
- 2
- 3
- 4
- 5

Inundation 100-Year

- 0.08 - 0.5 Ft
- 0.5 - 1.0 Ft
- > 1 Ft

125

94

94

125

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Scale in Feet
0 1,000 2,000 3,000
North

Date of Exhibit: 5/24/2019
Data Sources:
City of Lemon Grove: Storm Drain
SANGIS/SANDAG: Aerial Imagery, DEM, Topography

City of Lemon Grove DMP

100-Year Inundation - Overview Map

J-18473 A

Legend

City of Lemon Grove

Junctions

- Cleanout / Manhole
- Connector / Channel Confluence
- Headwall
- Inlet
- Outlet
- Flowline connection
- Discharge
- Other

Conduits

- Storm drain /Drainage Facility
- Channel
- Ditch; Earthen Ditch
- Flowline
- Unknown

Subcatchments

Subcatchment System

- 1
- 2
- 3
- 4
- 5

Inundation 100-Year

- 0.08 - 0.5 Ft
- 0.5 - 1.0 Ft
- > 1 Ft

94

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Scale in Feet
0 500 1,000 1,500
North

Date of Exhibit: 5/24/2019
Data Sources:
City of Lemon Grove: Storm Drain
SANGIS/SANDAG: Aerial Imagery, DEM, Topography

City of Lemon Grove DMP

100-Year Inundation - System 1

J-18473 A

Legend

City of Lemon Grove

Junctions

- Cleanout / Manhole
- Connector / Channel Confluence
- Headwall
- Inlet
- Outlet
- Flowline connection
- Discharge
- Other

Conduits

- Storm drain /Drainage Facility
- Channel
- Ditch; Earthen Ditch
- Flowline
- Unknown

Subcatchments

Subcatchment System

- 1
- 2
- 3
- 4
- 5

Inundation 100-Year

- 0.08 - 0.5 Ft
- 0.5 - 1.0 Ft
- > 1 Ft

125

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Scale in Feet
0 500 1,000 1,500
North

Date of Exhibit: 5/24/2019
Data Sources:
City of Lemon Grove: Storm Drain
SANGIS/SANDAG: Aerial Imagery, DEM, Topography

City of Lemon Grove DMP

100-Year Inundation - System 2

J-18473 A

Legend

City of Lemon Grove

Junctions

- Cleanout / Manhole
- Connector / Channel Confluence
- Headwall
- Inlet
- Outlet
- Flowline connection
- Discharge
- Other

Conduits

- Storm drain /Drainage Facility
- Channel
- Ditch; Earthen Ditch
- Flowline
- Unknown

Subcatchments

Subcatchment System

- 1
- 2
- 3
- 4
- 5

Inundation 100-Year

- 0.08 - 0.5 Ft
- 0.5 - 1.0 Ft
- > 1 Ft

94

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Scale in Feet
0 350 700 1,050
North

Date of Exhibit: 5/24/2019
Data Sources:
City of Lemon Grove: Storm Drain
SANGIS/SANDAG: Aerial Imagery, DEM, Topography

City of Lemon Grove DMP

100-Year Inundation - System 3

J-18473 A

Legend

City of Lemon Grove

Junctions

- Cleanout / Manhole
- Connector / Channel Confluence
- Headwall
- Inlet
- Outlet
- Flowline connection
- Discharge
- Other

Conduits

- Storm drain /Drainage Facility
- Channel
- Ditch; Earthen Ditch
- Flowline
- Unknown

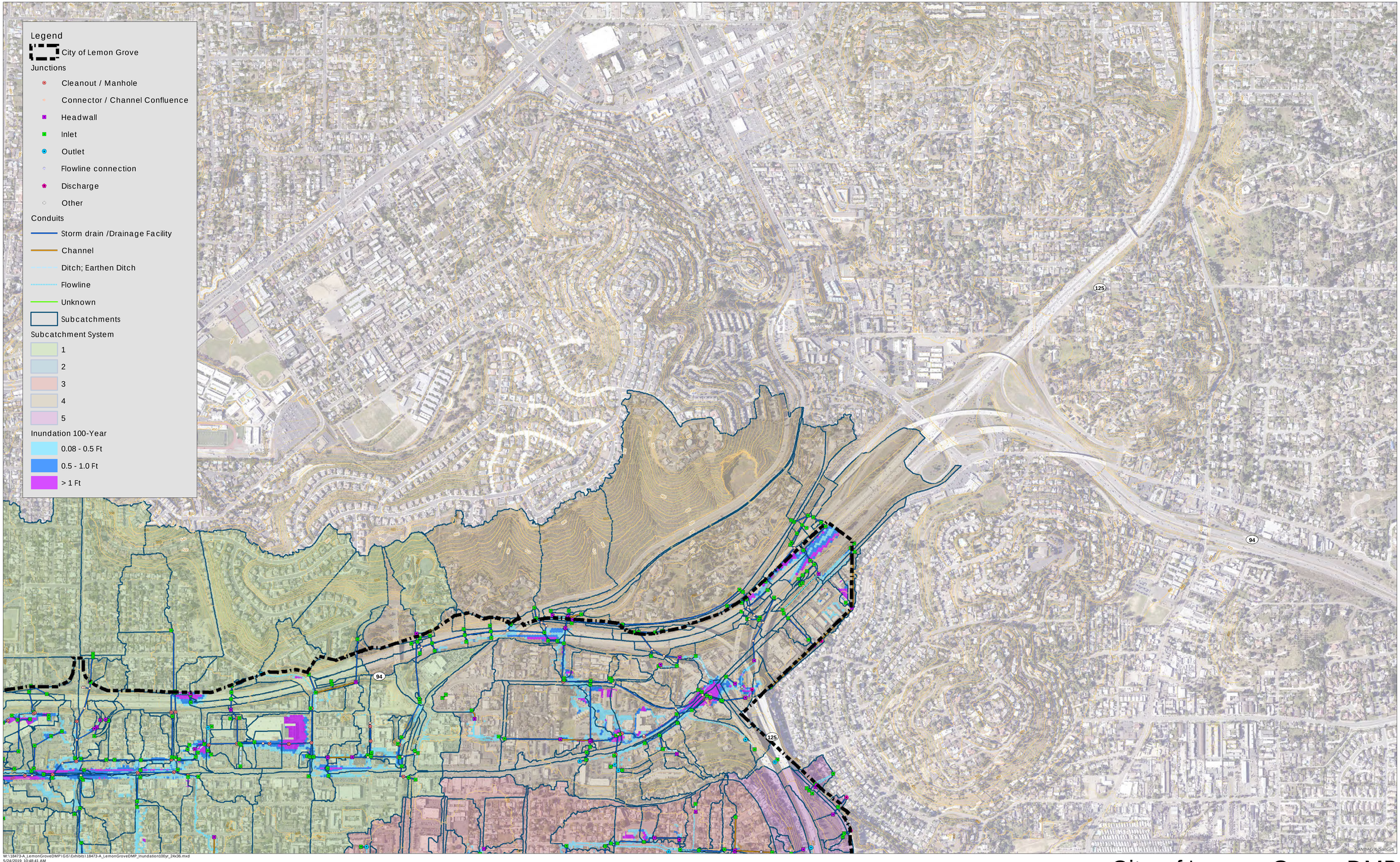
Subcatchments

Subcatchment System

- 1
- 2
- 3
- 4
- 5

Inundation 100-Year

- 0.08 - 0.5 Ft
- 0.5 - 1.0 Ft
- > 1 Ft



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Scale in Feet
0 450 900 1,350
North

Date of Exhibit: 5/24/2019
Data Sources:
City of Lemon Grove: Storm Drain
SANGIS/SANDAG: Aerial Imagery, DEM, Topography

City of Lemon Grove DMP

100-Year Inundation - System 4

J-18473 A

Legend

City of Lemon Grove

Junctions

- Cleanout / Manhole
- Connector / Channel Confluence
- Headwall
- Inlet
- Outlet
- Flowline connection
- Discharge
- Other

Conduits

- Storm drain /Drainage Facility
- Channel
- Ditch; Earthen Ditch
- Flowline
- Unknown

Subcatchments

Subcatchment System

- 1
- 2
- 3
- 4
- 5

Inundation 100-Year

- 0.08 - 0.5 Ft
- 0.5 - 1.0 Ft
- > 1 Ft

125

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Scale in Feet
0 500 1,000 1,500
North

Date of Exhibit: 5/24/2019
Data Sources:
City of Lemon Grove: Storm Drain
SANGIS/SANDAG: Aerial Imagery, DEM, Topography

City of Lemon Grove DMP

100-Year Inundation - System 5

J-18473 A

Legend

City of Lemon Grove

Subcatchments

Junctions

- Cleanout / Manhole
- Connector / Channel Confluence
- Headwall
- Inlet
- Outlet
- Flowline connection
- Discharge
- Other

Conduits

- Storm drain /Drainage Facility
- Channel
- Ditch; Earthen Ditch
- Flowline
- Unknown

Subcatchment System

- 1
- 2
- 3
- 4
- 5

Inundation 2-Year

- 0.08 - 0.5 Ft
- 0.5 - 1.0 Ft
- > 1 Ft

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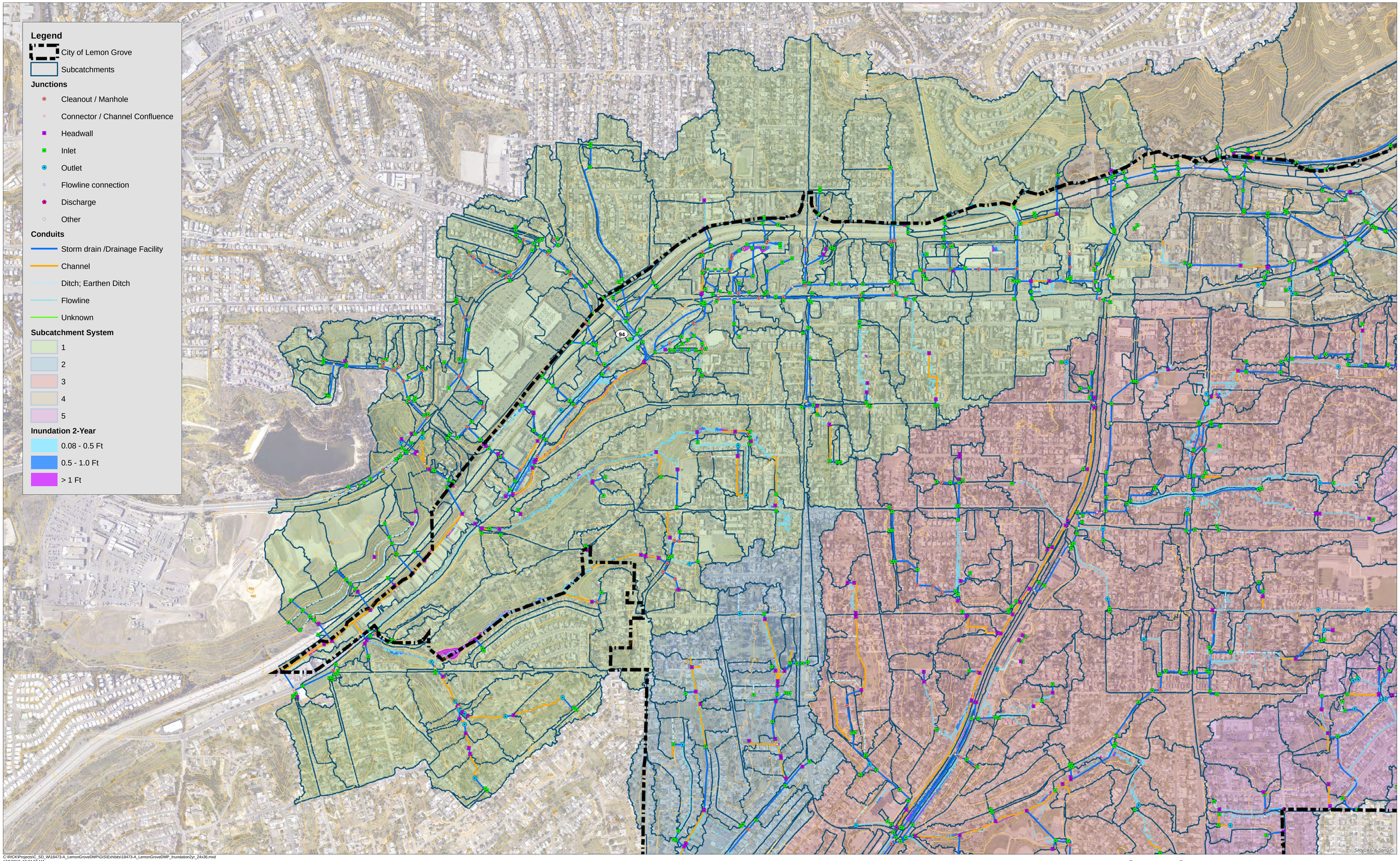
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North

Date of Exhibit: 12/5/2019
Data Sources:
City of Lemon Grove: Storm Drain
SANGIS/SANDAG: Aerial Imagery, DEM, Topography

City of Lemon Grove DMP

Proposed 2-Year Inundation - Overview Map

J-18473 A



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Scale in Feet
0 500 1,000 1,500
North

Date of Exhibit: 12/5/2019
Data Sources:
City of Lemon Grove: Storm Drain
SANGIS/SANDAG: Aerial Imagery, DEM, Topography

City of Lemon Grove DMP

Proposed 2-Year Inundation - System 1

J-18473 A

Legend

City of Lemon Grove

Subcatchments

Junctions

- Cleanout / Manhole
- Connector / Channel Confluence
- Headwall
- Inlet
- Outlet
- Flowline connection
- Discharge
- Other

Conduits

- Storm drain /Drainage Facility
- Channel
- Ditch; Earthen Ditch
- Flowline
- Unknown

Subcatchment System

- 1
- 2
- 3
- 4
- 5

Inundation 2-Year

- 0.08 - 0.5 Ft
- 0.5 - 1.0 Ft
- > 1 Ft

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Scale in Feet
0 500 1,000 1,500

North

Date of Exhibit: 12/5/2019
Data Sources:
City of Lemon Grove: Storm Drain
SANGIS/SANDAG: Aerial Imagery, DEM, Topography

City of Lemon Grove DMP

Proposed 2-Year Inundation - System 2

J-18473 A

Legend

City of Lemon Grove

Subcatchments

Junctions

- Cleanout / Manhole
- Connector / Channel Confluence
- Headwall
- Inlet
- Outlet
- Flowline connection
- Discharge
- Other

Conduits

- Storm drain /Drainage Facility
- Channel
- Ditch; Earthen Ditch
- Flowline
- Unknown

Subcatchment System

- 1
- 2
- 3
- 4
- 5

Inundation 2-Year

- 0.08 - 0.5 Ft
- 0.5 - 1.0 Ft
- > 1 Ft

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Scale in Feet
0 350 700 1,050
North

Date of Exhibit: 12/5/2019
Data Sources:
City of Lemon Grove: Storm Drain
SANGIS/SANDAG: Aerial Imagery, DEM, Topography

City of Lemon Grove DMP

Proposed 2-Year Inundation - System 3

J-18473 A

Legend

City of Lemon Grove

Subcatchments

Junctions

- Cleanout / Manhole
- Connector / Channel Confluence
- Headwall
- Inlet
- Outlet
- Flowline connection
- Discharge
- Other

Conduits

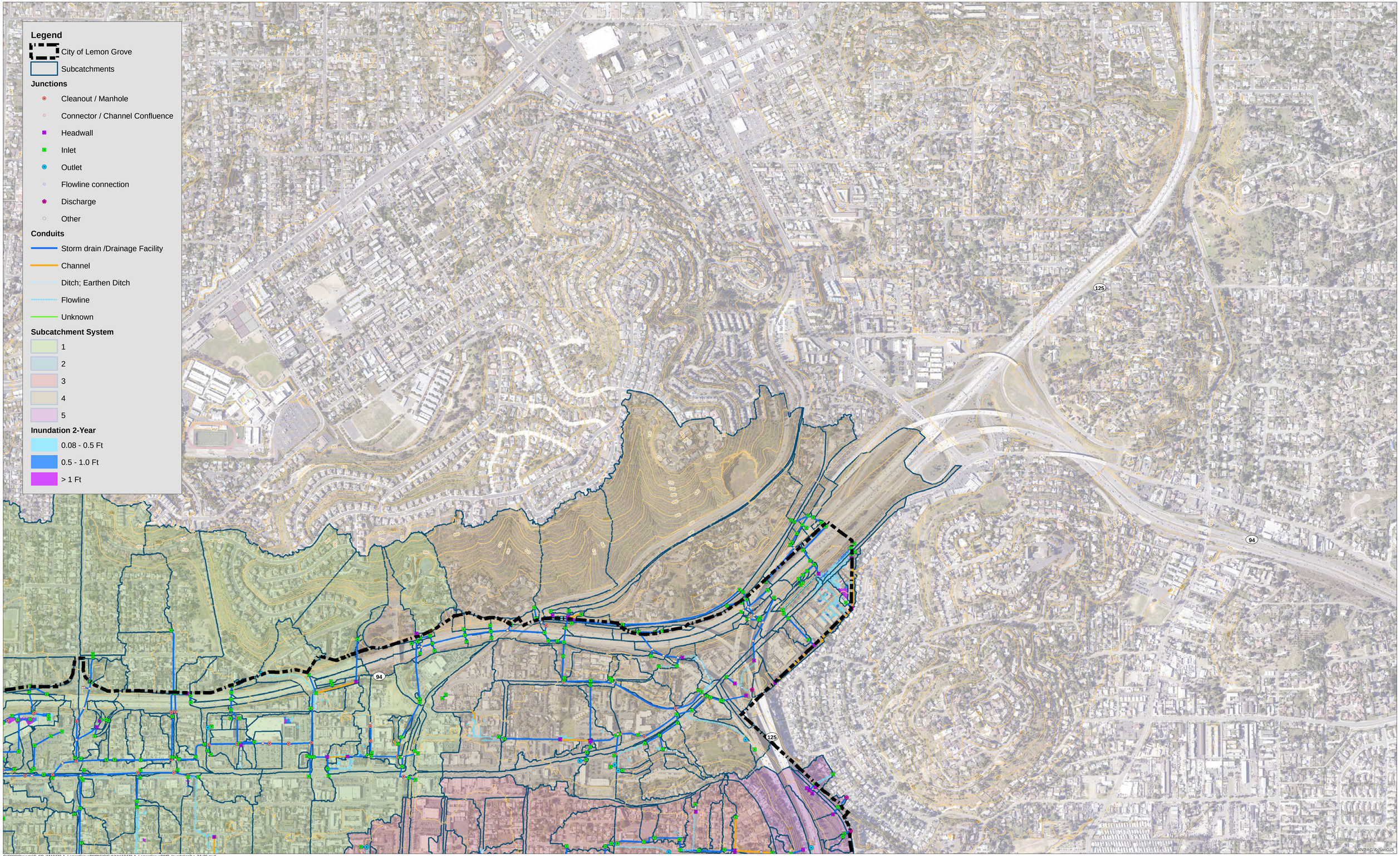
- Storm drain /Drainage Facility
- Channel
- Ditch; Earthen Ditch
- Flowline
- Unknown

Subcatchment System

- 1
- 2
- 3
- 4
- 5

Inundation 2-Year

- 0.08 - 0.5 Ft
- 0.5 - 1.0 Ft
- > 1 Ft



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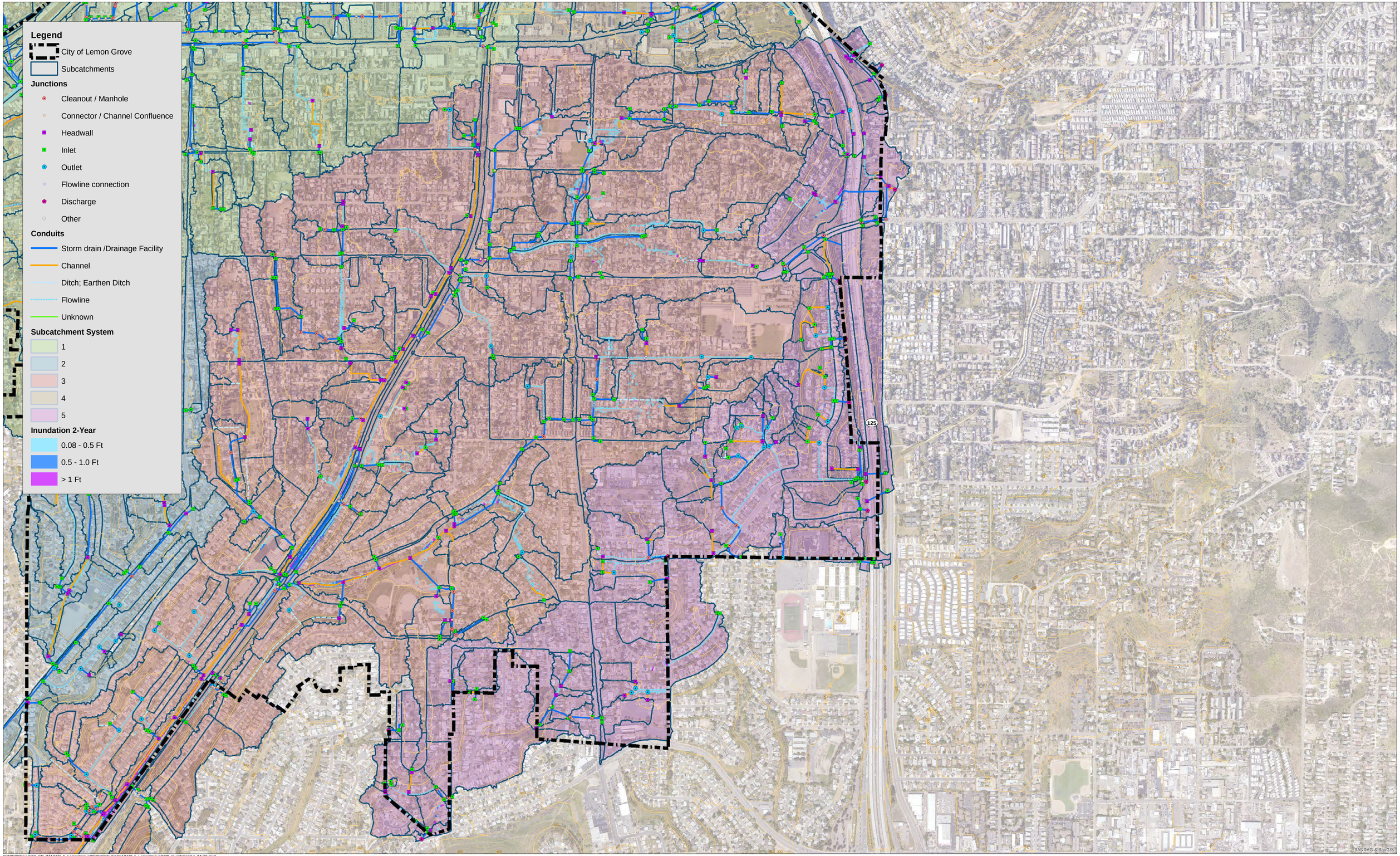
Scale in Feet
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Date of Exhibit: 12/5/2019
Data Sources:
City of Lemon Grove: Storm Drain
SANGIS/SANDAG: Aerial Imagery, DEM, Topography

City of Lemon Grove DMP

Proposed 2-Year Inundation - System 4

J-18473 A



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Scale in Feet
0 500 1,000 1,500
North

Date of Exhibit: 12/5/2019
Data Sources:
City of Lemon Grove: Storm Drain
SANGIS/SANDAG: Aerial Imagery, DEM, Topography

City of Lemon Grove DMP

Proposed 2-Year Inundation - System 5

J-18473 A

Legend

City of Lemon Grove

Subcatchments

Junctions

- Cleanout / Manhole
- Connector / Channel Confluence
- Headwall
- Inlet
- Outlet
- Flowline connection
- Discharge
- Other

Conduits

- Storm drain /Drainage Facility
- Channel
- Ditch; Earthen Ditch
- Flowline
- Unknown

Subcatchment System

- 1
- 2
- 3
- 4
- 5

Inundation 10-Year

- 0.08 - 0.5 Ft
- 0.5 - 1.0 Ft
- > 1 Ft

94

125

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Scale in Feet
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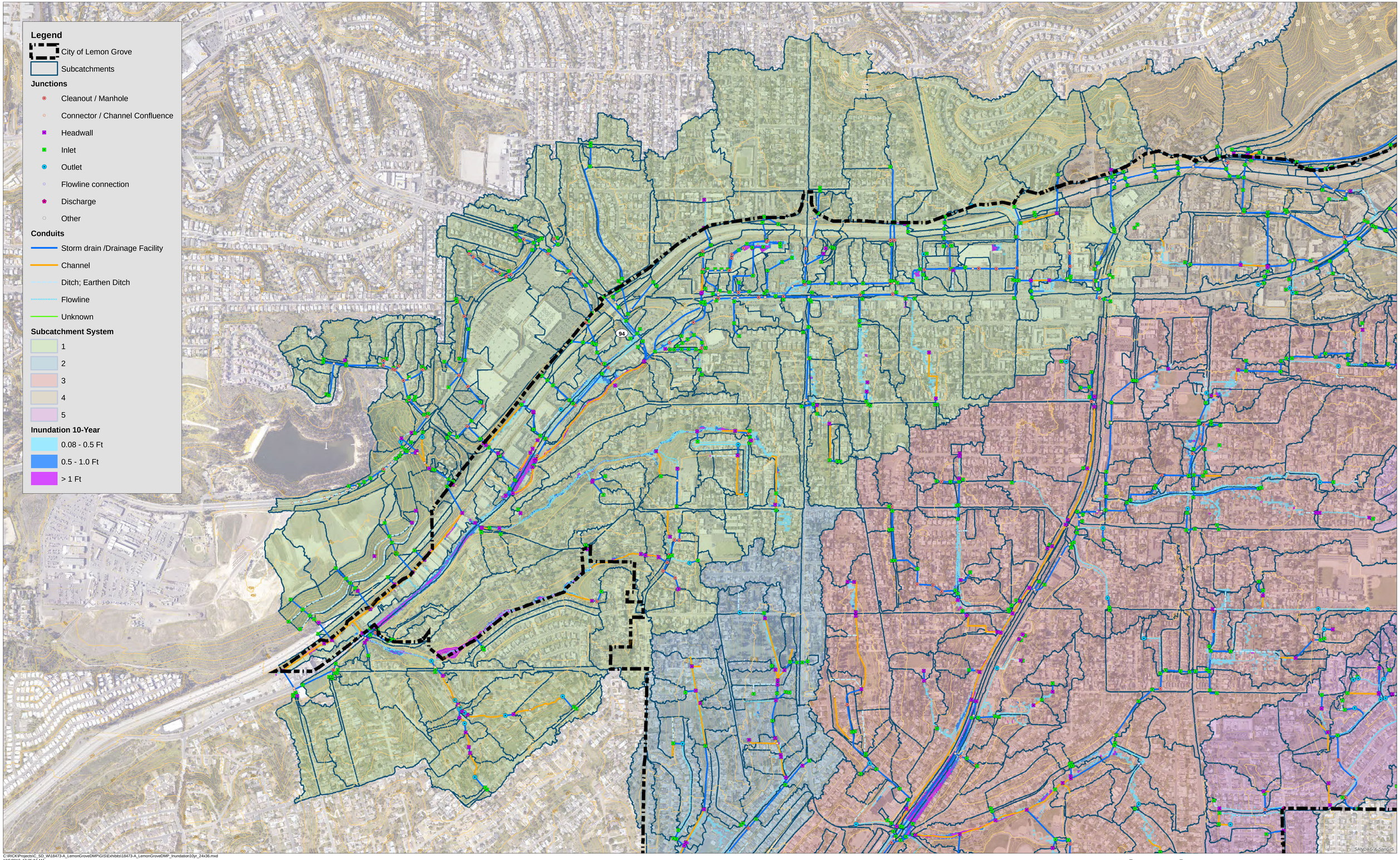
North

Date of Exhibit: 12/5/2019
Data Sources:
City of Lemon Grove: Storm Drain
SANGIS/SANDAG: Aerial Imagery, DEM, Topography

City of Lemon Grove DMP

Proposed 10-Year Inundation - Overview Map

J-18473 A



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Scale in Feet
0 500 1,000 1,500
North

Date of Exhibit: 12/5/2019
Data Sources:
City of Lemon Grove: Storm Drain
SANGIS/SANDAG: Aerial Imagery, DEM, Topography

City of Lemon Grove DMP

Proposed 10-Year Inundation - System 1

J-18473 A

Legend

City of Lemon Grove

Subcatchments

Junctions

- Cleanout / Manhole
- Connector / Channel Confluence
- Headwall
- Inlet
- Outlet
- Flowline connection
- Discharge
- Other

Conduits

- Storm drain /Drainage Facility
- Channel
- Ditch; Earthen Ditch
- Flowline
- Unknown

Subcatchment System

- 1
- 2
- 3
- 4
- 5

Inundation 10-Year

- 0.08 - 0.5 Ft
- 0.5 - 1.0 Ft
- > 1 Ft

125

SANDAG & SanGIS

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Scale in Feet
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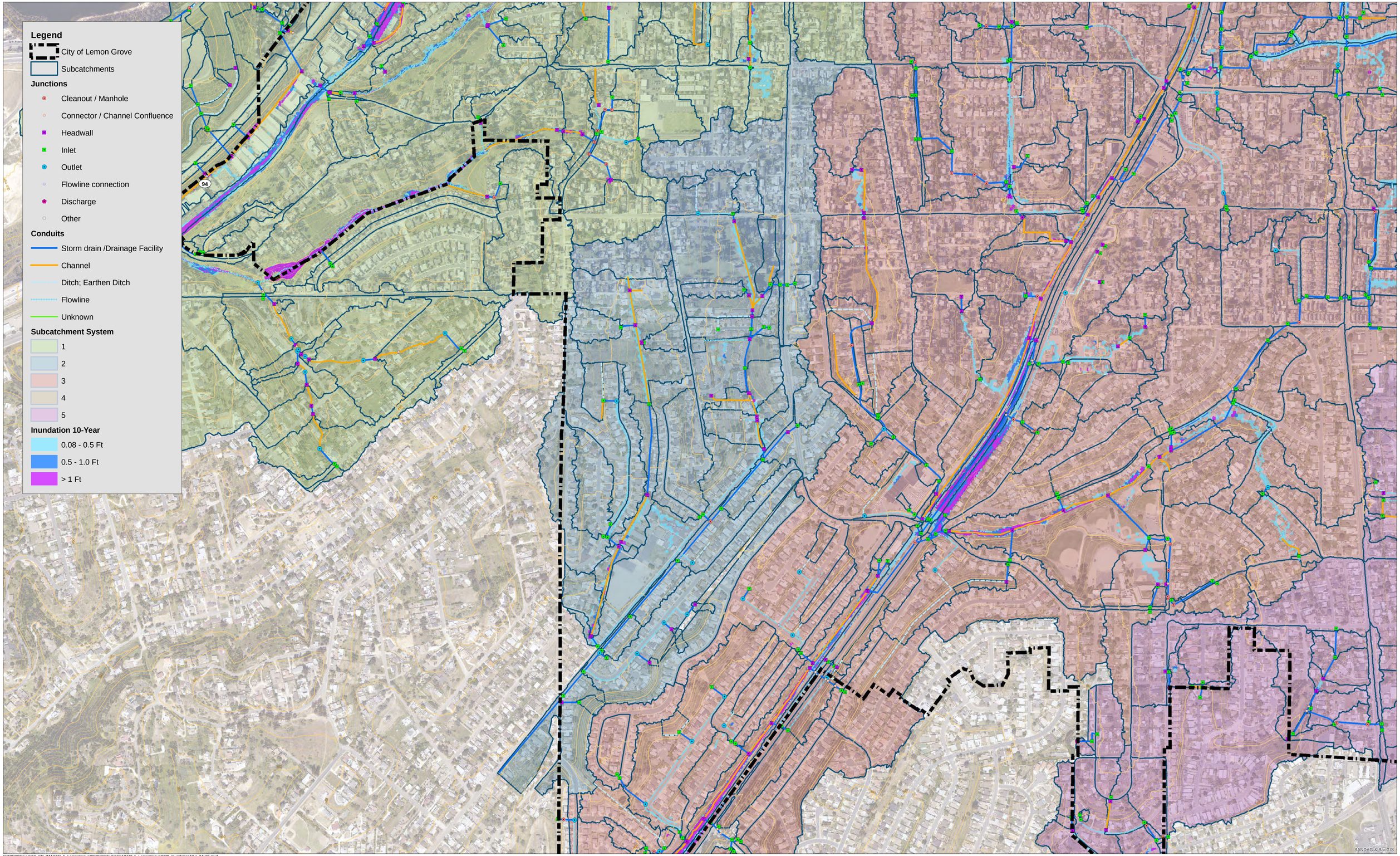
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Date of Exhibit: 12/5/2019
Data Sources:
City of Lemon Grove: Storm Drain
SANGIS/SANDAG: Aerial Imagery, DEM, Topography

City of Lemon Grove DMP

Proposed 10-Year Inundation - System 2

J-18473 A



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Scale in Feet
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North

Date of Exhibit: 12/5/2019
Data Sources:
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SANGIS/SANDAG: Aerial Imagery, DEM, Topography

City of Lemon Grove DMP

Proposed 10-Year Inundation - System 3

J-18473 A

Legend

City of Lemon Grove

Subcatchments

Junctions

- Cleanout / Manhole
- Connector / Channel Confluence
- Headwall
- Inlet
- Outlet
- Flowline connection
- Discharge
- Other

Conduits

- Storm drain /Drainage Facility
- Channel
- Ditch; Earthen Ditch
- Flowline
- Unknown

Subcatchment System

- 1
- 2
- 3
- 4
- 5

Inundation 10-Year

- 0.08 - 0.5 Ft
- 0.5 - 1.0 Ft
- > 1 Ft

94

125

SANDAG & SanGIS

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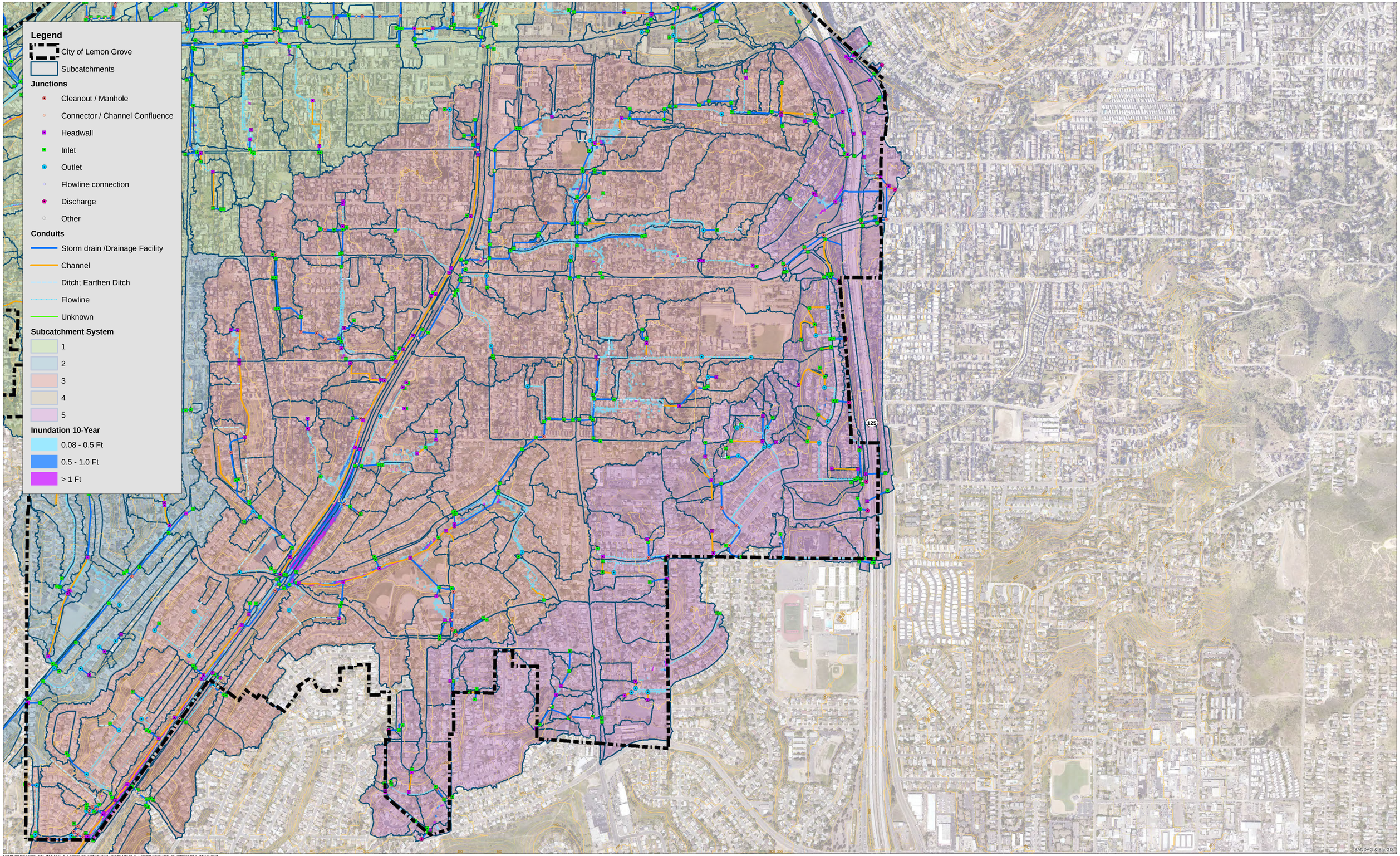
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Date of Exhibit: 12/5/2019
Data Sources:
City of Lemon Grove: Storm Drain
SANGIS/SANDAG: Aerial Imagery, DEM, Topography

City of Lemon Grove DMP

Proposed 10-Year Inundation - System 4

J-18473 A



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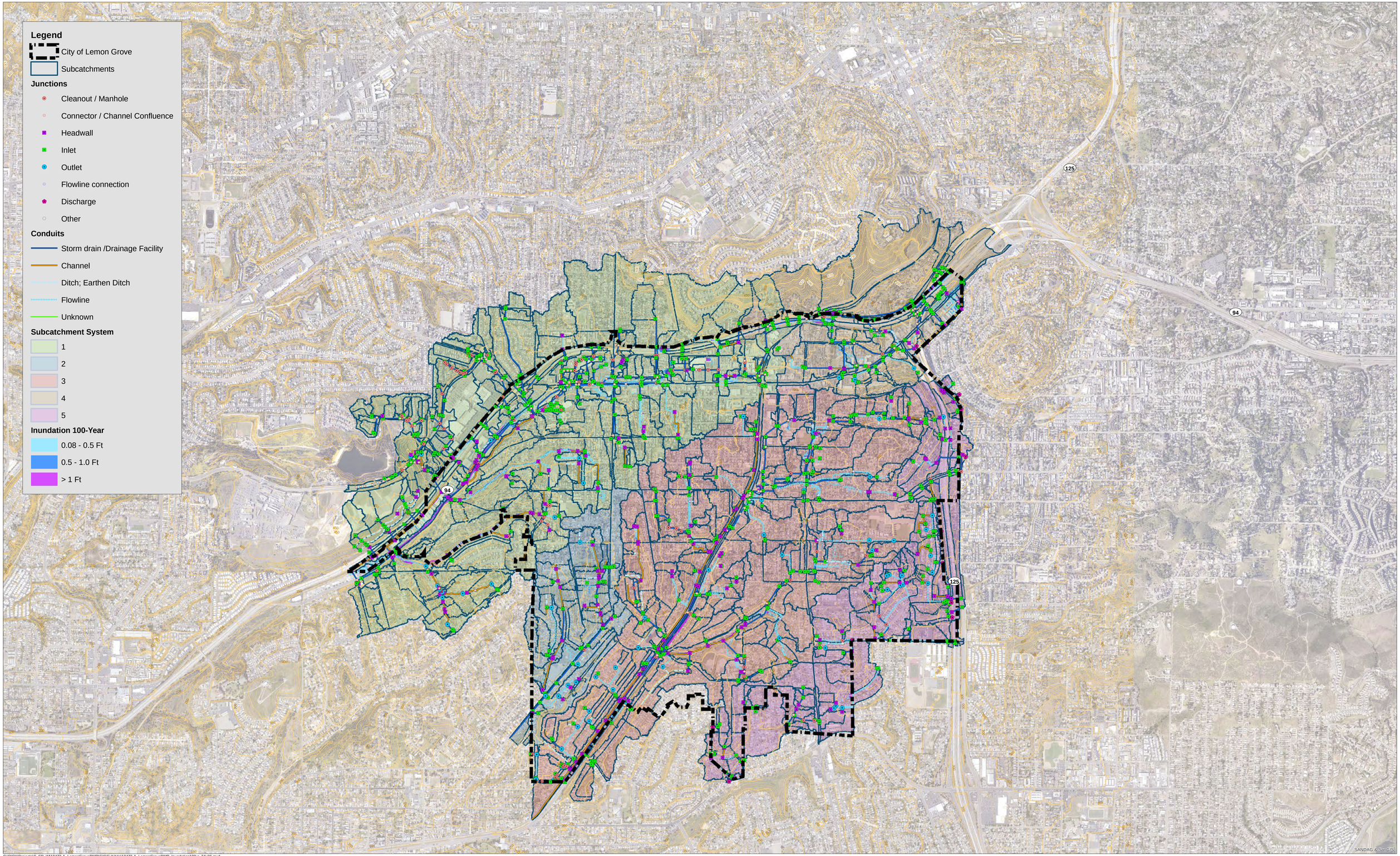
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North

Date of Exhibit: 12/5/2019
Data Sources:
City of Lemon Grove: Storm Drain
SANGIS/SANDAG: Aerial Imagery, DEM, Topography

City of Lemon Grove DMP

Proposed 10-Year Inundation - System 5

J-18473 A



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Scale in Feet
0 1,000 2,000 3,000
North

Date of Exhibit: 12/5/2019
Data Sources:
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SANGIS/SANDAG: Aerial Imagery, DEM, Topography

City of Lemon Grove DMP

Proposed 100-Year Inundation - Overview Map

J-18473 A

Legend

City of Lemon Grove

Subcatchments

Junctions

- Cleanout / Manhole
- Connector / Channel Confluence
- Headwall
- Inlet
- Outlet
- Flowline connection
- Discharge
- Other

Conduits

- Storm drain /Drainage Facility
- Channel
- Ditch; Earthen Ditch
- Flowline
- Unknown

Subcatchment System

- 1
- 2
- 3
- 4
- 5

Inundation 100-Year

- 0.08 - 0.5 Ft
- 0.5 - 1.0 Ft
- > 1 Ft

94

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Scale in Feet
0 500 1,000 1,500

North

Date of Exhibit: 12/5/2019
Data Sources:
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SANGIS/SANDAG: Aerial Imagery, DEM, Topography

City of Lemon Grove DMP

Proposed 100-Year Inundation - System 1

J-18473 A

Legend

City of Lemon Grove

Subcatchments

Junctions

- Cleanout / Manhole
- Connector / Channel Confluence
- Headwall
- Inlet
- Outlet
- Flowline connection
- Discharge
- Other

Conduits

- Storm drain /Drainage Facility
- Channel
- Ditch; Earthen Ditch
- Flowline
- Unknown

Subcatchment System

- 1
- 2
- 3
- 4
- 5

Inundation 100-Year

- 0.08 - 0.5 Ft
- 0.5 - 1.0 Ft
- > 1 Ft

125

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Scale in Feet
0 500 1,000 1,500
North

Date of Exhibit: 12/5/2019
Data Sources:
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SANGIS/SANDAG: Aerial Imagery, DEM, Topography

City of Lemon Grove DMP

Proposed 100-Year Inundation - System 2

J-18473 A

Legend

City of Lemon Grove

Subcatchments

Junctions

- Cleanout / Manhole
- Connector / Channel Confluence
- Headwall
- Inlet
- Outlet
- Flowline connection
- Discharge
- Other

Conduits

- Storm drain /Drainage Facility
- Channel
- Ditch; Earthen Ditch
- Flowline
- Unknown

Subcatchment System

- 1
- 2
- 3
- 4
- 5

Inundation 100-Year

- 0.08 - 0.5 Ft
- 0.5 - 1.0 Ft
- > 1 Ft

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Scale in Feet
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North

Date of Exhibit: 12/5/2019
Data Sources:
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SANGIS/SANDAG: Aerial Imagery, DEM, Topography

City of Lemon Grove DMP

Proposed 100-Year Inundation - System 3

J-18473 A

Legend

City of Lemon Grove

Subcatchments

Junctions

- Cleanout / Manhole
- Connector / Channel Confluence
- Headwall
- Inlet
- Outlet
- Flowline connection
- Discharge
- Other

Conduits

- Storm drain /Drainage Facility
- Channel
- Ditch; Earthen Ditch
- Flowline
- Unknown

Subcatchment System

- 1
- 2
- 3
- 4
- 5

Inundation 100-Year

- 0.08 - 0.5 Ft
- 0.5 - 1.0 Ft
- > 1 Ft

94

125

SANDAG & SanGIS

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Scale in Feet
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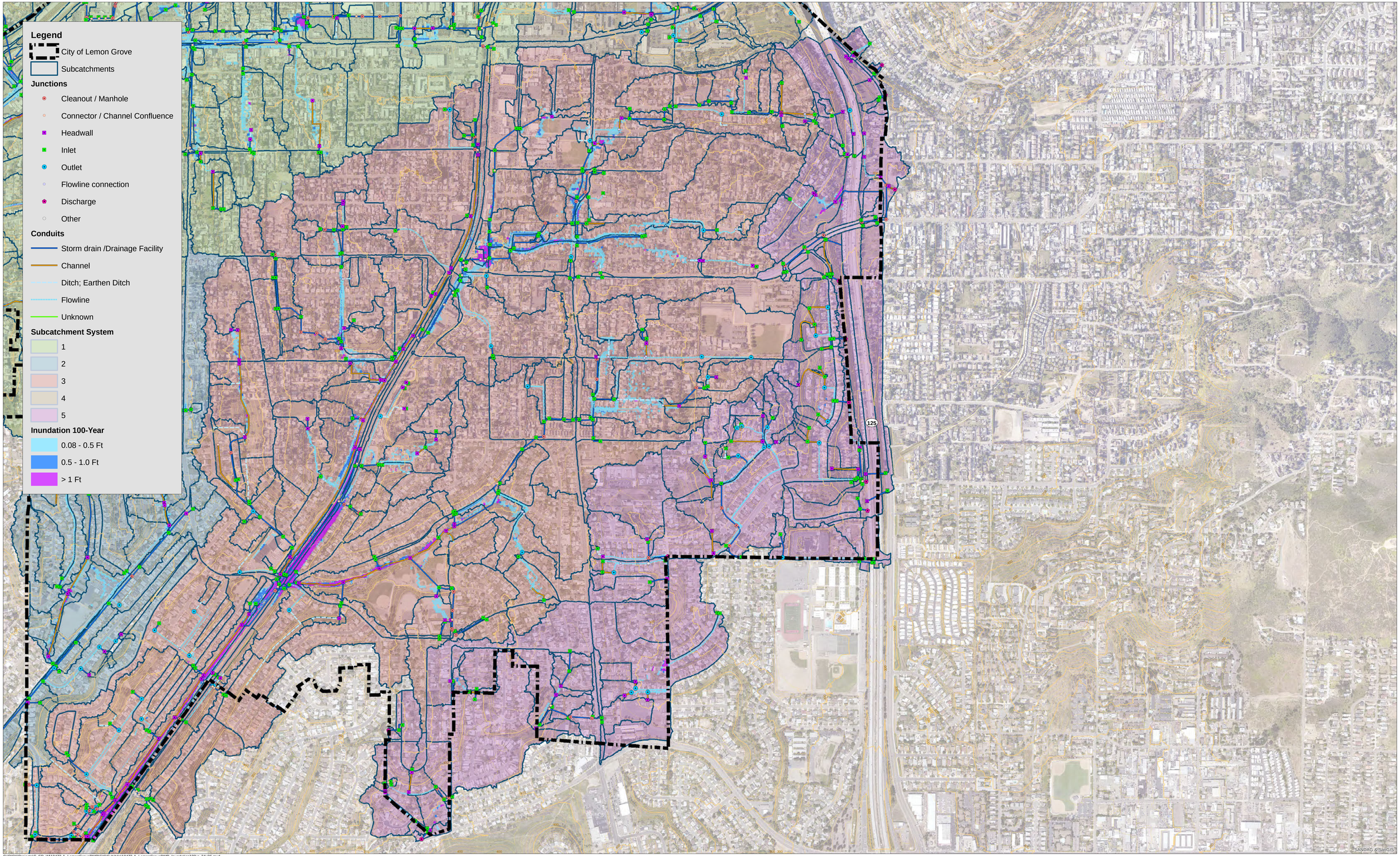
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Date of Exhibit: 12/5/2019
Data Sources:
City of Lemon Grove: Storm Drain
SANGIS/SANDAG: Aerial Imagery, DEM, Topography

City of Lemon Grove DMP

Proposed 100-Year Inundation - System 4

J-18473 A



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Scale in Feet
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North

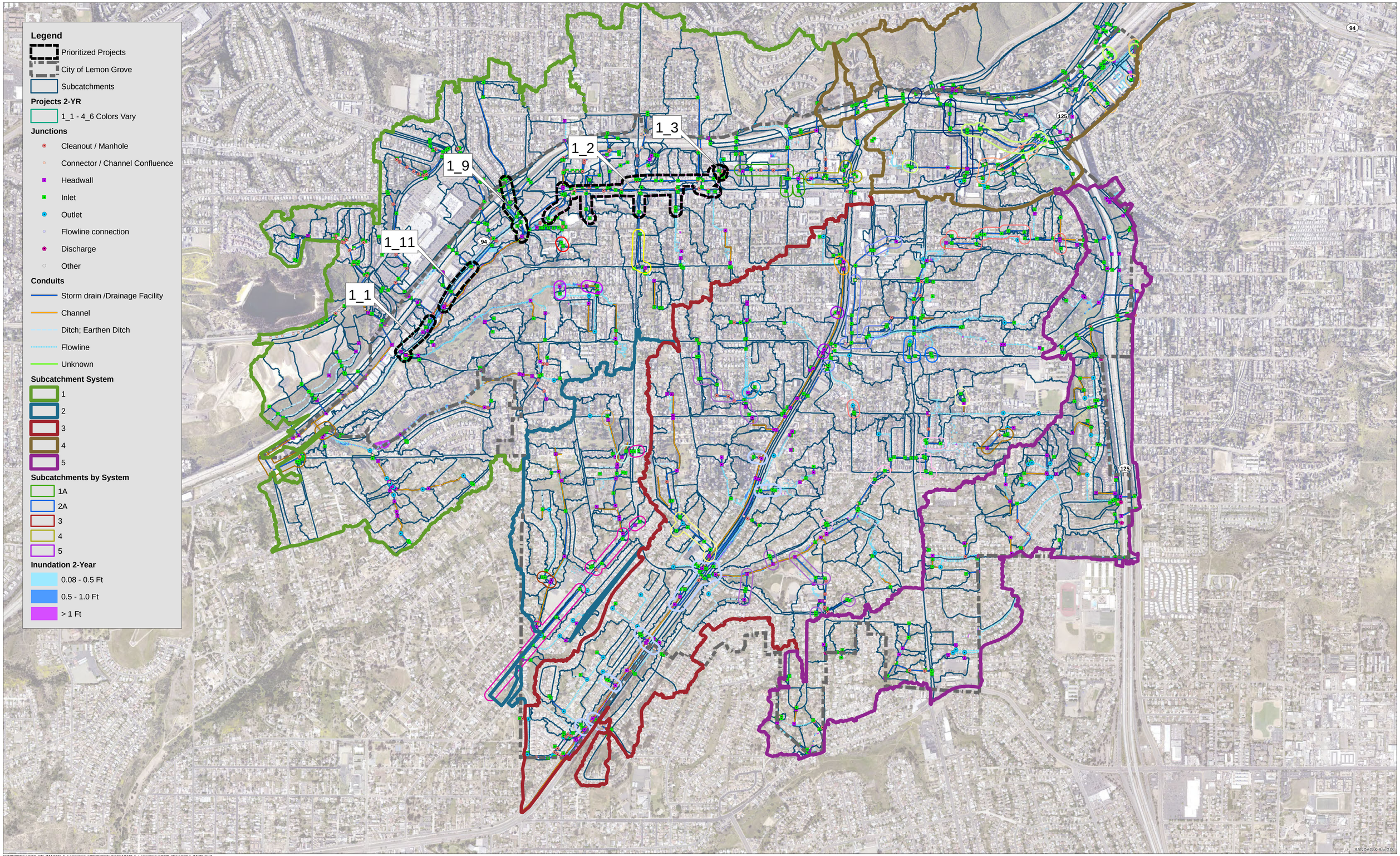
Date of Exhibit: 12/5/2019
Data Sources:
City of Lemon Grove: Storm Drain
SANGIS/SANDAG: Aerial Imagery, DEM, Topography

City of Lemon Grove DMP

Proposed 100-Year Inundation - System 5

J-18473 A

E. Proposed Conditions



Legend

- Prioritized Projects
- City of Lemon Grove
- Subcatchments

Projects 2-YR

- 1_1 - 4_6 Colors Vary

Junctions

- Cleanout / Manhole
- Connector / Channel Confluence
- Headwall
- Inlet
- Outlet
- Flowline connection
- Discharge
- Other

Conduits

- Storm drain /Drainage Facility
- Channel
- Ditch; Earthen Ditch
- Flowline
- Unknown

Subcatchment System

- 1
- 2
- 3
- 4
- 5

Subcatchments by System

- 1A
- 2A
- 3
- 4
- 5

Inundation 2-Year

- 0.08 - 0.5 Ft
- 0.5 - 1.0 Ft
- > 1 Ft

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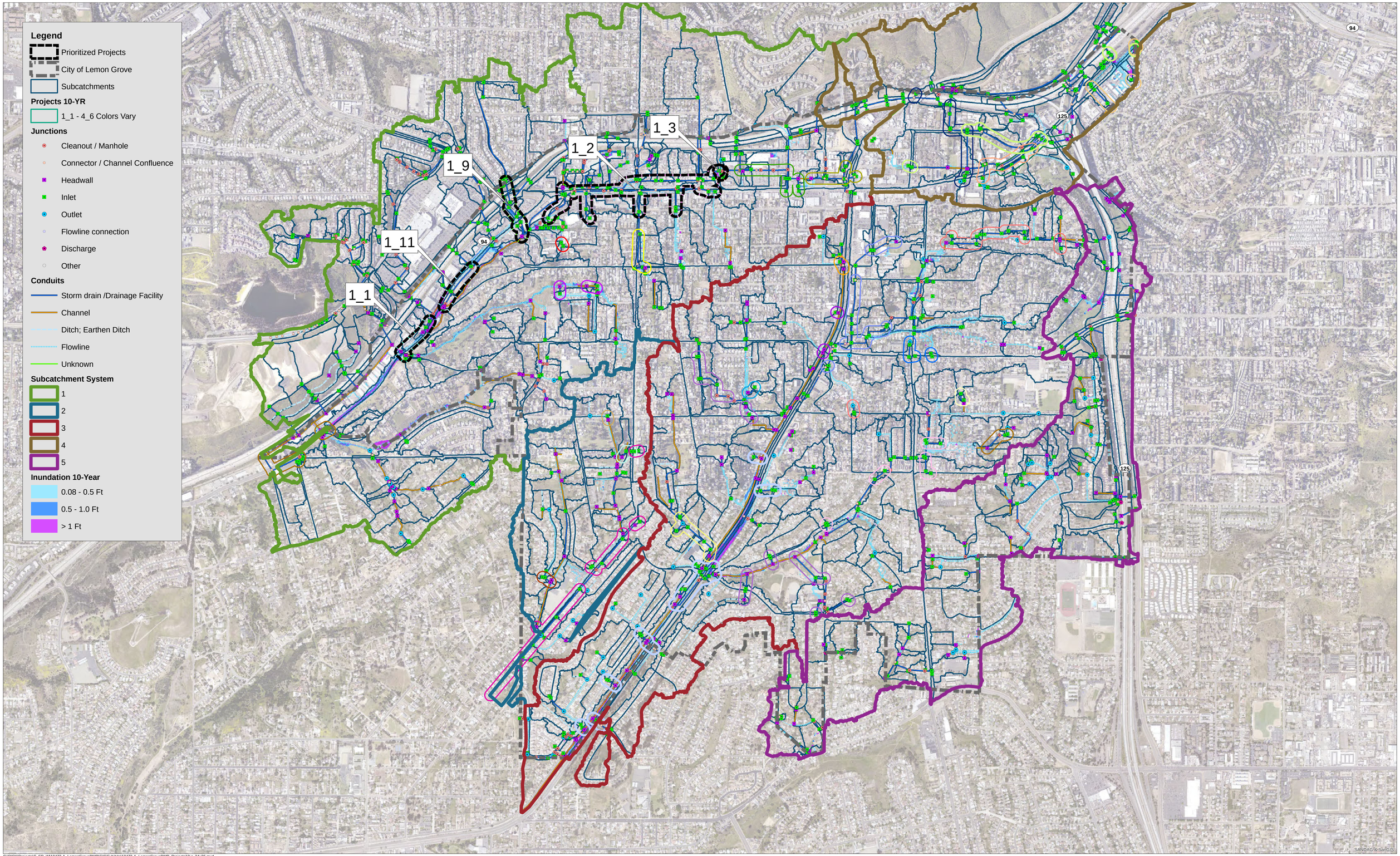
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North

Date of Exhibit: 12/12/2019
Data Sources:
City of Lemon Grove: Storm Drain
SANGIS/SANDAG: Aerial Imagery, DEM, Topography

City of Lemon Grove DMP

Recommended Projects - 2-YR

J-18473 A



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Scale in Feet
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North

Date of Exhibit: 12/12/2019
Data Sources:
City of Lemon Grove: Storm Drain
SANGIS/SANDAG: Aerial Imagery, DEM, Topography

City of Lemon Grove DMP

Recommended Projects - 10-YR

J-18473 A

Legend

- Prioritized Projects
- City of Lemon Grove
- Subcatchments

Projects 100-YR

- 1_1 - 4_6 Colors Vary

Junctions

- Cleanout / Manhole
- Connector / Channel Confluence
- Headwall
- Inlet
- Outlet
- Flowline connection
- Discharge
- Other

Conduits

- Storm drain /Drainage Facility
- Channel
- Ditch; Earthen Ditch
- Flowline
- Unknown

Subcatchment System

- 1
- 2
- 3
- 4
- 5

Inundation 100-Year

- 0.08 - 0.5 Ft
- 0.5 - 1.0 Ft
- > 1 Ft

1_1
1_11
1_9
1_2
1_3
94
125
SANDAG & SanGIS

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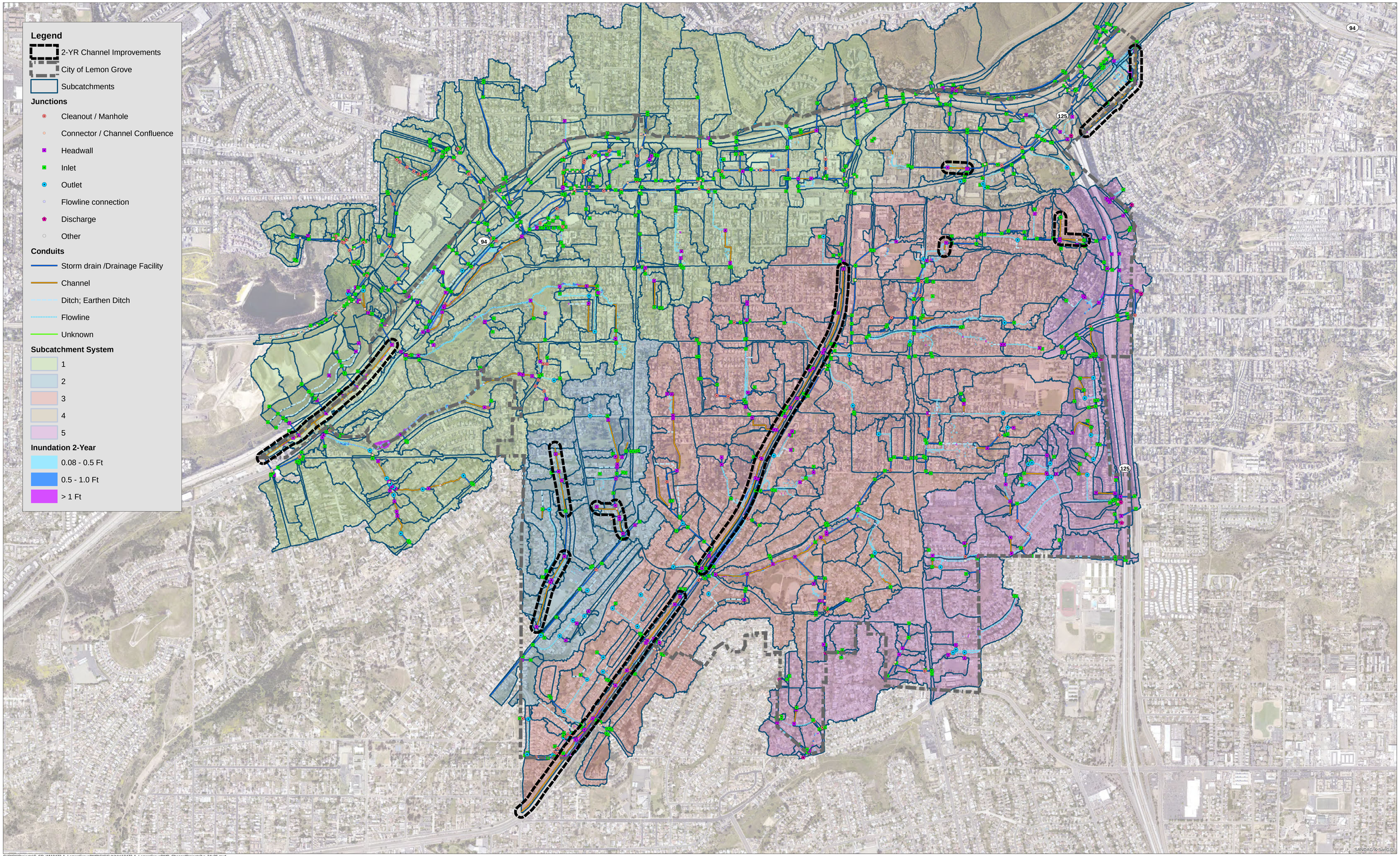
Scale in Feet
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North

Date of Exhibit: 2/12/2020
Data Sources:
City of Lemon Grove: Storm Drain
SANGIS/SANDAG: Aerial Imagery, DEM, Topography

City of Lemon Grove DMP

Recommended Projects - 100-YR

J-18473 A



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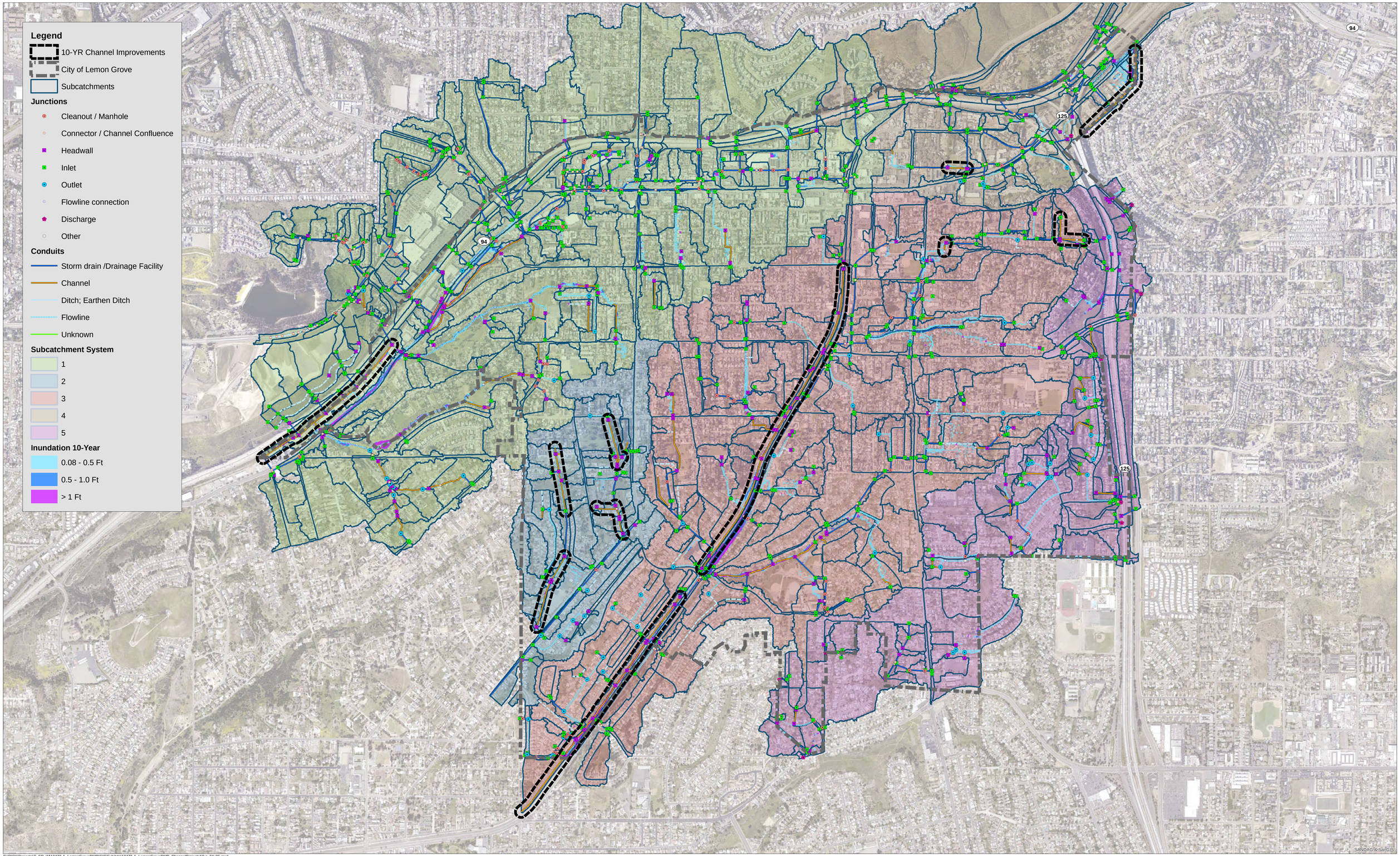
Scale in Feet
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North

Date of Exhibit: 12/12/2019
Data Sources:
City of Lemon Grove: Storm Drain
SANGIS/SANDAG: Aerial Imagery, DEM, Topography

City of Lemon Grove DMP

Recommended Channel Improvements - 2-YR

J-18473 A



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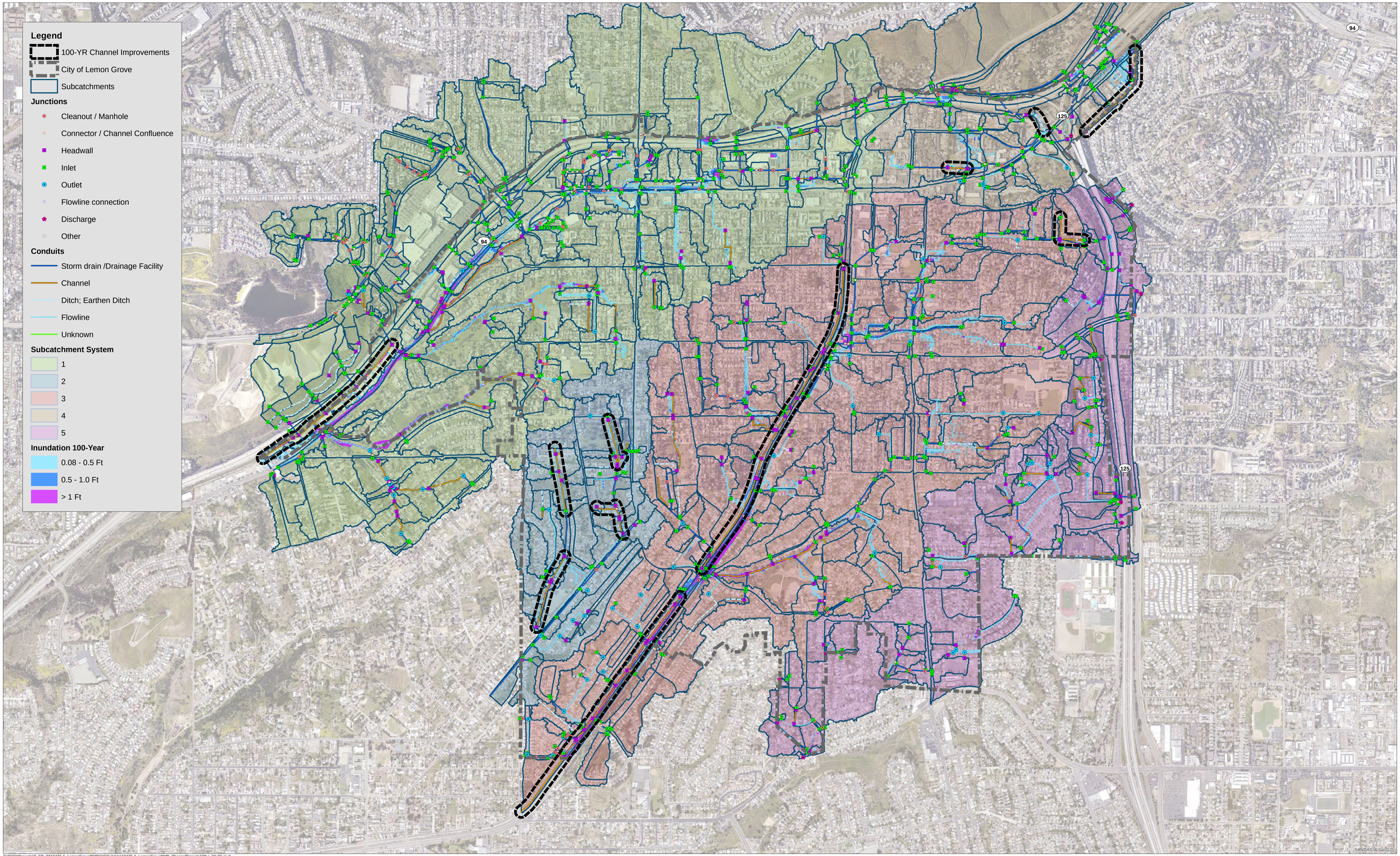
Scale in Feet
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North

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Data Sources:
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City of Lemon Grove DMP

Recommended Channel Improvements - 10-YR

J-18473 A



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Scale in Feet
0 700 1,400 2,100
North

Date of Exhibit: 12/12/2019
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City of Lemon Grove DMP

Recommended Channel Improvements - 100-YR

J-18473 A

F. Summary Tables

Existing Condition Storm Conveyance Results Summary Table

Conveyance Info	Dimensions						2-year		10-year		100-year	
Facility ID	D' or H' (diameter) or (height)	B' (width)	Barrels	Shape	Slope (ft/ft)	Material	Q_{con} (2-year) (cfs)	Qcon vs Qcap	Q_{con} (10-year) (cfs)	Qcon vs Qcap3	Q_{con} (100-year) (cfs)	Qcon vs Qcap7
1	30	20	1	RECT_OPEN	0.00662	Other	0	0	0	0	1.89	0
187	2	0	1	CIRCULAR	0.13435	RCP	8.04	0.1	13.83	0.17	63.6	0.77
C155_1	0	0	1	IRREGULAR	0.09333	Earthen	4.81	0	8.3	0	13.79	0
C232	4	0	1	CIRCULAR	0.08121	RCP	0	0	6.02	0.01	33.24	0.08
C3277	1	3	1	PARABOLIC	0.27746	Other	1.78	0.02	2.96	0.03	4.95	0.05
C3284	3	8	1	RECT_OPEN	0.28107	Other	6.67	0.01	11.25	0.02	19.35	0.04
C3287	3.5	0	3	CIRCULAR	0.03785	Other	175.6	0.3	223.11	0.38	385.47	0.66
C3309	30	30	1	RECT_OPEN	0.00484	Other	10.27	0	30.98	0	89	0
C3309_3	4	8	1	RECT_CLOSED	0.01601	RCB	175.71	0.31	223.18	0.4	385.43	0.69
C3309_4	4	8	1	RECT_CLOSED	0.05066	RCB	175.73	0.18	223.19	0.22	385.44	0.39
C3310	30	30	1	RECT_OPEN	0.3131	Other	43.12	0	54.1	0	61.48	0
C3311	30	30	1	RECT_OPEN	0.76122	Other	2.01	0	3.34	0	5.54	0
C3330	30	30	1	RECT_OPEN	0.00041	Other	144.81	0.02	153.64	0.02	157.32	0.02
C3375	30	30	1	RECT_OPEN	0.0104	Other	63.78	0	127.38	0	236.18	0.01
C389	1.5	0	1	CIRCULAR	0.01571	RCP	1.48	0.11	3.27	0.25	4.78	0.36
C433	1.5	0	1	CIRCULAR	0.04786	HDPE	5.21	0.17	8.28	0.28	12.97	0.43
C447	30	30	1	RECT_OPEN	0.04555	Other	0	0	0	0	0	0
C85	2	20	1	TRAPEZOIDAL	0.01244	Other	25.02	0.13	41.06	0.21	75.1	0.38
ST-MAI-1	3	7	1	CIRCULAR	0.00681	RCB	58.4	1.06	69.04	1.25	119.98	2.18
ST-MAI-100	2	0	1	CIRCULAR	0.0273	CMP	14.44	0.71	21.46	1.06	26.23	1.3
ST-MAI-101	2	0	1	CIRCULAR	0.0271	RCP	17.18	0.46	31.07	0.83	39.25	1.05
ST-MAI-1019	3	0	1	CIRCULAR	0.00832	RCP	54.73	0.9	64.54	1.06	64.68	1.06
ST-MAI-102	1.5	0	1	CIRCULAR	0.08918	RCP	9.73	0.31	18.76	0.6	31.02	0.99
ST-MAI-1027	1	0	1	CIRCULAR	0.1136	Other	0	0	0	0	0	0
ST-MAI-1028	1	0	1	CIRCULAR	0.10304	Other	5.04	0.34	7.96	0.54	12.42	0.84
ST-MAI-1029	1	0	1	CIRCULAR	0.6801	Other	2.81	0.07	4.46	0.12	7.01	0.18
ST-MAI-103	2	0	1	CIRCULAR	0.07777	CMP	8.39	0.25	14.6	0.43	25.05	0.73
ST-MAI-1030	2	0	1	CIRCULAR	0.06302	Concrete	0.71	0.02	1.26	0.03	2.09	0.05
ST-MAI-1031	1	3	1	PARABOLIC	0.01685	Other	0.69	0.03	1.24	0.05	2.05	0.08
ST-MAI-1032	2	0	1	CIRCULAR	0.01072	Concrete	11.25	0.7	19.88	1.24	33.47	2.09
ST-MAI-1033	2	0	1	CIRCULAR	0.00597	Concrete	15.39	1.29	27.04	2.26	45.31	3.79
ST-MAI-1034	1	3	1	PARABOLIC	0.13008	Other	15.92	0.23	27.85	0.39	46.81	0.66
ST-MAI-1035	2	0	1	CIRCULAR	0.0109	Other	15.86	0.67	26.9	1.14	46.82	1.98
ST-MAI-1036_1	2	0	1	CIRCULAR	0.00912	Concrete	0.67	0.02	1.21	0.04	2.02	0.07
ST-MAI-1036_2	1	3	1	PARABOLIC	0.03543	Other	0.67	0.02	1.2	0.03	2	0.05
ST-MAI-104	2	0	1	CIRCULAR	0.00314	CMP	2.51	0.37	3.92	0.57	6.08	0.89
ST-MAI-1043	2	0	1	CIRCULAR	0.03297	CONC	0	0	0	0	1.71	0.04
ST-MAI-1044	2	0	1	CIRCULAR	0.05453	CONC	0	0	0	0	4.12	0.08
ST-MAI-105	2	0	1	CIRCULAR	0.02442	CMP	12.46	0.65	19.77	1.03	20.12	1.05
ST-MAI-1051	2	0	1	CIRCULAR	0.01107	CONC	7.28	0.31	12.58	0.53	20.27	0.85
ST-MAI-1052	2	0	1	CIRCULAR	0.00682	CONC	2.66	0.14	4.4	0.24	7.01	0.37
ST-MAI-1053	2	0	1	CIRCULAR	0.00684	CONC	2.95	0.16	4.82	0.26	7.18	0.38
ST-MAI-1054	2	0	1	CIRCULAR	0.00871	CONC	2.58	0.12	4.28	0.2	6.83	0.32
ST-MAI-1055	2	0	1	CIRCULAR	0.00682	CONC	5.47	0.29	8.96	0.48	13.75	0.74
ST-MAI-1056	2	0	1	CIRCULAR	0.01281	CONC	7.69	0.3	13.21	0.52	20.4	0.8
ST-MAI-1057	1	0	1	CIRCULAR	0.00788	CONC	0.93	0.29	1.47	0.47	3.76	1.19
ST-MAI-1058	2.5	0	1	CIRCULAR	0.00683	CONC	14.19	0.42	23.4	0.69	30.3	0.89
ST-MAI-1059	1.5	0	1	CIRCULAR	0.08322	CONC	1.09	0.04	1.69	0.06	2.6	0.09
ST-MAI-106	3	0	1	CIRCULAR	0.01994	CMP	54.26	1.06	57.32	1.12	57.64	1.13
ST-MAI-1060	1.5	0	1	CIRCULAR	0.00648	CONC	1.61	0.19	2.58	0.3	7.48	0.89
ST-MAI-1061	2.5	0	1	CIRCULAR	0.00759	CONC	18.71	0.52	25.35	0.71	30.42	0.85
ST-MAI-1062	2	0	1	CIRCULAR	0.07643	CONC	1.72	0.03	2.68	0.04	4	0.06
ST-MAI-1063	2	0	1	CIRCULAR	0.00619	CONC	1.21	0.07	3.13	0.18	7.73	0.43
ST-MAI-1064	1.5	0	1	CIRCULAR	0.09982	CONC	28.83	0.87	37.78	1.14	31.83	0.96
ST-MAI-1065	3.5	0	1	CIRCULAR	0.00565	CONC	22.14	0.29	28.97	0.38	34.01	0.45
ST-MAI-1066	3.5	0	1	CIRCULAR	0.00683	CONC	47.39	0.57	56.25	0.68	58.97	0.71

Existing Condition Storm Conveyance Results Summary Table

Conveyance Info	Dimensions						2-year		10-year		100-year	
Facility ID	D' or H' (diameter) or (height)	B' (width)	Barrels	Shape	Slope (ft/ft)	Material	Q_{con} (2-year) (cfs)	Qcon vs Qcap	Q_{con} (10-year) (cfs)	Qcon vs Qcap3	Q_{con} (100-year) (cfs)	Qcon vs Qcap7
ST-MAI-1067	2	0	1	CIRCULAR	0.0778	CONC	13.08	0.21	24.47	0.39	44.6	0.71
ST-MAI-1068	2	0	1	CIRCULAR	0.3288	CONC	13.1	0.1	25.56	0.2	48.51	0.37
ST-MAI-1069	2	0	1	CIRCULAR	0.03638	CONC	13.1	0.3	25.56	0.59	48.66	1.13
ST-MAI-107	3	0	1	CIRCULAR	0.01441	RCP	15.23	0.19	26.51	0.33	45.07	0.56
ST-MAI-1070	4	0	1	CIRCULAR	0.00683	CONC	55.24	0.47	80.96	0.68	100.84	0.85
ST-MAI-1071	4	0	1	CIRCULAR	0.00778	CONC	49.66	0.39	78.67	0.62	133.38	1.05
ST-MAI-1072	2.5	0	1	CIRCULAR	0.03688	CONC	35.92	0.46	50.59	0.64	49.68	0.63
ST-MAI-1073	1.5	0	1	CIRCULAR	0.49848	CONC	0	0	0	0	0	0
ST-MAI-1074	2	0	1	CIRCULAR	0.1602	RCP	12.51	0.14	21.86	0.24	36.55	0.4
ST-MAI-1075	2	0	1	CIRCULAR	0.11358	RCP	13.72	0.18	24.11	0.32	39.73	0.52
ST-MAI-1076	2	0	1	CIRCULAR	0.0126	RCP	22.51	0.89	22.81	0.9	23.54	0.93
ST-MAI-1077	2	0	1	CIRCULAR	0.00215	RCP	22.5	2.15	22.79	2.17	23.52	2.24
ST-MAI-1079	2	0	1	CIRCULAR	0.23773	CONC	1.63	0.01	2.79	0.03	4.71	0.04
ST-MAI-1080	2	0	1	CIRCULAR	0.26307	CONC	0.91	0.01	1.52	0.01	2.48	0.02
ST-MAI-1081	0	0	1	IRREGULAR	0.49541	Other	0	0	0	0	0	0
ST-MAI-1082	2	0	1	CIRCULAR	0.28416	CONC	1.07	0.01	1.83	0.02	3.06	0.03
ST-MAI-1084	1.5	0	1	CIRCULAR	0.01915	RCP	1.31	0.09	2.33	0.16	3.97	0.27
ST-MAI-1085	1.5	0	1	CIRCULAR	0.08175	RCP	2.56	0.09	4.48	0.15	7.53	0.25
ST-MAI-1086	1.5	0	1	CIRCULAR	0.0997	RCP	2.55	0.08	4.46	0.13	7.5	0.23
ST-MAI-1087	1.5	0	1	CIRCULAR	0.03039	RCP	2.51	0.14	4.4	0.24	7.4	0.4
ST-MAI-1088	1.5	0	1	CIRCULAR	0.01047	RCP	3.21	0.3	5.53	0.51	8.52	0.79
ST-MAI-1089	1.5	0	1	CIRCULAR	0.01185	RCP	3.46	0.3	5.91	0.52	9.86	0.86
ST-MAI-109	2.75	0	1	CIRCULAR	0.02737	RCP	32.74	0.37	47.05	0.54	59.07	0.68
ST-MAI-1090	1.5	0	1	CIRCULAR	0.02159	RCP	6.4	0.41	11.01	0.71	13.65	0.88
ST-MAI-1091	1.5	0	1	CIRCULAR	0.12254	RCP	1.26	0.03	2.11	0.06	3.38	0.09
ST-MAI-1092	1.5	0	1	CIRCULAR	0.00459	RCP	5.43	0.76	8.78	1.23	14.3	2.01
ST-MAI-1093	1.5	0	1	CIRCULAR	0.05928	RCP	12.79	0.5	20.74	0.81	25.14	0.98
ST-MAI-1094	1.5	0	1	CIRCULAR	0.00862	RCP	11.88	1.22	15.24	1.56	14.83	1.52
ST-MAI-1095	1.5	0	1	CIRCULAR	0.02045	RCP	12.92	0.86	15.99	1.06	15.38	1.02
ST-MAI-1096	1.5	0	1	CIRCULAR	0.0199	RCP	12.93	0.87	14.86	1	14.45	0.98
ST-MAI-1097	1.5	0	1	CIRCULAR	0.00852	RCP	0.56	0.06	3.48	0.36	2.89	0.3
ST-MAI-1098	1.5	0	1	CIRCULAR	0.08713	RCP	1.12	0.04	2.99	0.1	2.93	0.09
ST-MAI-1099	1.5	0	1	CIRCULAR	0.01599	RCP	2.3	0.17	4.16	0.31	4.13	0.31
ST-MAI-110	2.5	0	1	CIRCULAR	0.02105	RCP	82.27	1.38	82.53	1.39	82.55	1.39
ST-MAI-1100	1.5	0	1	CIRCULAR	0.01148	RCP	4.64	0.41	9.07	0.81	12.92	1.15
ST-MAI-1101	1.5	0	1	CIRCULAR	0.08919	RCP	18.4	0.59	22.31	0.71	22.21	0.71
ST-MAI-1102	1.5	0	1	CIRCULAR	0.02806	RCP	20.08	1.14	25.42	1.44	29.27	1.66
ST-MAI-1103	2	0	1	CIRCULAR	0.28995	RCP	20.99	0.17	27.07	0.22	41.83	0.34
ST-MAI-1104	1	3	1	PARABOLIC	0.14718	Concrete	1.65	0.03	2.26	0.04	3.84	0.07
ST-MAI-1105	2.5	0	1	CIRCULAR	0.0249	CONC	25.63	0.4	37.15	0.57	48.71	0.75
ST-MAI-1106	1.5	0	1	CIRCULAR	0.00374	CONC	1.61	0.25	2.69	0.42	4.45	0.69
ST-MAI-1107	1.5	0	1	CIRCULAR	0.25101	CONC	1.93	0.04	3.15	0.06	5.06	0.1
ST-MAI-1108	2	0	1	CIRCULAR	0.07585	CONC	12.79	0.21	25.03	0.4	47.86	0.77
ST-MAI-1110	2	0	1	CIRCULAR	0.01	RCP	1.94	0.09	3.25	0.14	5.22	0.23
ST-MAI-1111	2	0	1	CIRCULAR	0.00913	RCP	4.1	0.19	6.62	0.31	10.53	0.49
ST-MAI-1112	2	0	1	CIRCULAR	0.08003	RCP	2.26	0.04	3.56	0.06	5.56	0.09
ST-MAI-1113	2	0	1	CIRCULAR	0.06722	RCP	2.27	0.04	3.57	0.06	5.58	0.1
ST-MAI-1114	2	0	1	CIRCULAR	0.50682	RCP	0.27	0	0.42	0	0.65	0
ST-MAI-1115	2	0	1	CIRCULAR	0.06722	RCP	2.02	0.03	3.18	0.05	4.96	0.08
ST-MAI-1116	2	0	1	CIRCULAR	0.06722	RCP	0.78	0.01	1.22	0.02	1.89	0.03
ST-MAI-1117	2	0	1	CIRCULAR	0.04271	RCP	0.53	0.01	0.85	0.02	1.36	0.03
ST-MAI-1118	2	0	1	CIRCULAR	0.05805	RCP	0.69	0.01	1.1	0.02	1.73	0.03
ST-MAI-112	2	0	1	CIRCULAR	0.01895	CMP	4.88	0.29	11.69	0.69	16.75	0.99
ST-MAI-1120	4	0	1	CIRCULAR	0.0126	CONC	52.35	0.32	51.52	0.32	46.2	0.29
ST-MAI-1121	2	0	1	CIRCULAR	0.05673	CONC	0.26	0	0.41	0.01	0.63	0.01
ST-MAI-1122	2	0	1	CIRCULAR	0.0063	CONC	2.73	0.15	4.44	0.25	7.09	0.39

Existing Condition Storm Conveyance Results Summary Table

Conveyance Info	Dimensions						2-year		10-year		100-year	
Facility ID	D' or H' (diameter) or (height)	B' (width)	Barrels	Shape	Slope (ft/ft)	Material	Q_{con} (2-year) (cfs)	Qcon vs Qcap	Q_{con} (10-year) (cfs)	Qcon vs Qcap3	Q_{con} (100-year) (cfs)	Qcon vs Qcap7
ST-MAI-1123	2	0	1	CIRCULAR	0.00813	CONC	0.32	0.02	0.5	0.02	0.8	0.04
ST-MAI-1124	2	0	1	CIRCULAR	0.28118	CONC	0.31	0	0.5	0	0.8	0.01
ST-MAI-1125	2	0	1	CIRCULAR	0.0076	CONC	1.77	0.09	5.7	0.29	12.05	0.61
ST-MAI-1126	2	0	1	CIRCULAR	0.03135	CONC	2.04	0.05	8.88	0.22	11.49	0.29
ST-MAI-1127	2	0	1	CIRCULAR	0.0303	CONC	2.6	0.07	7.94	0.2	9.16	0.23
ST-MAI-1128	2	0	1	CIRCULAR	0.00764	CONC	2.19	0.11	3.59	0.18	5.78	0.29
ST-MAI-1129a	2	0	1	CIRCULAR	0.00547	CONC	6.39	0.38	10.54	0.63	16.96	1.01
ST-MAI-1129b	2	0	1	CIRCULAR	0.04885	CONC	6.35	0.13	10.47	0.21	16.89	0.34
ST-MAI-113	1.5	0	1	CIRCULAR	0.0155	RCP	11.79	0.9	12.9	0.99	14.59	1.12
ST-MAI-1130	3	0	1	CIRCULAR	0.05904	CONC	48.17	0.3	84.6	0.52	127.91	0.79
ST-MAI-1131	2	0	1	CIRCULAR	0.34511	CONC	10.53	0.08	17.56	0.13	29.54	0.22
ST-MAI-1132	2	0	1	CIRCULAR	0.00922	CONC	9.97	0.46	16.64	0.77	28.02	1.29
ST-MAI-1133	2	0	1	CIRCULAR	0.00574	CONC	8.3	0.48	14.05	0.82	23.57	1.37
ST-MAI-1134	1.5	0	1	CIRCULAR	0.11272	CONC	0.32	0.01	0.51	0.01	0.81	0.02
ST-MAI-1135	1.5	0	1	CIRCULAR	0.00499	CONC	1	0.14	1.66	0.22	2.72	0.37
ST-MAI-1136	1.5	0	1	CIRCULAR	0.00305	CONC	16.63	2.87	16.61	2.86	16.58	2.86
ST-MAI-114	3.5	0	1	CIRCULAR	0.00596	RCP	75.27	0.97	83.99	1.08	91.58	1.18
ST-MAI-1142	0	0	1	IRREGULAR	0.26594	Other	0.04	0	0.06	0	0.1	0
ST-MAI-1143	1	3	1	PARABOLIC	0.17654	Other	0.1	0	0.19	0	0.33	0.01
ST-MAI-1144	1	3	1	PARABOLIC	0.03167	Other	1.05	0.04	1.67	0.06	2.48	0.09
ST-MAI-1145	2	0	1	CIRCULAR	0.01884	CONC	0.4	0.01	0.63	0.02	1	0.03
ST-MAI-1146	2	0	1	CIRCULAR	0.03439	CONC	1.49	0.04	2.36	0.06	3.69	0.09
ST-MAI-1147	2	0	1	CIRCULAR	0.01155	CONC	1.97	0.08	3.12	0.13	4.91	0.2
ST-MAI-1148	2	0	1	CIRCULAR	0.00646	CONC	0.28	0.02	0.43	0.02	0.76	0.04
ST-MAI-1149	4	0	1	CIRCULAR	0.05241	CONC	43.12	0.13	54.1	0.16	61.48	0.19
ST-MAI-115	2	0	1	CIRCULAR	0.01477	CMP	12.12	0.81	11.54	0.78	13.07	0.88
ST-MAI-1150	2	0	1	CIRCULAR	0.06713	CONC	1.39	0.02	2.25	0.04	3.59	0.06
ST-MAI-1151	4	0	1	CIRCULAR	0.04016	CONC	43.13	0.15	54.1	0.19	61.47	0.21
ST-MAI-1152	2	0	1	CIRCULAR	0.27741	CONC	41.91	0.35	52.14	0.44	57.93	0.49
ST-MAI-1153	2	0	1	CIRCULAR	0.07911	CONC	1.14	0.02	1.75	0.03	2.69	0.04
ST-MAI-1154	2	0	1	CIRCULAR	0.02972	CONC	40.14	1.03	49.67	1.27	53.2	1.36
ST-MAI-1155	2	0	1	CIRCULAR	0.15393	CONC	0.48	0.01	0.75	0.01	1.15	0.01
ST-MAI-1156	2	0	1	CIRCULAR	0.08633	CONC	0.48	0.01	0.74	0.01	1.14	0.02
ST-MAI-1157	2	0	1	CIRCULAR	0.02973	CONC	40.18	1.03	49.67	1.27	53.2	1.36
ST-MAI-1158	2	0	1	CIRCULAR	0.01295	CONC	0.32	0.01	3.71	0.14	3.58	0.14
ST-MAI-1159	2	0	1	CIRCULAR	0.15413	CONC	3.41	0.04	5.79	0.07	9.61	0.11
ST-MAI-1160	2	0	1	CIRCULAR	0.03219	CONC	3.42	0.08	5.79	0.14	9.62	0.24
ST-MAI-1161	2	0	1	CIRCULAR	0.02973	CONC	36.22	0.93	45.48	1.17	46.62	1.2
ST-MAI-1162	2	0	1	CIRCULAR	0.02972	CONC	3.7	0.09	6.46	0.17	9.98	0.26
ST-MAI-1163	2.5	0	1	CIRCULAR	0.045	CONC	30.8	0.35	50.52	0.58	100.61	1.16
ST-MAI-1164	2.5	0	1	CIRCULAR	0.03859	CONC	1.66	0.02	2.8	0.03	4.63	0.06
ST-MAI-1167	2	0	1	CIRCULAR	0.00554	CONC	5.88	0.35	10.8	0.64	18.22	1.08
ST-MAI-1168	2	0	1	CIRCULAR	0.00355	CONC	5.88	0.44	10.8	0.8	18.21	1.35
ST-MAI-1169	1	0	1	CIRCULAR	0.00272	CONC	3.59	1.93	7.17	3.86	12.45	6.7
ST-MAI-117	1	0	1	CIRCULAR	0.02845	HDPE	1.35	0.22	2.3	0.38	3.76	0.63
ST-MAI-1170	2	0	1	CIRCULAR	0.00117	CONC	3.12	0.4	6.47	0.83	11.38	1.47
ST-MAI-1171	2	0	1	CIRCULAR	0.00117	CONC	2.7	0.35	5.84	0.75	10.42	1.34
ST-MAI-1172	2	0	1	CIRCULAR	0.0333	CONC	9.29	0.22	15.67	0.38	25.77	0.62
ST-MAI-1173	2	0	1	CIRCULAR	0.00117	CONC	7.05	0.91	10.58	1.37	16.47	2.13
ST-MAI-1174	2.5	0	1	CIRCULAR	0.00117	CONC	17.09	1.22	28.18	2.01	45.98	3.27
ST-MAI-1175	2.5	0	1	CIRCULAR	0.22562	CONC	8.79	0.05	15.65	0.08	26.46	0.14
ST-MAI-1176	2.5	0	1	CIRCULAR	0.00514	CONC	6	0.2	10.68	0.36	17.89	0.61
ST-MAI-1177	2.5	0	1	CIRCULAR	0.00118	CONC	18.18	1.29	29.94	2.13	48.81	3.47
ST-MAI-1178	2.5	0	1	CIRCULAR	0.00118	CONC	18.36	1.31	30.24	2.15	49.28	3.5
ST-MAI-1179	2.5	0	1	CIRCULAR	0.00117	CONC	18.77	1.34	30.37	2.16	48.23	3.44
ST-MAI-118	1	0	1	CIRCULAR	0.03128	CMP	3.94	1.15	5.21	1.53	5.22	1.53

Existing Condition Storm Conveyance Results Summary Table

Conveyance Info	Dimensions						2-year		10-year		100-year	
Facility ID	D' or H' (diameter) or (height)	B' (width)	Barrels	Shape	Slope (ft/ft)	Material	Q_{con} (2-year) (cfs)	Qcon vs Qcap	Q_{con} (10-year) (cfs)	Qcon vs Qcap3	Q_{con} (100-year) (cfs)	Qcon vs Qcap7
ST-MAI-1180	2.5	0	1	CIRCULAR	0.00118	CONC	8.25	0.59	10.27	0.73	14.58	1.04
ST-MAI-1181	2.5	0	1	CIRCULAR	0.00118	CONC	43.91	3.12	44.35	3.15	44.88	3.19
ST-MAI-1182	2	0	1	CIRCULAR	0.00117	CONC	44.51	5.75	45.29	5.85	46.12	5.96
ST-MAI-1184	2	0	1	CIRCULAR	0.01145	CONC	0.56	0.02	0.91	0.04	1.46	0.06
ST-MAI-1185	2	0	1	CIRCULAR	0.01325	CONC	0.66	0.03	1.08	0.04	1.72	0.07
ST-MAI-1186	2	0	1	CIRCULAR	0.16198	CONC	0.81	0.01	1.31	0.01	2.1	0.02
ST-MAI-1187	2	0	1	CIRCULAR	0.0143	CONC	0.48	0.02	0.77	0.03	1.23	0.05
ST-MAI-1188	2	0	1	CIRCULAR	0.00604	CONC	0.52	0.03	0.84	0.05	1.33	0.08
ST-MAI-119	1.5	0	1	CIRCULAR	0.27246	RCP	0.05	0	0.1	0	0.19	0
ST-MAI-1190	2.5	0	1	CIRCULAR	0.08137	RCP	2.48	0.02	4.64	0.04	4.88	0.04
ST-MAI-1191	2.5	0	1	CIRCULAR	0.14974	CONC	16.74	0.11	30.41	0.19	55	0.35
ST-MAI-1192	2	0	1	CIRCULAR	0.0177	RCP	13.52	0.45	23.67	0.79	42.32	1.41
ST-MAI-1196	0	0	1	IRREGULAR	0.11937	Concrete	3.18	0	5.22	0	8.47	0
ST-MAI-1197	4	0	1	CIRCULAR	0.03075	CONC	0	0	5.66	0.91	14.18	2.27
ST-MAI-1199	2	0	1	CIRCULAR	0.04315	RCP	11.01	0.23	19.41	0.41	33.04	0.7
ST-MAI-12	1.25	0	1	CIRCULAR	0.11215	ABS	19.46	0.9	21.19	0.98	20.28	0.94
ST-MAI-120	3.5	0	1	CIRCULAR	0.00902	RCP	53.35	0.56	85.72	0.9	85.83	0.9
ST-MAI-1200	0.5	6	1	TRIANGULAR	0.00689	CONC	0.29	0.05	0.72	0.13	1.63	0.29
ST-MAI-1202	4	0	1	CIRCULAR	0.01009	RCP	60.46	0.42	101.98	0.71	172.68	1.2
ST-MAI-1204	1	3	1	PARABOLIC	0.07516	Concrete	0.5	0.02	0.61	0.02	0.8	0.03
ST-MAI-1206	2	0	1	CIRCULAR	0.01528	RCP	12.94	0.46	22.72	0.81	38.53	1.38
ST-MAI-1207	2	0	1	CIRCULAR	0.36589	RCP	12.95	0.09	22.74	0.17	38.56	0.28
ST-MAI-1208	2	0	1	CIRCULAR	0.31957	RCP	12.95	0.1	22.73	0.18	38.56	0.3
ST-MAI-1209	2	0	1	CIRCULAR	0.00616	RCP	12.89	0.73	25.27	1.42	38.53	2.17
ST-MAI-121	2	0	1	CIRCULAR	0.00941	CONC	3.18	0.14	5.23	0.24	8.48	0.39
ST-MAI-1210	2	0	1	CIRCULAR	0.26871	RCP	12.89	0.11	24.49	0.21	38.53	0.33
ST-MAI-1211	2	0	1	CIRCULAR	0.00918	RCP	13.37	0.62	25.8	1.19	38.51	1.78
ST-MAI-1214	3	0	1	CIRCULAR	0.01035	CONC	24.74	0.36	41.75	0.62	69.2	1.02
ST-MAI-1215	3	0	1	CIRCULAR	0.03263	RCP	50.65	0.42	85.47	0.71	140.81	1.17
ST-MAI-1216	2.5	0	1	CIRCULAR	0.14147	RCP	50.7	0.33	85.5	0.55	144.55	0.94
ST-MAI-1217	2.5	0	1	CIRCULAR	0.04496	RCP	48.3	0.56	81.54	0.94	142.27	1.64
ST-MAI-1219	1.5	0	1	CIRCULAR	0.06107	RCP	0.62	0.02	0.98	0.04	6.49	0.25
ST-MAI-1220	1.5	0	1	CIRCULAR	0.02665	RCP	3.35	0.2	5.76	0.34	10.11	0.59
ST-MAI-1221	2	0	1	CIRCULAR	0.00693	RCP	1.58	0.08	2.66	0.14	4.35	0.23
ST-MAI-1222	1.5	0	1	CIRCULAR	0.00944	RCP	9.81	0.96	17.64	1.73	30.73	3.01
ST-MAI-1223	1.5	0	1	CIRCULAR	0.033	RCP	2.21	0.12	3.9	0.2	12.56	0.66
ST-MAI-1224	1.5	0	1	CIRCULAR	0.04284	RCP	3.1	0.14	5.45	0.25	12.11	0.56
ST-MAI-1225	1.5	0	1	CIRCULAR	0.06509	RCP	9.82	0.37	17.65	0.66	30.71	1.15
ST-MAI-1226	1.5	0	1	CIRCULAR	0.0756	RCP	0.62	0.02	0.98	0.03	3.41	0.12
ST-MAI-1227	1.5	0	1	CIRCULAR	0.01109	RCP	0.75	0.07	1.22	0.11	8.56	0.77
ST-MAI-1228	1.5	0	1	CIRCULAR	0.01744	RCP	5.06	0.36	8.73	0.63	18.95	1.37
ST-MAI-1229	1.5	0	1	CIRCULAR	0.0543	RCP	4.91	0.2	8.85	0.36	15.42	0.63
ST-MAI-1230	1.5	0	1	CIRCULAR	0.05521	RCP	1.63	0.07	2.6	0.11	5.85	0.24
ST-MAI-1231	2	0	1	CIRCULAR	0.05533	RCP	24.63	0.46	42.06	0.79	71.92	1.35
ST-MAI-1232	1.5	0	1	CIRCULAR	0.03164	RCP	2.23	0.12	3.92	0.21	9.44	0.51
ST-MAI-1233	2	0	1	CIRCULAR	0.07428	RCP	9.69	0.16	16.36	0.27	26.85	0.44
ST-MAI-1234	2.5	0	1	CIRCULAR	0.03291	RCP	46.6	0.63	78.76	1.06	137.23	1.84
ST-MAI-1235	1.5	0	1	CIRCULAR	0.06934	RCP	1.37	0.05	2.19	0.08	4.98	0.18
ST-MAI-1236	1.5	0	1	CIRCULAR	0.16109	RCP	1.4	0.03	2.38	0.06	4.42	0.1
ST-MAI-1237	1.5	0	1	CIRCULAR	0.08181	RCP	9.1	0.3	15.85	0.53	26.82	0.89
ST-MAI-1238	1.5	0	1	CIRCULAR	0.34974	RCP	12.29	0.2	21.76	0.35	37.44	0.6
ST-MAI-1239	1.5	0	1	CIRCULAR	0.05659	RCP	3.1	0.12	5.45	0.22	12.35	0.49
ST-MAI-1240	1.5	0	1	CIRCULAR	0.08591	RCP	2.24	0.07	3.93	0.13	8.55	0.28
ST-MAI-1241	1.5	0	1	CIRCULAR	0.03075	RCP	2.21	0.12	3.9	0.21	12.61	0.68
ST-MAI-1242	2.5	0	1	CIRCULAR	0.01501	RCP	37.03	0.74	63.15	1.26	109.16	2.17
ST-MAI-1243	2.5	0	1	CIRCULAR	0.02163	RCP	37.58	0.62	63.89	1.06	110.7	1.83

Existing Condition Storm Conveyance Results Summary Table

Conveyance Info	Dimensions						2-year		10-year		100-year	
Facility ID	D' or H' (diameter) or (height)	B' (width)	Barrels	Shape	Slope (ft/ft)	Material	Q_{con} (2-year) (cfs)	Qcon vs Qcap	Q_{con} (10-year) (cfs)	Qcon vs Qcap3	Q_{con} (100-year) (cfs)	Qcon vs Qcap7
ST-MAI-1244	1.5	0	1	CIRCULAR	0.0869	RCP	4.98	0.16	8.82	0.28	15.11	0.49
ST-MAI-1245	1.5	0	1	CIRCULAR	0.01913	RCP	4.93	0.34	8.82	0.61	15.44	1.06
ST-MAI-1246	1.5	0	1	CIRCULAR	0.0049	RCP	2.75	0.37	4.94	0.67	7.88	1.07
ST-MAI-1247	2	0	1	CIRCULAR	0.04397	RCP	12.98	0.27	22.1	0.47	41.13	0.87
ST-MAI-1248	1.5	0	1	CIRCULAR	0.07376	RCP	4.18	0.15	7.14	0.25	12.55	0.44
ST-MAI-1249	1.5	0	1	CIRCULAR	0.02315	RCP	2.22	0.14	3.91	0.24	11.22	0.7
ST-MAI-1250	1.5	0	1	CIRCULAR	0.03348	RCP	2.21	0.11	3.9	0.2	12.27	0.64
ST-MAI-1251	2	0	1	CIRCULAR	0.05196	RCP	24.63	0.48	41.83	0.81	71.82	1.39
ST-MAI-1252	2	0	1	CIRCULAR	0.05642	RCP	11.45	0.21	19.59	0.36	33.73	0.63
ST-MAI-1253	1.5	0	1	CIRCULAR	0.47787	RCP	1.18	0.02	1.88	0.03	4.71	0.06
ST-MAI-1254	0	0	1	IRREGULAR	0.06202	Earthen	24.54	0	33.7	0	55.87	0
ST-MAI-1255	0	0	1	IRREGULAR	0.02075	Earthen	28.59	0	41.53	0	62.96	0
ST-MAI-1256	0	0	1	IRREGULAR	0.01689	Earthen	28.31	0	41.22	0	62.95	0
ST-MAI-1257	0	0	1	IRREGULAR	0.15145	Earthen	0.27	0	0.43	0	0.7	0
ST-MAI-1258	0	0	1	IRREGULAR	0.17542	Earthen	4.25	0	7.89	0	13.63	0
ST-MAI-1259	0	0	1	IRREGULAR	0.28537	Earthen	3.39	0	6.31	0	10.84	0
ST-MAI-1260	0	0	1	IRREGULAR	0.17845	Earthen	20.21	0	22	0	42.62	0
ST-MAI-1261	2	0	1	CIRCULAR	0.127	RCP	1.28	0.02	2.04	0.03	3.25	0.04
ST-MAI-1262	2.5	0	1	CIRCULAR	0.02463	RCP	30.52	0.47	47.28	0.73	69.54	1.08
ST-MAI-1263	2.5	0	1	CIRCULAR	0.00989	RCP	30.57	0.75	50.24	1.23	69.78	1.71
ST-MAI-1264	2.5	0	1	CIRCULAR	0.03491	RCP	30.24	0.39	46.68	0.61	69.26	0.9
ST-MAI-1265	1.5	0	1	CIRCULAR	0.01894	RCP	1.97	0.14	3.55	0.25	6.21	0.43
ST-MAI-1266	1.5	3	1	PARABOLIC	0.03062	Concrete	0	0	0	0	0	0
ST-MAI-1267	1.5	0	1	CIRCULAR	0.01969	RCP	2.42	0.16	4.26	0.29	7.31	0.5
ST-MAI-1268	1.5	0	1	CIRCULAR	0.24242	RCP	4.25	0.08	7.89	0.15	13.63	0.26
ST-MAI-1269	1.5	0	1	CIRCULAR	0.02704	RCP	4.07	0.24	7.61	0.44	13.2	0.76
ST-MAI-1270	1.5	0	1	CIRCULAR	0.0339	RCP	0.78	0.04	1.21	0.06	1.87	0.1
ST-MAI-1271	1.5	0	1	CIRCULAR	0.15238	RCP	3.4	0.08	6.32	0.15	10.85	0.26
ST-MAI-1272	1.5	0	1	CIRCULAR	0.01441	RCP	0.6	0.05	0.92	0.07	1.41	0.11
ST-MAI-1273	1.5	0	1	CIRCULAR	0.01153	RCP	19.33	1.71	19.77	1.75	19.74	1.75
ST-MAI-1274	1.5	0	1	CIRCULAR	0.06287	RCP	0.3	0.01	0.47	0.02	0.76	0.03
ST-MAI-1275	1.5	3	1	PARABOLIC	0.01316	Concrete	0.57	0.03	0.89	0.04	1.39	0.07
ST-MAI-1276	1.5	0	1	CIRCULAR	0.02156	RCP	19.7	1.28	20.02	1.3	20.82	1.35
ST-MAI-1277	1.5	0	1	CIRCULAR	0.00485	RCP	2.39	0.33	4.22	0.58	7.24	0.99
ST-MAI-1278	1.5	0	1	CIRCULAR	0.02279	RCP	2.28	0.14	4.03	0.25	6.96	0.44
ST-MAI-1279	1.5	0	1	CIRCULAR	0.16671	RCP	4.11	0.1	7.67	0.18	13.3	0.31
ST-MAI-1280	1.5	0	1	CIRCULAR	0.02839	RCP	2.15	0.12	3.83	0.22	6.65	0.38
ST-MAI-1281	1.5	0	1	CIRCULAR	0.01689	RCP	20.21	1.48	22	1.61	42.62	3.12
ST-MAI-1282	1.5	3	1	PARABOLIC	0.01841	Concrete	1.06	0.04	2.16	0.09	3.94	0.16
ST-MAI-1283	2	0	1	IRREGULAR	-0.17256	Earthen	0	0	0	0	0	0
ST-MAI-1284	1.5	0	1	CIRCULAR	0.0145	RCP	15.25	1.21	16.99	1.34	16.84	1.33
ST-MAI-1285	2	0	1	CIRCULAR	0.00792	RCP	1.29	0.06	2.65	0.13	5.98	0.3
ST-MAI-1286	1.5	0	1	CIRCULAR	0.00825	RCP	7.65	0.8	11.51	1.21	13.78	1.44
ST-MAI-1287	1.5	0	1	CIRCULAR	0.0085	RCP	10.05	1.04	11.29	1.17	11.23	1.16
ST-MAI-1288	1.5	0	1	CIRCULAR	0.023	RCP	2.6	0.16	5.71	0.36	7.25	0.45
ST-MAI-1289	1.5	0	1	CIRCULAR	0.00889	RCP	4.36	0.44	9.32	0.94	12.76	1.29
ST-MAI-1290	1.5	0	1	CIRCULAR	0.04459	RCP	4.78	0.22	8.19	0.37	13.79	0.62
ST-MAI-1291	1.5	0	1	CIRCULAR	0.0321	RCP	1.73	0.09	2.98	0.16	4.91	0.26
ST-MAI-1292	1.5	0	1	CIRCULAR	0.03202	RCP	1.1	0.06	1.89	0.1	3.92	0.21
ST-MAI-1293	1.5	0	1	CIRCULAR	0.02974	RCP	2.8	0.15	4.81	0.27	8.1	0.45
ST-MAI-1294	1.5	0	1	CIRCULAR	0.13965	RCP	0.53	0.01	1.79	0.05	1.4	0.04
ST-MAI-1295	1.5	0	1	CIRCULAR	0.02338	RCP	0.62	0.04	1.09	0.07	1.7	0.11
ST-MAI-1296	1.5	0	1	CIRCULAR	0.06495	RCP	2.84	0.11	4.55	0.17	7.77	0.29
ST-MAI-1297	1.5	0	1	CIRCULAR	0.11492	RCP	0.7	0.02	1.52	0.04	2.97	0.08
ST-MAI-1298	1.5	0	1	CIRCULAR	0.05558	RCP	21.09	0.85	24.41	0.99	28.06	1.13
ST-MAI-1299	1.5	0	1	CIRCULAR	0.03617	RCP	3.29	0.16	6.17	0.31	9.71	0.49

Existing Condition Storm Conveyance Results Summary Table

Conveyance Info	Dimensions						2-year		10-year		100-year	
Facility ID	D' or H' (diameter) or (height)	B' (width)	Barrels	Shape	Slope (ft/ft)	Material	Q_{con} (2-year) (cfs)	Qcon vs Qcap	Q_{con} (10-year) (cfs)	Qcon vs Qcap3	Q_{con} (100-year) (cfs)	Qcon vs Qcap7
ST-MAI-13	6	0	1	CIRCULAR	0.00788	RCP	154.15	0.41	261.53	0.7	356.63	0.95
ST-MAI-130	1	0	1	CIRCULAR	0.12586	RCP	0.64	0.05	1.06	0.08	1.7	0.13
ST-MAI-1300	1.5	0	1	CIRCULAR	0.01289	RCP	13.02	1.09	14.92	1.25	14.92	1.25
ST-MAI-1301	1.5	0	1	CIRCULAR	0.01166	RCP	11.85	1.04	13.91	1.23	14.01	1.24
ST-MAI-1302	1.5	0	1	CIRCULAR	0.04832	RCP	1.11	0.05	2.16	0.09	3.2	0.14
ST-MAI-1303	1.5	0	1	CIRCULAR	0.02709	RCP	3.29	0.19	6.1	0.35	10.52	0.61
ST-MAI-1304	1.5	0	1	CIRCULAR	0.08051	RCP	4.39	0.15	7.99	0.27	13.7	0.46
ST-MAI-1305	1.5	0	1	CIRCULAR	0.22803	RCP	0.56	0.01	0.95	0.02	1.49	0.03
ST-MAI-1306	1.5	0	1	CIRCULAR	0.00923	RCP	9.25	0.92	11.71	1.16	11.58	1.15
ST-MAI-1307	1.5	0	1	CIRCULAR	0.12857	RCP	0.99	0.03	1.82	0.05	2.84	0.08
ST-MAI-1308	1.5	0	1	CIRCULAR	0.07572	RCP	0.99	0.03	1.81	0.06	2.81	0.1
ST-MAI-1309	1.5	0	1	CIRCULAR	0.15911	RCP	1.37	0.03	2.28	0.05	3.59	0.09
ST-MAI-131	2.5	0	1	CIRCULAR	0.11242	CONC	3.79	0.03	9.88	0.07	20.88	0.15
ST-MAI-1310	1.5	0	1	CIRCULAR	0.0122	RCP	12.41	1.07	14.31	1.23	14.43	1.24
ST-MAI-1311	1.5	0	1	CIRCULAR	0.16693	RCP	4.86	0.11	8	0.19	13.45	0.31
ST-MAI-1312	1.5	3	1	PARABOLIC	0.02936	Concrete	0	0	0	0	0	0
ST-MAI-1313	1.5	3	1	PARABOLIC	0.02817	Concrete	0	0	0	0	0	0
ST-MAI-1314	1.5	3	1	PARABOLIC	0.01189	Concrete	0	0	0	0	0	0
ST-MAI-1315	1.5	3	1	PARABOLIC	0.04384	Concrete	0	0	0	0	0	0
ST-MAI-1316	1.5	3	1	PARABOLIC	0.02529	Concrete	0	0	0	0	0	0
ST-MAI-1317	1.5	3	1	PARABOLIC	0.03361	Concrete	0	0	0	0	0	0
ST-MAI-1318	1.5	3	1	PARABOLIC	0.02587	Concrete	0	0	0	0	0	0
ST-MAI-1319	1.5	3	1	PARABOLIC	0.02739	Concrete	0	0	0	0	0	0
ST-MAI-132	2.5	0	1	CIRCULAR	0.0872	CONC	6.84	0.06	13.16	0.11	22.5	0.19
ST-MAI-1320	1.5	3	1	PARABOLIC	0.31866	Concrete	0	0	0	0	0	0
ST-MAI-1321	1.5	3	1	PARABOLIC	0.09845	Concrete	0.57	0.01	0.89	0.02	1.38	0.02
ST-MAI-1322	1.5	3	1	PARABOLIC	0.10003	Concrete	1.05	0.02	2.15	0.04	3.9	0.07
ST-MAI-1323	1.5	3	1	PARABOLIC	0.01024	Concrete	1.05	0.06	2.15	0.12	3.9	0.21
ST-MAI-1324	1.5	3	1	PARABOLIC	0.00908	Concrete	0.05	0	0.08	0	0.12	0.01
ST-MAI-1325	1.5	3	1	PARABOLIC	0.11334	Concrete	0.05	0	0.08	0	0.12	0
ST-MAI-1326	2.5	5	1	TRIANGULAR	0.25461	Concrete	20.21	0.09	22	0.1	42.62	0.19
ST-MAI-1327	1.5	0	1	CIRCULAR	0.37845	RCP	0	0	0	0	0	0
ST-MAI-1328	2.5	0	1	CIRCULAR	0.16515	RCP	30.1	0.18	46.39	0.28	69.09	0.41
ST-MAI-1329	1.5	0	1	CIRCULAR	0.50056	RCP	0.16	0	0.24	0	0.38	0.01
ST-MAI-1330	2.75	0	1	CIRCULAR	0.05563	RCP	24.54	0.2	33.69	0.27	55.87	0.45
ST-MAI-1331	2	0	1	CIRCULAR	0.09183	RCP	0.8	0.01	2.29	0.03	5.36	0.08
ST-MAI-1332	0	0	1	IRREGULAR	0.07956	Earthen	1.32	0	4.03	0	8.19	0
ST-MAI-1333	0	0	1	IRREGULAR	0.16629	Earthen	2.01	0	6.18	0	14.21	0
ST-MAI-1334	0	0	1	IRREGULAR	0.15216	Earthen	2.81	0	9.67	0	23.78	0
ST-MAI-1335	0.75	3.5	1	TRIANGULAR	0.04742	Concrete	0	0	0	0	0	0
ST-MAI-1336	0.75	3.5	1	TRIANGULAR	0.03475	Concrete	0	0	0	0	0	0
ST-MAI-1337	0.75	3.5	1	TRIANGULAR	0.02011	Concrete	0	0	0	0	0	0
ST-MAI-1338	0.75	3.5	1	TRIANGULAR	0.04443	Concrete	0	0	0	0	0	0
ST-MAI-1339	0.75	3.5	1	TRIANGULAR	0.02702	Concrete	0	0	0	0	0	0
ST-MAI-1340	0.75	3.5	1	TRIANGULAR	0.05527	Concrete	0.06	0.01	0.18	0.01	0.32	0.03
ST-MAI-1341	0.75	3.5	1	TRIANGULAR	0.07895	Concrete	0.34	0.02	1.08	0.08	2.3	0.16
ST-MAI-1342	2	0	1	CIRCULAR	0.25686	CMP	0.72	0.01	2.44	0.04	6.14	0.1
ST-MAI-1343	2	0	1	CIRCULAR	0.30285	CMP	1.36	0.02	4.44	0.07	10.43	0.15
ST-MAI-1344	2	0	1	CIRCULAR	0.19298	CMP	0.7	0.01	2.37	0.04	5.99	0.11
ST-MAI-1345	2	0	1	CIRCULAR	0.36985	CMP	1.96	0.03	6.04	0.08	13.85	0.19
ST-MAI-1346	2	0	1	CIRCULAR	0.19881	CMP	0.19	0	0.63	0.01	1.46	0.03
ST-MAI-1347	2	0	1	CIRCULAR	0.26796	CMP	0.65	0.01	2.11	0.03	4.67	0.07
ST-MAI-1348	2	0	1	CIRCULAR	0.35953	CMP	2.8	0.04	9.61	0.13	23.62	0.32
ST-MAI-1349	2	0	1	CIRCULAR	0.30978	CMP	1.13	0.02	3.46	0.05	7.12	0.1
ST-MAI-135	6	0	1	CIRCULAR	0.00414	RCP	156.75	0.58	276.6	1.02	450.78	1.65
ST-MAI-1350	0.75	3.5	1	TRIANGULAR	0.01467	Concrete	0.15	0.03	0.67	0.11	1.77	0.29

Existing Condition Storm Conveyance Results Summary Table

Conveyance Info	Dimensions						2-year		10-year		100-year	
Facility ID	D' or H' (diameter) or (height)	B' (width)	Barrels	Shape	Slope (ft/ft)	Material	Q_{con} (2-year) (cfs)	Qcon vs Qcap	Q_{con} (10-year) (cfs)	Qcon vs Qcap3	Q_{con} (100-year) (cfs)	Qcon vs Qcap7
ST-MAI-1351	0.75	3.5	1	TRIANGULAR	0.03242	Concrete	0.57	0.06	2.4	0.26	7.32	0.81
ST-MAI-1352	0.75	3.5	1	TRIANGULAR	0.02978	Concrete	0	0	0	0	0	0
ST-MAI-1353	2	0	1	CIRCULAR	0.29986	CMP	1.51	0.02	5.21	0.08	13.29	0.2
ST-MAI-1355	2	0	1	CIRCULAR	0.03612	RCP	33.76	0.79	61.48	1.43	104.79	2.44
ST-MAI-1356	2	0	1	CIRCULAR	0.02814	RCP	22.18	0.58	39.8	1.05	67.21	1.77
ST-MAI-1357	2	0	1	CIRCULAR	0.02642	RCP	32.64	0.89	59.34	1.61	101.47	2.76
ST-MAI-1358	1.5	0	1	CIRCULAR	0.00984	RCP	3.47	0.33	6.21	0.6	10.5	1.01
ST-MAI-1359	1.5	0	1	CIRCULAR	0.04388	RCP	4.63	0.21	8.21	0.37	13.85	0.63
ST-MAI-136	3.5	0	1	CIRCULAR	0.0059	RCP	53.3	0.69	82.4	1.07	87.5	1.13
ST-MAI-1360	2	0	1	CIRCULAR	0.02862	RCP	7.6	0.2	13.61	0.36	22.66	0.59
ST-MAI-1361	3	0	1	CIRCULAR	0.00466	RCP	39.3	0.86	70.3	1.54	104.76	2.3
ST-MAI-1362	1.5	0	1	CIRCULAR	0.02792	RCP	0	0	0	0	0	0
ST-MAI-1364	1.5	0	1	CIRCULAR	0.02613	RCP	3.07	0.18	5.38	0.32	8.82	0.52
ST-MAI-1365	2	0	1	CIRCULAR	0.23975	CONC	21.41	0.19	37.16	0.34	62.33	0.56
ST-MAI-1366	2	0	1	CIRCULAR	0.01058	CONC	3.84	0.17	6.1	0.26	23.28	1
ST-MAI-1367	2	0	1	CIRCULAR	0.01739	CONC	25.24	0.85	39.99	1.34	39.74	1.33
ST-MAI-1368	2	0	1	CIRCULAR	0.15624	CONC	8.83	0.1	15.14	0.17	25.76	0.29
ST-MAI-1369	2	0	1	CIRCULAR	0.0284	CONC	1.24	0.03	2.15	0.06	3.47	0.09
ST-MAI-1370	2	0	1	CIRCULAR	0.09169	RCP	8.94	0.13	15.46	0.23	26.06	0.38
ST-MAI-1371	2	0	1	CIRCULAR	0.01802	RCP	8.08	0.27	22.09	0.73	28.5	0.94
ST-MAI-1372	2	0	1	CIRCULAR	0.03052	RCP	35.25	0.89	40.25	1.02	40.96	1.04
ST-MAI-1373	2	0	1	CIRCULAR	0.00253	RCP	14.67	1.29	14.65	1.29	16.24	1.43
ST-MAI-1374	0	0	1	IRREGULAR	0.0394	Earthen	12.11	0	19.8	0	23.92	0
ST-MAI-1375	0	0	1	IRREGULAR	0.01044	Earthen	25.01	0	30.98	0	35.28	0
ST-MAI-1376	0	0	1	IRREGULAR	0.04285	Earthen	3.34	0	5.7	0	9.27	0
ST-MAI-1377	0	0	1	IRREGULAR	0.06107	Earthen	2.71	0	4.92	0	8.29	0
ST-MAI-1378	0	0	1	IRREGULAR	0.05729	Earthen	1.21	0	1.97	0	3.21	0
ST-MAI-1379	0	0	1	IRREGULAR	0.0977	Earthen	6.38	0	10.76	0	18.38	0
ST-MAI-1380	0	0	1	IRREGULAR	0.00107	Earthen	7.79	0.01	11.32	0.02	15.8	0.02
ST-MAI-1381	0	0	1	IRREGULAR	0.13612	Earthen	7.92	0	11.52	0	16.7	0
ST-MAI-1382	0	0	1	IRREGULAR	0.02861	Earthen	16.61	0	19.11	0	19.92	0
ST-MAI-1383	0	0	1	IRREGULAR	0.01535	Earthen	23.43	0	29.14	0	33.17	0
ST-MAI-1384	0	0	1	IRREGULAR	0.08393	Earthen	16.05	0	19.63	0	18.97	0
ST-MAI-1385	1.5	0	1	CIRCULAR	0.01602	CONC	16.6	1.25	19.15	1.44	19.5	1.47
ST-MAI-1386	1.5	0	1	CIRCULAR	0.04258	CONC	25.01	1.15	30.98	1.43	35.28	1.63
ST-MAI-1387	1.5	0	1	CIRCULAR	0.00445	CONC	16.05	2.29	19.83	2.83	19.03	2.71
ST-MAI-1388	1.5	0	1	CIRCULAR	0.05136	RCP	6.38	0.27	10.77	0.45	18.39	0.77
ST-MAI-1389	2.5	0	1	CIRCULAR	0.08958	RCP	41.94	0.34	60.75	0.49	86.09	0.7
ST-MAI-139	2.5	0	1	CIRCULAR	0.04171	RCP	16.34	0.2	27.43	0.33	50.75	0.61
ST-MAI-1390	1.5	0	1	CIRCULAR	0.7111	RCP	22.14	0.25	35.66	0.4	55.45	0.63
ST-MAI-1391	1.5	0	1	CIRCULAR	0.02932	RCP	1.3	0.07	2.11	0.12	3.41	0.19
ST-MAI-1392	1.5	0	1	CIRCULAR	0.0089	RCP	0.6	0.06	0.96	0.1	1.53	0.15
ST-MAI-1393	1.5	0	1	CIRCULAR	0.11704	RCP	3.55	0.1	5.98	0.17	9.64	0.27
ST-MAI-1394	1.5	0	1	CIRCULAR	0.0505	RCP	19.62	0.83	31.22	1.32	43.22	1.83
ST-MAI-1395	1.5	0	1	CIRCULAR	0.03914	RCP	7.84	0.38	11.35	0.55	15.49	0.75
ST-MAI-1396	2.5	0	1	CIRCULAR	0.03719	RCP	25.06	0.32	31.05	0.39	35.42	0.45
ST-MAI-1397	2.5	0	1	CIRCULAR	0.07908	RCP	42.02	0.36	60.84	0.53	86.1	0.75
ST-MAI-1398	1.75	0	1	CIRCULAR	0.01023	RCP	12.15	0.76	19.8	1.24	23.93	1.49
ST-MAI-1399	1.75	0	1	CIRCULAR	0.04099	RCP	7.93	0.25	11.52	0.36	16.44	0.51
ST-MAI-14	2	0	1	CIRCULAR	0.01555	RCP	39.47	1.4	39.51	1.4	39.69	1.41
ST-MAI-140	2.5	0	1	CIRCULAR	0.01245	RCP	24.92	0.54	45.06	0.98	62.04	1.36
ST-MAI-1400	2.25	0	1	CIRCULAR	0.02797	CONC	2.63	0.05	4.5	0.09	7.27	0.14
ST-MAI-1401	1.5	0	1	CIRCULAR	0.04374	RCP	13.92	0.63	25.13	1.14	35.22	1.6
ST-MAI-1402	1.5	0	1	CIRCULAR	0.15811	RCP	16.66	0.4	30.23	0.72	46.19	1.11
ST-MAI-1404	2	0	1	CIRCULAR	0.02608	RCP	13.85	0.38	24.83	0.68	43.81	1.2
ST-MAI-1405	2	0	1	CIRCULAR	0.0138	RCP	13.85	0.52	24.86	0.94	43.81	1.65

Existing Condition Storm Conveyance Results Summary Table

Conveyance Info	Dimensions						2-year		10-year		100-year	
Facility ID	D' or H' (diameter) or (height)	B' (width)	Barrels	Shape	Slope (ft/ft)	Material	Q_{con} (2-year) (cfs)	Qcon vs Qcap	Q_{con} (10-year) (cfs)	Qcon vs Qcap3	Q_{con} (100-year) (cfs)	Qcon vs Qcap7
ST-MAI-1406	1.5	0	1	CIRCULAR	0.16319	RCP	0.25	0.01	0.41	0.01	0.66	0.02
ST-MAI-1415	2	0	1	CIRCULAR	0.01622	RCP	2.42	0.08	3.83	0.13	6.79	0.24
ST-MAI-1416	1.5	0	1	CIRCULAR	0.0333	RCP	5.07	0.26	8.76	0.46	14.84	0.77
ST-MAI-1418	2	0	1	CIRCULAR	0.2531	HDPE	0	0	0	0	0	0
ST-MAI-1420	2.5	0	1	CIRCULAR	0.02991	RCP	1.3	0.02	2.39	0.03	4.13	0.06
ST-MAI-1421	2.5	0	1	CIRCULAR	0.03346	RCP	28.75	0.38	47.51	0.63	94.81	1.26
ST-MAI-1425	2	0	1	CIRCULAR	0.15358	RCP	0	0	0	0	0	0
ST-MAI-1426	2	0	1	CIRCULAR	0.07147	RCP	0	0	0	0	0.69	0.01
ST-MAI-142a	3	5.5	1	CIRCULAR	0.00541	CMP	53.5	2.01	53.36	2.01	52.25	1.97
ST-MAI-142b	3	5.5	1	CIRCULAR	0.00895	CMP	53.5	1.57	53.36	1.56	52.25	1.53
ST-MAI-1430	2	0	1	CIRCULAR	0.02458	RCP	0	0	0	0	0	0
ST-MAI-1432	2	0	1	CIRCULAR	0.05404	RCP	0.54	0.01	0.96	0.02	1.6	0.03
ST-MAI-1433	2	0	1	CIRCULAR	0.05318	RCP	0.53	0.01	0.95	0.02	4.16	0.08
ST-MAI-1434	2	0	1	CIRCULAR	0.00612	RCP	2.69	0.15	3.25	0.18	29.27	1.65
ST-MAI-1435	1.5	0	1	CIRCULAR	0.0664	RCP	0	0	0.98	0.04	38.37	1.42
ST-MAI-1436	2	0	1	CIRCULAR	0.02	RCP	0	0	0	0	0	0
ST-MAI-1437	2	0	1	CIRCULAR	0.0095	RCP	0	0	0	0	0	0
ST-MAI-1438	2	0	1	CIRCULAR	0.01855	RCP	0	0	0	0	0	0
ST-MAI-1439	2	0	1	CIRCULAR	0.00971	RCP	4.34	0.19	7.61	0.34	12.88	0.58
ST-MAI-144	2	0	1	CIRCULAR	0.08472	SP	15.38	0.43	27.35	0.77	36.55	1.02
ST-MAI-1440	2	0	1	CIRCULAR	0.00958	RCP	4.33	0.2	7.61	0.34	12.87	0.58
ST-MAI-1441	2	0	1	CIRCULAR	0.02473	RCP	4.33	0.12	7.6	0.21	12.7	0.36
ST-MAI-1442	2	0	1	CIRCULAR	0.00383	RCP	7.84	0.56	13.88	0.99	23.19	1.66
ST-MAI-1444	2	0	1	CIRCULAR	0.03044	RCP	0	0	0	0	0	0
ST-MAI-1445	2	0	1	CIRCULAR	0.06465	RCP	0	0	0	0	0	0
ST-MAI-1446	1.5	0	1	CIRCULAR	0.04035	RCP	0	0	0	0	0	0
ST-MAI-1447	1.5	0	1	CIRCULAR	0.04249	RCP	0	0	0	0	0	0
ST-MAI-1452	2.5	0	1	CIRCULAR	0.00117	CMP	36.06	4.74	35.21	4.63	35.31	4.64
ST-MAI-1453	3	0	1	CIRCULAR	0.08941	RCP	10.82	0.05	20.64	0.1	33.86	0.17
ST-MAI-1454	3	0	1	CIRCULAR	0.0074	RCP	10.82	0.19	20.71	0.36	33.84	0.59
ST-MAI-155	4	0	1	CIRCULAR	0.02767	RCP	37.23	0.16	56.88	0.24	81.41	0.34
ST-MAI-156	4	0	1	CIRCULAR	0.02594	RCP	38.05	0.16	56.39	0.24	83.92	0.36
ST-MAI-157	1.5	0	1	CIRCULAR	0.03249	RCP	7.39	0.39	22.16	1.17	22.98	1.21
ST-MAI-158	4	0	1	CIRCULAR	0.2143	RCP	1.02	0	1.65	0	2.61	0
ST-MAI-15a	2.5	0	1	CIRCULAR	0.00377	CONC	15.43	0.61	27.51	1.09	40.03	1.59
ST-MAI-15b	2.5	0	1	CIRCULAR	0.00524	CONC	15.39	0.52	27.43	0.92	41.03	1.38
ST-MAI-16	5	0	1	CIRCULAR	0.01283	RCP	344.91	1.17	354.05	1.2	361.86	1.23
ST-MAI-165	4.75	0	1	CIRCULAR	0.00246	RCP	49.6	0.44	50.38	0.45	48.92	0.43
ST-MAI-166	1	0	1	CIRCULAR	0.03745	ABS	0.77	0.11	1.26	0.18	2.06	0.3
ST-MAI-167	1	0	1	CIRCULAR	0.06325	ABS	0.67	0.07	1.06	0.12	1.67	0.19
ST-MAI-168	1	0	1	CIRCULAR	0.07322	RCP	3.47	0.36	4.5	0.47	6.01	0.62
ST-MAI-169	1	0	1	CIRCULAR	0.04763	ABS	2.1	0.27	3.44	0.44	5.26	0.68
ST-MAI-17	1.5	0	1	CIRCULAR	0.0246	CMP	5.9	0.66	10.58	1.19	17.27	1.94
ST-MAI-18	0.5	0	1	CIRCULAR	0.0277	ABS	1	1.08	1	1.08	1	1.08
ST-MAI-180	0	0	1	IRREGULAR	0.02069	Earthen	339.92	0.03	499.66	0.05	1119.93	0.11
ST-MAI-181a_1	0	0	1	IRREGULAR	0.01811	Earthen	336.28	0.05	496.6	0.08	1097.12	0.17
ST-MAI-181a_2	0	0	1	IRREGULAR	0.01811	Earthen	335.1	0.05	498.12	0.08	1129.36	0.18
ST-MAI-181b	0	0	1	IRREGULAR	0.01793	Earthen	333.37	0.1	470.96	0.14	1062.46	0.32
ST-MAI-182	2	0	1	CIRCULAR	0.05628	HDPE	3.1	0.06	5.39	0.1	8.05	0.15
ST-MAI-183	5	0	1	CIRCULAR	0.00964	CMP	165.64	1.2	167.19	1.21	167.66	1.21
ST-MAI-184	3	4.7	1	CIRCULAR	0.00554	CMP	33.67	1.25	33.32	1.24	33.56	1.25
ST-MAI-185	3	5.5	1	CIRCULAR	0.01271	CMP	34.49	0.85	33.81	0.83	33.89	0.83
ST-MAI-186	3	0	1	CIRCULAR	0.00637	CMP	51.51	1.79	51.44	1.78	51.32	1.78
ST-MAI-187	3	0	1	CIRCULAR	0.02425	CONC	9.08	0.09	15.03	0.14	24.94	0.24
ST-MAI-190	2	0	1	CIRCULAR	0.27807	RCP	0.72	0.01	1.27	0.01	2.1	0.02
ST-MAI-192	1.5	0	1	CIRCULAR	0.01849	CMP	2.14	0.28	3.83	0.49	6.46	0.84

Existing Condition Storm Conveyance Results Summary Table

Conveyance Info	Dimensions						2-year		10-year		100-year	
Facility ID	D' or H' (diameter) or (height)	B' (width)	Barrels	Shape	Slope (ft/ft)	Material	Q_{con} (2-year) (cfs)	Qcon vs Qcap	Q_{con} (10-year) (cfs)	Qcon vs Qcap3	Q_{con} (100-year) (cfs)	Qcon vs Qcap7
ST-MAI-194	1.5	0	1	CIRCULAR	0.14235	RCP	1.79	0.05	3.15	0.08	5.15	0.13
ST-MAI-196	1	0	1	CIRCULAR	0.02113	ABS	0.92	0.18	1.53	0.3	2.51	0.49
ST-MAI-197	1	0	1	CIRCULAR	0.08454	CMP	1.83	0.33	3.3	0.59	5.54	0.99
ST-MAI-198	1.5	0	1	CIRCULAR	0.02043	SP	0.26	0.03	0.46	0.06	0.74	0.09
ST-MAI-19b	6	0	1	CIRCULAR	0.07526	RCP	0	0	0	0	82.44	0.07
ST-MAI-2	4	8	1	RECT_CLOSED	0.02261	RCB	214.3	0.32	241.33	0.36	270.45	0.41
ST-MAI-20	1.5	0	1	CIRCULAR	0.19522	RCP	6.39	0.14	11.52	0.25	20.14	0.43
ST-MAI-200	1	0	1	CIRCULAR	0.03309	ABS	7.57	1.17	7.57	1.17	7.57	1.17
ST-MAI-201	1.5	0	1	CIRCULAR	0.03023	ABS	10.73	0.59	18.74	1.03	19.72	1.08
ST-MAI-202	1	3	1	PARABOLIC	0.1641	RCP	3.52	0.06	6.18	0.1	10.37	0.17
ST-MAI-203	1	0	1	CIRCULAR	0.01262	RCP	0.29	0.07	0.59	0.15	1.03	0.26
ST-MAI-204	1	0	1	CIRCULAR	0.0057	RCP	0.06	0.02	0.14	0.05	0.25	0.09
ST-MAI-206	1.5	0	1	CIRCULAR	0.13647	CMP	5.65	0.27	10.31	0.49	17.68	0.84
ST-MAI-209	3.5	0	1	CIRCULAR	0.03992	RCP	33.42	0.17	36.03	0.18	39.52	0.2
ST-MAI-21	6	0	1	CIRCULAR	0.0133	RCP	29.25	0.06	77.78	0.16	197.57	0.4
ST-MAI-210	4	0	1	CIRCULAR	0.00365	RCP	58.65	0.68	76.04	0.88	78.32	0.9
ST-MAI-211	5.5	0	1	CIRCULAR	0.00391	RCP	176.37	0.84	322.21	1.53	404.36	1.93
ST-MAI-212	5.5	0	1	CIRCULAR	0.00341	RCP	174.16	0.89	299.2	1.53	351.33	1.79
ST-MAI-213	5	0	1	CIRCULAR	0.01039	RCP	162.55	0.61	282.45	1.06	319.43	1.2
ST-MAI-218	5	0	1	CIRCULAR	0.01571	RCP	108.45	0.33	195.21	0.6	340.91	1.04
ST-MAI-219	5	0	1	CIRCULAR	0.02475	RCP	79.52	0.19	144.57	0.35	222.47	0.54
ST-MAI-220	5	0	1	CIRCULAR	0.00709	RCP	79.32	0.36	147.69	0.67	225.67	1.03
ST-MAI-221	3.5	0	1	CIRCULAR	0.0077	RCP	33.1	0.37	74.48	0.84	82.88	0.94
ST-MAI-222	3.5	0	1	CIRCULAR	0.03572	RCP	57.73	0.3	119.93	0.63	124.92	0.66
ST-MAI-223	3	0	1	CIRCULAR	0.01468	RCP	8.82	0.11	14.34	0.18	27.53	0.34
ST-MAI-224	3	0	1	CIRCULAR	0.06052	RCP	11.52	0.07	20.89	0.13	48.56	0.3
ST-MAI-225	1.25	0	1	CIRCULAR	0.0109	HDPE	0.65	0.1	1.06	0.16	1.53	0.23
ST-MAI-226	1.25	0	1	CIRCULAR	0.00612	HDPE	2.86	0.57	4.77	0.94	6.75	1.34
ST-MAI-227	1.25	0	1	CIRCULAR	0.0342	HDPE	2.85	0.24	4.77	0.4	6.76	0.57
ST-MAI-228	1.25	0	1	CIRCULAR	0.04641	HDPE	1.06	0.08	1.8	0.13	2.95	0.21
ST-MAI-229	1.25	0	1	CIRCULAR	0.01048	HDPE	1.85	0.28	3.08	0.47	4.47	0.68
ST-MAI-22b	2	0	1	CIRCULAR	0.03596	RCP	0.17	0	2.95	0.07	1.89	0.04
ST-MAI-23	6	0	1	CIRCULAR	0.01075	RCP	429.37	0.98	558.01	1.27	563.88	1.28
ST-MAI-230	1.5	0	1	CIRCULAR	0.1456	RCP	2.15	0.05	3.62	0.09	5.75	0.14
ST-MAI-231	1.5	0	1	CIRCULAR	0.01633	RCP	2.51	0.19	4.26	0.32	6.77	0.5
ST-MAI-232	1.5	0	1	CIRCULAR	0.0151	RCP	2.5	0.19	4.25	0.33	6.76	0.52
ST-MAI-233	1.5	0	1	CIRCULAR	0.02257	HDPE	2.74	0.17	4.88	0.31	8.3	0.53
ST-MAI-234	2	0	1	CIRCULAR	0.01518	RCP	33.15	1.19	35.22	1.26	35.67	1.28
ST-MAI-235	0	0	1	IRREGULAR	0.19961	Earthen	0.13	0	0.21	0	0.34	0
ST-MAI-236	1.25	0	1	CIRCULAR	0.00845	HDPE	3.14	0.53	5.52	0.93	8.34	1.4
ST-MAI-237	1.25	0	1	CIRCULAR	0.01821	RCP	3.09	0.35	5.46	0.63	8.31	0.95
ST-MAI-238	1.5	0	1	CIRCULAR	0.01598	RCP	14.74	1.11	24.15	1.82	27.2	2.05
ST-MAI-239	1.5	0	1	CIRCULAR	0.05941	RCP	3.43	0.13	6.12	0.24	10.39	0.41
ST-MAI-24	2	0	1	CIRCULAR	0.06565	CMP	17.14	0.55	26.59	0.85	33.12	1.05
ST-MAI-241	1.5	0	1	CIRCULAR	0.09864	CMP	2.15	0.12	3.58	0.2	5.76	0.32
ST-MAI-243	1.5	0	1	CIRCULAR	-0.00097	RCP	22.61	6.93	22.68	6.95	22.34	6.84
ST-MAI-244	2	0	1	CIRCULAR	0.00147	RCP	22.87	2.64	22.86	2.64	22.88	2.64
ST-MAI-245	2	0	1	CIRCULAR	-0.03119	RCP	26.01	0.65	25.04	0.63	23.09	0.58
ST-MAI-246	2	0	1	CIRCULAR	0.06704	RCP	5.21	0.09	9.3	0.16	15.61	0.27
ST-MAI-247	1.5	0	1	CIRCULAR	0.14905	RCP	2.41	0.06	4.34	0.11	7.28	0.18
ST-MAI-248	1.5	0	1	CIRCULAR	0.02518	RCP	1.57	0.09	2.86	0.17	4.81	0.29
ST-MAI-249	1.5	0	1	CIRCULAR	0.21636	RCP	2.85	0.06	5.02	0.1	8.43	0.17
ST-MAI-25	3	0	1	CIRCULAR	0.00345	RCP	45.22	1.15	63.38	1.62	63.32	1.62
ST-MAI-250	2	0	1	CIRCULAR	0.01003	RCP	5.42	0.24	9.57	0.42	16.51	0.73
ST-MAI-251	2	0	1	CIRCULAR	0.02382	RCP	5.43	0.16	9.57	0.27	16.57	0.47
ST-MAI-252	2	0	1	CIRCULAR	0.0245	RCP	5.39	0.15	9.5	0.27	16.47	0.47

Existing Condition Storm Conveyance Results Summary Table

Conveyance Info	Dimensions						2-year		10-year		100-year	
Facility ID	D' or H' (diameter) or (height)	B' (width)	Barrels	Shape	Slope (ft/ft)	Material	Q_{con} (2-year) (cfs)	Qcon vs Qcap	Q_{con} (10-year) (cfs)	Qcon vs Qcap3	Q_{con} (100-year) (cfs)	Qcon vs Qcap7
ST-MAI-253	1.5	0	1	CIRCULAR	0.01737	RCP	11.16	0.81	20.06	1.45	32.82	2.37
ST-MAI-254	2.5	0	1	CIRCULAR	0.02144	RCP	16.44	0.27	29.45	0.49	48.94	0.81
ST-MAI-255	3	0	1	CIRCULAR	0.06449	RCP	23.15	0.14	39.66	0.23	70.99	0.42
ST-MAI-257	3.5	0	1	CIRCULAR	0.01678	RCP	2.18	0.02	6.51	0.05	10.32	0.08
ST-MAI-259	0.67	0	1	CIRCULAR	0.16213	PVC	0.91	0.18	1.53	0.31	2.44	0.5
ST-MAI-26	2.5	0	1	CIRCULAR	0.02387	RCP	20.29	0.32	32.68	0.52	45.81	0.72
ST-MAI-260	2	0	1	CIRCULAR	0.0155	RCP	2.56	0.09	5.09	0.18	12.72	0.45
ST-MAI-261	2	0	1	CIRCULAR	0.01653	RCP	2.56	0.09	5.07	0.17	12.72	0.44
ST-MAI-262	2	0	1	CIRCULAR	0.07858	RCP	2.55	0.04	5.06	0.08	12.72	0.2
ST-MAI-265	1	0	1	CIRCULAR	0.08978	PVC	2.21	0.21	3.82	0.36	6.21	0.58
ST-MAI-266	1.5	0	1	CIRCULAR	0.08805	RCP	2.23	0.07	4	0.13	6.84	0.22
ST-MAI-267	1.5	0	1	CIRCULAR	0.10047	CMP	2.14	0.12	3.73	0.21	6.15	0.34
ST-MAI-27	2	0	1	CIRCULAR	0.00716	CMP	11.18	1.08	15.89	1.53	16.7	1.61
ST-MAI-273	1.5	0	1	CIRCULAR	0.00716	RCP	5.12	0.58	8.57	0.96	12.11	1.36
ST-MAI-274	3	0	1	CIRCULAR	0.11572	RCP	1.39	0.01	3.35	0.01	6.14	0.03
ST-MAI-275	1.5	0	1	CIRCULAR	0.02669	RCP	7.33	0.43	12.74	0.74	15.39	0.9
ST-MAI-276	2	0	1	CIRCULAR	0.02534	CMP	35.96	1.84	35.95	1.84	35.86	1.84
ST-MAI-277	3.5	0	1	CIRCULAR	0.0369	RCP	120.63	0.62	182	0.94	189.7	0.98
ST-MAI-279	3	0	1	CIRCULAR	0.0315	RCP	59.32	0.5	69.43	0.59	99.62	0.84
ST-MAI-281	3	0	1	CIRCULAR	0.02168	RCP	98.66	1	114.46	1.17	114.01	1.16
ST-MAI-282	3.5	0	1	CIRCULAR	0.02175	RCP	124.68	0.84	163.01	1.1	165.54	1.12
ST-MAI-283	3	0	1	CIRCULAR	0.03355	RCP	57.88	0.47	65.47	0.54	87.86	0.72
ST-MAI-285	1.5	0	1	CIRCULAR	0.02837	RCP	2.37	0.13	4.28	0.24	7.3	0.41
ST-MAI-286	1.5	0	1	CIRCULAR	0.05008	CMP	13.97	1.1	14	1.1	14.02	1.1
ST-MAI-287	1.5	0	1	CIRCULAR	0.03224	CMP	17.84	1.75	18.54	1.82	19.25	1.88
ST-MAI-288	2	0	1	CIRCULAR	0.00332	RCP	3.99	0.31	4.25	0.33	34.65	2.66
ST-MAI-289	2.25	0	1	CIRCULAR	0.0059	RCP	2.14	0.09	3.91	0.16	11.96	0.5
ST-MAI-29	1.25	0	1	CIRCULAR	0.08432	ABS	6.93	0.37	18.1	0.96	19.59	1.04
ST-MAI-290	2	0	1	CIRCULAR	0.00453	RCP	0.96	0.06	1.77	0.12	3.54	0.23
ST-MAI-291	2	0	1	CIRCULAR	0.02619	RCP	0.18	0	0.27	0.01	0.42	0.01
ST-MAI-293	1.5	0	1	CIRCULAR	0.06693	RCP	1.01	0.04	1.73	0.06	2.81	0.1
ST-MAI-294	1	3	1	PARABOLIC	0.11591	CONC	0	0	0	0	0	0
ST-MAI-295	1	3	1	PARABOLIC	0.00757	CONC	1.6	0.12	3	0.23	5.06	0.39
ST-MAI-296	1	0	1	CIRCULAR	0.00305	RCP	0.2	0.1	0.44	0.22	0.78	0.4
ST-MAI-297	1	3	1	PARABOLIC	0.01636	CONC	0	0	0	0	0	0
ST-MAI-299	1	0	1	CIRCULAR	0.17878	CMP	0.85	0.1	1.5	0.18	2.47	0.3
ST-MAI-3	5	16	1	RECT_CLOSED	0.00788	RCB	277.5	0.22	527.52	0.42	946.67	0.76
ST-MAI-30	6	0	1	CIRCULAR	0.06169	RCP	0.03	0	0.05	0	0.08	0
ST-MAI-301	1	3	1	PARABOLIC	0.04794	CONC	0	0	0	0	0	0
ST-MAI-302	1	3	1	PARABOLIC	0.09823	CONC	0	0	0	0	0	0
ST-MAI-303	1	3	1	PARABOLIC	0.07036	CONC	2.03	0.05	3.6	0.09	5.88	0.15
ST-MAI-304	1.5	0	1	CIRCULAR	0.01774	CMP	5.03	0.66	8.11	1.07	12.74	1.68
ST-MAI-305	1.25	0	1	CIRCULAR	0.0304	ABS	14.68	1.3	16.91	1.5	15.93	1.41
ST-MAI-306	1.5	0	1	CIRCULAR	0.00323	RCP	3.27	0.55	5.4	0.9	8.47	1.42
ST-MAI-307	1.5	0	1	CIRCULAR	0.27678	RCP	6.05	0.11	10.21	0.18	16.49	0.3
ST-MAI-309	1	0	1	CIRCULAR	0.85398	CMP	0.34	0.02	0.54	0.03	0.84	0.05
ST-MAI-31	4	0	1	CIRCULAR	0.01834	RCP	13.62	0.07	13.77	0.07	11.6	0.06
ST-MAI-311	1	3	1	PARABOLIC	0.56037	CONC	0	0	0	0	0	0
ST-MAI-312	1	3	1	PARABOLIC	0.24209	CONC	0	0	0	0	0	0
ST-MAI-314	1	3	1	PARABOLIC	0.0148	CONC	0	0	0	0	0	0
ST-MAI-315	1.5	0	1	CIRCULAR	0.14772	CMP	0.83	0.04	1.51	0.07	2.45	0.11
ST-MAI-316	1.5	0	1	CIRCULAR	0.01324	RCP	10.66	0.88	18.8	1.56	22.69	1.88
ST-MAI-317	1.5	0	1	CIRCULAR	0.15621	CMP	12.33	0.55	21.66	0.96	24.24	1.08
ST-MAI-318	1	3	1	PARABOLIC	0.00303	CONC	0.27	0.03	0.49	0.06	0.78	0.09
ST-MAI-319	6	0	1	CIRCULAR	0.00422	RCP	127.39	0.46	342.27	1.24	374.16	1.36
ST-MAI-32	1.5	0	1	CIRCULAR	0.06712	CMP	16.98	1.15	20.69	1.4	20.37	1.38

Existing Condition Storm Conveyance Results Summary Table

Conveyance Info	Dimensions						2-year		10-year		100-year	
Facility ID	D' or H' (diameter) or (height)	B' (width)	Barrels	Shape	Slope (ft/ft)	Material	Q_{con} (2-year) (cfs)	Qcon vs Qcap	Q_{con} (10-year) (cfs)	Qcon vs Qcap3	Q_{con} (100-year) (cfs)	Qcon vs Qcap7
ST-MAI-320	3	0	1	CIRCULAR	0.02147	CMP	28.99	0.55	50.95	0.96	58.13	1.1
ST-MAI-321	1.5	0	1	CIRCULAR	0.05043	RCP	0.9	0.04	1.43	0.06	2.27	0.1
ST-MAI-322	1.5	0	1	CIRCULAR	0.01278	RCP	1.43	0.12	17.83	1.5	19.57	1.65
ST-MAI-323	1.5	0	1	CIRCULAR	0.00966	RCP	2.16	0.21	3.64	0.35	5.77	0.56
ST-MAI-324	1	3	1	PARABOLIC	0.17585	Concrete	2.83	0.07	4.77	0.11	7.91	0.18
ST-MAI-325	1.25	0	1	CIRCULAR	0.02919	CMP	0.24	0.04	0.39	0.06	0.61	0.1
ST-MAI-326	1.25	0	1	CIRCULAR	0.01504	HDPE	0.26	0.03	0.43	0.05	0.67	0.08
ST-MAI-327	1.25	0	1	CIRCULAR	0.04105	CMP	0.26	0.04	0.43	0.06	0.67	0.1
ST-MAI-328	1.5	0	1	CIRCULAR	0.06328	CMP	1.86	0.13	3.34	0.23	5.49	0.38
ST-MAI-33	1.5	0	1	CIRCULAR	0.01859	RCP	9.04	0.63	15.26	1.07	15.43	1.08
ST-MAI-330	1.5	0	1	CIRCULAR	0.06189	CMP	6.87	0.49	12.13	0.86	14.12	1
ST-MAI-332	2	0	1	CIRCULAR	0.47947	CMP	3.18	0.04	5.8	0.07	8.01	0.09
ST-MAI-333	1.75	0	1	CIRCULAR	0.01083	RCP	11.78	0.71	20.7	1.26	24.44	1.48
ST-MAI-334	2.5	0	1	CIRCULAR	0.01081	CMP	20.82	0.9	36.56	1.58	46.17	2
ST-MAI-335	1	0	1	CIRCULAR	0.02205	HDPE	3.46	0.65	4.75	0.9	4.78	0.9
ST-MAI-337	1.5	0	1	CIRCULAR	0.15237	CMP	5.46	0.25	8.53	0.38	8.67	0.39
ST-MAI-338	1.5	0	1	CIRCULAR	0.00506	CMP	6.31	1.56	9.76	2.41	10.57	2.61
ST-MAI-339	1.5	0	1	CIRCULAR	0.01534	CMP	3.84	0.54	6.79	0.96	11.75	1.67
ST-MAI-34	6	0	1	CIRCULAR	0.00263	RCP	80.68	0.37	219.18	1.01	274.87	1.27
ST-MAI-340	1.5	0	1	CIRCULAR	0.01929	RCP	4.35	0.3	7.63	0.52	13.1	0.9
ST-MAI-341	1.5	0	1	CIRCULAR	0.00704	CMP	3.83	0.8	6.58	1.38	9.56	2
ST-MAI-342	2	0	1	CIRCULAR	0.0524	HDPE	4.01	0.08	6.88	0.13	10.36	0.2
ST-MAI-343	1.5	0	1	CIRCULAR	0.27655	CMP	0	0	0	0	0	0
ST-MAI-345	0	0	1	IRREGULAR	0.01478	EAR	0.6	0.2	0.96	0.32	1.51	0.51
ST-MAI-346	1.5	0	1	CIRCULAR	0.19015	CMP	3.45	0.14	5.69	0.23	9.16	0.37
ST-MAI-347	2.5	0	1	CIRCULAR	0.09578	CMP	18.93	0.28	29	0.42	39.28	0.57
ST-MAI-348	1.5	0	1	CIRCULAR	0.03988	RCP	1.33	0.06	2.31	0.11	4.13	0.2
ST-MAI-349	1	4	1	RECT_OPEN	0.02479	Concrete	0	0	0	0	0	0
ST-MAI-35	3	0	1	CIRCULAR	0.00564	RCP	79.5	1.59	78.92	1.58	79.28	1.58
ST-MAI-350	1	8	1	RECT_OPEN	0.00961	Concrete	5.17	0.1	8.53	0.16	13.92	0.26
ST-MAI-351	1	5	1	RECT_OPEN	0.02826	Concrete	0.17	0	0.26	0	0.39	0.01
ST-MAI-352	1.5	0	1	CIRCULAR	0.0106	CMP	5.23	0.89	7.91	1.35	12.34	2.11
ST-MAI-353	1.67	0	1	CIRCULAR	0.04587	RCP	6.31	0.21	9.73	0.32	15.33	0.51
ST-MAI-354	1.67	0	1	CIRCULAR	0.00784	RCP	7.9	0.64	12.69	1.02	19.23	1.55
ST-MAI-355	0.5	0	1	CIRCULAR	0.87276	PVC	1.17	0.22	1.83	0.35	2.85	0.54
ST-MAI-356	3	8	1	RECT_OPEN	0.00915	EAR	1.79	0.02	3.16	0.04	5.5	0.07
ST-MAI-357	4	0	1	CIRCULAR	0.00576	HDPE	97.27	0.89	182.34	1.67	313.58	2.88
ST-MAI-358	1.5	0	1	CIRCULAR	0.04554	CMP	0.94	0.08	1.56	0.13	2.6	0.21
ST-MAI-359	4	0	1	CIRCULAR	0.01812	HDPE	97.83	0.51	182.97	0.95	345.83	1.79
ST-MAI-36	2	0	1	CIRCULAR	0.00379	RCP	21.16	1.52	22.45	1.61	20.61	1.48
ST-MAI-361	1	3	1	PARABOLIC	0.02196	Earthen	1.64	0.34	2.83	0.59	3.21	0.66
ST-MAI-362	2	0	1	CIRCULAR	0.00517	CMP	1.3	0.15	2.12	0.24	3.42	0.39
ST-MAI-363a	3	8	1	RECT_OPEN	0.00056	CONC	1.22	0.06	2.13	0.11	3.28	0.16
ST-MAI-363b	3	8	1	RECT_OPEN	0.00217	CONC	5.22	0.13	8.61	0.22	14.01	0.35
ST-MAI-364_1	2.5	0	1	CIRCULAR	0.03181	RCP	83.88	1.15	90.64	1.24	90.96	1.24
ST-MAI-364_2	2.5	0	1	CIRCULAR	0.0469	RCP	79.07	0.89	84.94	0.96	86.11	0.97
ST-MAI-365	1.5	0	1	CIRCULAR	0.04287	RCP	6.11	0.28	5.97	0.27	6.33	0.29
ST-MAI-366	1.5	0	1	CIRCULAR	0.05768	RCP	16.43	0.65	15.22	0.6	11.88	0.47
ST-MAI-368	1.5	0	1	CIRCULAR	0.02149	HDPE	2.01	0.13	3.34	0.22	5.54	0.36
ST-MAI-370	2.5	0	1	CIRCULAR	0.00601	RCP	0.42	0.01	0.89	0.03	1.64	0.05
ST-MAI-371	2	0	1	CIRCULAR	0.00605	RCP	0.33	0.02	0.6	0.03	1.11	0.06
ST-MAI-372	2.5	0	1	CIRCULAR	0.09391	RCP	0.24	0	0.4	0	0.67	0.01
ST-MAI-373	1.5	0	1	CIRCULAR	0.02797	RCP	0.32	0.02	0.56	0.03	0.89	0.05
ST-MAI-374	2	0	1	CIRCULAR	0.09948	CMP	1.33	0.03	2.36	0.06	4.17	0.11
ST-MAI-375	2.5	0	1	CIRCULAR	0.21096	RCP	33.8	0.18	61.21	0.32	112.6	0.6
ST-MAI-376a	1	3	1	PARABOLIC	0.09316	Concrete	0	0	0	0	0	0

Existing Condition Storm Conveyance Results Summary Table

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ST-MAI-376b	1	3	1	PARABOLIC	0.04	Concrete	0.48	0.02	0.61	0.03	0.79	0.04
ST-MAI-377	2	0	1	CIRCULAR	0.1509	CONC	5.11	0.06	8.05	0.09	12.59	0.14
ST-MAI-38	5	0	1	CIRCULAR	0.01522	RCP	87.5	0.27	154.09	0.48	227.9	0.71
ST-MAI-380	1.5	0	1	CIRCULAR	0.14643	CMP	2.81	0.13	4.47	0.21	7.02	0.32
ST-MAI-381	1.5	0	1	CIRCULAR	0.00976	CMP	1.42	0.25	2.46	0.44	3.95	0.7
ST-MAI-382	1.5	0	1	CIRCULAR	0.17017	CMP	0.51	0.02	0.88	0.04	1.41	0.06
ST-MAI-383	2	0	1	CIRCULAR	0.04798	HDPE	1.87	0.04	3.43	0.07	5.77	0.12
ST-MAI-384	2	0	1	CIRCULAR	0.46873	HDPE	2.39	0.02	4.33	0.03	7.22	0.05
ST-MAI-385	1.5	0	1	CIRCULAR	0.03969	HDPE	7.52	0.36	11.99	0.57	18.66	0.89
ST-MAI-386	4	0	1	CIRCULAR	0.00333	CMP	16.5	0.37	26.99	0.6	30.24	0.67
ST-MAI-388_1	4	0	1	CIRCULAR	0.10334	Earthen	24.01	0.05	38.95	0.08	48.35	0.1
ST-MAI-388_2	30	20	1	RECT_OPEN	0.10318	Earthen	24	0	38.95	0	48.34	0
ST-MAI-389	1.5	0	1	CIRCULAR	0.04903	HDPE	0.86	0.04	1.38	0.06	2.19	0.09
ST-MAI-390	1.5	0	1	CIRCULAR	0.03154	HDPE	0.89	0.05	1.43	0.08	2.27	0.12
ST-MAI-391	1.5	0	1	CIRCULAR	0.03585	HDPE	6.74	0.34	10.76	0.54	16.89	0.85
ST-MAI-392	1.5	0	1	CIRCULAR	0.02862	HDPE	7.55	0.42	12.04	0.68	18.7	1.05
ST-MAI-393	1.5	0	1	CIRCULAR	0.02449	HDPE	0.51	0.03	0.79	0.05	1.24	0.08
ST-MAI-394	1.5	0	1	CIRCULAR	0.01638	HDPE	0.41	0.03	0.63	0.05	0.92	0.07
ST-MAI-395	2	0	1	CIRCULAR	0.02458	ABS	14.1	0.4	25.27	0.71	43.32	1.22
ST-MAI-396	1.25	0	1	CIRCULAR	0.01862	HDPE	4.94	0.56	9.1	1.03	15.78	1.79
ST-MAI-397	1.5	0	1	CIRCULAR	0.01962	HDPE	1.08	0.07	1.71	0.12	2.67	0.18
ST-MAI-398	1.5	0	1	CIRCULAR	0.01614	HDPE	0.19	0.01	0.29	0.02	0.45	0.03
ST-MAI-399	1.5	0	1	CIRCULAR	0.03746	HDPE	0.54	0.03	0.82	0.04	1.26	0.06
ST-MAI-4	2	0	1	CIRCULAR	0.13082	HDPE	4.52	0.06	7.69	0.09	11.79	0.14
ST-MAI-40	1.5	3	1	PARABOLIC	0.0177	CONC	0.83	0.02	1.91	0.05	3.87	0.11
ST-MAI-400	1.5	0	1	CIRCULAR	0.01652	HDPE	1.57	0.12	2.56	0.19	4.05	0.3
ST-MAI-401	1.5	0	1	CIRCULAR	0.03322	HDPE	2.05	0.11	3.3	0.17	5.19	0.27
ST-MAI-402	1.5	0	1	CIRCULAR	0.01452	HDPE	1.03	0.08	1.59	0.13	2.47	0.19
ST-MAI-403	1.5	0	1	CIRCULAR	0.02852	HDPE	1.28	0.07	2	0.11	3.1	0.17
ST-MAI-404	1.5	0	1	CIRCULAR	0.04167	HDPE	4.25	0.2	6.74	0.31	10.55	0.49
ST-MAI-405	1	0	1	CIRCULAR	0.08783	CMP	0.66	0.12	1.05	0.18	1.66	0.29
ST-MAI-406	1.5	0	1	CIRCULAR	0.00621	HDPE	2.45	0.3	3.89	0.47	6.12	0.74
ST-MAI-407	1.5	0	1	CIRCULAR	0.02495	HDPE	3.52	0.21	5.62	0.34	8.82	0.53
ST-MAI-408	1.5	0	1	CIRCULAR	0.06935	HDPE	1.18	0.04	1.84	0.07	2.87	0.1
ST-MAI-409	2	0	1	CIRCULAR	0.10685	HDPE	4.79	0.06	7.61	0.1	11.92	0.16
ST-MAI-410	1.5	0	1	CIRCULAR	0.0196	RCP	7.02	0.48	12.36	0.84	12.33	0.84
ST-MAI-411	1.5	0	1	CIRCULAR	0.00366	RCP	8.89	1.4	15.35	2.42	17.54	2.76
ST-MAI-412	1	3	1	PARABOLIC	0.10962	Concrete	0	0	0	0	0	0
ST-MAI-413	1	3	1	PARABOLIC	0.05945	Concrete	0	0	0	0	0	0
ST-MAI-414	1	3	1	PARABOLIC	0.02626	Concrete	1.35	0.08	2.7	0.16	4.63	0.28
ST-MAI-415	1	3	1	PARABOLIC	0.14246	Concrete	1.97	0.05	3.52	0.09	5.79	0.15
ST-MAI-416	1	3	1	PARABOLIC	0.08587	Concrete	1.37	0.05	2.6	0.09	4.5	0.15
ST-MAI-417	1	3	1	PARABOLIC	0.16413	Concrete	0	0	0	0	0	0
ST-MAI-418	1	3	1	PARABOLIC	0.12316	Concrete	0	0	0	0	0	0
ST-MAI-419	1.5	0	1	CIRCULAR	0.01258	RCP	7.55	0.64	15.45	1.31	26.53	2.25
ST-MAI-41a	2.5	0	1	CIRCULAR	0.01599	RCP	54.16	1.04	57.82	1.11	57.33	1.11
ST-MAI-41b	2.5	0	1	CIRCULAR	0.03635	RCP	52.53	0.67	71.77	0.92	72.92	0.93
ST-MAI-42	2.5	0	1	CIRCULAR	0.02199	RCP	48.18	0.79	55.85	0.92	53.04	0.87
ST-MAI-420	1	3	1	PARABOLIC	0.09872	Concrete	0	0	0	0	0	0
ST-MAI-421	1	3	1	PARABOLIC	0.00505	Concrete	1.81	0.25	3.38	0.46	5.67	0.77
ST-MAI-422	1.5	0	1	CIRCULAR	0.00934	RCP	3.22	0.32	5.82	0.57	10.35	1.02
ST-MAI-423	3	0	1	CIRCULAR	0.00838	RCP	5.51	0.09	9.88	0.16	17.41	0.29
ST-MAI-424	2	0	1	CIRCULAR	0.06925	RCP	3.88	0.07	7.16	0.12	11.9	0.2
ST-MAI-425	2.5	0	1	CIRCULAR	0.05923	RCP	10.94	0.11	20.02	0.2	33.95	0.34
ST-MAI-426	3	0	1	CIRCULAR	0.03148	RCP	16.95	0.14	30.69	0.26	53.09	0.45
ST-MAI-427	3	0	1	CIRCULAR	0.06807	RCP	11.41	0.07	21.68	0.12	35.91	0.21

Existing Condition Storm Conveyance Results Summary Table

Conveyance Info	Dimensions						2-year		10-year		100-year	
Facility ID	D' or H' (diameter) or (height)	B' (width)	Barrels	Shape	Slope (ft/ft)	Material	Q_{con} (2-year) (cfs)	Qcon vs Qcap	Q_{con} (10-year) (cfs)	Qcon vs Qcap3	Q_{con} (100-year) (cfs)	Qcon vs Qcap7
ST-MAI-428	1.5	0	1	CIRCULAR	0.06224	RCP	1.15	0.04	2.11	0.08	3.58	0.14
ST-MAI-429	4	0	1	CIRCULAR	0.01105	RCP	28.35	0.19	52.51	0.35	91.23	0.6
ST-MAI-430	1.5	0	1	CIRCULAR	0.07414	RCP	0.64	0.02	1.14	0.04	1.87	0.07
ST-MAI-431	4	0	1	CIRCULAR	0.03938	RCP	27.58	0.1	51.13	0.18	89.06	0.31
ST-MAI-432	2.5	0	1	CIRCULAR	0.02111	CMP	16.86	0.52	28.34	0.88	41.77	1.29
ST-MAI-433	2.5	0	1	CIRCULAR	0.05984	CMP	24.19	0.45	41.18	0.76	57.76	1.06
ST-MAI-434	1.5	0	1	CIRCULAR	0.01887	CMP	5.24	0.67	9.5	1.22	16.34	2.09
ST-MAI-437	2	0	1	CIRCULAR	0.04587	RCB	20.31	0.42	36.88	0.76	57.16	1.18
ST-MAI-438	1.5	0	1	CIRCULAR	0.02502	CMP	12.5	1.39	18.7	2.08	19.58	2.18
ST-MAI-439	1.5	0	1	CIRCULAR	0.02587	CMP	11.15	1.22	16.21	1.77	16.45	1.8
ST-MAI-44	3	0	1	CIRCULAR	0.05871	CMP	37.3	0.43	66.52	0.76	67.84	0.77
ST-MAI-440	1.5	0	1	CIRCULAR	0.02778	CMP	2.8	0.3	8.16	0.86	16.81	1.77
ST-MAI-441	0.83	0	1	CIRCULAR	0.00906	HDPE	4.39	2.13	4.47	2.16	4.52	2.19
ST-MAI-442	1.5	0	1	CIRCULAR	0.12358	ABS	4.19	0.11	8.48	0.23	17.59	0.48
ST-MAI-443	3	0	1	CIRCULAR	0.0162	RCP	65.94	0.78	117.55	1.38	121.4	1.43
ST-MAI-444	2	0	1	CIRCULAR	0.07062	CMP	0.76	0.02	1.32	0.04	44.96	1.38
ST-MAI-445	4	0	1	CIRCULAR	0.01712	RCP	72.36	0.38	128.25	0.68	187.21	1
ST-MAI-446	4	0	1	CIRCULAR	0.03356	RCP	56.16	0.21	104.15	0.4	174.88	0.66
ST-MAI-447	4	0	1	CIRCULAR	0.00678	RCP	56.23	0.48	104.3	0.88	170.28	1.44
ST-MAI-448	4	0	1	CIRCULAR	0.0181	RCP	54.24	0.28	99.92	0.52	167.17	0.87
ST-MAI-449	1	0	1	CIRCULAR	0.05178	RCP	3.73	0.46	6.69	0.83	10.15	1.25
ST-MAI-452	3	0	1	CIRCULAR	0.03747	RCP	25.2	0.2	44.52	0.34	81.02	0.63
ST-MAI-453	1.5	0	1	CIRCULAR	0.0509	CMP	5.4	0.42	10.37	0.81	18.44	1.44
ST-MAI-454	3	0	1	CIRCULAR	0.09784	CMP	10.57	0.09	19.17	0.17	34.9	0.31
ST-MAI-455	6	0	1	CIRCULAR	0.03933	RCP	25.18	0.03	44.73	0.05	81.42	0.1
ST-MAI-456	1.5	0	1	CIRCULAR	0.01682	ABS	2.78	0.2	4.75	0.35	7.91	0.58
ST-MAI-457	1.5	0	1	CIRCULAR	0.2452	ABS	2.77	0.05	4.74	0.09	7.89	0.15
ST-MAI-458	1.5	0	1	CIRCULAR	0.02226	ABS	5.64	0.36	9.75	0.62	16.34	1.04
ST-MAI-459	1.5	0	1	CIRCULAR	0.06198	ABS	5.63	0.22	9.73	0.37	16.33	0.62
ST-MAI-46	1.5	0	1	CIRCULAR	0.00607	ABS	4.86	0.59	9.31	1.14	14.43	1.76
ST-MAI-461	6	0	1	CIRCULAR	0.01527	RCP	25.28	0.05	78.06	0.15	197.89	0.38
ST-MAI-462	3	0	1	CIRCULAR	0.06046	RCP	19.37	0.12	34.35	0.21	60.54	0.37
ST-MAI-463	3	0	1	CIRCULAR	0.0082	RCP	19.39	0.32	34.32	0.57	60.39	1
ST-MAI-464	3	0	1	CIRCULAR	0.10425	RCP	11.44	0.05	20.74	0.1	37.11	0.17
ST-MAI-467	1.5	0	1	CIRCULAR	0.00806	CMP	6.55	1.28	9.47	1.85	13.38	2.62
ST-MAI-468	1	3	1	PARABOLIC	0.02293	Concrete	0.11	0.01	0.17	0.01	0.28	0.02
ST-MAI-469	1	3	1	PARABOLIC	0.07433	Concrete	0.19	0.01	0.31	0.01	0.5	0.02
ST-MAI-47	2	0	1	CIRCULAR	0.01033	CMP	10.59	0.85	15.9	1.28	17.15	1.38
ST-MAI-470	1	3	1	PARABOLIC	0.07132	Concrete	0.16	0.01	0.24	0.01	0.37	0.01
ST-MAI-471	1.5	0	1	CIRCULAR	0.02264	RCP	1.34	0.09	2.45	0.16	4.03	0.25
ST-MAI-472	2	0	1	CIRCULAR	0.00901	RCP	9.61	0.45	17.25	0.8	25.43	1.18
ST-MAI-473	2	0	1	CIRCULAR	0.03829	RCP	17.2	0.39	31.14	0.7	47.57	1.07
ST-MAI-474	2	0	1	CIRCULAR	0.04249	RCP	17.19	0.37	31.11	0.67	44.34	0.95
ST-MAI-475	2	0	1	CIRCULAR	0.00322	RCP	8.83	0.69	16.18	1.26	27.69	2.16
ST-MAI-477	1	3	1	PARABOLIC	0.02076	Concrete	0.11	0.01	0.2	0.01	0.32	0.02
ST-MAI-478	1	3	1	PARABOLIC	0.00495	Earthen	0.73	0.32	1.4	0.61	2.09	0.91
ST-MAI-479	1	3	1	PARABOLIC	0.18781	Concrete	0.09	0	0.15	0	0.24	0.01
ST-MAI-48	2	0	1	CIRCULAR	0.01891	CMP	9.35	0.55	15.07	0.89	17.9	1.06
ST-MAI-480	1	3	1	PARABOLIC	0.03288	Concrete	0.18	0.01	0.31	0.02	0.49	0.03
ST-MAI-481	2	0	1	CIRCULAR	0.21715	Concrete	2.97	0.04	5.38	0.07	9.21	0.13
ST-MAI-482	1	3	1	PARABOLIC	0.23712	Concrete	0	0	0	0	0	0
ST-MAI-483	1.5	0	1	CIRCULAR	0.00435	ABS	7.03	1.02	12.4	1.79	13.15	1.9
ST-MAI-484	0.5	0	1	CIRCULAR	0.05823	ABS	0	0	0	0	0	0
ST-MAI-485	0.5	0	1	CIRCULAR	0.01097	ABS	0.02	0.04	0.04	0.07	0.06	0.1
ST-MAI-486	1	3	1	PARABOLIC	0.03529	Concrete	0.07	0	0.11	0.01	0.18	0.01
ST-MAI-487	1.5	0	1	CIRCULAR	0.03299	RCP	1.27	0.07	2.31	0.12	3.84	0.2

Existing Condition Storm Conveyance Results Summary Table

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Facility ID	D' or H' (diameter) or (height)	B' (width)	Barrels	Shape	Slope (ft/ft)	Material	Q_{con} (2-year) (cfs)	Qcon vs Qcap	Q_{con} (10-year) (cfs)	Qcon vs Qcap3	Q_{con} (100-year) (cfs)	Qcon vs Qcap7
ST-MAI-488	1.5	0	1	CIRCULAR	0.0967	RCP	1.36	0.04	2.55	0.08	4.32	0.13
ST-MAI-489	1.5	0	1	CIRCULAR	0.04935	ABS	2.18	0.09	3.98	0.17	6.6	0.28
ST-MAI-49	3	0	1	CIRCULAR	0.01085	CMP	19.28	0.51	22.16	0.59	22.44	0.6
ST-MAI-490	1	3	1	PARABOLIC	0.10272	Concrete	0.7	0.02	1.21	0.04	1.95	0.06
ST-MAI-491	1.5	0	1	CIRCULAR	0.0152	RCP	0.84	0.06	1.53	0.12	2.5	0.19
ST-MAI-492	1	3	1	PARABOLIC	0.31425	Concrete	0.08	0	0.12	0	0.18	0
ST-MAI-493	1	3	1	PARABOLIC	0.16378	Concrete	0.53	0.01	1.06	0.03	1.78	0.04
ST-MAI-494	1	3	1	PARABOLIC	0.04039	Concrete	0.23	0.01	0.45	0.02	0.75	0.04
ST-MAI-497	1.5	0	1	CIRCULAR	0.0219	CMP	4.46	0.53	7.87	0.93	7.47	0.89
ST-MAI-498	1.5	0	1	CIRCULAR	0.01514	CMP	5.57	0.8	8.06	1.15	7.12	1.02
ST-MAI-499	1.25	0	1	CIRCULAR	0.01978	CMP	4.31	0.88	5.24	1.06	5.41	1.1
ST-MAI-5	1.5	0	1	CIRCULAR	0.00456	HDPE	4.05	0.57	6.91	0.97	10.37	1.46
ST-MAI-50	3	0	1	CIRCULAR	0.03154	CONC	26.6	0.22	44.87	0.38	74.28	0.63
ST-MAI-501	1.5	0	1	CIRCULAR	0.10703	RCP	2.92	0.08	6.28	0.18	13.01	0.38
ST-MAI-502	4	0	1	CIRCULAR	0.00646	RCP	37.67	0.33	69.77	0.6	121.62	1.05
ST-MAI-503	4	0	1	CIRCULAR	0.00902	RCP	50.3	0.37	92.66	0.68	155.47	1.14
ST-MAI-504	4	0	1	CIRCULAR	0.0122	RCP	51.22	0.32	94.15	0.59	157.26	0.99
ST-MAI-505	4	0	1	CIRCULAR	0.00327	RCP	18.78	0.23	32.39	0.39	60.19	0.73
ST-MAI-506	2.25	0	1	CIRCULAR	0.0409	ABS	3.16	0.05	6.13	0.1	11.41	0.18
ST-MAI-507	2	0	1	CIRCULAR	0.02557	ABS	1.34	0.04	2.32	0.06	3.86	0.11
ST-MAI-508	2	0	1	CIRCULAR	0.01378	ABS	1.3	0.05	2.26	0.09	3.77	0.14
ST-MAI-509	1.5	0	1	CIRCULAR	0.15746	CMP	1.36	0.06	2.37	0.1	3.9	0.17
ST-MAI-51	3.5	0	1	CIRCULAR	0.06161	CMP	24.1	0.18	32.96	0.24	41.63	0.31
ST-MAI-511	1	3	1	PARABOLIC	0.01145	CONC	2.34	0.15	3.35	0.21	5.27	0.33
ST-MAI-512	1.5	0	1	CIRCULAR	0.00884	CMP	2.31	0.43	4.13	0.77	6.57	1.23
ST-MAI-513	0.92	2.67	1	RECT_CLOSED	0.00802	RCB	2.54	0.21	4.58	0.37	7.24	0.59
ST-MAI-515	1.5	0	1	CIRCULAR	0.00666	CMP	10.89	2.34	12.25	2.64	11.59	2.5
ST-MAI-516	1	1.5	1	PARABOLIC	0.03101	CONC	10.99	1.04	12.15	1.15	13.42	1.27
ST-MAI-519	1.5	0	1	CIRCULAR	0.07756	RCP	7.03	0.24	7.39	0.25	7.59	0.26
ST-MAI-52	3	0	1	CIRCULAR	0.05399	SP	16.85	0.2	30.06	0.36	36.11	0.43
ST-MAI-520	1	3	1	PARABOLIC	0.02734	CONC	0.55	0.02	0.99	0.04	1.6	0.06
ST-MAI-521	0.33	0	1	CIRCULAR	0.13726	HDPE	0.7	1.02	0.67	0.98	0.67	0.98
ST-MAI-522	2	0	1	CIRCULAR	0.00492	RCP	15.99	1.01	17.46	1.1	15.64	0.99
ST-MAI-523	3	0	1	CIRCULAR	0.01641	RCP	28.47	0.33	43.75	0.51	43.82	0.51
ST-MAI-524	3	0	1	CIRCULAR	0.00819	RCP	69.89	1.16	79.64	1.32	81.72	1.35
ST-MAI-525	3	0	1	CIRCULAR	0.03748	RCP	67.87	0.53	79.49	0.62	81.39	0.63
ST-MAI-526	3.5	0	1	CIRCULAR	0.00833	RCP	75.13	0.82	79.51	0.87	77.57	0.84
ST-MAI-527	2	0	1	CIRCULAR	0.00403	RCP	19	1.32	20.81	1.45	18.66	1.3
ST-MAI-528	3	0	1	CIRCULAR	0.02132	RCP	4.78	0.05	8.57	0.09	15.21	0.16
ST-MAI-529	3	0	1	CIRCULAR	0.05786	RCP	18.07	0.11	32.36	0.2	57.54	0.36
ST-MAI-53	1.5	0	1	CIRCULAR	0.09632	RCP	8.01	0.25	13.75	0.42	21.16	0.65
ST-MAI-530	3	0	1	CIRCULAR	0.03919	RCP	17.99	0.14	32.23	0.24	57.63	0.44
ST-MAI-531	3	0	1	CIRCULAR	0.01655	RCP	17.86	0.21	31.66	0.37	57.12	0.67
ST-MAI-533	3	0	1	CIRCULAR	0.03188	RCP	25.27	0.21	42.77	0.36	77.88	0.65
ST-MAI-534	3	0	1	CIRCULAR	0.00483	RCP	24.41	0.53	42.48	0.92	93.51	2.02
ST-MAI-535	3	0	1	CIRCULAR	0.01531	RCP	13.83	0.17	22.83	0.28	38.42	0.47
ST-MAI-536	3	0	1	CIRCULAR	0.07015	RCP	13.13	0.07	23.55	0.13	41.95	0.24
ST-MAI-538	1	5.5	1	PARABOLIC	0.01489	ASPHALT	0.21	0.01	0.34	0.01	0.53	0.02
ST-MAI-539	1.5	0	1	CIRCULAR	0.01333	CMP	11.39	1.73	11.39	1.73	11.41	1.74
ST-MAI-540	1.5	0	1	CIRCULAR	0.05245	CMP	12.3	0.94	12.72	0.98	12.84	0.99
ST-MAI-541	1.5	0	1	CIRCULAR	0.02697	HDPE	9.49	0.55	9.65	0.56	9.81	0.57
ST-MAI-542	1.5	0	1	CIRCULAR	0.01712	HDPE	16.25	1.18	16.58	1.21	16.68	1.21
ST-MAI-543	1	0	1	CIRCULAR	0.00358	ABS	4.5	2.11	4.49	2.11	4.49	2.1
ST-MAI-544	1.5	0	1	CIRCULAR	0.00366	CMP	9.36	2.72	9.38	2.73	9.4	2.73
ST-MAI-548	1.5	0	1	CIRCULAR	0.04081	RCP	5.22	0.25	7.1	0.33	19.12	0.9
ST-MAI-549	1.5	0	1	CIRCULAR	0.01746	RCP	5.99	0.43	8.82	0.64	14.27	1.03

Existing Condition Storm Conveyance Results Summary Table

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Facility ID	D' or H' (diameter) or (height)	B' (width)	Barrels	Shape	Slope (ft/ft)	Material	Q_{con} (2-year) (cfs)	Qcon vs Qcap	Q_{con} (10-year) (cfs)	Qcon vs Qcap3	Q_{con} (100-year) (cfs)	Qcon vs Qcap7
ST-MAI-54a	1.5	0	1	CIRCULAR	0.04267	RCP	7	0.32	6.37	0.29	11.88	0.55
ST-MAI-54b	1.5	0	1	CIRCULAR	0.36144	RCP	2.4	0.04	3.72	0.06	5.53	0.09
ST-MAI-55	0	0	1	IRREGULAR	0.01301	CONC	305.17	0.11	535.07	0.19	1051.18	0.37
ST-MAI-550	1.5	0	1	CIRCULAR	0.02067	RCP	7.37	0.49	10.71	0.71	14.65	0.97
ST-MAI-551	1.5	0	1	CIRCULAR	0.01369	RCP	10.78	0.88	15.98	1.3	16.51	1.34
ST-MAI-552	2	0	1	CIRCULAR	0.00701	CMP	10.63	1.04	15.22	1.48	15.57	1.52
ST-MAI-553	1.5	0	1	CIRCULAR	0.0427	HDPE	2.14	0.1	2.9	0.13	3.65	0.17
ST-MAI-554	1.5	0	1	CIRCULAR	0.02612	CMP	8.83	0.96	8.95	0.97	8.98	0.98
ST-MAI-556	0	0	1	IRREGULAR	0.01988	EAR	7.24	0	11.9	0	19.94	0
ST-MAI-557	1	3	1	PARABOLIC	0.02879	EAR	0	0	0	0	0	0
ST-MAI-559	1	3	1	PARABOLIC	0.15859	Concrete	0.12	0	0.22	0.01	0.35	0.01
ST-MAI-56	3.5	0	1	CIRCULAR	0.00199	RCP	36.41	0.81	53.07	1.18	59.05	1.32
ST-MAI-560	4	5	1	HORIZ_ELLIPSE	0.00131	CMP	144.75	2.78	153.3	2.94	157.39	3.02
ST-MAI-561	3	5	1	HORIZ_ELLIPSE	0.00422	CMP	143.58	3.31	151.95	3.5	154.32	3.55
ST-MAI-562	4	5	1	HORIZ_ELLIPSE	0.13693	CMP	143.73	0.27	152.12	0.29	154.65	0.29
ST-MAI-563	3	5	1	CIRCULAR	0.05677	CMP	92.93	1.08	92.05	1.07	90.8	1.05
ST-MAI-564	3	0	1	CIRCULAR	0.00352	CMP	45.28	2.11	44.36	2.07	43.68	2.04
ST-MAI-565	3	0	1	CIRCULAR	0.01661	CMP	41.04	0.88	40.85	0.88	40.35	0.87
ST-MAI-566	2	0	1	CIRCULAR	0.02256	CMP	14.34	0.78	16.04	0.87	17	0.92
ST-MAI-567	2	0	1	CIRCULAR	0.04862	PVC	6.38	0.13	11.31	0.23	18.97	0.38
ST-MAI-568	1.5	0	1	CIRCULAR	0.00483	CMP	0.63	0.16	1.06	0.27	1.68	0.42
ST-MAI-569	1.5	0	1	CIRCULAR	0.07683	RCP	3.12	0.11	5.2	0.18	8.24	0.28
ST-MAI-57	4	0	1	CIRCULAR	0.00776	CMP	88.43	1.29	89.38	1.3	90.11	1.31
ST-MAI-570	1.5	0	1	CIRCULAR	0.3513	RCP	3.41	0.05	5.67	0.09	8.99	0.14
ST-MAI-571	2	0	1	CIRCULAR	0.01352	RCP	40.73	1.55	43.77	1.66	46.63	1.77
ST-MAI-572	3	5	1	RECT_CLOSED	0.01171	CMP	79.27	0.82	79.24	0.82	74.84	0.78
ST-MAI-573	2	6	1	RECT_CLOSED	0.02261	RCB	79.26	0.47	79.24	0.47	74.85	0.44
ST-MAI-574	0.5	0	1	CIRCULAR	0.01132	PVC	1.54	2.59	1.51	2.53	1.48	2.47
ST-MAI-575	3	0	1	CIRCULAR	0.02844	RCP	56.59	0.5	83.12	0.74	101.81	0.91
ST-MAI-576	1.5	0	1	CIRCULAR	0.01439	CMP	0.04	0.01	3.31	0.49	8.17	1.2
ST-MAI-577	1.5	0	1	CIRCULAR	0.04342	CMP	11.1	0.94	11.59	0.98	10.68	0.9
ST-MAI-578	2.75	0	1	CIRCULAR	0.01865	RCP	45.27	0.63	55.51	0.77	55.76	0.77
ST-MAI-579	1.5	0	1	CIRCULAR	0.10633	CMP	0	0	0	0	0	0
ST-MAI-58	4	0	1	CIRCULAR	0.00575	RCP	60.82	0.56	80.17	0.74	94.78	0.87
ST-MAI-580	1.5	0	1	CIRCULAR	0.01936	CMP	4.69	0.59	7.89	1	11.57	1.46
ST-MAI-581	1.5	0	1	CIRCULAR	0.06851	CMP	6.4	0.43	10.68	0.72	15.89	1.07
ST-MAI-583	0.67	0	1	CIRCULAR	0.03324	ABS	0	0	0	0	0	0
ST-MAI-587	2	0	1	CIRCULAR	0.00743	RCP	14.67	0.75	26.9	1.38	43.79	2.25
ST-MAI-588	1.5	0	1	CIRCULAR	-0.02002	RCP	0.17	0.01	2.66	0.18	5.9	0.4
ST-MAI-589	1.25	0	1	CIRCULAR	0	SP	9.02	27.24	9.14	27.61	9	27.19
ST-MAI-59	2.5	0	1	CIRCULAR	0.02058	RCP	7.9	0.13	14.48	0.25	25.6	0.44
ST-MAI-590	1.75	0	1	CIRCULAR	0.00752	SP	10.51	1.41	10.97	1.47	10.98	1.48
ST-MAI-591	2	0	1	CIRCULAR	0.0369	HDPE	17.92	0.41	30.52	0.7	32.8	0.75
ST-MAI-592	2	0	1	CIRCULAR	0.01465	HDPE	17.6	0.64	29.64	1.08	31.78	1.16
ST-MAI-593	1	0	1	CIRCULAR	0.07241	HDPE	0.63	0.07	1.06	0.11	1.78	0.19
ST-MAI-594	2	0	1	CIRCULAR	0.0205	RCP	17.01	0.53	29.37	0.91	32.56	1.01
ST-MAI-595	2	0	1	CIRCULAR	0.02143	RCP	9.42	0.28	15.73	0.47	22.8	0.69
ST-MAI-596	1	0	1	CIRCULAR	0.01468	RCP	5.26	1.22	6.96	1.61	7.07	1.64
ST-MAI-597	1	0	1	CIRCULAR	0.0449	ABS	0.86	0.11	1.31	0.17	2.09	0.28
ST-MAI-598	1.5	0	1	CIRCULAR	0.01632	RCP	8.67	0.65	14.51	1.08	21.1	1.57
ST-MAI-599	1.5	0	1	CIRCULAR	0.00337	RCP	2.5	0.41	4.37	0.72	7.08	1.16
ST-MAI-6	1.5	0	1	CIRCULAR	0.19239	HDPE	0.62	0.01	0.96	0.02	1.47	0.03
ST-MAI-60	2	0	1	CIRCULAR	0.01358	CMP	5.58	0.39	6.46	0.45	6.3	0.44
ST-MAI-600	1.5	0	1	CIRCULAR	0.00462	RCP	2.77	0.39	4.81	0.67	7.74	1.08
ST-MAI-601	1.5	0	1	CIRCULAR	0.00992	RCP	2.7	0.26	4.83	0.46	7.63	0.73
ST-MAI-602	1.5	0	1	CIRCULAR	0.01926	RCP	2.76	0.19	4.95	0.34	7.63	0.52

Existing Condition Storm Conveyance Results Summary Table

Conveyance Info	Dimensions						2-year		10-year		100-year	
Facility ID	D' or H' (diameter) or (height)	B' (width)	Barrels	Shape	Slope (ft/ft)	Material	Q_{con} (2-year) (cfs)	Qcon vs Qcap	Q_{con} (10-year) (cfs)	Qcon vs Qcap3	Q_{con} (100-year) (cfs)	Qcon vs Qcap7
ST-MAI-603	2	0	1	CIRCULAR	0.0127	RCP	11.49	0.45	20.21	0.79	30.42	1.19
ST-MAI-604	2	0	1	CIRCULAR	0.03828	RCP	9.98	0.23	17.98	0.41	29.45	0.67
ST-MAI-605	2.5	0	1	CIRCULAR	0.0025	RCP	0.47	0.02	0.96	0.05	1.35	0.07
ST-MAI-607	3.5	0	1	CIRCULAR	0.00103	CMP	8.92	0.51	10.12	0.58	11.32	0.65
ST-MAI-608	1.25	0	1	CIRCULAR	0.03355	SP	8.91	1.39	10.09	1.57	11.31	1.76
ST-MAI-609	2.5	0	1	CIRCULAR	0.01792	RCP	0	0	0.3	0.01	0.68	0.01
ST-MAI-61	1.5	0	1	CIRCULAR	0.03195	RCP	17.43	0.93	17.65	0.94	17.5	0.93
ST-MAI-610	2.5	0	1	CIRCULAR	0.03125	RCP	0	0	0	0	0	0
ST-MAI-611	2.5	0	1	CIRCULAR	0.00867	RCP	17.52	0.46	16.99	0.44	17.47	0.46
ST-MAI-612	2.5	0	1	CIRCULAR	0.11215	RCP	3.86	0.03	6.23	0.05	8.57	0.06
ST-MAI-613	1.5	0	1	CIRCULAR	0.03885	CMP	7.75	0.69	7.77	0.69	7.76	0.69
ST-MAI-614	2	0	1	CIRCULAR	0.00731	CMP	11.67	1.11	11.45	1.09	10.71	1.02
ST-MAI-615	2	0	1	CIRCULAR	0.00581	RCP	28.55	1.66	29.83	1.73	29.72	1.72
ST-MAI-620	1.5	0	1	CIRCULAR	0.01189	RCP	4.12	0.36	7.42	0.65	12.19	1.06
ST-MAI-621	1	0	1	CIRCULAR	0.01529	RCP	5.71	1.3	5.67	1.29	5.65	1.28
ST-MAI-622	1.5	0	1	CIRCULAR	0.02304	RCP	0.74	0.05	1.39	0.09	2.43	0.15
ST-MAI-623	1	0	1	CIRCULAR	0.03061	PVC	0.2	0.03	0.45	0.07	0.92	0.15
ST-MAI-624	1.5	0	1	CIRCULAR	0.01932	RCP	4.02	0.28	6.78	0.46	10.44	0.72
ST-MAI-626	1	0	1	CIRCULAR	0.01945	PVC	8.89	1.79	10.14	2.04	10.43	2.1
ST-MAI-627	1.5	0	1	CIRCULAR	0.00379	HDPE	0.87	0.13	1.56	0.24	2.65	0.41
ST-MAI-628	1.5	0	1	CIRCULAR	0.00328	RCP	9.65	1.6	11.56	1.92	12.9	2.15
ST-MAI-629	2	0	1	CIRCULAR	0.0285	RCB	16.97	0.44	29.82	0.78	53.5	1.4
ST-MAI-62a	2	0	1	CIRCULAR	0.02354	RCP	15.31	0.44	26	0.75	32.69	0.94
ST-MAI-62b	2	0	1	CIRCULAR	0.03063	RCP	17.21	0.43	29.43	0.74	35.05	0.89
ST-MAI-630	2.5	0	1	CIRCULAR	0.01699	CMP	17	0.59	29.86	1.03	53.49	1.85
ST-MAI-631	1.5	0	1	CIRCULAR	0.01088	ABS	21.8	1.99	22.04	2.01	22	2.01
ST-MAI-632	4	0	1	CIRCULAR	0.01269	RCP	96.76	0.6	124.05	0.77	137.57	0.85
ST-MAI-633	1.5	0	1	CIRCULAR	0.00444	CMP	2.04	0.54	3.55	0.94	5.75	1.52
ST-MAI-634	1.25	0	1	CIRCULAR	0.05891	ABS	4.21	0.27	7.33	0.47	11.97	0.76
ST-MAI-635	1.25	0	1	CIRCULAR	0.0115	ABS	5.05	0.73	8.96	1.29	13.61	1.96
ST-MAI-636	6	0	1	CIRCULAR	0.00803	RCP	130.3	0.34	221.71	0.58	366.55	0.97
ST-MAI-637	1.5	0	1	CIRCULAR	0.05139	RCP	1.51	0.06	2.9	0.12	14.2	0.6
ST-MAI-638	2.5	0	1	CIRCULAR	0.05264	RCP	3.14	0.03	7.68	0.08	31.52	0.33
ST-MAI-639	6	0	1	CIRCULAR	0.04159	RCP	2.81	0	4	0	19.18	0.02
ST-MAI-63a	2.5	0	1	CIRCULAR	0.05905	CONC	13.99	0.14	25.39	0.25	45.9	0.46
ST-MAI-63b	2.5	0	1	CIRCULAR	0.00317	CONC	14.54	0.63	27.79	1.2	50.77	2.2
ST-MAI-640	6	0	1	CIRCULAR	0.00316	RCP	133.07	0.56	241.23	1.01	368.49	1.55
ST-MAI-641	1.5	0	1	CIRCULAR	0.13892	RCP	8	0.2	14.2	0.36	27.54	0.7
ST-MAI-642	6	0	1	CIRCULAR	0.00623	RCP	134.21	0.4	228.89	0.68	363.87	1.09
ST-MAI-643	4.5	0	1	CIRCULAR	0.01699	RCP	138.99	0.54	235.29	0.92	297.18	1.16
ST-MAI-644	6	0	1	CIRCULAR	0.00709	RCB	138.89	0.39	235.3	0.66	355.79	1
ST-MAI-645	2.5	0	1	CIRCULAR	0.06048	CMP	15.34	0.28	31.92	0.58	34.35	0.63
ST-MAI-646	2.5	0	1	CIRCULAR	0.01602	CMP	15.89	0.57	32.2	1.15	35.48	1.26
ST-MAI-647	2	0	1	CIRCULAR	0.02815	RCP	17.16	0.45	33.07	0.87	37.99	1
ST-MAI-648	2	0	1	CIRCULAR	0.02162	CMP	18.9	1.05	18.79	1.04	18.89	1.05
ST-MAI-649	2	0	1	CIRCULAR	0.01984	RCP	26.99	0.85	33.47	1.05	33.8	1.06
ST-MAI-65	3	0	1	CIRCULAR	0.00573	RCP	55.63	1.1	83.12	1.65	101.53	2.01
ST-MAI-650	2	0	1	CIRCULAR	0.00814	CMP	17.09	1.55	17.15	1.55	17.15	1.55
ST-MAI-651	1.5	0	1	CIRCULAR	0.03267	CMP	17.16	1.67	17.14	1.67	17.15	1.67
ST-MAI-652	2.5	0	1	CIRCULAR	0.00291	RCP	20.97	0.95	21.06	0.95	19.95	0.9
ST-MAI-653	4.5	0	1	CIRCULAR	0.01999	RCP	119.95	0.43	146.23	0.53	154.9	0.56
ST-MAI-654	0	0	1	IRREGULAR	0.02502	EAR	124.17	0.01	142.63	0.01	164.61	0.01
ST-MAI-655	4.5	0	1	CIRCULAR	0.00112	RCP	101.09	1.54	133.59	2.03	172.71	2.62
ST-MAI-656	2.5	0	1	CIRCULAR	0.02275	RCP	119.98	1.94	146.48	2.37	155.34	2.51
ST-MAI-657	2	0	1	CIRCULAR	0.00637	CMP	5.14	0.53	17.71	1.81	19.58	2
ST-MAI-658	2	0	1	CIRCULAR	0.02738	RCP	23.52	0.63	37.01	0.99	39.13	1.05

Existing Condition Storm Conveyance Results Summary Table

Conveyance Info	Dimensions						2-year		10-year		100-year	
Facility ID	D' or H' (diameter) or (height)	B' (width)	Barrels	Shape	Slope (ft/ft)	Material	Q_{con} (2-year) (cfs)	Qcon vs Qcap	Q_{con} (10-year) (cfs)	Qcon vs Qcap3	Q_{con} (100-year) (cfs)	Qcon vs Qcap7
ST-MAI-659	1	3	1	PARABOLIC	0.02251	ASPHALT	5.6	0.3	9.3	0.51	10.1	0.55
ST-MAI-66	2	0	1	CIRCULAR	0.02474	CMP	10.6	0.55	16.93	0.88	18.53	0.96
ST-MAI-663	1	0	1	CIRCULAR	0.06675	ABS	4.08	0.44	7.26	0.79	10.01	1.09
ST-MAI-664	2	0	1	CIRCULAR	0.01744	HDPE	14.38	0.48	24.16	0.81	26.52	0.89
ST-MAI-665	1.5	0	1	CIRCULAR	0.01806	HDPE	1.41	0.1	2.52	0.18	4.14	0.29
ST-MAI-666	1.5	0	1	CIRCULAR	0.03489	HDPE	1.4	0.07	2.5	0.13	4.11	0.21
ST-MAI-667	2	0	1	CIRCULAR	0.00705	HDPE	9.18	0.48	15.57	0.82	17.59	0.93
ST-MAI-668	1	0	1	CIRCULAR	0.1717	HDPE	1.22	0.08	2.12	0.14	4.29	0.29
ST-MAI-669	1	0	1	CIRCULAR	0.02095	HDPE	6.02	1.17	6.07	1.18	6.1	1.18
ST-MAI-67	1.75	0	1	CIRCULAR	0.09901	CMP	10.54	0.39	18.44	0.68	28.38	1.05
ST-MAI-670	1.5	0	1	CIRCULAR	0.01308	RCP	5.75	0.48	11.13	0.93	12.23	1.02
ST-MAI-671	1	0	1	CIRCULAR	0.05481	ABS	2.41	0.29	4.78	0.57	5.24	0.63
ST-MAI-672	1.5	0	1	CIRCULAR	0.01369	RCP	3.22	0.26	5.66	0.46	7.84	0.64
ST-MAI-673	1.5	0	1	CIRCULAR	0.01785	CMP	3.2	0.42	5.2	0.68	7.94	1.04
ST-MAI-674	2	0	1	CIRCULAR	0.02373	CMP	9.56	0.51	15.07	0.8	18.65	0.99
ST-MAI-675	1.5	0	1	CIRCULAR	0.02559	CMP	2.52	0.28	4.4	0.48	5.85	0.64
ST-MAI-676	2.5	0	1	CIRCULAR	0.02648	CMP	20.41	0.56	32.34	0.89	41.4	1.15
ST-MAI-677	2.5	0	1	CIRCULAR	0.03535	CMP	20.35	0.49	32.27	0.77	43.56	1.04
ST-MAI-678	2.5	0	1	CIRCULAR	0.00714	RCP	20.3	0.59	32.17	0.93	43.76	1.26
ST-MAI-679	2.5	0	1	CIRCULAR	0.00711	RCP	58.41	1.69	85.62	2.48	119.1	3.44
ST-MAI-680	3	0	1	CIRCULAR	0.08274	RCP	63.3	0.33	104.1	0.54	156.4	0.82
ST-MAI-681	1.5	0	1	CIRCULAR	0.00819	CMP	1.48	0.29	2.61	0.51	4.36	0.85
ST-MAI-682	1.5	0	1	CIRCULAR	0.00287	CMP	2.13	0.7	3.78	1.24	6.24	2.05
ST-MAI-683	1	3	1	RECT_CLOSED	-0.004	RCB	2.7	0.24	4.51	0.4	6.32	0.56
ST-MAI-686	1.5	0	1	CIRCULAR	0.03087	HDPE	3.72	0.2	6.14	0.33	7.22	0.39
ST-MAI-687	3.5	0	1	CIRCULAR	0.0312	CMP	0.06	0	0.09	0	0.14	0
ST-MAI-688	3.5	0	1	CIRCULAR	0.03948	CMP	11.4	0.11	20.36	0.19	35.16	0.32
ST-MAI-69	3	0	1	CIRCULAR	0.00689	CMP	29.56	0.99	29.63	0.99	29.68	0.99
ST-MAI-690	1.5	0	1	CIRCULAR	0.03258	RCP	3.39	0.18	6.56	0.35	10.46	0.55
ST-MAI-691	1	3	1	PARABOLIC	0.07889	Concrete	0.27	0.01	0.44	0.02	0.7	0.02
ST-MAI-693	1	3	1	PARABOLIC	0.05771	Concrete	0.05	0	0.1	0	0.19	0.01
ST-MAI-694	1	0	1	CIRCULAR	0.00581	ABS	0.58	0.21	0.86	0.32	1.96	0.72
ST-MAI-695	1	0	1	CIRCULAR	0.00402	ABS	3.28	1.45	4.92	2.18	5.11	2.26
ST-MAI-696	1	0	1	CIRCULAR	0.04015	ABS	5.02	0.7	4.75	0.67	4.54	0.64
ST-MAI-697	1.5	0	1	CIRCULAR	0.00851	RCP	7.64	0.79	9.25	0.95	10.09	1.04
ST-MAI-698	1	0	1	CIRCULAR	0.0111	HDPE	6.62	1.76	6.73	1.79	6.83	1.82
ST-MAI-700	1.5	0	1	CIRCULAR	0.01417	RCP	2.35	0.19	3.83	0.31	7.91	0.63
ST-MAI-701	1.5	0	1	CIRCULAR	0.05023	CMP	7.37	0.58	12.87	1.01	13	1.02
ST-MAI-702	1.5	0	1	CIRCULAR	0.01876	CMP	10.28	1.32	15.68	2.01	16.47	2.11
ST-MAI-704	0.67	0	1	CIRCULAR	0.01477	VCP	1.39	1.01	1.5	1.09	1.6	1.16
ST-MAI-705	2	4	1	RECT_OPEN	0.00572	Earthen	1.89	0.13	4.18	0.28	6.39	0.43
ST-MAI-707	1	0	1	CIRCULAR	0.01031	RCP	3.5	0.97	4.45	1.23	4.52	1.25
ST-MAI-708	1	0	1	CIRCULAR	0.01128	HDPE	4.58	1.21	4.62	1.22	4.67	1.23
ST-MAI-709	0	0	1	IRREGULAR	0.03569	EAR	0.19	0	0.19	0	0.2	0
ST-MAI-70a	3	0	1	CIRCULAR	0.0586	RCP	0.97	0.01	1.61	0.01	2.59	0.02
ST-MAI-71	1.5	0	1	CIRCULAR	0.08646	RCP	15.7	0.51	28.2	0.91	33.14	1.07
ST-MAI-710a	0	0	1	IRREGULAR	0.04673	EAR	8.59	0	15.14	0	26.9	0
ST-MAI-710b	0	0	1	IRREGULAR	0.05244	EAR	8.59	0	15.34	0	27	0
ST-MAI-710c	1	3	1	PARABOLIC	0.06452	CONC	0	0	0	0	0	0
ST-MAI-711	1	3	1	PARABOLIC	0.07107	CONC	0.21	0.01	0.35	0.01	0.56	0.01
ST-MAI-713	2	0	1	CIRCULAR	0.00692	RCP	10.37	0.55	16.54	0.88	18.93	1.01
ST-MAI-714	2	0	1	CIRCULAR	0.03404	CMP	18.56	0.82	24.31	1.08	24.34	1.08
ST-MAI-715	2	0	1	CIRCULAR	0.03487	CMP	20.87	0.91	25.85	1.13	26.27	1.15
ST-MAI-716	1	0	1	CIRCULAR	0.07551	ABS	1.58	0.16	2.82	0.29	4.68	0.48
ST-MAI-717	1.25	0	1	CIRCULAR	0.23812	CMP	0.48	0.03	0.81	0.05	1.28	0.08
ST-MAI-718a	4	0	1	CIRCULAR	0.01979	RCP	33.81	0.17	51.68	0.26	73.5	0.36

Existing Condition Storm Conveyance Results Summary Table

Conveyance Info	Dimensions						2-year		10-year		100-year	
Facility ID	D' or H' (diameter) or (height)	B' (width)	Barrels	Shape	Slope (ft/ft)	Material	Q_{con} (2-year) (cfs)	Qcon vs Qcap	Q_{con} (10-year) (cfs)	Qcon vs Qcap3	Q_{con} (100-year) (cfs)	Qcon vs Qcap7
ST-MAI-718b	4	0	1	CIRCULAR	0.01982	RCP	33.82	0.17	51.53	0.25	73.21	0.36
ST-MAI-72	2	0	1	CIRCULAR	0.10128	CONC	4.13	0.06	6.81	0.09	11.02	0.15
ST-MAI-724	3	0	1	CIRCULAR	0.00692	RCP	15.28	0.28	27.54	0.5	46	0.83
ST-MAI-725	3	0	1	CIRCULAR	0.0085	RCP	15.27	0.25	27.45	0.45	45.99	0.75
ST-MAI-726	1.5	0	1	CIRCULAR	0.05279	RCP	1.59	0.07	2.84	0.12	4.76	0.2
ST-MAI-727	3	0	1	CIRCULAR	0.05562	RCP	17.35	0.11	31.42	0.2	52.95	0.34
ST-MAI-728	2.5	0	1	CIRCULAR	0.00673	RCP	21.26	0.63	39.23	1.17	64.7	1.92
ST-MAI-729	2.5	0	1	CIRCULAR	0.03092	RCP	23.44	0.32	43.24	0.6	68.63	0.95
ST-MAI-73	3.5	0	1	CIRCULAR	0.02696	RCP	23.36	0.14	41.44	0.25	55.44	0.34
ST-MAI-730	2.5	0	1	CIRCULAR	0.08306	RCP	28.68	0.24	52.95	0.45	80.24	0.68
ST-MAI-731	2.5	0	1	CIRCULAR	0.02342	RCP	33.05	0.53	60.31	0.96	85.88	1.37
ST-MAI-732	1	0	1	CIRCULAR	0.16796	CMP	0.12	0.01	0.18	0.02	0.28	0.04
ST-MAI-733	1.5	0	1	CIRCULAR	0.01787	RCP	9.33	0.66	16.34	1.16	16.34	1.16
ST-MAI-734	1	0	1	CIRCULAR	0.3433	RCP	0.28	0.01	0.45	0.02	0.71	0.03
ST-MAI-735	6	0	1	CIRCULAR	0.00529	RCP	116.94	0.38	138.67	0.45	159.23	0.52
ST-MAI-736	2.5	0	2	CIRCULAR	0.02311	RCP	130.17	1.04	130.21	1.04	130.39	1.05
ST-MAI-738	1.5	0	1	CIRCULAR	0.01451	CMP	14.32	2.09	14.31	2.09	14.33	2.09
ST-MAI-739	1.5	0	1	CIRCULAR	0.00414	CMP	16.94	4.62	17.02	4.65	16.99	4.64
ST-MAI-74	2.5	0	1	CIRCULAR	0.01415	RCP	53.23	1.09	81.36	1.67	92.36	1.89
ST-MAI-740	3.25	0	1	CIRCULAR	0.0385	RCP	29.87	0.18	54.51	0.34	60.66	0.37
ST-MAI-741	6	0	1	CIRCULAR	0.00408	RCP	115.61	0.43	311.67	1.15	344.74	1.27
ST-MAI-742	1	3	1	PARABOLIC	0.09321	EAR	0	0	0	0	0	0
ST-MAI-743	2.5	0	1	CIRCULAR	0.01089	RCP	54.18	1.27	55.97	1.31	57.54	1.34
ST-MAI-744	1.5	0	1	CIRCULAR	0.01124	CMP	2.99	0.5	4.33	0.72	2.7	0.45
ST-MAI-745	2	0	1	CIRCULAR	0.0107	CMP	8.72	0.69	10.35	0.82	7.8	0.62
ST-MAI-746	1.5	0	1	CIRCULAR	0.07895	CMP	2.53	0.16	4.5	0.28	7.46	0.47
ST-MAI-747a	4	0	1	CIRCULAR	0.01978	RCP	37.4	0.19	59.39	0.29	113.81	0.56
ST-MAI-747b	4	0	1	CIRCULAR	0.01978	RCP	37.49	0.19	58.9	0.29	85.61	0.42
ST-MAI-748	1	0	1	CIRCULAR	0.04044	HDPE	3.44	0.48	4.25	0.59	4.93	0.69
ST-MAI-75	0	0	1	IRREGULAR	0.01187	Earthen	537.3	0.08	884	0.14	1664.34	0.26
ST-MAI-750	4	0	1	CIRCULAR	0.01978	RCP	41.89	0.21	67.42	0.33	127.18	0.63
ST-MAI-753	4.5	0	1	CIRCULAR	0.01947	RCP	154.07	0.56	261.3	0.95	356.76	1.3
ST-MAI-755	4.5	0	1	CIRCULAR	0.02089	RCP	153.96	0.54	261.18	0.92	358.15	1.26
ST-MAI-756	2	0	1	CIRCULAR	0.03843	RCP	1.18	0.03	2.03	0.05	4.04	0.09
ST-MAI-757	6	0	1	CIRCULAR	0.00764	RCP	157.42	0.43	267.78	0.72	485.03	1.31
ST-MAI-758	1.5	0	1	CIRCULAR	0.04813	HDPE	7.19	0.31	15.25	0.66	22.11	0.96
ST-MAI-759	2	0	1	CIRCULAR	0.01396	HDPE	10.63	0.4	25.84	0.97	40.91	1.53
ST-MAI-76_1	0	0	1	IRREGULAR	0.01417	Earthen	551.4	0.37	911.75	0.61	1450.12	0.96
ST-MAI-76_3	0	0	1	IRREGULAR	0.01338	Earthen	537.86	0.37	896.82	0.61	1500.68	1.03
ST-MAI-76_4	0	0	1	IRREGULAR	-0.11433	Earthen	459.15	0.11	690.02	0.16	1043.23	0.24
ST-MAI-760	1	0	1	CIRCULAR	0.02166	CONC	3.29	0.63	5.16	0.98	4.74	0.9
ST-MAI-761	2	0	1	CIRCULAR	0.19098	HDPE	13.71	0.14	13.96	0.14	14.3	0.14
ST-MAI-762	1	0	1	CIRCULAR	0.00587	ABS	2.62	0.96	2.58	0.95	3.63	1.33
ST-MAI-763	1	0	1	CIRCULAR	0.0167	ABS	3.48	0.76	3.73	0.81	4.34	0.94
ST-MAI-764	1	0	1	CIRCULAR	0.00621	HDPE	1.27	0.45	2.24	0.8	3.45	1.23
ST-MAI-765	1	0	1	CIRCULAR	0.03881	HDPE	3.06	0.44	5.46	0.78	8.17	1.16
ST-MAI-766	0	0	1	IRREGULAR	0.00702	CONC	36.12	0	53.68	0	85.78	0
ST-MAI-767	0	0	1	IRREGULAR	0.01345	EAR	36.09	0	53.68	0	85.99	0.01
ST-MAI-768	0	0	1	IRREGULAR	0.00634	EAR	62.92	0.01	105.62	0.01	156.2	0.02
ST-MAI-771	1	3	1	PARABOLIC	0.01421	CONC	0.16	0.01	0.02	0	0.02	0
ST-MAI-772	1	0	1	CIRCULAR	0.0075	RCP	0.63	0.2	1.18	0.38	1.6	0.52
ST-MAI-773	1	0	1	CIRCULAR	0.00304	RCP	3.07	1.56	4.4	2.24	4.46	2.27
ST-MAI-774	2	6	1	TRIANGULAR	0.07367	CONC	1.11	0.01	1.93	0.01	3.14	0.02
ST-MAI-775	1.5	0	1	CIRCULAR	0.07777	CMP	6.57	0.41	13.01	0.82	18.87	1.19
ST-MAI-776	2.5	0	1	CIRCULAR	0.05451	RCP	28.81	0.3	42.52	0.44	57.63	0.6
ST-MAI-777	2.5	0	1	CIRCULAR	0.03714	RCP	29.83	0.38	45.01	0.57	59.92	0.76

Existing Condition Storm Conveyance Results Summary Table

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Facility ID	D' or H' (diameter) or (height)	B' (width)	Barrels	Shape	Slope (ft/ft)	Material	Q_{con} (2-year) (cfs)	Qcon vs Qcap	Q_{con} (10-year) (cfs)	Qcon vs Qcap3	Q_{con} (100-year) (cfs)	Qcon vs Qcap7
ST-MAI-779	1.5	0	1	CIRCULAR	0.01976	RCP	0.99	0.07	1.86	0.13	3.21	0.22
ST-MAI-77a	0	0	1	IRREGULAR	0.037	Earthen	542.83	0.05	909.66	0.08	1733.71	0.15
ST-MAI-77b	0	0	1	IRREGULAR	0.01391	Earthen	543.45	0.04	917.34	0.06	1772.89	0.12
ST-MAI-78	2.5	0	1	CIRCULAR	0.08056	CONC	3.92	0.03	12.38	0.11	28.8	0.25
ST-MAI-780	2.5	0	1	CIRCULAR	0.00486	RCP	30.89	1.08	47.21	1.65	57.66	2.02
ST-MAI-781	4	0	1	CIRCULAR	0.04831	RCP	45.39	0.14	68.32	0.22	98.41	0.31
ST-MAI-782	4	0	1	CIRCULAR	0.00818	RCP	29.64	0.23	44.16	0.34	59.88	0.46
ST-MAI-783	4.75	0	1	CIRCULAR	0.00854	CMP	209.63	1.84	235.02	2.07	252.74	2.22
ST-MAI-784	1.5	0	1	CIRCULAR	0.11696	CMP	24.36	1.25	24.47	1.26	24.43	1.26
ST-MAI-785	2	0	1	CIRCULAR	0.29333	CMP	4.17	0.06	15.71	0.24	35.13	0.53
ST-MAI-786	6.5	0	1	CIRCULAR	0.00849	RCP	175.39	0.36	320.5	0.66	466.53	0.97
ST-MAI-787	6	0	1	CIRCULAR	0.01041	CMP	61.41	0.26	124.82	0.53	255.95	1.09
ST-MAI-788	6	0	1	CIRCULAR	0.01564	CMP	61.18	0.21	124.47	0.43	254.05	0.89
ST-MAI-789	6.5	0	1	CIRCULAR	0.00271	RCP	66.77	0.24	132.98	0.49	267.53	0.98
ST-MAI-79	3	9	1	RECT_CLOSED	0.01748	RCB	133.53	0.3	244.76	0.55	384.82	0.87
ST-MAI-790	6.5	0	1	CIRCULAR	0.00716	RCP	65.37	0.15	133.67	0.3	267.64	0.6
ST-MAI-791	2	0	1	CIRCULAR	0.05349	CMP	0.42	0.01	0.56	0.02	1.32	0.05
ST-MAI-792	2	0	1	CIRCULAR	0.16129	CMP	1.05	0.02	1.59	0.03	2.93	0.06
ST-MAI-793	6.5	0	1	CIRCULAR	0.0284	RCP	175.48	0.2	320.25	0.36	482.25	0.55
ST-MAI-794	5	0	1	CIRCULAR	0.03687	CMP	190.43	0.7	218.69	0.81	236.02	0.87
ST-MAI-797	3	0	1	CIRCULAR	0.00343	RCP	31.98	0.82	33.2	0.85	32.38	0.83
ST-MAI-798	3.5	0	1	CIRCULAR	0.00206	RCP	22.4	0.49	29.44	0.65	37.46	0.82
ST-MAI-799	3	0	1	CIRCULAR	0.00338	RCP	18.67	0.48	20.78	0.54	24.73	0.64
ST-MAI-7a	2	0	1	CIRCULAR	0.013	HDPE	4.53	0.18	7.7	0.3	11.8	0.46
ST-MAI-7b	2	0	1	CIRCULAR	0.01304	HDPE	4.53	0.18	7.7	0.3	11.8	0.46
ST-MAI-8	2	0	1	CIRCULAR	0.04507	HDPE	4.51	0.09	7.68	0.16	12.7	0.26
ST-MAI-800	6.5	0	1	CIRCULAR	0.01265	RCP	240.96	0.41	454.16	0.77	724.63	1.23
ST-MAI-801	2	0	1	CIRCULAR	-0.00651	RCP	35.47	1.94	29	1.59	29.97	1.64
ST-MAI-802	3	0	1	CIRCULAR	0.0481	RCP	7.92	0.05	10.01	0.07	12.29	0.08
ST-MAI-804	1.5	0	1	CIRCULAR	0.00868	CMP	1.31	0.25	1.27	0.24	3.43	0.65
ST-MAI-805	3.5	0	1	CIRCULAR	-0.0007	RCP	22.18	0.84	28.87	1.09	36.1	1.36
ST-MAI-806	4	0	1	CIRCULAR	0.01482	RCP	63.35	0.36	106.49	0.61	177.08	1.01
ST-MAI-807	4	0	1	CIRCULAR	0.31215	RCP	63.34	0.08	106.49	0.13	182.25	0.23
ST-MAI-808	2	0	1	CIRCULAR	0.03407	HDPE	3.46	0.08	5.66	0.14	8.88	0.21
ST-MAI-809	2.5	0	1	CIRCULAR	0.05257	RCP	29.11	0.31	49.03	0.52	80.1	0.85
ST-MAI-80a_1	0	0	1	IRREGULAR	0.02049	Concrete	338.29	0.13	411.97	0.16	602.34	0.23
ST-MAI-80a_2	0	0	1	IRREGULAR	0.01427	Concrete	331.66	0.15	401.61	0.19	629.33	0.29
ST-MAI-80a_3	0	0	1	IRREGULAR	0.00495	Concrete	337.28	0.26	402.82	0.32	544.54	0.43
ST-MAI-80a_4	0	0	1	IRREGULAR	0.02722	Concrete	332.05	0.11	400.84	0.13	752.31	0.25
ST-MAI-80a_6	0	0	1	IRREGULAR	0.05109	Concrete	121.4	0.03	177.81	0.04	463.26	0.11
ST-MAI-80b	0	0	1	IRREGULAR	0.01883	Concrete	331.19	0.03	422.15	0.03	818.65	0.06
ST-MAI-81	3	0	1	CIRCULAR	0.07351	RCP	38.66	0.21	65.03	0.36	98.27	0.54
ST-MAI-810	3	0	1	CIRCULAR	0.01172	RCP	28.8	0.4	32.65	0.45	100.44	1.39
ST-MAI-811	3	0	1	CIRCULAR	0.0071	RCP	73.4	1.31	77.58	1.38	83.51	1.49
ST-MAI-812	3	0	1	CIRCULAR	0.01089	RCP	82.97	1.19	86.54	1.24	95.37	1.37
ST-MAI-813	3	10	1	RECT_CLOSED	0.00592	RCB	267.87	0.92	419.93	1.45	497.61	1.71
ST-MAI-814	4.5	10	1	RECT_OPEN	0.00368	Earthen	211.99	1.77	225.85	1.88	237.91	1.98
ST-MAI-816a_2	4	8	1	RECT_OPEN	0.03105	Earthen	0	0	0	0	84.2	0.08
ST-MAI-816a_3	4	8	1	RECT_OPEN	0.03038	Earthen	0	0	0	0	21.55	0.02
ST-MAI-816a_4	4	6	1	RECT_CLOSED	0.01022	Earthen	0	0	0	0	116.83	0.37
ST-MAI-817a	4.5	10	1	RECT_OPEN	0.00893	Concrete	179.78	0.3	243.19	0.41	350.59	0.59
ST-MAI-817b	3	10	1	RECT_CLOSED	0.02127	CONC	346.34	0.63	448.11	0.81	560.36	1.02
ST-MAI-817c	4.6	10	1	RECT_OPEN	0.00308	Concrete	319.87	0.89	418.32	1.17	536.05	1.5
ST-MAI-819	4.75	0	1	CIRCULAR	0.00941	CMP	112.27	0.94	119.67	1	122.04	1.02
ST-MAI-82	5	10	1	RECT_OPEN	0.00151	Concrete	296.13	1.06	366.31	1.31	471.04	1.68
ST-MAI-820	1.5	0	1	CIRCULAR	0.05896	CMP	13.96	1.01	14.1	1.02	14.09	1.02

Existing Condition Storm Conveyance Results Summary Table

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ST-MAI-821	1	0	1	CIRCULAR	0.01495	ABS	0.78	0.18	1.27	0.29	2.06	0.47
ST-MAI-822	4.75	0	1	CIRCULAR	0.00877	CMP	157.31	1.37	156.07	1.35	157.35	1.37
ST-MAI-823	4.75	0	1	CIRCULAR	0.01026	CMP	153.27	1.23	154.6	1.24	155.08	1.24
ST-MAI-824	5	0	1	CIRCULAR	0.03387	CMP	112.34	0.43	111.85	0.43	111.11	0.43
ST-MAI-825	2	0	1	CIRCULAR	0.0095	CMP	11.2	0.94	14.06	1.18	14.23	1.19
ST-MAI-826	1.5	0	1	CIRCULAR	0.01692	RCP	6.37	0.47	11.15	0.82	11.32	0.83
ST-MAI-827	1	0	1	CIRCULAR	0.05965	ABS	1.41	0.16	1.52	0.17	2.59	0.3
ST-MAI-828	2	0	1	CIRCULAR	0.00988	RCP	20.9	0.93	20.8	0.92	20.52	0.91
ST-MAI-829	1.5	0	1	CIRCULAR	0.04842	CMP	4.81	0.38	5.06	0.4	5.88	0.47
ST-MAI-83	3	8	1	RECT_OPEN	0.02254	RCB	229.01	0.39	437.81	0.74	515.65	0.87
ST-MAI-830	1.5	0	1	CIRCULAR	0.07663	CMP	12.7	0.81	12.53	0.8	12.5	0.79
ST-MAI-831	3	4.6	1	CIRCULAR	0.00429	CMP	34.05	1.44	33.66	1.42	33.91	1.43
ST-MAI-832	2	0	1	CIRCULAR	0.03133	CMP	18.79	0.87	18.68	0.86	16.85	0.78
ST-MAI-833	1.5	0	1	CIRCULAR	0.02019	CMP	7.95	0.98	8.54	1.06	8.39	1.04
ST-MAI-834	2.5	0	1	CIRCULAR	0.03182	CMP	11.98	0.3	21.77	0.55	39.46	1
ST-MAI-835	2.5	0	1	CIRCULAR	0.02222	CMP	15.32	0.46	27.41	0.83	33.54	1.01
ST-MAI-836	1.5	0	1	CIRCULAR	0.02762	CMP	11.97	1.27	11.68	1.23	11.22	1.19
ST-MAI-837	1.5	0	1	CIRCULAR	0.02196	CMP	9.98	1.18	12.76	1.51	12.65	1.5
ST-MAI-838	1.5	0	1	CIRCULAR	0.01657	CMP	4.51	0.62	7.59	1.04	7.72	1.05
ST-MAI-839	1	0	1	CIRCULAR	0.01262	HDPE	10.46	2.61	9.84	2.46	9.76	2.44
ST-MAI-84	1.5	0	1	CIRCULAR	0.08025	CMP	3.38	0.21	6.17	0.38	10.48	0.65
ST-MAI-840	3	0	1	CIRCULAR	0.02419	RCP	67.86	0.65	90.92	0.88	96.75	0.93
ST-MAI-841	3	0	1	CIRCULAR	0.05238	RCP	68.89	0.45	73.73	0.48	69.48	0.46
ST-MAI-842	4	0	1	CIRCULAR	0.00207	CMP	61.47	1.74	62.72	1.77	63.16	1.78
ST-MAI-843	1.25	0	1	CIRCULAR	0.10592	RCP	0.55	0.03	0.96	0.05	1.54	0.07
ST-MAI-844	4	0	1	CIRCULAR	0.01039	CMP	61.37	0.77	62.63	0.79	63.05	0.8
ST-MAI-845	2.5	0	1	CIRCULAR	0.00174	RCP	59.97	3.51	78.06	4.57	81.18	4.75
ST-MAI-846	2.5	0	1	CIRCULAR	0.02646	RCP	59.95	0.9	78.09	1.17	81.28	1.22
ST-MAI-847	3	0	1	CIRCULAR	0.03132	RCP	67.51	0.57	90.52	0.77	96.34	0.82
ST-MAI-848	3	0	1	CIRCULAR	0.04937	RCP	8.13	0.05	13.49	0.09	21.88	0.15
ST-MAI-849	1	0	1	CIRCULAR	0.07018	HDPE	0.96	0.1	1.52	0.16	2.36	0.25
ST-MAI-85	4.75	0	1	CIRCULAR	0.00966	CMP	152.19	1.26	153.67	1.27	154.18	1.27
ST-MAI-850	1	0	1	CIRCULAR	0.03732	HDPE	0.63	0.09	1.01	0.15	1.58	0.23
ST-MAI-851	3	0	1	CIRCULAR	0.00527	RCP	9.46	0.2	15.92	0.33	25.53	0.53
ST-MAI-852	5	0	1	CIRCULAR	0.01672	RCP	56.51	0.17	90.13	0.27	156.8	0.47
ST-MAI-853	3.5	0	1	CIRCULAR	0.55138	RCP	0.79	0	1.31	0	5.62	0.01
ST-MAI-854	5	0	1	CIRCULAR	0.02255	RCP	54.37	0.14	83.98	0.21	151.61	0.39
ST-MAI-855	2.5	0	1	CIRCULAR	0.05594	RCP	3.9	0.04	6.48	0.07	54.58	0.56
ST-MAI-857	2	0	1	CIRCULAR	0.07201	HDPE	3.66	0.06	6.11	0.1	9.8	0.16
ST-MAI-858	2	0	1	CIRCULAR	0.00685	RCP	6.4	0.34	20.98	1.12	36.74	1.96
ST-MAI-859	1	3	1	PARABOLIC	0.02976	Concrete	0	0	0	0	0	0
ST-MAI-86	2.75	0	1	CIRCULAR	0.02432	CMP	15.27	0.34	29.44	0.66	40.02	0.9
ST-MAI-862	1.5	0	1	CIRCULAR	0.0431	RCP	6.11	0.28	11.46	0.53	20.88	0.96
ST-MAI-864	1.5	0	1	CIRCULAR	0.16428	CMP	3.43	0.15	6.14	0.27	10.61	0.46
ST-MAI-865	1.5	0	1	CIRCULAR	0.00306	CMP	13.68	4.35	13.72	4.36	13.71	4.36
ST-MAI-866	1.5	0	1	CIRCULAR	0.05426	CMP	6.06	0.46	10.16	0.77	14.84	1.12
ST-MAI-867	1.5	0	1	CIRCULAR	0.05762	CMP	2.8	0.2	4.45	0.33	7	0.51
ST-MAI-868	1	0	1	CIRCULAR	0.0673	Concrete	0.7	0.11	1.2	0.19	1.92	0.3
ST-MAI-869	0.67	0	1	CIRCULAR	0.02563	CONC	1.39	0.71	1.5	0.76	1.6	0.81
ST-MAI-87	3.5	0	1	CIRCULAR	0.03621	RCP	76.42	0.4	86.08	0.45	95.91	0.5
ST-MAI-870	2	4	1	RECT_OPEN	0.00034	Earthen	2.11	0.58	4.14	1.14	6.28	1.73
ST-MAI-871	1	3	1	PARABOLIC	0.10057	CONC	0.12	0	0.16	0	0.2	0
ST-MAI-876	2	0	1	CIRCULAR	0.06139	RCP	10.01	0.18	18.3	0.33	31.74	0.57
ST-MAI-878	0.5	3	1	TRIANGULAR	0.02359	CONC	0.17	0.03	0.27	0.05	0.41	0.08
ST-MAI-879	2	0	1	CIRCULAR	0.1068	RCP	0.17	0	0.27	0	0.41	0.01
ST-MAI-88	3	0	1	CIRCULAR	0.01235	CONC	8.96	0.12	14.77	0.2	24.53	0.33

Existing Condition Storm Conveyance Results Summary Table

Conveyance Info	Dimensions						2-year		10-year		100-year	
Facility ID	D' or H' (diameter) or (height)	B' (width)	Barrels	Shape	Slope (ft/ft)	Material	Q_{con} (2-year) (cfs)	Qcon vs Qcap	Q_{con} (10-year) (cfs)	Qcon vs Qcap3	Q_{con} (100-year) (cfs)	Qcon vs Qcap7
ST-MAI-880	0.33	0	1	CIRCULAR	0.04998	PVC	0.24	0.58	0.42	1.01	0.44	1.07
ST-MAI-881	1	3	1	PARABOLIC	0.10043	Concrete	0	0	0	0	0	0
ST-MAI-882	1	3	1	PARABOLIC	0.0915	Concrete	0	0	0	0	0	0
ST-MAI-885	3	0	1	CIRCULAR	0.20008	RCP	2.66	0.01	4.41	0.01	7.27	0.02
ST-MAI-889	2.5	0	1	CIRCULAR	0.07002	CONC	23.11	0.21	31.21	0.29	38.51	0.35
ST-MAI-89	0.5	3	1	PARABOLIC	0.02878	Concrete	15.86	2.6	19.96	3.27	19.97	3.27
ST-MAI-890	2.5	0	1	CIRCULAR	0.04492	CONC	21.64	0.25	28.73	0.33	34.37	0.4
ST-MAI-895	2.5	0	1	CIRCULAR	0.02864	RCP	16.38	0.24	29.35	0.42	48.99	0.71
ST-MAI-9	1.5	0	1	CIRCULAR	0.01469	HDPE	4.01	0.32	6.87	0.54	10.36	0.81
ST-MAI-90	2.5	0	1	CIRCULAR	0.02426	Not modeled	24.29	0.7	38.22	1.1	49.35	1.43
ST-MAI-902	1	3	1	PARABOLIC	0.04219	Other	0.29	0.04	0.52	0.08	0.84	0.13
ST-MAI-909	1.5	0	1	CIRCULAR	0.10623	RCP	4.3	0.13	7.73	0.23	13.19	0.39
ST-MAI-91	2.5	0	1	CIRCULAR	0.04233	CMP	24.09	0.53	37.77	0.83	48.53	1.06
ST-MAI-910	1.5	0	1	CIRCULAR	0.08841	RCP	8.42	0.27	14.86	0.48	25.42	0.81
ST-MAI-911	1.5	0	1	CIRCULAR	0.08949	RCP	10.95	0.35	19.23	0.61	28.56	0.91
ST-MAI-912	1.5	0	1	CIRCULAR	0.07287	RCP	7.19	0.25	12.66	0.45	21.67	0.76
ST-MAI-913	1.5	0	1	CIRCULAR	0.01118	RCP	16.56	1.49	23.84	2.15	31.83	2.87
ST-MAI-914	1.5	0	1	CIRCULAR	0.00616	RCP	16.13	1.96	20.12	2.44	22.13	2.68
ST-MAI-915	1.5	0	1	CIRCULAR	0.01387	RCP	12.7	1.03	12.16	0.98	13.05	1.06
ST-MAI-916	1.5	0	1	CIRCULAR	0.01682	RCP	15.91	1.17	16.73	1.23	17.32	1.27
ST-MAI-917	1.5	0	1	CIRCULAR	0.10761	RCP	18.99	0.55	31.13	0.9	33.38	0.97
ST-MAI-918	1.5	0	1	CIRCULAR	0.01317	RCP	3.24	0.27	8.2	0.68	11.45	0.95
ST-MAI-92	2.5	0	1	CIRCULAR	0.07204	CMP	15.78	0.26	23.62	0.4	31.88	0.53
ST-MAI-924	1.5	0	1	CIRCULAR	0.04634	CMP	2.46	0.2	4.39	0.36	7.3	0.6
ST-MAI-926	1	3	1	PARABOLIC	0.19867	CONC	0.21	0	0.34	0.01	0.54	0.01
ST-MAI-93	2.5	0	1	CIRCULAR	0.03611	CMP	53.78	1.27	63.88	1.51	62.8	1.49
ST-MAI-932	1	3	1	PARABOLIC	0.01341	CONC	12.51	0.72	2.31	0.13	1.89	0.11
ST-MAI-942	0	0	1	IRREGULAR	0.04951	Other	1.05	0.01	2	0.01	3.38	0.02
ST-MAI-946	1	3	1	PARABOLIC	0.17945	Other	1.48	0.02	2.77	0.03	4.65	0.06
ST-MAI-95	2	0	1	CIRCULAR	0.00744	RCP	22.92	1.17	36.97	1.9	42.46	2.18
ST-MAI-952	1	3	1	PARABOLIC	0.0674	Other	10.68	0.21	20.45	0.4	33.57	0.66
ST-MAI-953	0	0	1	IRREGULAR	0.03539	Other	0	0	0	0	0	0
ST-MAI-96	4	0	1	CIRCULAR	0.00777	RCP	52.46	0.41	96.51	0.76	161.85	1.28
ST-MAI-964	1.5	0	1	CIRCULAR	0.00648	RCP	1.85	0.22	2.84	0.34	4.14	0.49
ST-MAI-965	0	0	1	IRREGULAR	0.02576	CONC	0	0	0	0	0	0
ST-MAI-967	3	0	1	CIRCULAR	0.33922	CMP	19.27	0.09	33.52	0.16	60.24	0.29
ST-MAI-97	4	0	1	CIRCULAR	0.02456	RCP	71.68	0.32	127.18	0.57	146.38	0.65
ST-MAI-970	2	0	1	CIRCULAR	0.10048	RCP	31.59	0.44	33.07	0.46	33.75	0.47
ST-MAI-98	1.5	0	1	CIRCULAR	0.10367	CMP	5.25	0.29	8.95	0.49	13.32	0.73
ST-MAI-980	0	0	1	IRREGULAR	0.08468	Other	3.44	0.01	6.06	0.02	10.22	0.04
ST-MAI-981	1.5	0	1	CIRCULAR	0.07684	RCP	6.52	0.22	11.27	0.39	17.6	0.6
ST-MAI-982	1.5	0	1	CIRCULAR	0.02637	RCP	6.77	0.4	11.67	0.68	18.05	1.06
ST-MAI-983	2	0	1	CIRCULAR	0.02899	RCP	3.5	0.09	5.69	0.15	9.05	0.24
ST-MAI-984	2	0	1	CIRCULAR	0.00558	RCP	7.04	0.42	12.13	0.72	19.27	1.14
ST-MAI-985	2	0	1	CIRCULAR	0.02137	RCP	7.53	0.23	12.1	0.37	19.2	0.58
ST-MAI-99	1	0	1	CIRCULAR	0.05591	AC	3.7	0.44	6.79	0.81	8.11	0.96
ST-MAI-995	2	4	1	RECT_OPEN	0.02756	Other	2.09	0.01	4.12	0.02	6.27	0.03

Existing Condition Junctions Results Summary Table

	Dimensions				2-year				10-year				100-year			
Facility ID	Type	Invert Elevation (feet)	Rim Elevation (feet)	Depth (feet)	Max. HGL (2-year) (feet)	Max. Lateral Inflow (2-year) (cfs)	Max. Total Inflow (2-year) (cfs)	Surcharging (2-year)	Max. HGL (10-year) (feet)	Max. Lateral Inflow (10-year) (cfs)	Max. Total Inflow (10-year) (cfs)	Surcharging (10-year)	Max. HGL (100-year) (feet)	Max. Lateral Inflow (100-year) (cfs)	Max. Total Inflow (100-year) (cfs)	Surcharging (100-year)
178	DS Headwa	341.403	341.403	0	344.21	0	220.37	YES	344.41	0	248.78	YES	344.7	0	303.87	YES
2598	DS Headwa	346.771	346.771	0	346.77	0	0	YES	346.77	0	0.01	YES	347.93	0	118.39	YES
2745	Headwall	347.275	347.275	0	347.27	0	0	YES	347.28	0	0	YES	349.03	0	149.07	YES
2828	Channel co	329.825	329.825	0	332.46	0	338.29	NO	332.69	0	411.97	NO	333.3	0	602.34	NO
2955	Channel co	328.592	328.592	0	330.6	0	337.28	NO	330.79	0	403.43	NO	331.5	0	646.07	NO
3069	Channel co	326.449	326.449	0	328.25	0	331.66	NO	328.4	0	401.61	NO	329.36	0	739.01	NO
3132	Channel co	322.374	322.374	0	323.28	0	332.05	NO	323.45	0	403.36	NO	324.14	0	761.35	NO
3133	Channel co	303.901	303.901	0	306.01	0	336.28	NO	306.42	0	498.94	NO	307.76	0	1102.23	NO
CMS_Add1	DS Headwa	442.149	442.149	0	442.3	0	0.67	YES	442.34	0	1.21	YES	442.4	0	2.02	YES
J10430	DS Headwa	395.27	398.27	3	395.5	0	24.01	YES	395.58	0	38.95	YES	395.62	0	48.35	YES
J132067	Spillway	406.663	407.059	0	406.66	0	0	YES	406.66	0	0	YES	406.66	0	0	YES
J155_1	Channel co	379.738	379.738	0	379.89	0	4.81	YES	379.95	0	8.3	YES	380.03	0	13.79	YES
J2	Conduit co	387.4	398.929	11.529	388.88	0	175.6	YES	389.13	0	223.11	YES	389.9	0	385.47	YES
J20	Conduit co	383.6	389.575	5.975	384.59	0	175.71	YES	384.76	0	223.18	YES	385.28	0	385.43	YES
ST-STR-1	Cleanout	345.701	352.201	6.5	346.14	0	2.5	YES	346.28	0	4.25	YES	346.46	0	6.76	YES
ST-STR-100	Channel co	414.412	414.412	0	414.41	0	0	YES	414.41	0	0	YES	414.41	0	0	YES
ST-STR-1000	Conduit co	303.5	314.067	10.567	304.68	0	28.2	NO	305.14	0	52.25	NO	305.75	0	90.9	NO
ST-STR-1001	DS Headwa	372.88	373.335	0	374.17	0	103.49	YES	374.71	0	184.43	YES	375.6	0	276.77	YES
ST-STR-1002	Conduit co	386.919	393.919	7	388.64	0	72.29	YES	389.35	0	128.12	YES	390.18	0	188.59	YES
ST-STR-1003	Headwall	360.282	360.282	0	360.32	0.04	0.04	YES	360.33	0.06	0.06	YES	360.35	0.09	0.09	YES
ST-STR-1004	Headwall	355.651	355.651	0	360.69	1.44	13.7	YES	360.7	2.41	13.84	YES	360.7	4.06	12.07	YES
ST-STR-1005	DS Headwa	354.446	354.446	0	360.08	0	135.93	YES	360.32	0	194.64	YES	360.58	0	271	YES
ST-STR-1006	Conduit co	348.963	357.963	9	349.68	0	25.23	YES	349.91	0	44.57	YES	350.42	0	81.09	YES
ST-STR-1007	Conduit co	339.925	348.925	9	340.92	0	30.74	NO	341.54	0	81.83	NO	342.58	0	204.84	YES
ST-STR-1008	Headwall	373.974	373.974	0	374.44	11.45	11.45	YES	374.6	20.75	20.75	YES	374.82	37.12	37.12	YES
ST-STR-101	DS Headwa	374.021	374.021	0	374.17	0	3.52	YES	374.21	0	6.18	YES	374.25	0	10.37	YES
ST-STR-1010	Headwall	376.37	376.548	0	377.49	7.43	10.11	YES	377.91	14.01	18.32	YES	378.8	24.42	29.25	YES
ST-STR-1011	DS Headwa	408.997	408.997	0	409.14	0	1.49	YES	409.19	0	2.77	YES	409.25	0	4.65	YES
ST-STR-1012	Headwall	407.59	407.59	0	407.9	0	2.22	YES	408.01	0	4.04	YES	408.16	0	6.7	YES
ST-STR-1013	DS Headwa	443.09	443.09	0	443.22	0.69	4.85	YES	443.24	1.36	6.29	YES	443.26	2.35	7.65	YES
ST-STR-1014	Headwall	460.336	461.226	0	462.81	7.06	7.06	YES	462.88	12.75	12.75	YES	462.92	22.63	22.63	YES
ST-STR-1015	DS Headwa	457.858	457.858	0	458.37	0.26	7.29	YES	458.42	0.4	11.91	YES	458.51	0.6	19.9	YES
ST-STR-1016	Headwall	497.337	498.613	0	499.92	5.17	17.36	YES	500.27	9.42	9.75	YES	500.65	16.51	24.27	YES
ST-STR-1017	Inlet	480.302	480.579	0	480.9	2.96	13.04	YES	480.95	5.46	18.91	YES	481	9.4	24.93	YES
ST-STR-1018	Inlet	482.694	490.694	8	484.47	0.18	10.94	YES	486.57	0.29	16.24	YES	486.78	0.46	16.85	YES
ST-STR-1019	Headwall	433	437.465	4.465	433.51	2.02	2.68	YES	433.66	3.77	4.44	YES	433.85	6.52	7.2	YES
ST-STR-102	Unimprove	373.7	375.557	0.557	374.05	0	0.05	YES	374.27	0	0.09	YES	374.56	0	0.23	YES
ST-STR-1020	Conduit co	430	442.835	12.835	431.54	0	77.28	YES	431.65	0	88.83	YES	431.88	0	100.5	YES
ST-STR-1021	Conduit co	411	418.952	7.952	416.48	0	53.8	YES	419.21	0	63.9	YES	421.11	0	62.8	YES
ST-STR-1022	Headwall	419.743	419.743	0	420.91	0.98	32.81	YES	421.74	1.58	47.25	YES	424.42	2.52	66.2	YES
ST-STR-1023	Conduit co	443.159	449.159	6	445.44	0	9.43	YES	446.41	0	15.73	YES	447.58	0	22.81	YES
ST-STR-1024	Conduit co	439.995	444.995	5	445.37	0	11.48	YES	445.68	0	20.2	YES	446.08	0	30.41	YES
ST-STR-1025	Conduit co	388.527	398.827	10.3	391.67	0	131.05	YES	392.83	0	223.47	YES	396.92	0	369.16	YES
ST-STR-1026	Conduit co	388.355	397.355	9	391	0	136.29	YES	392.03	0	246.53	YES	396.5	0	378.15	YES

Existing Condition Junctions Results Summary Table

	Dimensions				2-year				10-year				100-year			
Facility ID	Type	Invert Elevation (feet)	Rim Elevation (feet)	Depth (feet)	Max. HGL (2-year) (feet)	Max. Lateral Inflow (2-year) (cfs)	Max. Total Inflow (2-year) (cfs)	Surcharging (2-year)	Max. HGL (10-year) (feet)	Max. Lateral Inflow (10-year) (cfs)	Max. Total Inflow (10-year) (cfs)	Surcharging (10-year)	Max. HGL (100-year) (feet)	Max. Lateral Inflow (100-year) (cfs)	Max. Total Inflow (100-year) (cfs)	Surcharging (100-year)
ST-STR-1027	Conduit co	387.716	394.716	7	390.32	0	138.92	YES	391.28	0	236.12	YES	395.74	0	363.87	YES
ST-STR-1028	DS Headwa	392.309	392.309	0	394.87	1.67	125.73	YES	396.86	2.69	152	YES	398.62	4.31	173.43	YES
ST-STR-1029	Conduit co	412.208	417.208	5	417.48	0	26.71	YES	417.77	0	37.01	YES	417.89	0	39.13	YES
ST-STR-103	DS Headwa	430.764	430.764	0	431.8	0	0.16	YES	431.81	0	0.24	YES	431.81	0	0.37	YES
ST-STR-1030	DS Headwa	391.018	391.018	0	395.32	0	63.3	YES	395.7	0	104.69	YES	395.89	0	167.46	YES
ST-STR-1031	Headwall	442.39	442.475	0	443.93	7.4	7.59	YES	444.42	13.49	13.68	YES	444.46	23.31	23.51	YES
ST-STR-1032	Headwall	409.806	416.806	7	410.91	11.02	33.8	YES	411.19	20.44	51.42	YES	411.48	36.44	73.05	YES
ST-STR-1033	Headwall	332.276	332.691	0	334.21	19.28	19.28	NO	335.14	33.54	33.54	NO	335.94	60.2	60.2	NO
ST-STR-1034	Headwall	330.193	330.193	0	334.65	18.07	155.71	NO	335.07	32.14	170.06	NO	335.59	57.6	275.68	NO
ST-STR-1035	Conduit co	324.25	333.38	9.13	329.23	0	131.49	NO	334.39	0	344.94	NO	335.17	0	381.51	NO
ST-STR-1036	Headwall	378.33	382.41	4.08	380.09	5.29	48.02	YES	382.89	9.27	60.42	YES	383.08	14.85	55.33	YES
ST-STR-1037	Conduit co	384.013	391.513	7.5	386.44	0	153.96	YES	387.61	0	261.18	YES	391.62	0	358.15	YES
ST-STR-1038	Conduit co	376.5	386.892	10.392	379.35	0	157.38	YES	380.29	0	277.46	YES	382.34	0	451.99	YES
ST-STR-1039	Headwall	374.327	375.504	0	377.4	2.39	37.15	YES	377.43	4.27	55.97	YES	377.47	7.09	91.51	YES
ST-STR-1040	Conduit co	406.689	412.189	5.5	407.75	0	31.83	YES	408.06	0	49.05	YES	408.32	0	60.06	YES
ST-STR-1041	Conduit co	400.418	407.418	7	401.49	8.02	37.31	YES	401.75	13.42	57.39	YES	402.03	22.55	81.56	YES
ST-STR-1042	Conduit co	389.922	396.922	7	392.69	0	45.44	YES	394.48	0	68.32	YES	396.05	0	98.48	YES
ST-STR-1043	Conduit co	390.701	397.701	7	392.7	0	38.16	YES	394.52	0	58.46	YES	396.11	0	83.85	YES
ST-STR-1044	Conduit co	383	395.741	12.741	385.71	0	175.93	YES	386.89	0	321.08	YES	390.23	0	483.61	YES
ST-STR-1045	Conduit co	385.83	395.864	10.034	391.78	0	209.63	YES	393.18	0	235.04	YES	394.65	0	252.78	YES
ST-STR-1046	Headwall	397.87	397.87	0	398.19	2.83	2.83	YES	398.25	4.63	4.63	YES	398.32	7.55	7.55	YES
ST-STR-105	DS Headwa	404.786	405.75	0	404.85	0	2.97	YES	404.87	0	5.38	YES	404.9	0	9.21	YES
ST-STR-1051	Conduit co	374.3	380.26	5.96	376.86	0	22.6	YES	377.89	0	29.55	YES	378.84	0	37.48	YES
ST-STR-1052	Conduit co	389.45	397.45	8	394.85	0	165.65	YES	396.41	0	167.18	YES	397.5	0	167.69	YES
ST-STR-1053	Conduit co	390.224	397.974	7.75	396.02	0	153.26	YES	397.42	0	154.59	YES	398.38	0	155.08	YES
ST-STR-1054	Conduit co	397.729	401.729	4	397.95	0	0.78	YES	398.43	0	1.27	YES	400.29	0	2.06	YES
ST-STR-1055	Conduit co	393.464	401.214	7.75	401.33	0	157.39	YES	401.83	0	156.06	YES	402.01	0	157.39	YES
ST-STR-1056	Conduit co	409.6	416.359	6.759	416.64	0	61.49	YES	416.75	0	62.74	YES	416.86	0	63.18	YES
ST-STR-1057	Inlet	425.117	425.117	0	425.59	4.06	8.15	YES	425.73	6.77	13.52	YES	425.9	11	21.93	YES
ST-STR-1058	Headwall	333.493	333.493	0	337.27	0.11	46.77	NO	337.9	0.17	72.42	NO	338.25	0.28	125.65	NO
ST-STR-1059	Cleanout	382.29	398.951	16.661	383.65	0	50.7	YES	384.16	0	85.5	YES	389.63	0	144.55	YES
ST-STR-1060	Cleanout	432.73	441.73	9	433.36	0	5.12	YES	433.59	0	8.84	YES	521.31	0	18.34	YES
ST-STR-1061	Cleanout	450.91	459.585	8.675	451.29	0	2.23	YES	451.42	0	3.92	YES	529.36	0	17.17	YES
ST-STR-1062	Cleanout	447.38	455.652	8.272	447.73	0	2.22	YES	447.85	0	3.91	YES	529.99	0	18.48	YES
ST-STR-1063	Cleanout	436.24	442.716	6.476	436.6	0	3.1	YES	436.72	0	5.45	YES	524.35	0	15.24	YES
ST-STR-1064	Cleanout	434.82	442.08	7.26	435.28	0	4.93	YES	435.46	0	8.82	YES	505.64	0	15.44	YES
ST-STR-1065	Cleanout	436.92	447.818	10.898	437.49	0	9.12	YES	437.69	0	15.89	YES	513.44	0	26.86	YES
ST-STR-1066	Cleanout	439.82	448.262	8.442	440.16	0	2.21	YES	440.28	0	3.9	YES	527.32	0	14.77	YES
ST-STR-1067	Cleanout	453.1	462.786	9.686	453.45	0	2.24	YES	453.57	0	3.93	YES	534.18	0	15.49	YES
ST-STR-1068	Cleanout	443.04	449.186	6.146	443.39	0	2.21	YES	443.5	0	3.9	YES	526.65	0	14.62	YES
ST-STR-1069	Cleanout	410	421.927	11.927	410.16	0	0.62	YES	410.2	0	0.98	YES	461.18	0	7.61	YES
ST-STR-107	Flowline co	439.709	439.896	0	439.99	0	2.84	YES	440.01	0	3.61	YES	440.03	0	4.6	YES
ST-STR-1070	DS Headwa	341.396	341.396	0	342.48	0	29.69	YES	342.99	0	56.47	YES	343.6	0	96.16	YES
ST-STR-1071	DS Headwa	316.022	316.022	0	316.04	0	0.7	NO	316.04	0	1.2	NO	316.05	0	1.92	NO

Existing Condition Junctions Results Summary Table

	Dimensions				2-year				10-year				100-year			
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ST-STR-1072	DS Headwa	454.343	454.343	0	454.44	0	2.11	YES	454.5	0	4.14	YES	454.54	0	6.28	YES
ST-STR-1073	DS Headwa	350.392	350.392	0	350.39	0	0	YES	350.39	0	0	YES	350.39	0	0	YES
ST-STR-1074	Flowline co	445.997	445.997	0	446.37	0	6.22	YES	446.43	0	10.59	YES	446.51	0	16.49	YES
ST-STR-1075	DS Headwa	285.632	285.768	0	290.63	0	358.12	NO	290.85	0	435.27	NO	292.2	0	726.36	NO
ST-STR-1076	DS Headwa	431.602	431.602	0	432.09	0	15.97	YES	432.24	0	28.04	YES	432.43	0	47.04	YES
ST-STR-1077	DS Headwa	276.635	276.635	0	280.01	0	557.07	NO	280.48	0	915.67	NO	281.11	0	1519.56	NO
ST-STR-1078	DS Headwa	285.233	285.233	0	287.73	0	543.82	NO	288.39	0	910.95	NO	289.76	0	1736.93	NO
ST-STR-1079	DS Headwa	303	319.993	0	311.89	0	0.91	NO	311.9	0	1.52	NO	311.95	0	3.13	NO
ST-STR-108	Flowline co	429.345	429.407	0	429.51	0	1.98	YES	429.64	0	5.27	YES	429.83	0	11.9	YES
ST-STR-1080	DS Headwa	316.031	316.031	0	317.95	0	356.04	NO	318.19	0	448.71	NO	319	0	856.11	NO
ST-STR-1081	DS Headwa	425.583	425.583	0	425.64	0	4.1	YES	425.66	0	6.62	YES	425.69	0	10.53	YES
ST-STR-1083	DS Headwa	431.881	431.881	0	434.27	0	45.74	YES	435.2	0	79.41	YES	436.85	0	92.64	YES
ST-STR-1084	DS Headwa	425.701	425.701	0	425.75	0	1.97	YES	425.76	0	3.12	YES	425.78	0	4.91	YES
ST-STR-1085	DS Headwa	392.829	392.829	0	393.01	0	43.12	YES	393.04	0	54.1	YES	393.06	0	61.48	YES
ST-STR-1086	DS Headwa	433.408	437.943	4.535	433.56	0	44.51	YES	433.56	0	45.29	YES	433.56	0	46.12	YES
ST-STR-1087	DS Headwa	307.49	307.49	0	311.5	0	53.66	NO	312	0	135.16	NO	313.26	0	306.15	NO
ST-STR-1088	Channel co	429.226	429.226	0	429.56	0	8.68	YES	429.63	0	15.44	YES	429.73	0	27.18	YES
ST-STR-1089	Headwall	404.754	409.934	5.18	405.92	0	37.49	YES	406.24	0	59.52	YES	406.9	0	113.98	YES
ST-STR-109	Flowline co	434.677	434.825	0	434.92	0	2.54	YES	435	0	5.25	YES	435.06	0	8.56	YES
ST-STR-1092	Inlet	409.937	414.937	5	410.03	0	0.17	YES	411.85	0	3.11	YES	412.3	0	2.19	YES
ST-STR-1093	Inlet	415.682	422.682	7	415.75	0	0.17	YES	415.77	0	0.27	YES	415.79	0	0.41	YES
ST-STR-1096	Conduit co	287.2	290.419	3.219	292.45	0	18.3	NO	295.6	0	24.16	NO	295.98	0	25.8	NO
ST-STR-1097	Conduit co	288.017	292.517	4.5	293.19	0	18.99	NO	294.7	0	31.13	NO	295.41	0	33.38	NO
ST-STR-1098	Channel co	391.025	392.025	1	392.84	0	25.66	YES	393.04	0	36.2	YES	393.22	0	46.89	YES
ST-STR-110	DS Headwa	440	441.073	1.073	440.65	0	2.54	YES	440.7	0	4.58	YES	440.75	0	7.24	YES
ST-STR-1100	Headwall	311.506	316.506	5	311.98	0.26	10.93	NO	312.16	0.4	20.83	NO	312.34	0.61	34.16	NO
ST-STR-1102	Flowline co	351.28	351.459	0	351.28	0	0.02	YES	351.29	0	0.02	YES	351.29	0	0.03	YES
ST-STR-1103	Manhole	301.435	304.935	3.5	303	0	3.21	NO	303.62	0	3.72	NO	306.13	0	11	NO
ST-STR-1104	Channel co	354	354.566	0.566	354.01	0	0.04	YES	354.01	0	0.14	YES	354.02	0	0.32	YES
ST-STR-1105	Flowline co	414.035	414.192	0	414.07	0	0.71	YES	414.08	0	1.13	YES	414.1	0	1.76	YES
ST-STR-111	Flowline co	438.347	438.347	0	438.37	0	0.32	YES	438.38	0	0.54	YES	438.39	0	0.72	YES
ST-STR-1110	Outlet	448.444	448.444	0	448.62	0	0.71	YES	448.68	0	1.26	YES	448.74	0	2.09	YES
ST-STR-1111	Headwall	443.335	443.335	0	443.56	0	0.69	YES	443.63	0	1.24	YES	443.71	0	2.05	YES
ST-STR-1112	Flowline co	400.331	400.331	0	401.55	0	15.92	YES	402.29	0	27.85	YES	411.94	0	46.81	YES
ST-STR-1113	Channel co	413	414.259	1.259	415.03	0	17.01	YES	415.19	0	29.88	YES	415.44	0	53.52	YES
ST-STR-1114	Flowline co	413.729	413.877	0	414.08	0	18.26	YES	414.15	0	24.74	YES	414.26	0	36.45	YES
ST-STR-1115	Conduit co	427.746	439.246	11.5	429.09	0	15.39	YES	429.65	0	27.43	YES	435.42	0	41.03	YES
ST-STR-1116	Conduit co	431.077	437.077	6	431.08	0	0	YES	431.08	0	0	YES	434.87	0	4.12	YES
ST-STR-1117	Conduit co	431.676	436.676	5	431.68	0	0	YES	431.68	0	0	YES	434.83	0	1.71	YES
ST-STR-1118	Flowline co	437.805	437.805	0	437.85	0	0.58	YES	437.86	0	0.97	YES	437.88	0	1.43	YES
ST-STR-112	Channel co	432.413	433.275	0	432.53	0	10.99	YES	432.55	0	14.3	YES	432.58	0	19.95	YES
ST-STR-1120	Conduit co	469.206	476.123	6.917	469.96	0	5.49	YES	470.68	0	9.06	YES	473.81	0	13.75	YES
ST-STR-1121	Conduit co	462.42	469.992	7.572	464.34	0	47.08	YES	476.14	0	59.96	YES	471.57	0	58.97	YES
ST-STR-1122	Manhole	465.861	470.861	5	466.48	0	13.1	YES	468.3	0	25.56	YES	471.19	0	48.51	YES

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ST-STR-1123	Conduit co	485.912	495.586	9.674	486.34	0	13.1	YES	486.51	0	25.56	YES	486.76	0	48.66	YES
ST-STR-1124	Conduit co	277.5	283.037	5.537	282.57	0	22.51	NO	282.88	0	24.11	NO	283.67	0	39.73	NO
ST-STR-1125	Conduit co	277.2	282.045	4.845	282.33	0	22.51	NO	282.67	0	22.81	NO	283.43	0	23.54	NO
ST-STR-1126	Flowline co	306.849	306.849	0	308.97	0	333.62	NO	309.38	0	504.24	NO	310.61	0	1094.71	NO
ST-STR-1128	Channel co	459.186	459.937	0.751	459.22	0	1.93	YES	459.24	0	3.15	YES	459.25	0	5.06	YES
ST-STR-1129	Conduit co	439.108	494.57	55.462	439.36	0	2.27	YES	439.43	0	3.57	YES	439.51	0	5.58	YES
ST-STR-113	DS Headwa	479	480.009	1.009	479	0	0	YES	479	0	0	YES	479	0	0	YES
ST-STR-1130	Conduit co	426.021	433.105	7.084	426.62	0	4.12	YES	426.78	0	6.67	YES	427.01	0	10.65	YES
ST-STR-1131	Conduit co	449.195	483.482	34.287	449.47	0	2.28	YES	449.53	0	3.59	YES	449.62	0	5.6	YES
ST-STR-1132	Conduit co	415.533	421.533	6	415.61	0	0.32	YES	415.63	0	0.5	YES	415.65	0	0.8	YES
ST-STR-1133	Conduit co	393.28	406.28	13	393.76	0	6.39	YES	393.9	0	10.54	YES	394.08	0	16.96	YES
ST-STR-1135	Channel co	348.925	348.925	0	349.55	0	28.29	YES	349.83	0	53.93	YES	350.17	0	94.86	YES
ST-STR-1136	Conduit co	436.266	449.407	13.141	437.97	0.59	40.32	YES	443.11	0.92	51.9	YES	442.95	1.42	53.2	YES
ST-STR-1137	Conduit co	445.582	450.582	5	445.85	0	3.42	YES	445.93	0	5.79	YES	446.03	0	9.62	YES
ST-STR-1138	Conduit co	432.866	443.867	11.001	434.56	0	40.18	YES	436.03	0	49.67	YES	436.63	0	53.2	YES
ST-STR-1139	Conduit co	442.07	447.07	5	442.19	0	0.48	YES	442.22	0	0.75	YES	442.25	0	1.15	YES
ST-STR-114	Channel co	478.344	479.047	0.547	478.34	0	0	YES	478.34	0	0	YES	478.34	0	0	YES
ST-STR-1140	Conduit co	413.957	420.957	7	415	0	43.18	YES	415.13	0	54.12	YES	415.21	0	61.52	YES
ST-STR-1141	Conduit co	404.53	411.53	7	405.7	0	43.13	YES	405.84	0	54.1	YES	405.92	0	61.47	YES
ST-STR-1143	Conduit co	435.197	439.197	4	443.51	0	5.88	YES	444.68	0	10.8	YES	447.01	0	18.21	YES
ST-STR-1144	Channel co	336.145	336.409	0	337.91	0	17.55	NO	338.04	0	35.5	NO	338.74	0	54.14	NO
ST-STR-1145	Channel co	492.567	492.567	0	492.74	0	0.5	YES	492.75	0	0.61	YES	492.78	0	0.8	YES
ST-STR-1146	Conduit co	354	363.998	9.998	354.42	0	12.94	YES	354.56	0	22.72	YES	354.74	0	38.53	YES
ST-STR-1147	Conduit co	326.945	331.945	5	327.37	0	12.95	NO	327.52	0	22.74	NO	327.7	0	38.56	NO
ST-STR-1148	Conduit co	319.546	324.546	5	319.99	0	12.89	NO	320.16	0	25.27	NO	320.33	0	38.53	NO
ST-STR-1149	Conduit co	308.033	313.033	5	311.65	0	12.89	NO	312.08	0	24.49	NO	313.83	0	38.53	NO
ST-STR-115	Flowline co	489.972	490.419	0	490	0	0.55	YES	490.01	0	0.99	YES	490.03	0	1.6	YES
ST-STR-1150	Conduit co	319.955	324.955	5	321.22	0	12.95	NO	321.8	0	22.73	NO	322.93	0	38.56	NO
ST-STR-1151	Flowline co	406.116	406.116	0	406.17	0	1.32	YES	406.19	0	2.36	YES	406.23	0	4.03	YES
ST-STR-1152	Channel co	375.226	375.226	0	375.69	0	2.81	YES	375.82	0	4.46	YES	375.99	0	7.01	YES
ST-STR-1153	Conduit co	429.62	436.773	7.153	430.28	0	9.81	YES	430.55	0	17.64	YES	496.71	0	30.73	YES
ST-STR-1154	Conduit co	402.2	416.522	14.322	403.65	0	46.61	YES	404.49	0	79.14	YES	441.78	0	137.23	YES
ST-STR-1155	Conduit co	421.8	437.233	15.433	422.76	0	24.63	YES	423.55	0	41.83	YES	502.57	0	71.82	YES
ST-STR-1156	Manhole	429.626	438.126	8.5	430.38	0	12.93	YES	430.88	0	21.7	YES	435.79	0	29.46	YES
ST-STR-1157	Manhole	443.331	447.831	4.5	443.71	0	2.55	YES	443.83	0	4.46	YES	443.99	0	7.5	YES
ST-STR-1158	Manhole	462.385	469.885	7.5	462.67	0	2.56	YES	462.76	0	4.48	YES	462.87	0	7.53	YES
ST-STR-1159	Manhole	419.264	423.764	4.5	421.69	0	12.79	YES	425.01	0	20.74	YES	425.77	0	25.14	YES
ST-STR-116	DS Headwa	447.138	450.138	3	449.97	0	19.03	YES	450.02	0	27.67	YES	450.07	0	39.47	YES
ST-STR-1160	Manhole	415.8	422.621	6.821	416.91	0	12.92	YES	421.05	0	15.99	YES	423.2	0	15.38	YES
ST-STR-1161	Manhole	403.376	419.876	16.5	408.43	0	22.18	YES	414.27	0	31.37	YES	418.97	0	34.16	YES
ST-STR-1162	Manhole	407.033	411.533	4.5	408.6	0	1.86	YES	415.94	0	3.91	YES	421.22	0	4.14	YES
ST-STR-1163	Manhole	413.4	433.957	20.557	415.02	0	36.89	YES	425.63	0	63.15	YES	487.15	0	109.15	YES
ST-STR-1164	Manhole	407.93	422.158	14.228	409.36	0	37.6	YES	410.16	0	64.08	YES	461.16	0	110.69	YES
ST-STR-1165	Inlet	371.911	377.411	5.5	372.16	2.54	2.54	YES	372.25	4.73	4.73	YES	376.35	8.1	9.94	YES

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ST-STR-1166	Inlet	353.293	357.793	4.5	353.68	3.44	3.44	YES	353.82	6.16	6.16	YES	354.01	10.63	10.63	YES
ST-STR-1167	Inlet	326.427	329.427	3	326.71	0.71	0.71	NO	326.8	1.22	1.22	NO	326.9	1.95	1.95	NO
ST-STR-1168	Spillway	440.891	441.85	0	441.91	0.72	0.72	YES	441.92	1.23	1.23	YES	441.93	1.97	1.97	YES
ST-STR-1169	Spillway	451.819	451.819	0	451.83	0.5	0.5	YES	451.84	0.87	0.87	YES	451.84	1.4	1.4	YES
ST-STR-117	DS Headwa	504	506.222	2.222	504	0	0	YES	504	0	0	YES	504	0	0	YES
ST-STR-1170	Spillway	418.673	418.869	0	419.03	0.18	0.18	YES	419.05	0.27	0.27	YES	419.09	0.42	0.42	YES
ST-STR-1171	Inlet	367.261	372.761	5.5	370.07	2.83	56.13	YES	372.81	4.64	97.95	YES	373.14	7.33	124.47	YES
ST-STR-1172	Inlet	419.441	426.441	7	419.44	0	0	YES	420.31	0	5.27	YES	426.71	0	20.83	YES
ST-STR-1173	Inlet	418	426.009	8.009	418	0	0	YES	418.34	0	6.06	YES	418.77	0	33.25	YES
ST-STR-1175	Inlet	310.585	314.085	3.5	311.06	3.39	3.39	NO	311.18	5.47	5.47	NO	311.33	8.64	8.64	NO
ST-STR-1176	Inlet	370.137	375.637	5.5	370.92	1.8	23.13	YES	371.05	2.98	31.21	YES	371.17	4.87	38.51	YES
ST-STR-1177	Headwall	372.601	374.524	0	372.63	1.69	1.69	YES	372.64	2.8	2.8	YES	372.65	4.58	4.58	YES
ST-STR-1178	Headwall	372.14	372.14	0	374.57	2.71	21.66	YES	375.16	4.26	28.82	YES	375.71	6.67	41.26	YES
ST-STR-1179	Inlet	300.311	304.811	4.5	301.11	0.9	19.04	NO	304.77	1.49	33.29	NO	306.98	2.39	52.55	NO
ST-STR-118	DS Headwa	499.014	499.014	0	499.92	0	25.35	YES	500.27	0	4.87	YES	500.65	0	8.51	YES
ST-STR-1180	Inlet	309.358	313.858	4.5	309.89	8.43	8.43	NO	310.09	14.87	14.87	NO	313.55	25.49	25.49	NO
ST-STR-1181	Inlet	309.882	314.382	4.5	310.24	4.3	4.3	NO	310.37	7.74	7.74	NO	310.85	13.32	13.32	NO
ST-STR-1182	Inlet	306.317	310.817	4.5	306.93	2.55	10.97	NO	307.32	4.61	19.47	NO	311.66	8.09	33.48	NO
ST-STR-1183	Inlet	306.218	310.718	4.5	306.73	2.92	7.21	NO	307.01	5.07	12.8	NO	310.18	8.99	22.15	NO
ST-STR-1184	Inlet	286.7	291.386	4.686	290.55	0.46	16.76	NO	290.95	0.75	23.49	NO	292.45	1.24	27.89	NO
ST-STR-1185	Inlet	287.521	291.021	3.5	292.47	4.46	4.46	NO	294.41	7.35	7.35	NO	295.33	11.67	11.67	NO
ST-STR-1186	Inlet	286.604	290.104	3.5	290.36	1.99	26.76	NO	290.65	3.45	55.73	NO	292.47	5.79	305.29	NO
ST-STR-1187	Inlet	329.608	332.608	3	330.55	13.49	13.49	NO	330.95	23.62	23.62	NO	332.22	42.32	42.32	NO
ST-STR-1189	Inlet	303.682	306.682	3	304.16	7.68	8.5	NO	304.33	13.43	15.09	NO	304.58	23.19	26.07	NO
ST-STR-119	Channel co	454.567	454.91	0	454.65	0	7.24	YES	454.67	0	11.93	YES	454.72	0	20.76	YES
ST-STR-1190	Inlet	300.727	305.727	5	301.38	0.45	6.78	NO	301.64	0.73	11.67	NO	305.51	1.17	18.52	NO
ST-STR-1191	Inlet	299.522	304.522	5	299.93	3.52	3.52	NO	300.04	5.72	5.72	NO	300.18	9.1	9.1	NO
ST-STR-1192	Inlet	296.453	301.453	5	297.1	4.08	7.57	NO	297.29	6.48	12.16	NO	297.55	10.26	19.28	NO
ST-STR-1194	Inlet	296.45	301.45	5	297.35	0.72	7.04	NO	297.7	1.1	12.13	NO	298.06	1.68	19.26	NO
ST-STR-1195	Inlet	433.306	435.306	2	434.62	8.92	11.29	YES	440.96	15.57	19.87	YES	450.82	26.3	33.47	YES
ST-STR-1196	Inlet	432.339	437.339	5	434.01	4.25	15.44	YES	440.09	7.17	27.04	YES	446.56	11.84	45.3	YES
ST-STR-1198	Inlet	444.938	450.438	5.5	445.57	0.7	15.24	YES	445.8	1.13	28.91	YES	446.13	1.79	52.44	YES
ST-STR-1199	Inlet	470.205	475.205	5	470.72	2.66	2.66	YES	470.89	4.41	4.41	YES	473.96	7.16	7.16	YES
ST-STR-12	Cleanout	429	441.503	12.503	429.57	0	4.54	YES	429.75	0	7.69	YES	429.95	0	11.78	YES
ST-STR-1200	Inlet	469.727	475.588	5.861	470.28	0.3	2.95	YES	470.73	0.47	4.86	YES	473.9	0.72	7.7	YES
ST-STR-1201	Inlet	470.747	475.747	5	471.51	7.27	7.27	YES	471.79	12.56	12.56	YES	474.86	20.75	20.75	YES
ST-STR-1202	Inlet	469.845	474.845	5	470.32	2.58	2.58	YES	470.73	4.29	4.29	YES	473.89	6.98	6.98	YES
ST-STR-1203	Inlet	468.335	474.763	6.428	469.46	0.4	14.38	YES	470.56	0.63	24.07	YES	473.38	1	35.07	YES
ST-STR-1204	Inlet	469.45	476.339	6.889	470.23	0.44	7.71	YES	470.72	0.67	13.23	YES	474.04	1.01	21.27	YES
ST-STR-1205	Inlet	469.037	472.037	3	469.52	0.97	0.97	YES	470.6	1.5	1.5	YES	472.58	2.32	5.8	YES
ST-STR-1206	Inlet	471.488	475.988	4.5	471.68	1.09	1.09	YES	471.73	1.7	1.7	YES	471.79	2.61	2.61	YES
ST-STR-1207	Inlet	465.742	472.234	6.492	467.03	2.45	18.88	YES	469.93	4.01	30.54	YES	471.3	6.38	38.08	YES
ST-STR-1208	Inlet	466.243	470.243	4	467.05	1.67	1.67	YES	469.98	2.68	2.68	YES	470.9	4.24	11.1	YES
ST-STR-1209	Inlet	463.5	470.898	7.398	464.89	0.65	21.85	YES	469.02	1	32.09	YES	469.79	1.55	35.27	YES

Existing Condition Junctions Results Summary Table

	Dimensions				2-year				10-year				100-year			
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ST-STR-121	Unimprove	460.402	479.884	0	460.42	0	0.12	YES	460.42	0	0.22	YES	460.43	0	0.35	YES
ST-STR-1210	Inlet	468.745	473.745	5	468.97	1.73	1.73	YES	469.03	2.69	2.69	YES	469.79	4.17	4.17	YES
ST-STR-1211	Inlet	463.95	468.95	5	464.89	1.35	1.35	YES	469.01	2.12	2.38	YES	469.83	3.29	9.74	YES
ST-STR-1212	Inlet	470.033	474.533	4.5	471.11	28.88	28.88	YES	474.65	50.65	50.65	YES	474.75	81.08	81.08	YES
ST-STR-1213	Inlet	459.574	467.932	8.358	463.75	2.14	61.85	YES	467.55	3.44	80.73	YES	468.16	5.46	107.13	YES
ST-STR-1214	Inlet	488.671	493.671	5	489.48	0.32	13.1	YES	489.84	0.51	25.54	YES	494.12	0.79	48.65	YES
ST-STR-1216	Inlet	457.564	466.564	9	463.57	1.98	54.3	YES	467.26	3.08	78.52	YES	467.89	4.76	162.37	YES
ST-STR-1217	Inlet	285.795	290.795	5	286.3	8.97	12.51	NO	286.46	15.31	21.86	NO	286.76	25.27	36.52	NO
ST-STR-1218	Headwall	293.131	293.637	0	293.19	4.78	4.78	NO	293.21	8.82	8.82	NO	293.24	15.13	15.13	NO
ST-STR-1219	Inlet	280.844	285.844	5	282.6	0.07	13.61	NO	283.16	0.1	23.88	NO	284.52	0.15	40.03	NO
ST-STR-122	DS Headwa	389.88	391.386	1.506	391.49	0	144.75	YES	391.62	0	153.3	YES	392.07	0	157.39	YES
ST-STR-1220	Inlet	318.429	323.429	5	318.6	1.63	1.63	NO	318.65	2.8	2.8	NO	318.71	4.72	4.72	NO
ST-STR-1221	Inlet	351.075	356.075	5	351.2	0.92	0.92	YES	351.24	1.53	1.53	YES	351.28	2.49	2.49	YES
ST-STR-1222	Inlet	362.871	367.871	5	363	1.08	1.08	YES	363.04	1.84	1.84	YES	363.09	3.08	3.08	YES
ST-STR-1223	Inlet	465.19	469.69	4.5	465.5	1.31	1.31	YES	465.6	2.33	2.33	YES	465.73	3.96	3.96	YES
ST-STR-1224	Inlet	464.556	470.056	5.5	464.86	1.25	2.56	YES	464.95	2.15	4.47	YES	465.07	3.56	7.52	YES
ST-STR-1225	Inlet	438.166	442.666	4.5	438.73	0.82	3.3	YES	438.93	1.32	5.68	YES	440.6	2.13	9.47	YES
ST-STR-1226	Inlet	433.983	440.483	6.5	434.66	0	6.49	YES	434.92	0	11.23	YES	438.94	0	18.33	YES
ST-STR-1227	Inlet	434.879	439.379	4.5	435.45	3.45	3.45	YES	435.66	5.91	5.91	YES	439.27	9.86	9.86	YES
ST-STR-1228	Inlet	460.503	465.003	4.5	460.69	1.27	1.27	YES	460.75	2.14	2.14	YES	460.81	3.41	3.41	YES
ST-STR-1229	Inlet	430.532	435.032	4.5	431.49	5.47	5.47	YES	432.17	8.95	8.95	YES	437.93	14.31	14.31	YES
ST-STR-123	DS Headwa	421.073	421.073	0	421.4	0	26.08	YES	421.76	0	36.72	YES	424.42	0	52.8	YES
ST-STR-1230	Inlet	417.1	423.222	6.122	418.18	1.3	12.91	YES	421.98	2.13	17.29	YES	423.8	3.42	16.84	YES
ST-STR-1231	Inlet	407.471	411.971	4.5	408.57	0.51	0.64	YES	419.25	0.78	4.16	YES	421.2	1.21	3.4	YES
ST-STR-1232	Inlet	407.64	412.14	4.5	408.59	1.12	1.12	YES	416.02	1.81	2.45	YES	421.2	2.89	2.89	YES
ST-STR-1233	Inlet	405.459	408.959	3.5	415.2	3.48	5.06	YES	418.64	5.58	9.03	YES	421.07	8.83	12.92	YES
ST-STR-1234	Inlet	397	411.119	14.119	397.66	1.6	20.99	YES	397.76	2.57	27.07	YES	397.95	4.04	41.83	YES
ST-STR-1235	Headwall	419.794	419.794	0	420.91	10.21	26.07	YES	421.18	17.49	37.44	YES	421.45	29.29	49.21	YES
ST-STR-1236	Inlet	470.452	474.952	4.5	470.93	1.52	1.52	YES	471.08	2.52	2.52	YES	471.27	4.09	4.09	YES
ST-STR-1237	Inlet	470.312	474.812	4.5	470.51	0.41	2.02	YES	470.56	0.63	3.32	YES	470.63	0.97	5.42	YES
ST-STR-1238	Inlet	497.883	502.883	5	498.5	12.83	12.83	YES	498.77	25.09	25.09	YES	499.2	47.69	47.69	YES
ST-STR-1239	Inlet	469.674	474.674	5	469.84	0.78	0.78	YES	469.87	1.22	1.22	YES	469.92	1.9	1.9	YES
ST-STR-124	DS Headwa	422.797	422.797	0	422.9	0	6.4	YES	422.93	0	10.68	YES	424.42	0	15.89	YES
ST-STR-1240	Inlet	465.8	475.718	9.918	466.05	0.6	2.05	YES	466.12	0.93	3.23	YES	466.19	1.44	5.04	YES
ST-STR-1241	Inlet	476.55	481.55	5	476.71	0.17	0.7	YES	476.75	0.26	1.11	YES	476.79	0.4	1.75	YES
ST-STR-1242	Inlet	480.055	485.055	5	480.2	0.53	0.53	YES	480.24	0.86	0.86	YES	480.29	1.36	1.36	YES
ST-STR-1243	Inlet	483.29	488.29	5	483.35	0.27	0.27	YES	483.37	0.43	0.43	YES	483.38	0.66	0.66	YES
ST-STR-1244	Inlet	426.976	431.976	5	427.37	1.96	1.96	YES	427.49	3.26	3.26	YES	427.65	5.22	5.22	YES
ST-STR-1245	Inlet	458.884	465.884	7	463.67	2.24	57.39	YES	467.33	3.63	83.79	YES	467.97	5.78	106.23	YES
ST-STR-1246	Inlet	437.476	442.476	5	438	2.52	2.77	YES	438.15	4.09	4.5	YES	438.35	6.55	7.18	YES
ST-STR-1247	Inlet	441.629	446.629	5	441.73	0.26	0.26	YES	441.75	0.41	0.41	YES	441.78	0.64	0.64	YES
ST-STR-1248	Inlet	416.141	421.141	5	416.33	0.32	0.32	YES	416.38	0.51	0.51	YES	416.43	0.8	0.8	YES
ST-STR-1249	Inlet	395.467	400.467	5	395.88	1.48	1.79	YES	396.91	2.4	6.06	YES	401.7	3.85	16.62	YES
ST-STR-125	DS Headwa	429.066	429.617	0	429.43	0	15.23	YES	429.55	0	26.51	YES	429.67	0	45.07	YES

Existing Condition Junctions Results Summary Table

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ST-STR-1250	Inlet	394.784	406.784	12	395.09	0.28	2.04	YES	397.02	0.43	12.13	YES	402.09	0.66	13.04	YES
ST-STR-1251	Inlet	393.915	408.915	15	394.26	0.58	2.6	YES	397.15	0.94	11.93	YES	402.15	1.52	11.73	YES
ST-STR-1252	Inlet	395.713	402.713	7	396.62	4.38	6.54	YES	396.92	7.22	10.75	YES	397.4	11.71	17.43	YES
ST-STR-1253	Inlet	396.209	401.209	5	396.71	2.21	2.21	YES	396.98	3.62	3.62	YES	397.45	5.88	5.88	YES
ST-STR-1254	Inlet	389.999	404.999	15	391.24	2.93	48.17	YES	391.71	4.64	84.63	YES	392.23	7.31	127.87	YES
ST-STR-1255	Inlet	388.18	393.18	5	389.17	8.3	8.3	YES	389.55	14.06	14.06	YES	390.72	23.63	23.63	YES
ST-STR-1256	Inlet	386.2	395.214	9.014	386.58	0.58	10.53	YES	386.69	0.96	17.57	YES	386.84	1.57	29.54	YES
ST-STR-1257	Inlet	387.3	392.925	5.625	388.27	1.73	9.99	YES	388.61	2.82	16.81	YES	389.17	4.55	28.01	YES
ST-STR-1258	Inlet	443.519	448.019	4.5	443.62	0.33	0.33	YES	443.65	0.52	0.52	YES	443.68	0.82	0.82	YES
ST-STR-1259	Inlet	432.4	435.599	3.199	435.23	0.98	0.98	YES	435.36	1.64	1.64	YES	436.85	2.69	9.11	YES
ST-STR-126	Unimprove	452.713	454.465	0	452.71	0	0	YES	452.71	0	0	YES	452.71	0	0	YES
ST-STR-1260	Inlet	432	434.959	2.959	435.22	46.96	47.92	YES	435.34	84.26	85.9	YES	436.85	137.2	138.76	YES
ST-STR-1261	Inlet	425.903	430.903	5	426.29	0.49	1.98	YES	426.39	0.78	3.13	YES	426.51	1.24	4.92	YES
ST-STR-1262	Headwall	412.188	412.188	0	412.8	0.28	2.67	YES	413.04	0.43	4.2	YES	414.33	0.65	5.66	YES
ST-STR-1263	Inlet	412.883	415.883	3	413.06	0.29	0.29	YES	413.1	0.45	0.45	YES	414.36	0.69	1.09	YES
ST-STR-1264	Inlet	428.438	433.438	5	428.6	0.4	0.4	YES	428.64	0.64	0.64	YES	428.68	1	1	YES
ST-STR-1265	Unimprove	413.316	413.316	0	413.53	0.41	1.07	YES	413.58	0.64	1.69	YES	414.33	0.99	2.65	YES
ST-STR-1266	Inlet	427.83	434.83	7	428.09	1.1	1.5	YES	428.15	1.73	2.37	YES	428.23	2.71	3.71	YES
ST-STR-1267	Headwall	501.677	501.677	0	502.25	10.24	10.24	YES	502.46	18.66	18.66	YES	502.75	32.25	32.25	YES
ST-STR-1268	Inlet	440.074	445.074	5	440.23	0.35	0.35	YES	441.61	0.54	4.23	YES	443	0.82	4.07	YES
ST-STR-1269	Inlet	434.433	439.433	5	434.65	1.42	1.42	YES	434.7	2.29	2.29	YES	434.77	3.65	3.65	YES
ST-STR-1270	Inlet	430.779	435.779	5	431.6	0.95	41.91	YES	431.7	1.49	52.14	YES	431.76	2.31	57.94	YES
ST-STR-1271	Inlet	433	435.855	2.855	433.19	0.67	1.15	YES	433.23	1.03	1.76	YES	433.28	1.56	2.7	YES
ST-STR-1272	Inlet	438.972	444.456	5.484	440.51	0.3	36.32	YES	445.19	0.49	59.06	YES	446.1	0.72	113.96	YES
ST-STR-1273	Inlet	446.577	451.577	5	446.98	3.41	3.41	YES	447.1	5.78	5.78	YES	447.25	9.6	9.6	YES
ST-STR-1274	Inlet	440.952	445.952	5	441.37	3.71	3.71	YES	445.22	6.3	6.3	YES	446.14	10.47	12.82	YES
ST-STR-1275	Inlet	447.932	453.432	5.5	448.18	1.69	1.69	YES	448.25	2.84	2.84	YES	448.34	4.68	4.68	YES
ST-STR-1276	Inlet	442.996	450.342	7.346	444.02	2.14	30.8	YES	446.16	3.56	50.52	YES	463.89	5.81	100.62	YES
ST-STR-1277	Inlet	445.989	450.989	5	446.09	0.48	0.48	YES	446.12	0.75	0.75	YES	446.15	1.15	1.15	YES
ST-STR-1278	Inlet	433.545	454.07	20.525	441.82	0.33	44.57	YES	442.11	0.53	45.38	YES	442.42	0.84	46.29	YES
ST-STR-1279	Inlet	433.619	441.456	7.837	442.53	105.11	111.28	YES	442.82	183.78	183.78	YES	443.15	315.85	315.85	YES
ST-STR-128	DS Headwa	436.287	436.287	0	439.4	0	8.92	YES	439.4	0	10.12	YES	439.41	0	11.32	YES
ST-STR-1280	Inlet	433.785	442.226	8.441	442.55	2.24	20.89	YES	442.75	3.6	40.43	YES	443.07	5.72	76.69	YES
ST-STR-1281	Inlet	434.215	448.695	14.48	443.33	0.43	18.79	YES	444.79	0.67	30.91	YES	448.05	1.04	50.31	YES
ST-STR-1282	Inlet	434.297	453.455	19.158	443.47	0.17	18.35	YES	445.14	0.29	30.22	YES	448.94	0.46	49.27	YES
ST-STR-1283	Inlet	436.539	441.539	5	444.06	9.28	9.28	YES	446.62	15.66	15.66	YES	452.71	25.78	25.78	YES
ST-STR-1284	Inlet	434.639	442.218	7.579	443.95	0.41	9.69	YES	446.33	0.62	16.29	YES	451.93	0.94	26.72	YES
ST-STR-1285	Inlet	434.421	445.129	10.708	443.7	1.08	18.17	YES	445.75	1.76	29.94	YES	450.42	2.82	48.79	YES
ST-STR-1286	Inlet	434.494	446.578	12.084	443.82	1.29	17.08	YES	446.06	2.01	28.17	YES	451.28	3.12	45.97	YES
ST-STR-1287	Inlet	434.773	438.892	4.119	443.93	0.44	3.13	YES	446.26	0.67	6.47	YES	451.65	1.02	11.38	YES
ST-STR-1288	Inlet	434.91	437.841	2.931	443.9	0.48	3.59	YES	446.16	0.73	7.17	YES	451.38	1.12	12.45	YES
ST-STR-1289	Inlet	434.999	437.499	2.5	443.56	2.28	5.87	YES	444.82	3.66	10.79	YES	447.37	5.8	18.2	YES
ST-STR-1290	Inlet	437.985	441.985	4	443.27	1.45	7.33	YES	443.4	2.31	13.1	YES	444.03	3.63	60.47	YES
ST-STR-1291	Inlet	472.587	478.087	5.5	472.95	2.81	8.81	YES	473.07	5.01	15.68	YES	473.21	8.63	26.51	YES

Existing Condition Junctions Results Summary Table

	Dimensions				2-year				10-year				100-year			
Facility ID	Type	Invert Elevation (feet)	Rim Elevation (feet)	Depth (feet)	Max. HGL (2-year) (feet)	Max. Lateral Inflow (2-year) (cfs)	Max. Total Inflow (2-year) (cfs)	Surcharging (2-year)	Max. HGL (10-year) (feet)	Max. Lateral Inflow (10-year) (cfs)	Max. Total Inflow (10-year) (cfs)	Surcharging (10-year)	Max. HGL (100-year) (feet)	Max. Lateral Inflow (100-year) (cfs)	Max. Total Inflow (100-year) (cfs)	Surcharging (100-year)
ST-STR-1292	Inlet	472.786	478.286	5.5	473.55	6.02	6.02	YES	473.83	10.71	10.71	YES	474.19	17.94	17.94	YES
ST-STR-1293	Inlet	452.047	457.047	5	452.28	0.11	0.67	YES	452.34	0.17	1.08	YES	452.41	0.27	1.72	YES
ST-STR-1294	Inlet	451.19	456.19	5	451.32	0.16	0.81	YES	451.36	0.26	1.32	YES	451.4	0.4	2.1	YES
ST-STR-1295	Inlet	452.8	458.152	5.352	453.01	0.05	0.57	YES	453.07	0.08	0.92	YES	453.13	0.15	1.48	YES
ST-STR-1296	Inlet	453.638	458.638	5	453.82	0.48	0.48	YES	453.87	0.77	0.77	YES	453.93	1.23	1.23	YES
ST-STR-1297	Inlet	453.183	458.183	5	453.42	0.05	0.52	YES	453.48	0.07	0.84	YES	453.56	0.11	1.34	YES
ST-STR-1298	Inlet	427.572	433.072	5.5	431.62	16.74	16.74	YES	435.26	30.38	30.38	YES	436.99	54.98	54.98	YES
ST-STR-1299	Headwall	495.501	495.501	0	495.65	0.53	0.82	YES	495.66	0.86	0.86	YES	495.68	1.33	1.33	YES
ST-STR-13	Cleanout	424.5	432.562	8.062	426.42	0	53.36	YES	433.7	0	97.2	YES	434.68	0	97.61	YES
ST-STR-130	Unimprove	450.604	450.604	0	450.74	0	3.15	YES	450.79	0	5.35	YES	450.86	0	8.66	YES
ST-STR-1300	Inlet	370.654	376.654	6	371.91	24.8	24.8	YES	372.36	41.87	41.87	YES	373.17	69.51	69.51	YES
ST-STR-1301	Inlet	391.6	402.97	11.37	392.98	1.86	48.28	YES	393.59	3.11	81.52	YES	407.25	5.11	142.27	YES
ST-STR-1302	Inlet	386.39	398.826	12.436	387.38	2.67	50.7	YES	387.72	4.45	85.5	YES	393.07	7.32	149.49	YES
ST-STR-1303	Inlet	372.6	378.941	6.341	374.41	0.12	60.57	YES	375.08	0.19	102.09	YES	376.39	0.28	169.61	YES
ST-STR-1304	Inlet	435.55	441.67	6.12	436.15	4.92	4.92	YES	436.39	8.83	8.83	YES	506.41	15.48	15.48	YES
ST-STR-1305	Inlet	441.27	449.524	8.254	441.68	4.98	4.98	YES	441.82	8.83	8.83	YES	514.46	15.15	15.15	YES
ST-STR-1306	Inlet	430.42	437.457	7.037	431.6	5.01	9.9	YES	434.15	8.89	17.64	YES	503.92	15.34	30.74	YES
ST-STR-1307	Inlet	433.55	441.867	8.317	433.81	0.76	0.76	YES	433.89	1.23	1.23	YES	521.91	1.98	10.2	YES
ST-STR-1308	Inlet	447	454.616	7.616	447.63	2.75	2.75	YES	447.86	4.77	4.77	YES	515.62	7.92	7.92	YES
ST-STR-1309	Inlet	444.94	452.229	7.289	445.33	0.85	4.19	YES	445.45	1.4	7.15	YES	514.82	2.31	12.15	YES
ST-STR-131	Conduit co	427	431.233	4.233	428.6	0	9.65	YES	428.87	0	11.56	YES	429.21	0	12.95	YES
ST-STR-1310	Inlet	435.68	443.849	8.169	435.81	1.18	1.18	YES	435.85	1.88	1.88	YES	505.52	2.96	4.5	YES
ST-STR-1311	Inlet	426.07	440.735	14.665	426.7	0.78	11.47	YES	426.91	1.22	19.62	YES	504.78	1.89	33.61	YES
ST-STR-1312	Inlet	425.46	437.154	11.694	426.17	8.23	13.01	YES	426.42	13.85	22.14	YES	505.42	23.72	41.28	YES
ST-STR-1313	Inlet	454.8	470.709	15.909	455.07	2.24	2.24	YES	455.16	3.93	3.93	YES	535.01	6.58	14.64	YES
ST-STR-1314	Inlet	412.9	421.039	8.139	413.05	0.62	0.62	YES	413.09	0.98	0.98	YES	461.23	1.53	4.54	YES
ST-STR-1315	Inlet	439.21	447.819	8.609	439.6	0.97	3.1	YES	439.73	1.67	5.45	YES	527.08	2.7	11.94	YES
ST-STR-1316	Inlet	429.98	442.532	12.552	430.24	0.27	1.64	YES	430.31	0.42	2.61	YES	504.96	0.67	9.04	YES
ST-STR-1317	Inlet	406.5	414.63	8.13	406.89	1.59	1.59	YES	407.02	2.66	2.66	YES	442.5	4.23	7.68	YES
ST-STR-1318	Inlet	446.8	454.93	8.13	447.26	0.61	3.36	YES	447.41	1	5.93	YES	515.39	1.64	9.51	YES
ST-STR-1319	Inlet	422.16	437.253	15.093	423.13	0.24	24.64	YES	423.78	0.37	42.03	YES	503.27	0.56	71.79	YES
ST-STR-132	DS Headwa	413.451	414.451	1	415.08	0	17	YES	415.32	0	29.86	YES	415.72	0	53.49	YES
ST-STR-1320	Inlet	440.61	448.741	8.131	440.8	1.41	1.41	YES	440.85	2.38	2.38	YES	521.94	3.77	6.77	YES
ST-STR-1321	Inlet	425.9	434.028	8.128	426.35	2.54	12.3	YES	426.51	4.19	21.76	YES	491.86	6.77	37.47	YES
ST-STR-1322	Inlet	432.62	443.875	11.255	432.85	0.2	1.38	YES	432.91	0.32	2.2	YES	505.47	0.5	7.02	YES
ST-STR-1323	Inlet	405.99	414.128	8.138	406.53	8.15	9.71	YES	406.69	13.78	16.4	YES	442.47	22.67	26.88	YES
ST-STR-1324	Inlet	373	391.797	18.797	373.18	1.29	1.29	YES	373.22	2.05	2.05	YES	373.27	3.26	3.26	YES
ST-STR-1326	Inlet	366.46	390.013	23.553	367.67	0.54	30.52	YES	368.05	0.84	47.29	YES	372.11	1.29	69.55	YES
ST-STR-1327	Inlet	368	387.892	19.892	369.1	0.24	30.23	YES	369.43	0.38	46.68	YES	372.5	0.6	69.25	YES
ST-STR-1328	Unimprove	405.627	405.627	0	405.79	0	20.21	YES	405.79	0	22	YES	405.83	0	42.62	YES
ST-STR-1329	Headwall	386.848	386.848	0	386.85	0	0	YES	386.85	0	0	YES	386.85	0	0	YES
ST-STR-133	DS Headwa	397	401.214	4.214	399.15	0	23.94	YES	399.28	0	32.27	YES	399.38	0	38.72	YES
ST-STR-1330	Inlet	361.25	388.128	26.878	362.87	0.15	30.59	YES	363.58	0.23	47.44	YES	365.16	0.35	69.78	YES
ST-STR-1331	Inlet	418.4	426.734	8.334	418.93	0.77	4.08	YES	419.14	1.46	7.62	YES	419.43	2.42	13.21	YES

Existing Condition Junctions Results Summary Table

	Dimensions				2-year				10-year				100-year			
Facility ID	Type	Invert Elevation (feet)	Rim Elevation (feet)	Depth (feet)	Max. HGL (2-year) (feet)	Max. Lateral Inflow (2-year) (cfs)	Max. Total Inflow (2-year) (cfs)	Surcharging (2-year)	Max. HGL (10-year) (feet)	Max. Lateral Inflow (10-year) (cfs)	Max. Total Inflow (10-year) (cfs)	Surcharging (10-year)	Max. HGL (100-year) (feet)	Max. Lateral Inflow (100-year) (cfs)	Max. Total Inflow (100-year) (cfs)	Surcharging (100-year)
ST-STR-1332	Inlet	427.13	429.198	2.068	427.45	1.07	1.07	YES	427.59	2.18	2.18	YES	427.74	3.96	3.96	YES
ST-STR-1333	Cleanout	419.38	429.337	9.957	419.97	0	2.42	YES	420.19	0	4.26	YES	420.56	0	7.31	YES
ST-STR-1334	Inlet	423.3	432.756	9.456	423.71	0.18	2.44	YES	423.85	0.28	4.29	YES	424.05	0.43	7.36	YES
ST-STR-1335	Inlet	425.45	434.69	9.24	425.83	0.14	2.28	YES	425.97	0.22	4.04	YES	426.15	0.34	6.98	YES
ST-STR-1336	Inlet	427.56	436.554	8.994	427.91	0.2	2.17	YES	428.03	0.31	3.86	YES	428.2	0.49	6.69	YES
ST-STR-1337	Inlet	430	438.444	8.444	430.38	1.97	1.97	YES	430.51	3.55	3.55	YES	430.7	6.21	6.21	YES
ST-STR-1338	Inlet	415.78	425.215	9.435	416.1	0.05	4.11	YES	416.22	0.08	7.67	YES	416.36	0.12	13.3	YES
ST-STR-1339	Inlet	417.06	425.185	8.125	417.27	0.17	0.78	YES	417.31	0.26	1.22	YES	417.38	0.39	1.88	YES
ST-STR-134	Headwall	437.086	437.086	0	439.12	3.96	9.53	YES	439.66	6.75	16.01	YES	439.7	11.66	21.75	YES
ST-STR-1340	Inlet	415.53	423.837	8.307	415.85	2.64	3.4	YES	415.97	5.14	6.32	YES	416.12	9.02	10.86	YES
ST-STR-1341	Outlet	404.327	404.327	0	404.49	0	3.4	YES	404.53	0	6.32	YES	404.58	0	10.85	YES
ST-STR-1342	DS Headwa	381.44	381.44	0	381.73	0	4.25	YES	381.81	0	7.89	YES	381.89	0	13.63	YES
ST-STR-1343	Inlet	423.62	425.75	2.13	423.72	0.05	0.05	YES	423.74	0.08	0.08	YES	423.77	0.13	0.13	YES
ST-STR-1344	Channel Co	423.07	425.202	2.132	423.12	0	0.05	YES	423.13	0	0.08	YES	423.15	0	0.12	YES
ST-STR-1345	Inlet	423.84	425.933	2.093	424.12	0.58	0.58	YES	424.18	0.9	0.9	YES	424.25	1.39	1.39	YES
ST-STR-1346	Inlet	427.47	435.598	8.128	435.9	0.89	21.93	YES	436.6	1.41	25.16	YES	437.05	2.19	30.1	YES
ST-STR-1347	Inlet	427.06	435.532	8.472	434.38	0.6	0.6	YES	434.98	0.91	0.91	YES	435.66	1.4	1.4	YES
ST-STR-1348	DS Headwa	422.786	422.786	0	424.03	0	20.21	YES	424.07	0	22	YES	424.43	0	42.62	YES
ST-STR-1349	Outlet	419.982	419.982	0	419.99	0	0.3	YES	420	0	0.47	YES	420	0	0.76	YES
ST-STR-135	Unimprove	448.398	448.668	0	448.4	0	0	YES	448.4	0	0	YES	448.4	0	0	YES
ST-STR-1350	Inlet	417	425.264	8.264	417.05	0.16	0.16	YES	417.06	0.24	0.24	YES	417.08	0.38	0.38	YES
ST-STR-1351	Channel Co	378.818	378.818	0	378.82	0	0	YES	378.82	0	0	YES	378.82	0	0	YES
ST-STR-1352	Inlet	454.41	461.531	7.121	454.58	0.99	0.99	YES	459.77	1.71	1.71	YES	461.98	2.81	2.81	YES
ST-STR-1353	Inlet	459.72	465.839	6.119	460.13	2.6	2.6	YES	482.1	4.43	4.63	YES	478.13	7.24	7.24	YES
ST-STR-1354	Inlet	458.887	465.476	6.589	459.58	1.92	4.51	YES	480.93	3.32	8.99	YES	477.25	5.52	12.76	YES
ST-STR-1355	Inlet	462.2	469.35	7.15	462.63	3.07	3.07	YES	468.42	5.32	5.32	YES	470.33	8.82	8.82	YES
ST-STR-1356	Inlet	461.25	469.366	8.116	461.72	1.74	4.81	YES	467.89	3.01	8.31	YES	470.06	4.97	13.79	YES
ST-STR-1357	Inlet	454.3	461.807	7.507	457.83	0.22	0.88	YES	463.31	0.39	2.67	YES	465.26	0.63	5.98	YES
ST-STR-1358	Inlet	454	461.576	7.576	457.77	3.92	11.64	YES	463.24	6.95	19.43	YES	465.2	11.71	31.44	YES
ST-STR-1359	Conduit co	455.285	466.09	10.805	458.22	0	9.1	YES	465.03	0	16.98	YES	467.75	0	26.56	YES
ST-STR-136	DS Headwa	451.007	451.007	0	451.01	0	0	YES	451.01	0	0	YES	451.01	0	0	YES
ST-STR-1360	Inlet	455.3	462.804	7.504	455.74	3.29	3.29	YES	461.91	5.92	5.92	YES	464.79	10.5	10.5	YES
ST-STR-1361	Cleanout	450	462.577	12.577	454.57	0	12.59	YES	461.69	0	15.33	YES	463.65	0	17.56	YES
ST-STR-1362	Inlet	452.54	462.656	10.116	454.87	0.57	0.57	YES	461.84	0.92	0.92	YES	463.76	1.45	1.45	YES
ST-STR-1363	Inlet	456.78	462.897	6.117	457	1.11	1.11	YES	461.89	1.92	1.92	YES	464.67	3.2	3.2	YES
ST-STR-1364	Inlet	456.27	463.403	7.133	456.52	1.11	1.11	YES	457.13	1.89	1.89	YES	468.11	3.1	4.17	YES
ST-STR-1365	Inlet	455.84	462.968	7.128	456.15	1.73	1.73	YES	457.16	2.98	2.98	YES	468	4.91	4.91	YES
ST-STR-1366	Inlet	451.63	459.761	8.131	451.75	0.53	0.53	YES	457.05	0.87	1.98	YES	460.87	1.38	1.38	YES
ST-STR-1367	Inlet	446.59	454.724	8.134	446.92	2.24	2.85	YES	451.15	3.77	4.74	YES	456.45	6.07	7.76	YES
ST-STR-1368	Inlet	447.52	455.647	8.127	447.72	0.62	0.62	YES	451.11	1.05	1.37	YES	456.47	1.69	1.69	YES
ST-STR-1369	Inlet	445.15	454.279	9.129	445.3	0.7	0.7	YES	451.07	1.5	1.5	YES	456.18	2.96	2.96	YES
ST-STR-137	Inlet	433.086	436.086	3	436.44	1.89	22.41	YES	436.58	3.37	38.12	YES	436.77	5.73	65.71	YES
ST-STR-1370	Cleanout	455.02	463.149	8.129	455.42	0	2.83	YES	457.17	0	4.87	YES	467.72	0	8.02	YES
ST-STR-1371	Cleanout	454.84	462.956	8.116	455.23	0	4.4	YES	461.91	0	8	YES	464.66	0	13.72	YES

Existing Condition Junctions Results Summary Table

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ST-STR-1372	Inlet	451.2	461.323	10.123	452.92	1.37	1.37	YES	460.11	2.26	2.26	YES	462.25	3.57	3.57	YES
ST-STR-1373	Cleanout	448.145	461.115	12.97	452.53	0	13.25	YES	459.72	0	14.9	YES	461.9	0	16.38	YES
ST-STR-1374	Cleanout	442.295	454.852	12.557	445.15	0	22.66	YES	451.03	0	27.31	YES	456.12	0	37.81	YES
ST-STR-1375	Cleanout	426.48	434.608	8.128	434.38	0	20.24	YES	434.94	0	20.47	YES	435.62	0	22.19	YES
ST-STR-1376	Conduit co	450.383	463.009	12.626	454.87	0	10.57	YES	461.84	0	11.4	YES	463.72	0	11.36	YES
ST-STR-1377	Cleanout	453.29	461.411	8.121	453.48	0	0.99	YES	459.8	0	1.95	YES	462	0	2.84	YES
ST-STR-1378	Cleanout	448.479	461.429	12.95	452.92	0	12.99	YES	460.1	0	14.93	YES	462.19	0	15.83	YES
ST-STR-1379	Cleanout	445.945	459.331	13.386	449.94	0	15.69	YES	456.93	0	19.25	YES	460.3	0	23.55	YES
ST-STR-138	DS Headwa	407.161	407.716	0	407.19	0	1.83	YES	407.21	0	3.3	YES	407.22	0	5.54	YES
ST-STR-1380	Inlet	447.26	455.389	8.129	447.6	4.87	4.87	YES	451.13	8.26	8.26	YES	456.58	13.45	13.45	YES
ST-STR-1381	Channel Co	454.914	458.048	3.134	454.91	0	0	YES	454.91	0	0	YES	454.91	0	0	YES
ST-STR-1382	Channel Co	452.05	455.67	3.62	452.05	0	0	YES	452.05	0	0	YES	452.05	0	0	YES
ST-STR-1383	Channel co	450.87	452.906	2.036	450.87	0	0	YES	450.87	0	0	YES	450.87	0	0	YES
ST-STR-1384	Channel Co	446.342	449.962	3.62	446.34	0	0	YES	446.34	0	0	YES	446.34	0	0	YES
ST-STR-1385	Channel Co	443.954	447.574	3.62	443.95	0	0	YES	443.95	0	0	YES	443.95	0	0	YES
ST-STR-1386	Channel Co	440.498	444.118	3.62	440.5	0	0	YES	440.5	0	0	YES	440.5	0	0	YES
ST-STR-1387	Channel Co	437.81	441.43	3.62	437.81	0	0	YES	437.81	0	0	YES	437.81	0	0	YES
ST-STR-1388	Channel Co	434.691	438.311	3.62	434.69	0	0	YES	434.69	0	0	YES	434.69	0	0	YES
ST-STR-1389	Channel Co	433.39	437.01	3.62	433.39	0	0	YES	433.39	0	0	YES	433.39	0	0	YES
ST-STR-139	DS Headwa	455.323	455.323	0	457.47	0	2.7	YES	457.48	0	4.51	YES	457.5	0	6.32	YES
ST-STR-1390	Channel Co	424.885	427.015	2.13	425.1	0	1.05	YES	425.19	0	2.15	YES	425.29	0	3.9	YES
ST-STR-1391	Channel Co	425.515	427.657	2.142	425.9	0	1.06	YES	426.05	0	2.16	YES	426.21	0	3.94	YES
ST-STR-1392	Conduit co	448.899	460.179	11.28	449.96	0	3.32	YES	457.07	0	6.14	YES	460.9	0	9.5	YES
ST-STR-1393	Conduit co	399.535	405.165	5.63	399.83	0	4.25	YES	399.94	0	7.89	YES	400.08	0	13.63	YES
ST-STR-1394	Inlet	423.75	430.339	6.589	423.89	0.3	0.3	YES	423.92	0.48	0.48	YES	423.96	0.76	0.76	YES
ST-STR-1395	Inlet	423.5	427.792	4.292	425.66	1.53	20.21	YES	425.99	2.54	22	YES	431.39	3.84	42.62	YES
ST-STR-1396	Channel Co	458.121	460.241	2.12	458.12	0	0	YES	458.12	0	0	YES	458.12	0	0	YES
ST-STR-1397	Channel Co	423.004	425.134	2.13	423.17	0	0.57	YES	423.2	0	0.89	YES	423.25	0	1.39	YES
ST-STR-1398	Headwall	372.025	372.025	0	372.74	2.17	30.1	YES	372.93	5.77	46.4	YES	373.47	10.68	69.14	YES
ST-STR-1399	Headwall	392.179	392.179	0	393.05	1.78	24.58	YES	393.22	5.84	33.99	YES	393.57	12.3	55.88	YES
ST-STR-14	Cleanout	422.52	433.735	11.215	424.8	0	53.35	YES	432.26	0	85.72	YES	434.47	0	100.9	YES
ST-STR-1400	DS Headwa	378.247	378.247	0	378.86	0	24.54	YES	378.93	0	33.69	YES	379.08	0	55.87	YES
ST-STR-1401	Channel Co	373.582	373.582	0	374.5	0	28.85	YES	374.61	0	41.96	YES	374.78	0	63.24	YES
ST-STR-1402	Channel Co	376.559	376.559	0	377.02	0	28.6	YES	377.09	0	41.54	YES	377.17	0	62.96	YES
ST-STR-1403	Headwall	456.759	456.759	0	457.78	0.7	0.7	YES	463.3	2.27	2.27	YES	465.29	5.35	5.35	YES
ST-STR-1404	Inlet	428.767	430.887	2.12	428.92	0.72	0.72	YES	429.04	2.44	2.44	YES	429.19	6.14	6.14	YES
ST-STR-1405	Inlet	379.51	381.626	2.116	379.71	0.78	1.36	YES	379.86	2.41	4.44	YES	380.04	4.71	10.5	YES
ST-STR-1406	Inlet	345.55	347.674	2.124	345.87	0.9	2.8	YES	346.13	2.88	9.62	YES	346.48	6.32	23.67	YES
ST-STR-1407	Inlet	322.304	322.304	0	322.39	0.09	2.81	NO	322.46	0.15	9.67	NO	322.55	0.25	23.78	NO
ST-STR-1408	Inlet	425.492	427.612	2.12	425.65	0.7	0.7	YES	425.78	2.37	2.37	YES	425.94	5.99	5.99	YES
ST-STR-1409	Inlet	390.33	392.453	2.123	390.54	0.82	1.51	YES	390.71	2.84	5.21	YES	390.93	7.35	13.29	YES
ST-STR-141	DS Headwa	436.1	436.1	0	439.43	0	3.72	YES	439.44	0	6.14	YES	439.45	0	7.22	YES
ST-STR-1410	Inlet	337.828	337.828	0	337.9	0.24	2.01	NO	337.96	0.46	6.18	NO	338.04	0.76	14.21	NO
ST-STR-1411	Inlet	436.348	438.478	2.13	436.43	0.19	0.19	YES	436.5	0.63	0.63	YES	436.57	1.46	1.46	YES

Existing Condition Junctions Results Summary Table

	Dimensions				2-year				10-year				100-year			
Facility ID	Type	Invert Elevation (feet)	Rim Elevation (feet)	Depth (feet)	Max. HGL (2-year) (feet)	Max. Lateral Inflow (2-year) (cfs)	Max. Total Inflow (2-year) (cfs)	Surcharging (2-year)	Max. HGL (10-year) (feet)	Max. Lateral Inflow (10-year) (cfs)	Max. Total Inflow (10-year) (cfs)	Surcharging (10-year)	Max. HGL (100-year) (feet)	Max. Lateral Inflow (100-year) (cfs)	Max. Total Inflow (100-year) (cfs)	Surcharging (100-year)
ST-STR-1412	Inlet	402.12	404.423	2.303	402.26	0.42	0.65	YES	402.37	1.34	2.11	YES	402.49	2.94	4.69	YES
ST-STR-1413	Inlet	379.62	381.752	2.132	379.81	0.3	1.29	YES	379.95	0.96	4.14	YES	380.09	2.06	8.99	YES
ST-STR-1414	Inlet	340.225	340.225	0	340.38	0.35	1.32	NO	340.46	0.76	4.03	NO	340.54	1.28	8.19	NO
ST-STR-1415	Inlet	367.81	369.935	2.125	368.08	0.93	2.53	YES	368.27	3.02	8.44	YES	368.5	6.73	21.2	YES
ST-STR-1416	Inlet	390.532	390.532	0	390.53	0	0	YES	390.53	0	0	YES	390.53	0	0	YES
ST-STR-1417	Inlet	351.842	351.842	0	351.84	0	0	YES	351.84	0	0	YES	351.84	0	0	YES
ST-STR-1418	Unimprove	395.139	395.139	0	395.14	0	0	YES	395.14	0	0	YES	395.14	0	0	YES
ST-STR-1419	Headwall	411.318	411.318	0	411.32	0	0	YES	411.32	0	0	YES	411.32	0	0	YES
ST-STR-142	DS Headwa	426.066	426.066	0	427.02	0	15.3	YES	427.17	0	27.49	YES	427.33	0	46.36	YES
ST-STR-1420	Headwall	420.914	420.914	0	421.02	0.07	0.07	YES	421.07	0.19	0.19	YES	421.11	0.33	0.33	YES
ST-STR-1421	Headwall	426.15	426.15	0	426.33	0.34	0.34	YES	426.44	1.08	1.08	YES	426.53	2.34	2.34	YES
ST-STR-1422	Inlet	440	447.678	7.678	440.6	3.57	8.16	YES	440.82	6.29	14.44	YES	441.27	10.54	24.29	YES
ST-STR-1423	Conduit co	392.52	402.84	10.32	394.22	1.34	33.74	YES	402.75	2.11	61.45	YES	406.99	3.3	104.76	YES
ST-STR-1424	Inlet	451.59	459.716	8.126	452.19	3.48	3.48	YES	452.42	6.22	6.22	YES	452.83	10.53	10.53	YES
ST-STR-1425	Inlet	393.589	401.935	8.346	395.13	11.11	32.63	YES	411.62	19.66	59.32	YES	415.19	34.64	101.46	YES
ST-STR-1426	Inlet	391.75	402.436	10.686	393.81	3.23	39.17	YES	401.27	5.49	70.3	YES	402.43	9.09	113.87	YES
ST-STR-1427	Inlet	451.26	459.386	8.126	451.73	1.2	4.67	YES	451.89	2.07	8.28	YES	452.12	3.46	13.95	YES
ST-STR-1428	Inlet	395.14	402.376	7.236	396.28	15.38	22.52	YES	426.51	26.91	39.8	YES	420.02	47.22	67.2	YES
ST-STR-1429	Inlet	396.124	401.754	5.63	396.12	0	0	YES	396.12	0	0	YES	396.12	0	0	YES
ST-STR-1433	DS Headwa	465.982	465.982	0	466.94	0	0.97	YES	466.95	0	1.61	YES	466.96	0	2.59	YES
ST-STR-1434	Inlet	411.082	420.582	9.5	412.01	6.71	18.55	YES	417.58	11.15	25.06	YES	421.66	18.33	27.13	YES
ST-STR-1435	DS Headwa	378.15	378.15	0	378.33	0	20.99	YES	378.36	0	27.07	YES	378.42	0	41.83	YES
ST-STR-1436	Headwall	440.799	440.799	0	440.8	0	0	YES	440.8	0	0	YES	440.8	0	0	YES
ST-STR-1439	Headwall	378.836	378.836	0	378.84	0	0	YES	378.84	0	0	YES	378.84	0	0	YES
ST-STR-144	DS Headwa	447.833	447.833	0	449.4	0	3.28	YES	449.44	0	4.92	YES	449.45	0	5.54	YES
ST-STR-1440	Headwall	342.941	343.503	0	342.94	0	0	YES	342.94	0	0	YES	342.94	0	0	YES
ST-STR-1441	Inlet	292.767	298.545	5.778	293.88	3.81	3.81	NO	298.94	6.57	6.57	NO	299.05	10.75	33.91	NO
ST-STR-1442	Inlet	297.747	303.535	5.788	298.34	21.41	21.41	NO	299.53	37.09	37.09	NO	301.18	62.26	62.26	NO
ST-STR-1443	Inlet	299.747	305.53	5.783	299.99	1.25	1.25	NO	300.07	2.16	2.16	NO	300.15	3.48	3.48	NO
ST-STR-1444	Inlet	294.587	300.365	5.778	295.07	0.12	8.94	NO	296.6	0.19	15.33	NO	297.59	0.29	26.05	NO
ST-STR-1445	Inlet	298.607	304.387	5.78	299.03	7.6	8.84	NO	299.16	13	15.15	NO	299.36	22.31	25.77	NO
ST-STR-1446	Inlet	292.467	295.249	2.782	293.24	1.64	7.72	NO	295.95	2.78	24.31	NO	296.2	4.43	50.79	NO
ST-STR-1447	Cleanout	290.937	297.656	6.719	292.55	0	35.78	NO	296.4	0	55.22	NO	297.06	0	64.13	NO
ST-STR-1448	Inlet	277.806	281.806	4	282.67	3.63	38.66	NO	282.83	5.82	47.34	NO	282.96	9.2	66.41	NO
ST-STR-1449	Inlet	292.407	298.19	5.783	293.85	0.07	25.21	NO	299.01	0.11	40.28	NO	299.43	0.18	62.5	NO
ST-STR-145	DS Headwa	443.669	443.669	0	444.22	0	7.82	YES	444.29	0	14.15	YES	444.37	0	22.82	YES
ST-STR-1450	Inlet	431.82	439.226	7.406	432.21	0.94	3.57	YES	432.33	1.52	6.01	YES	432.47	2.43	9.69	YES
ST-STR-1451	Conduit co	336.08	357.698	21.618	337.23	0	41.94	NO	337.5	0	60.75	NO	337.86	0	86.09	NO
ST-STR-1452	Inlet	348.62	355.955	7.335	349.13	2.53	22.14	YES	349.28	4.46	35.66	YES	349.48	7.53	55.45	YES
ST-STR-1453	Inlet	412.22	420.404	8.184	412.47	0.6	0.6	YES	412.55	0.96	0.96	YES	412.65	1.53	1.53	YES
ST-STR-1454	Outlet	407.928	407.928	0	407.98	0	3.55	YES	408	0	5.98	YES	408.02	0	9.64	YES
ST-STR-1455	Headwall	342.317	342.317	0	343.3	0.46	25.09	YES	343.43	0.71	31.08	YES	343.51	1.09	35.41	YES
ST-STR-1456	Headwall	360.341	360.341	0	361	0.46	7.94	YES	361.15	0.75	11.53	YES	361.28	1.23	16.1	YES
ST-STR-1457	Headwall	374.544	374.544	0	375.7	11.32	13.15	YES	376.26	19.67	23.42	YES	377.79	32.79	39.61	YES

Existing Condition Junctions Results Summary Table

	Dimensions				2-year				10-year				100-year			
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ST-STR-1458	Inlet	432.82	440.412	7.592	433.16	2.64	2.64	YES	433.27	4.51	4.51	YES	433.39	7.27	7.27	YES
ST-STR-1459	Headwall	387.525	387.525	0	388.15	7.59	8.67	YES	388.36	12.99	14.8	YES	388.71	22.98	25.98	YES
ST-STR-1460	Inlet	411.92	418.789	6.869	412.26	0.72	1.32	YES	412.35	1.18	2.13	YES	412.46	1.92	3.44	YES
ST-STR-1461	DS Headwa	383.685	383.685	0	383.79	0	6.38	YES	383.81	0	10.77	YES	383.83	0	18.39	YES
ST-STR-1462	Outlet	373.477	373.477	0	373.66	0	12.15	YES	373.69	0	19.8	YES	373.71	0	23.93	YES
ST-STR-1463	Outlet	355.51	355.51	0	355.78	0	7.93	YES	355.82	0	11.52	YES	356.56	0	16.44	YES
ST-STR-1464	Outlet	406.459	406.459	0	406.49	0	1.3	YES	406.49	0	2.11	YES	406.51	0	3.41	YES
ST-STR-1465	Conduit co	337.12	357.484	20.364	338.14	0	41.87	NO	338.4	0	60.67	NO	338.73	0	86.06	NO
ST-STR-1466	Inlet	350.45	356.52	6.07	351.54	19.6	19.6	YES	353.45	31.33	31.33	YES	356.78	49.25	49.25	YES
ST-STR-1467	Outlet	345.995	345.995	0	346.6	0	25.01	YES	346.66	0	30.98	YES	346.69	0	35.28	YES
ST-STR-1468	Headwall	365.027	365.027	0	366.81	8.94	13.26	YES	367.64	14.4	22.04	YES	369.06	22.49	36.6	YES
ST-STR-1469	Outlet	360.448	360.448	0	361.01	0	7.84	YES	361.16	0	11.35	YES	361.29	0	15.49	YES
ST-STR-147	DS Headwa	443.867	443.867	0	444	0.88	10.98	YES	444.09	1.48	24.78	YES	444.18	2.38	43.09	YES
ST-STR-1470	Headwall	354.155	354.155	0	355.96	15.53	24.96	YES	357.15	26.72	42.69	YES	359.23	43.28	63.7	YES
ST-STR-1471	Outlet	353.954	353.954	0	354.54	0	16.05	YES	355.87	0	19.83	YES	358.02	0	19.03	YES
ST-STR-1472	Headwall	350.949	350.949	0	352.95	1.48	16.4	YES	355.87	2.25	20.4	YES	358.02	3.43	21.15	YES
ST-STR-1473	Outlet	350.105	350.105	0	351.78	0	16.6	YES	354.39	0	19.15	YES	356.56	0	19.5	YES
ST-STR-1474	Headwall	348.91	348.91	0	351.77	7.81	25.09	YES	354.38	12.58	31.08	YES	356.56	19.61	35.44	YES
ST-STR-1475	Channel Co	388.104	390.234	2.13	388.29	0	3.34	YES	388.34	0	5.7	YES	388.39	0	9.27	YES
ST-STR-1476	Channel Co	349.134	349.134	0	351.77	0	23.96	YES	354.38	0	29.82	YES	356.56	0	33.65	YES
ST-STR-1477	DS Headwa	348.967	348.967	0	349.52	0	39.48	YES	350.46	0	94.64	YES	351.99	0	181.5	YES
ST-STR-1478	Inlet	372.14	378.539	6.399	372.92	2.32	16.24	YES	373.28	4.14	29.25	YES	379.38	7.25	47.2	YES
ST-STR-1479	Inlet	373.61	378.66	5.05	374.48	13.9	13.9	YES	375.36	25.13	25.13	YES	379.58	44.43	44.43	YES
ST-STR-148	DS Headwa	441.059	441.059	0	441.48	0	1.39	YES	441.5	0	1.5	YES	441.52	0	1.6	YES
ST-STR-1480	Cleanout	412.19	426.462	14.272	413.05	0	13.85	YES	413.4	0	24.86	YES	417.32	0	43.81	YES
ST-STR-1481	Inlet	414.5	421.106	6.606	415.54	13.82	13.82	YES	416.04	24.86	24.86	YES	422.78	43.81	43.81	YES
ST-STR-1482	DS Headwa	408.751	408.751	0	408.81	0	13.85	YES	408.83	0	24.83	YES	408.86	0	43.81	YES
ST-STR-1483	Inlet	336.02	341.742	5.722	336.12	0.25	0.25	NO	336.15	0.42	0.42	NO	336.18	0.66	0.66	NO
ST-STR-1484	DS Headwa	309.391	309.391	0	309.4	0	0.25	NO	309.4	0	0.41	NO	309.4	0	0.66	NO
ST-STR-1485	Outlet	329.402	329.402	0	329.92	0	42.02	NO	330.03	0	60.84	NO	331.01	0	129.02	NO
ST-STR-1487	Channel co	303.185	303.185	0	311.46	0	500.05	NO	311.95	0	695.54	NO	313.28	0	1141.53	NO
ST-STR-149	DS Headwa	439.754	442.524	0.524	442.31	0	8.6	YES	442.39	0	16.81	YES	442.48	0	37.59	YES
ST-STR-1490	DS Headwa	332.436	332.436	0	336.61	0	354.22	NO	336.68	0	534.06	NO	338.17	0	939.08	NO
ST-STR-1491	Headwall	333.181	333.181	0	336.85	4.32	321.94	NO	337	6.8	484.8	NO	338.64	10.65	792.93	NO
ST-STR-1492	Conduit co	399.04	405.421	6.381	405.31	0	53.5	YES	405.99	0	53.36	YES	406.22	0	52.25	YES
ST-STR-1495	Outlet	288.832	288.98	0	288.88	3.81	3.81	NO	288.9	6.55	6.55	NO	288.93	11.03	11.03	NO
ST-STR-1496	Outlet	284.72	287.162	0	284.72	0	0	NO	284.72	0	0	NO	284.72	0	0	NO
ST-STR-1497	Outlet	290.031	290.3	0	290.05	1.69	1.69	NO	290.06	2.99	2.99	NO	290.07	4.99	4.99	NO
ST-STR-1498	Inlet	284.023	289.023	5	284.02	0	0	NO	284.02	0	0	NO	284.57	0	0.49	NO
ST-STR-1499	Inlet	286.259	291.259	5	286.26	0	0	NO	286.26	0	0	NO	286.26	0	0	NO
ST-STR-15	DS Headwa	390.636	390.636	0	390.64	0	0	YES	390.64	0	0	YES	390.64	0	0	YES
ST-STR-150	DS Headwa	456.901	456.901	0	456.95	0	4.58	YES	456.95	0	4.62	YES	456.95	0	4.67	YES
ST-STR-1500	Conduit co	407.805	412.805	5	409.16	0	17.72	YES	419.85	0	29.46	YES	417.75	0	35.05	YES
ST-STR-1501	DS Headwa	432.83	434.83	2	432.87	0	5.07	YES	432.89	0	8.76	YES	432.91	0	14.84	YES

Existing Condition Junctions Results Summary Table

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ST-STR-1502	Headwall	432	439.133	7.133	432	0	0	YES	432	0	0	YES	432	0	0	YES
ST-STR-1503	Conduit co	427.5	438.767	11.267	428.1	0	4.53	YES	428.28	0	7.7	YES	428.47	0	11.8	YES
ST-STR-1504	Inlet	444.596	450.096	5.5	445.67	28.54	29.61	YES	446.69	51.89	53.88	YES	475.46	91.28	94.81	YES
ST-STR-1505	Inlet	279.406	284.406	5	279.41	0	0	NO	279.41	0	0	NO	279.41	0	0	NO
ST-STR-1507	Cleanout	278.841	289.841	11	278.84	0	0	NO	278.84	0	0	NO	278.84	0	0	NO
ST-STR-1508	Cleanout	277.337	288.337	11	277.34	0	0	NO	277.34	0	0	NO	277.34	0	0	NO
ST-STR-1509	Manhole	276.159	281.159	5	276.3	0	0.54	NO	276.35	0	0.96	NO	276.57	0	4.57	NO
ST-STR-151	Headwall	396.068	396.068	0	397.83	15.9	20.75	YES	398.6	29.15	37.26	YES	399.78	49.76	72.63	YES
ST-STR-1510	Cleanout	272.269	277.269	5	273.74	0	2.33	NO	274.27	0	3.01	NO	277.43	0	29.95	NO
ST-STR-1512	Inlet	279.665	284.665	5	279.81	0	0.54	NO	279.85	0	0.96	NO	279.91	0	1.61	NO
ST-STR-1513	Inlet	282.607	287.607	5	282.61	0	0	NO	282.61	0	0	NO	282.61	0	0	NO
ST-STR-1514	Inlet	273.809	278.309	4.5	273.81	0	0	NO	274.23	0	0.97	NO	280.41	0	126.97	NO
ST-STR-1515	Inlet	285	287	2	285.6	0	4.34	NO	285.81	0	7.61	NO	286.09	0	12.87	NO
ST-STR-1516	Cleanout	284.5	288.1	3.6	285.1	0	4.34	NO	285.31	0	7.61	NO	285.6	0	12.88	NO
ST-STR-1517	Cleanout	283.96	288.96	5	284.43	0	4.33	NO	284.59	0	7.61	NO	285.05	0	12.87	NO
ST-STR-1518	Cleanout	282.5	288.17	5.67	283.54	3.78	7.94	NO	283.97	6.8	14.12	NO	284.84	12.37	24.65	NO
ST-STR-152	Channel co	429.307	429.307	0	429.37	0	0.21	YES	429.39	0	0.35	YES	429.41	0	0.56	YES
ST-STR-1520	Outlet, D-2	335.956	335.956	0	335.96	0	0	NO	335.96	0	0	NO	335.96	0	0	NO
ST-STR-1521	Inlet	302.981	307.481	4.5	302.98	0	0	NO	302.98	0	0	NO	302.98	0	0	NO
ST-STR-1522	Inlet	300.132	309.632	9.5	300.13	0	0	NO	300.13	0	0	NO	300.13	0	0	NO
ST-STR-1523	Cleanout	297.613	302.613	5	297.61	0	0	NO	297.61	0	0	NO	297.61	0	0	NO
ST-STR-1524	Cleanout	289.103	294.103	5	289.1	0	0	NO	289.1	0	0	NO	289.1	0	0	NO
ST-STR-1525	Outlet	307.266	307.392	0	307.27	0	0	NO	307.27	0	0	NO	307.27	0	0	NO
ST-STR-1526	Headwall	283.742	283.742	0	283.74	0	0	NO	283.74	0	0	NO	286.83	0	200.39	NO
ST-STR-1527	DS Headwa	279.146	282.113	0	279.94	0	75.13	NO	280.09	0	89.12	NO	283.52	0	475.73	NO
ST-STR-1529	Inlet	308.57	314.57	6	309.5	0	10.82	NO	309.87	0	20.64	NO	310.27	0	33.86	NO
ST-STR-153	DS Headwa	443.961	443.961	0	444.09	0	4.86	YES	444.14	0	9.32	YES	444.2	0	14.45	YES
ST-STR-154	DS Headwa	423.859	423.859	0	423.89	0	1.58	YES	423.9	0	2.82	YES	423.92	0	4.68	YES
ST-STR-155	DS Headwa	422.08	422.08	0	422.35	0	20.87	YES	422.39	0	25.85	YES	422.39	0	26.27	YES
ST-STR-156	Headwall	408.713	417.122	8.409	409.82	0	33.82	YES	410.1	0	51.53	YES	410.4	0	73.21	YES
ST-STR-157	Channel co	329.574	330.639	0	334.67	0	156.9	NO	335.08	0	202.5	NO	335.64	0	308.3	NO
ST-STR-158	DS Headwa	338	340.918	2.918	339.46	0	33.05	NO	339.71	0	60.31	NO	339.88	0	85.92	NO
ST-STR-159	DS Headwa	391.511	396.011	4.5	391.97	0	2.53	YES	392.13	0	4.5	YES	392.34	0	7.46	YES
ST-STR-16	DS Headwa	399.374	399.374	0	399.37	0	0	YES	399.37	0	0	YES	399.37	0	0	YES
ST-STR-160	DS Headwa	395.187	399.187	4	395.78	0	41.89	YES	396	0	67.42	YES	396.38	0	127.18	YES
ST-STR-161	DS Headwa	382.863	385.863	3	387.27	0	44.5	YES	387.42	0	72.62	YES	387.67	0	132.97	YES
ST-STR-163	Outlet, D-2	402.294	402.294	0	402.33	0	0.64	YES	402.34	0	1.06	YES	402.35	0	1.7	YES
ST-STR-164	DS Headwa	376	378.889	2.889	378.92	0	165.68	YES	379.62	0	278.63	YES	380.69	0	499.02	YES
ST-STR-165	DS Headwa	374.214	375.214	1	376.18	0	3.29	YES	377.18	0	40.45	YES	378.11	0	118.47	YES
ST-STR-166	DS Headwa	370.868	370.892	0	374.31	0	189	YES	375.31	0	327.8	YES	376.26	0	510.61	YES
ST-STR-167	DS Headwa	367.076	367.076	0	370.79	0	242.43	YES	371.92	0	420.91	YES	372.79	0	519.47	YES
ST-STR-168	DS Headwa	358.082	358.082	0	361.99	0	272.87	YES	362.87	0	402.75	YES	364.13	0	546.88	YES
ST-STR-169	DS Headwa	391.492	394.492	3	392.86	0	3.06	YES	393.07	0	5.46	YES	393.26	0	8.17	YES
ST-STR-170	Headwall	390.022	390.022	0	395.29	0	65.41	YES	395.67	0	107.68	YES	395.85	0	156.2	YES

Existing Condition Junctions Results Summary Table

	Dimensions				2-year				10-year				100-year			
Facility ID	Type	Invert Elevation (feet)	Rim Elevation (feet)	Depth (feet)	Max. HGL (2-year) (feet)	Max. Lateral Inflow (2-year) (cfs)	Max. Total Inflow (2-year) (cfs)	Surcharging (2-year)	Max. HGL (10-year) (feet)	Max. Lateral Inflow (10-year) (cfs)	Max. Total Inflow (10-year) (cfs)	Surcharging (10-year)	Max. HGL (100-year) (feet)	Max. Lateral Inflow (100-year) (cfs)	Max. Total Inflow (100-year) (cfs)	Surcharging (100-year)
ST-STR-171	DS Headwa	428.66	432.66	4	428.66	0	0	YES	428.66	0	0	YES	428.66	0	0	YES
ST-STR-172	Flowline co	431.296	431.296	0	431.33	0	1.11	YES	431.34	0	1.93	YES	431.37	0	4.12	YES
ST-STR-173	DS Headwa	419.927	419.927	0	420.77	0	21.19	YES	421.04	0	41.53	YES	421.3	0	68.87	YES
ST-STR-176	DS Headwa	373.89	373.89	0	376.71	0	82.95	YES	377.84	0	180.17	YES	378.75	0	275.9	YES
ST-STR-177	DS Headwa	373.41	373.41	0	376.72	0	18.67	YES	377.85	0	20.78	YES	378.76	0	64.21	YES
ST-STR-178	Headwall	343.804	343.804	0	348.94	9.05	251.68	YES	349.46	15.4	421.62	YES	350.06	27.07	563.38	YES
ST-STR-180	DS Headwa	364.917	364.917	0	365.24	0	3.18	YES	365.31	0	5.23	YES	365.39	0	8.48	YES
ST-STR-181	DS Headwa	335.187	335.187	0	340.79	0	403.75	NO	341.54	0	700.95	NO	343.08	0	1395.62	YES
ST-STR-182	Headwall	335.843	335.843	0	340.82	3.88	281.68	NO	341.79	6.52	604.5	NO	343.46	10.72	1270.27	YES
ST-STR-183	DS Headwa	333.403	333.403	0	337.1	0	321.88	NO	337.41	0	453.49	NO	338.97	0	890.94	NO
ST-STR-187	DS Headwa	314.352	314.352	0	314.83	0	15.76	NO	315.04	0	27.85	NO	315.68	0	70.48	NO
ST-STR-188	Conduit co	422.077	433.577	11.5	424.45	0	53.3	YES	431.77	0	82.4	YES	434.15	0	142.02	YES
ST-STR-189	Conduit co	444.1	451.752	7.652	444.61	0	3.14	YES	444.82	0	5.52	YES	445.08	0	8.34	YES
ST-STR-19	DS Headwa	377.895	378.238	0	377.91	0	0.92	YES	377.91	0	1.53	YES	377.92	0	2.51	YES
ST-STR-190	Conduit co	383.758	388.008	4.25	383.91	0	0.26	YES	383.96	0	0.43	YES	384	0	0.67	YES
ST-STR-191	Manhole	401.88	407.88	6	413.67	0	76.42	YES	414.67	0	86.08	YES	417.08	0	95.91	YES
ST-STR-192	Conduit co	396.2	400.698	4.498	401.1	0	79.26	YES	401.98	0	79.24	YES	402.37	0	74.85	YES
ST-STR-193	Conduit co	436.531	441.031	4.5	439.46	0	8.91	YES	439.48	0	10.09	YES	439.5	0	11.31	YES
ST-STR-194	Conduit co	441.489	446.989	5.5	441.49	0	0	YES	441.49	0	0	YES	441.49	0	0	YES
ST-STR-195	Inlet	392.364	397.864	5.5	393.66	13.23	16.9	YES	394.19	21.96	28.45	YES	398.2	35.22	43.54	YES
ST-STR-196	Inlet	347.449	356.449	9	348.35	0.35	25.52	YES	349.06	0.55	93.15	YES	350.1	0.86	213.01	YES
ST-STR-197	Inlet	329.52	334.52	5	336.45	7.24	338.26	NO	336.9	12.63	438.18	NO	337.75	21.71	678.5	NO
ST-STR-198	Inlet	381.627	386.127	4.5	383.48	1.37	12.52	YES	385.48	2.48	18.68	YES	386.74	4.05	20.02	YES
ST-STR-199	Inlet	380.896	385.896	5	381.93	0.18	20.31	YES	382.38	0.28	37.13	YES	386.47	0.44	59.72	YES
ST-STR-1-R	Inlet	280.66	280.66	0	282.75	0	551.4	NO	283.4	0	922.3	NO	285.38	0	1603.38	NO
ST-STR-1-R	Inlet	452.01	459.236	7.226	457.68	0	83.88	YES	459.58	0	114.86	YES	460.05	0	216.42	YES
ST-STR-200	Inlet	424.5	428.38	3.88	425.61	7.02	7.02	YES	426.95	12.47	12.47	YES	428.95	21.85	21.85	YES
ST-STR-201	Inlet	450.764	455.264	4.5	452.14	1.18	5.64	YES	456.32	2.09	9.94	YES	457.11	3.52	11.93	YES
ST-STR-202	Inlet	451.855	456.355	4.5	452.63	4.48	4.48	YES	456.45	8.14	8.14	YES	457.11	14.2	14.2	YES
ST-STR-203	Conduit co	398.477	403.977	5.5	399.77	0	24.18	YES	400.21	0	37.9	YES	403.61	0	52.54	YES
ST-STR-204	Inlet	388.508	394.008	5.5	390.05	0.25	24.32	YES	390.77	0.59	38.32	YES	392.36	1.02	49.39	YES
ST-STR-205	Inlet	368.507	373.007	4.5	369.38	6.52	7.56	YES	369.96	12.48	14.84	YES	373.35	21.83	26.99	YES
ST-STR-207	Manhole	342.46	347.96	5.5	343.78	0	24.9	YES	344.48	0	45.03	YES	347.56	0	63.41	YES
ST-STR-208	Inlet	306.148	312.148	6	306.92	4.89	17	NO	307.19	8.33	30.59	NO	307.6	14.99	52.9	NO
ST-STR-209	Inlet	418.758	423.258	4.5	418.94	0.41	0.41	YES	418.98	0.64	0.64	YES	419.34	0.99	0.99	YES
ST-STR-21	DS Headwa	331.454	331.454	0	333.52	0	329.81	NO	333.79	0	407.19	NO	334.73	0	548.74	NO
ST-STR-210	Inlet	432.528	437.028	4.5	433.36	4.71	4.71	YES	433.73	7.95	7.95	YES	437.12	13.51	13.51	YES
ST-STR-211	Inlet	430.902	435.402	4.5	431.61	1.4	6.07	YES	431.89	2.32	10.17	YES	434.42	3.86	14.76	YES
ST-STR-212	Inlet	430.835	437.335	6.5	433.87	1.17	12.87	YES	434.06	1.97	12.96	YES	434.18	3.27	14.51	YES
ST-STR-213	Inlet	368.519	373.019	4.5	369.05	0.53	5.77	YES	369.26	0.87	10.37	YES	369.58	1.43	17.76	YES
ST-STR-214	Headwall	430.99	430.99	0	431.26	1.54	2.88	YES	431.34	2.56	4.85	YES	431.43	4.27	8.02	YES
ST-STR-215	Inlet	420.792	425.292	4.5	422.79	1.06	6.52	YES	425.18	1.81	10.14	YES	425.87	2.98	14.11	YES
ST-STR-216	Inlet	445.979	451.979	6	446.9	1.23	16.91	YES	447.23	1.93	30.12	YES	447.35	3.01	36.14	YES
ST-STR-217	Inlet	452.2	455.7	3.5	452.48	1.09	1.09	YES	452.55	1.72	1.72	YES	452.63	2.68	2.68	YES

Existing Condition Junctions Results Summary Table

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ST-STR-22	Unimprove	367.455	367.455	0	367.46	0	0.13	YES	367.46	0	0.21	YES	367.46	0	0.35	YES
ST-STR-220	DS Headwa	421.182	421.182	0	421.39	4.16	14.4	YES	421.44	6.78	21.3	YES	421.49	11	28.14	YES
ST-STR-23	DS Headwa	440.598	441.439	0	440.82	0	3.09	YES	440.91	0	5.46	YES	441.01	0	8.31	YES
ST-STR-236	Inlet	397.026	404.026	7	397.14	1.03	1.03	YES	397.17	1.65	1.65	YES	397.21	2.62	2.62	YES
ST-STR-237	Inlet	398.346	402.346	4	398.64	0.78	0.78	YES	398.72	1.27	1.27	YES	400.38	2.05	2.05	YES
ST-STR-238	Inlet	401.57	405.57	4	401.93	2.12	2.12	YES	402.04	3.46	3.46	YES	403	5.56	5.56	YES
ST-STR-24	DS Headwa	332.018	332.018	0	335.95	0	576.18	NO	336.48	0	627.99	NO	337.76	0	973.66	NO
ST-STR-242	Inlet	403.07	407.07	4	403.25	0.67	0.67	YES	403.3	1.07	1.07	YES	403.36	1.69	1.69	YES
ST-STR-247	Inlet	333.774	337.274	3.5	336.93	0.26	16.15	NO	336.98	0.41	29.35	NO	337.55	0.65	47.29	NO
ST-STR-248	Headwall	430.004	430.004	0	490.34	15.86	15.86	YES	530.5	27.96	27.96	YES	530.5	48.94	48.94	YES
ST-STR-249	Inlet	420.838	426.838	6	421.54	8.65	8.97	YES	421.75	14.39	14.9	YES	422.03	23.91	24.72	YES
ST-STR-25	DS Headwa	400.111	401.538	0	400.16	0	2.6	YES	400.17	0	4.6	YES	400.2	0	7.6	YES
ST-STR-250	Inlet	445.06	450.56	5.5	446.36	13.37	13.37	YES	446.94	24.26	24.26	YES	454.07	44.12	44.12	YES
ST-STR-251	Inlet	443.026	448.526	5.5	443.64	8.29	8.29	YES	443.87	15.07	15.07	YES	444.18	26.44	26.44	YES
ST-STR-252	Inlet	437	442.916	5.916	437.33	1.42	4.14	YES	437.42	2.4	6.82	YES	437.53	3.98	11.04	YES
ST-STR-253	Inlet	321.137	325.387	4.25	322.11	4.6	19.46	NO	325.68	7.96	22.57	NO	326.02	13.46	30.18	NO
ST-STR-254	Inlet	426.882	431.382	4.5	427.43	2.56	5.26	YES	427.62	4.45	8.96	YES	427.83	7.38	13.33	YES
ST-STR-255	Inlet	407.347	411.017	3.67	407.35	0	0	YES	407.35	0	0	YES	407.35	0	0	YES
ST-STR-256	Inlet	411.927	415.597	3.67	411.93	0	0	YES	411.93	0	0	YES	411.93	0	0	YES
ST-STR-26	DS Headwa	399.296	399.296	0	401.05	0	3.43	YES	401.08	0	6.12	YES	401.1	0	10.39	YES
ST-STR-260	Inlet	430.397	433.397	3	430.63	1.06	1.06	YES	430.7	1.8	1.8	YES	432.07	3	3	YES
ST-STR-261	Inlet	431.3	434.554	3.254	431.56	0.65	0.65	YES	431.63	1.06	1.06	YES	432.59	1.73	1.73	YES
ST-STR-262	Inlet	430.72	434.594	3.874	431.17	1.23	1.87	YES	431.32	2.07	3.12	YES	432.56	3.42	4.86	YES
ST-STR-264	Inlet	379.112	383.112	4	379.45	0.92	0.92	YES	379.55	1.54	1.54	YES	379.68	2.52	2.52	YES
ST-STR-265	Inlet	337.71	337.71	0	339.29	26.34	45.64	NO	339.93	46.63	84	NO	340.8	85.42	145.04	NO
ST-STR-266	Inlet	446.857	451.107	4.25	447.53	3.18	3.18	YES	447.84	5.62	5.62	YES	450.87	9.54	9.54	YES
ST-STR-267	Inlet	360.343	388.343	28	361.28	11.14	38.67	YES	361.59	19.17	67.09	YES	361.92	31.12	98.33	YES
ST-STR-268	Inlet	409.786	414.286	4.5	410.16	3.45	3.45	YES	410.29	6.16	6.16	YES	410.45	10.45	10.45	YES
ST-STR-269	Inlet	432.412	436.912	4.5	432.63	1.81	1.81	YES	432.7	3.19	3.19	YES	432.78	5.21	5.21	YES
ST-STR-27	DS Headwa	398.477	398.477	0	398.79	0	11.97	YES	399.01	0	24.92	YES	399.26	0	43.12	YES
ST-STR-270	Inlet	410.045	413.045	3	413	3.48	3.48	YES	413.05	6.47	6.47	YES	413.11	10.83	10.83	YES
ST-STR-271	Inlet	440.398	444.898	4.5	440.75	2.16	2.16	YES	440.85	3.6	3.6	YES	440.98	5.78	5.78	YES
ST-STR-272	Inlet	433.958	436.958	3	437.41	0.57	2.72	YES	437.45	0.9	4.48	YES	437.49	1.41	7.16	YES
ST-STR-273	Unimprove	387.672	387.672	0	387.82	4.84	4.84	YES	387.85	8.33	8.33	YES	387.88	13.83	13.83	YES
ST-STR-274	Unimprove	449.983	449.983	0	449.98	0	0	YES	449.98	0	0	YES	449.98	0	0	YES
ST-STR-275	Inlet	297.493	301.993	4.5	303.94	2.87	109.15	NO	304.4	4.94	151.23	NO	304.79	8.44	198.11	NO
ST-STR-276	Inlet	297.901	302.901	5	304.42	11.37	128.93	NO	304.92	20.47	211.33	NO	305.23	36.12	286.42	NO
ST-STR-277	Inlet	299.5	302.863	3.363	303.69	1.3	57.77	NO	304.1	2.19	92.28	NO	304.52	3.53	128.62	NO
ST-STR-278	Inlet	320.989	325.489	4.5	321.31	1.57	1.57	NO	321.42	2.86	2.86	NO	321.54	4.8	4.8	NO
ST-STR-279	Inlet	320.264	324.764	4.5	320.51	0.84	2.41	NO	320.6	1.49	4.34	NO	320.69	2.49	7.28	NO
ST-STR-28	Unimprove	369.07	369.494	0.424	371.99	0	137.38	YES	372.47	0	246.05	YES	372.83	0	350.01	YES
ST-STR-280	Inlet	313.437	317.937	4.5	313.68	2.85	2.85	NO	313.76	5.02	5.02	NO	313.86	8.42	8.42	NO
ST-STR-281	Inlet	338.278	338.278	0	338.68	5.95	6.95	NO	338.83	9.63	13.3	NO	339.01	14.98	22.68	NO
ST-STR-282	Headwall	330.32	330.32	0	330.6	2.55	3.81	NO	330.77	4.59	9.89	NO	330.98	7.64	20.9	NO

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ST-STR-283	Headwall	311.124	311.124	0	311.44	2.01	3.95	NO	311.67	3.67	12.41	NO	311.97	6.18	28.84	NO
ST-STR-284	Channel co	283.829	283.829	0	285.96	14.5	553.29	NO	286.49	24.95	928.24	NO	288.32	42.32	1792.87	NO
ST-STR-285	Inlet	433.124	438.124	5	433.8	5.41	5.41	YES	434.03	9.55	9.55	YES	434.39	16.6	16.6	YES
ST-STR-286	Inlet	426.3	430.8	4.5	427.32	10.62	11.18	YES	428.18	19	20.05	YES	430.57	31.03	32.84	YES
ST-STR-287	Outlet, D-2	444.322	444.322	0	444.34	0	0.91	YES	444.35	0	1.53	YES	444.36	0	2.44	YES
ST-STR-288	Inlet	462.187	465.857	3.67	462.43	0.91	0.91	YES	462.51	1.54	1.54	YES	462.61	2.45	2.45	YES
ST-STR-289	Inlet	424.931	430.431	5.5	425.83	0	16.38	YES	426.17	0	29.35	YES	426.65	0	48.99	YES
ST-STR-292	Unimprove	458.916	458.916	0	458.92	0	0	YES	458.92	0	0	YES	458.92	0	0	YES
ST-STR-293	Unimprove	470.135	470.135	0	470.13	0	0	YES	470.13	0	0	YES	470.13	0	0	YES
ST-STR-294	Outlet, D-2	437.849	437.849	0	437.92	0	2.14	YES	437.95	0	3.73	YES	438	0	6.15	YES
ST-STR-295	Inlet	449.468	453.968	4.5	449.89	2.16	2.16	YES	450.02	3.76	3.76	YES	450.19	6.18	6.18	YES
ST-STR-296	Unimprove	450.537	450.537	0	450.54	0	0	YES	450.54	0	0	YES	450.54	0	0	YES
ST-STR-297	Unimprove	449.513	449.513	0	449.82	5.82	5.82	YES	449.89	10.29	10.29	YES	449.98	17.46	17.46	YES
ST-STR-298	Inlet	396.521	400.521	4	397.84	12.83	15.66	YES	398.49	22.82	29.66	YES	402.9	40.11	57.39	YES
ST-STR-299	Inlet	437.614	442.114	4.5	437.91	2.23	2.23	YES	438	4	4	YES	438.11	6.85	6.85	YES
ST-STR-3	Inlet	408.85	414.841	5.991	414.27	0	55.63	YES	415.69	0	83.13	YES	416.04	0	181.02	YES
ST-STR-30	DS Headwa	297.608	297.608	0	299.55	0	238.7	NO	301.18	0	467.22	NO	301.93	0	764.58	NO
ST-STR-300	Inlet	427.435	430.435	3	427.8	2.21	2.21	YES	427.92	3.82	3.82	YES	428.07	6.21	6.21	YES
ST-STR-301	Inlet	361.942	366.442	4.5	362.63	7.36	7.36	YES	365.31	12.97	12.98	YES	366.68	22.6	22.6	YES
ST-STR-302	Inlet	358.777	363.777	5	360.49	9.59	22.45	YES	363.62	16.68	38.08	YES	365.09	29.53	45.28	YES
ST-STR-303	Inlet	359.051	363.551	4.5	360.59	5.1	5.1	YES	363.81	8.96	8.96	YES	365.09	15.75	15.75	YES
ST-STR-305	Outlet, D-2	351.671	351.671	0	351.71	0	0.34	YES	351.72	0	0.56	YES	351.73	0	0.77	YES
ST-STR-306	Headwall	352.442	355.442	3	352.56	0.17	0.17	YES	352.62	0.28	0.28	YES	352.67	0.43	0.43	YES
ST-STR-307	Outlet, D-2	356.717	356.717	0	356.74	0	0.3	YES	356.75	0	0.62	YES	356.76	0	1.1	YES
ST-STR-308	Headwall	357.838	359.838	2	358.06	0.45	0.45	YES	358.14	0.79	0.79	YES	358.24	1.29	1.29	YES
ST-STR-309	Inlet	335.492	341.492	6	336.99	2.5	59.39	NO	337.14	4.35	69.64	NO	338	7.16	109.65	NO
ST-STR-31	Channel co	293.532	293.532	0	296.75	0	540.95	NO	297.56	0	931.88	NO	298.93	0	1675.12	NO
ST-STR-310	Inlet	357.021	363.021	6	358.47	6.39	57.97	YES	358.58	10.68	65.73	YES	358.91	17.04	89.79	YES
ST-STR-311	Inlet	324.518	329.518	5	329.92	13.88	48.91	NO	330.28	24.04	85.69	NO	330.65	39.91	107.24	NO
ST-STR-313	Inlet	323.25	329.25	6	325.74	1.9	98.65	NO	329.69	3.21	124.04	NO	330.33	5.16	212.96	NO
ST-STR-314	Inlet	307.735	314.235	6.5	310.19	7.84	124.61	NO	315.21	13.2	186.67	NO	316.37	22.18	371.1	NO
ST-STR-315	Inlet	317.905	324.405	6.5	319.91	14.16	120.64	NO	324.27	24.21	194.13	NO	325.65	44.06	336.05	NO
ST-STR-316	Unimprove	343.742	343.742	0	344.13	2.03	36	YES	344.27	3.42	65.17	YES	344.38	5.51	91.48	YES
ST-STR-317	Inlet	388.178	392.678	4.5	388.55	2.37	2.37	YES	388.68	4.28	4.28	YES	388.85	7.29	7.29	YES
ST-STR-318	Inlet	387.081	391.581	4.5	387.53	4.06	6.42	YES	387.69	7.29	11.57	YES	387.91	12.94	20.21	YES
ST-STR-319	Outlet, D-2	323.814	323.814	0	323.92	0	6.39	NO	323.97	0	11.52	NO	324.02	0	20.14	NO
ST-STR-32	DS Headwa	311.843	311.843	0	313.52	0	334.23	NO	313.88	0	532.04	NO	315.04	0	1399.12	NO
ST-STR-320	Inlet	286.491	290.991	4.5	291.13	4.17	19.41	NO	291.51	7.31	32.54	NO	292.47	12.23	117.81	NO
ST-STR-321	Inlet	289.44	293.94	4.5	294.05	12.69	17.12	NO	294.18	22.11	30.01	NO	294.37	40.13	52.74	NO
ST-STR-322	Inlet	272.351	276.601	4.25	273.68	1.6	1.69	NO	274.33	2.69	2.92	NO	297.85	4.42	13.1	NO
ST-STR-323	Outlet	282.9	283.147	0.247	282.91	0	0.02	NO	282.91	0	0.02	NO	282.91	0	0.02	NO
ST-STR-324	Inlet	282.8	286.59	3.79	283.56	0.53	1.38	NO	283.98	0.89	2.44	NO	284.85	1.43	4.87	NO
ST-STR-325	Outlet	288.332	288.552	0	288.33	0	0	NO	288.33	0	0	NO	288.33	0	0	NO
ST-STR-326	Inlet	283.664	286.664	3	283.76	0.18	0.18	NO	283.97	0.29	0.29	NO	284.84	0.45	0.45	NO

Existing Condition Junctions Results Summary Table

	Dimensions				2-year				10-year				100-year			
Facility ID	Type	Invert Elevation (feet)	Rim Elevation (feet)	Depth (feet)	Max. HGL (2-year) (feet)	Max. Lateral Inflow (2-year) (cfs)	Max. Total Inflow (2-year) (cfs)	Surcharging (2-year)	Max. HGL (10-year) (feet)	Max. Lateral Inflow (10-year) (cfs)	Max. Total Inflow (10-year) (cfs)	Surcharging (10-year)	Max. HGL (100-year) (feet)	Max. Lateral Inflow (100-year) (cfs)	Max. Total Inflow (100-year) (cfs)	Surcharging (100-year)
ST-STR-327	Inlet	287.793	292.293	4.5	287.99	1.01	1.01	NO	288.05	1.73	1.73	NO	288.12	2.81	2.81	NO
ST-STR-328	Spillway	381.253	381.253	0	381.25	0	0	YES	381.25	0	0	YES	381.25	0	0	YES
ST-STR-329	Spillway	342.789	342.789	0	343.21	1.61	1.61	YES	343.34	3.02	3.02	YES	343.48	5.09	5.09	YES
ST-STR-33	DS Headwa	299.021	299.021	0	301.74	0	338.19	NO	302.11	0	505.61	NO	303.33	0	1145.5	NO
ST-STR-330	Outlet, D-2	341.772	341.772	0	341.82	0	1.63	NO	341.84	0	3.07	NO	341.86	0	5.23	NO
ST-STR-331	Outlet, D-2	364.496	364.496	0	364.58	0	0.2	YES	364.6	0	0.44	YES	364.62	0	0.78	YES
ST-STR-332	Headwall	364.832	367.832	3	365.06	0.36	0.36	YES	365.16	0.65	0.65	YES	365.26	1.04	1.04	YES
ST-STR-334	Outlet, D-2	390.481	390.481	0	390.48	0	0	YES	390.48	0	0	YES	390.48	0	0	YES
ST-STR-335	Spillway	365.526	368.517	0	366.54	0.98	0.98	YES	366.55	1.82	1.82	YES	366.56	2.98	2.98	YES
ST-STR-336	Outlet, D-2	370.964	370.964	0	370.96	0	0	YES	370.96	0	0	YES	370.96	0	0	YES
ST-STR-337	Unimprove	378.949	381.949	3	378.95	0	0	YES	378.95	0	0	YES	378.95	0	0	YES
ST-STR-339	Outlet, D-2	339.343	339.343	0	339.34	0	0	NO	339.34	0	0	NO	339.34	0	0	NO
ST-STR-34	DS Headwa	289.196	289.196	0	291.69	0	540.88	NO	292.35	0	897.76	NO	293.38	0	1723.82	NO
ST-STR-340	Inlet	355.086	359.086	4	355.3	0.89	0.89	YES	355.38	1.56	1.56	YES	355.46	2.56	2.56	YES
ST-STR-341	Outlet, D-2	330.673	330.918	0	330.7	0	0.85	NO	330.71	0	1.5	NO	330.73	0	2.47	NO
ST-STR-342	Spillway	361.332	361.332	0	361.33	0	0	YES	361.33	0	0	YES	361.33	0	0	YES
ST-STR-343	Spillway	369.974	370.069	0	369.97	0	0	YES	369.97	0	0	YES	369.97	0	0	YES
ST-STR-344	Outlet, D-2	325.299	325.299	0	325.35	0	2.03	NO	325.37	0	3.6	NO	325.39	0	5.88	NO
ST-STR-345	Spillway	335.384	335.384	0	335.67	2.04	2.04	NO	335.76	3.61	3.61	NO	335.86	5.9	5.9	NO
ST-STR-346	Inlet	307.133	311.633	4.5	308	3.74	4.95	NO	309.69	6.3	8.11	NO	311.79	10.67	13.25	NO
ST-STR-347	Inlet	306.435	310.685	4.25	306.96	1.93	7.02	NO	309.37	3.38	22.78	NO	311.55	5.73	54.72	NO
ST-STR-348	Inlet	310.145	313.645	3.5	310.34	0.73	2.4	NO	310.39	1.19	3.72	NO	310.45	1.95	5.53	NO
ST-STR-349	Inlet	322.381	326.631	4.25	324.37	13.8	14.69	NO	326.87	24.55	26.36	NO	327.01	43.8	44.82	NO
ST-STR-350	Spillway	344.652	344.652	0	344.66	1.21	1.21	YES	344.67	2	2	YES	344.67	3.29	3.29	YES
ST-STR-351	Spillway	338.439	339.368	0	338.44	0.19	0.19	NO	338.45	0.31	0.31	NO	338.45	0.48	0.48	NO
ST-STR-352	Outlet, D-2	325.417	325.417	0	325.42	0	0	NO	325.42	0	0	NO	325.42	0	0	NO
ST-STR-353	Spillway	360.875	360.875	0	360.88	0	0	YES	360.88	0	0	YES	360.88	0	0	YES
ST-STR-354	Inlet	355	361.564	6.564	355.96	1.91	12.92	YES	356.37	3.4	22.79	YES	357.36	5.69	38.7	YES
ST-STR-355	Inlet	356.523	361.523	5	357.18	11.02	11.02	YES	357.44	19.37	19.37	YES	358.09	33.06	33.06	YES
ST-STR-356	Spillway	414.171	414.837	0	414.17	0	0	YES	414.17	0	0	YES	414.17	0	0	YES
ST-STR-357	Outlet, D-2	355.647	355.797	0	355.65	0	0	YES	355.65	0	0	YES	355.65	0	0	YES
ST-STR-358	Inlet	385.759	389.259	3.5	386.85	10.08	10.78	YES	387.78	17.65	19.03	YES	389.4	28.84	31.07	YES
ST-STR-359	Inlet	385.226	389.726	4.5	386.02	1.78	12.39	YES	386.42	3.09	21.82	YES	388.31	5.16	26.92	YES
ST-STR-36	DS Headwa	417.533	417.701	0	418.06	0	23.15	YES	418.26	0	39.66	YES	418.49	0	70.99	YES
ST-STR-360	Spillway	409.422	409.422	0	409.62	0.31	0.31	YES	409.68	0.54	0.54	YES	409.74	0.86	0.86	YES
ST-STR-361	Inlet	326	328.439	2.439	326.35	1.46	1.46	NO	330.03	2.36	64.6	NO	331.07	3.78	192.15	NO
ST-STR-362	Inlet	330.839	335.339	4.5	331.04	0.92	0.92	NO	331.09	1.45	1.45	NO	331.15	2.3	2.3	NO
ST-STR-363	Inlet	346.684	351.184	4.5	347.13	0.37	2.52	YES	347.28	0.65	4.26	YES	347.46	1.03	6.78	YES
ST-STR-365	Manhole	369.362	373.862	4.5	369.6	0	2.16	YES	369.67	0	3.64	YES	369.75	0	5.77	YES
ST-STR-366	Inlet	369.679	374.179	4.5	370.14	2.17	2.17	YES	370.29	3.64	3.64	YES	370.48	5.78	5.78	YES
ST-STR-367	Inlet	432	432.923	0.923	432.33	1.35	1.35	YES	432.44	2.3	2.3	YES	432.58	3.76	3.76	YES
ST-STR-368	Inlet	385	401.047	16.047	385.17	0.03	0.27	YES	385.21	0.05	0.43	YES	385.26	0.07	0.68	YES
ST-STR-369	Inlet	386.155	390.405	4.25	386.33	0.24	0.24	YES	386.37	0.39	0.39	YES	386.42	0.61	0.61	YES
ST-STR-37	DS Headwa	412.288	412.288	0	412.75	0	27.09	YES	412.88	0	47.57	YES	413.06	0	83.72	YES

Existing Condition Junctions Results Summary Table

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ST-STR-370	Inlet	383	389.31	6.31	383.37	1.64	1.89	YES	383.49	2.96	3.38	YES	383.65	4.89	5.55	YES
ST-STR-371	Headwall	376.6	377.153	0	376.64	0.56	2.41	YES	376.65	0.9	4.22	YES	376.67	1.4	6.86	YES
ST-STR-372	Inlet	342.615	347.115	4.5	343.35	5.96	6.94	YES	343.72	10.39	12.33	YES	347.52	17.56	21.1	YES
ST-STR-373	Inlet	329.839	335.339	5.5	331.65	0.99	20.95	NO	333.67	1.57	37.24	NO	335.69	2.47	49.07	NO
ST-STR-374	Inlet	330.274	335.024	4.75	331.83	8.63	11.81	NO	334.29	15.11	20.92	NO	335.79	26.21	34	NO
ST-STR-375	Headwall	334.501	334.501	0	334.77	3.17	3.18	NO	334.86	5.78	5.8	NO	335.8	9.57	9.66	NO
ST-STR-376	Inlet	332.061	337.061	5	337.13	0	0	NO	337.13	0	0.01	NO	337.13	0	0.03	NO
ST-STR-377	Inlet	438.01	442.01	4	439.94	1	4.44	YES	443.92	1.69	6.31	YES	443.97	2.72	6.74	YES
ST-STR-378	Inlet	440.645	444.645	4	441.26	3.53	3.53	YES	445.38	6.1	6.1	YES	445.48	9.97	9.97	YES
ST-STR-379	Inlet	405.68	410.18	4.5	405.71	4.58	4.58	YES	405.73	8.06	8.06	YES	405.74	13.79	13.79	YES
ST-STR-380	Inlet	393.91	398.41	4.5	394.17	1.33	1.38	YES	394.25	2.28	2.38	YES	394.36	4.02	4.21	YES
ST-STR-381	Inlet	396.433	399.433	3	396.43	0	0	YES	396.43	0	0	YES	396.55	0	0.09	YES
ST-STR-382	Headwall	425.421	425.421	0	425.93	5.46	5.46	YES	426.24	9.68	9.68	YES	426.31	16.7	16.7	YES
ST-STR-383	Inlet	437.822	442.322	4.5	438.59	3.83	3.83	YES	438.89	6.79	6.79	YES	440.1	11.79	11.79	YES
ST-STR-384	Inlet	437.238	441.738	4.5	437.8	0.53	4.37	YES	438.02	0.85	7.64	YES	438.37	1.36	13.1	YES
ST-STR-385	Inlet	433.48	436.98	3.5	434.05	0.76	5.08	YES	434.22	1.19	8.77	YES	434.47	1.85	14.87	YES
ST-STR-386	Inlet	432.714	437.214	4.5	433.55	0.35	4.18	YES	433.91	0.57	7.15	YES	437.21	0.91	10.37	YES
ST-STR-387	Inlet	433.052	437.552	4.5	434.01	3.84	3.84	YES	434.48	6.6	6.6	YES	437.55	10.83	10.83	YES
ST-STR-388	Inlet	437.381	441.881	4.5	437.5	0.62	0.62	YES	437.53	0.96	0.96	YES	437.56	1.47	1.47	YES
ST-STR-389	Manhole	429.747	441.747	12	430.12	0	4.01	YES	430.25	0	6.87	YES	430.39	0	10.36	YES
ST-STR-390	Inlet	388.898	394.398	5.5	390.07	0.95	24.38	YES	390.53	1.52	41.48	YES	394.42	2.38	63.48	YES
ST-STR-391	Inlet	437.691	438.013	0	438.09	0.61	0.61	YES	438.11	0.98	0.98	YES	438.13	1.55	1.55	YES
ST-STR-392	Spillway	438.048	438.048	0	438.66	3	3	YES	438.69	5.25	5.25	YES	438.72	8.89	8.89	YES
ST-STR-393	Inlet	428.178	433.178	5	429.24	9.51	9.51	YES	431.12	16.66	16.66	YES	433.67	28.3	28.3	YES
ST-STR-394	Inlet	423.422	428.422	5	424.97	1.58	10.89	YES	427.72	2.74	17.79	YES	428.61	4.45	21.45	YES
ST-STR-395	Inlet	406.705	411.205	4.5	407.08	3.46	3.46	YES	407.19	5.7	5.7	YES	407.34	9.16	9.16	YES
ST-STR-396	Manhole	429.445	433.695	4.25	430.15	0	2.9	YES	430.43	0	4.87	YES	432.04	0	7.27	YES
ST-STR-397	Manhole	427.77	432.02	4.25	428.19	0	2.86	YES	428.33	0	4.77	YES	428.47	0	6.75	YES
ST-STR-399	Outlet, D-2	399.825	399.965	0	399.83	0	0	YES	399.84	0	0	YES	399.84	0	0	YES
ST-STR-40	DS Headwa	439.853	439.853	0	439.97	0	5.6	YES	440.02	0	10	YES	440.09	0	17.07	YES
ST-STR-400	Outlet, D-2	401.708	401.708	0	402.49	0	0.17	YES	402.5	0	0.26	YES	402.5	0	0.39	YES
ST-STR-401	Outlet, D-2	395.871	395.871	0	396.35	0	5.17	YES	396.37	0	8.53	YES	396.4	0	13.92	YES
ST-STR-402	Headwall	396.816	396.816	0	397.05	5.23	5.23	YES	397.13	8.61	8.61	YES	397.24	14.04	14.04	YES
ST-STR-403	Headwall	404.367	404.367	0	404.4	0.18	0.18	YES	404.4	0.27	0.27	YES	404.41	0.4	0.4	YES
ST-STR-404	Headwall	400.667	401.923	0	400.71	2.23	2.23	YES	400.73	3.85	3.85	YES	400.75	6.26	6.26	YES
ST-STR-405	Inlet	403.791	408.291	4.5	404.83	3.8	5.26	YES	405.5	6.06	8.19	YES	407.92	9.55	12.71	YES
ST-STR-406	Inlet	403.025	407.695	4.67	403.55	1.16	6.38	YES	403.68	1.93	9.78	YES	403.87	3.13	15.39	YES
ST-STR-407	Inlet	387.769	392.439	4.67	388.74	1.8	8.07	YES	389.11	2.96	12.56	YES	390.18	4.73	19.88	YES
ST-STR-408	Inlet	432.733	435.733	3	432.89	1.17	1.17	YES	432.94	1.83	1.83	YES	433	2.85	2.85	YES
ST-STR-409	Inlet	404.7	411.909	7.209	406.71	0.6	97.84	YES	407.8	0.98	183.69	YES	409.17	1.59	315.03	YES
ST-STR-41	DS Headwa	377.086	380.221	3.135	377.38	0	15.27	YES	377.51	0	29.44	YES	377.59	0	40.02	YES
ST-STR-410	Inlet	407.174	411.674	4.5	407.46	0.94	0.94	YES	407.85	1.57	1.57	YES	410.09	2.61	2.61	YES
ST-STR-411	Inlet	405.174	412.174	7	408.12	68.31	97.33	YES	409.33	149.91	179.3	YES	412.61	317.66	346.53	YES
ST-STR-413	Inlet	392.013	397.013	5	392.53	1.31	1.31	YES	392.66	2.14	2.14	YES	392.85	3.44	3.44	YES

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ST-STR-414	Headwall	387.39	387.39	0	387.75	0	1.22	YES	388.02	0	2.13	YES	388.35	0	3.28	YES
ST-STR-415	Inlet	439	447.55	8.55	446.64	7.24	9.95	YES	446.8	12.56	17.75	YES	446.9	21.11	29.74	YES
ST-STR-416	Inlet	440	448.482	8.482	446.64	2.35	4.56	YES	446.84	3.95	4.5	YES	446.99	6.34	6.36	YES
ST-STR-417	Inlet	457	466.873	9.873	463.5	3.85	88.17	YES	467.04	6.42	120.48	YES	467.27	10.49	218.06	YES
ST-STR-419	Inlet	398.605	403.105	4.5	399.05	2.02	2.02	YES	399.18	3.35	3.35	YES	399.35	5.55	5.55	YES
ST-STR-42	DS Headwa	426.099	426.099	0	426.31	0	7.03	YES	426.4	0	12.92	YES	426.52	0	22.46	YES
ST-STR-420	Unimprove	415.002	415.325	0	415.04	1.9	2.27	YES	415.05	2.93	3.57	YES	415.06	4.5	5.55	YES
ST-STR-421	Inlet	490.641	495.641	5	490.85	0.25	0.27	YES	490.9	0.41	0.6	YES	490.99	0.65	1.11	YES
ST-STR-422	Inlet	497.992	502.992	5	498.27	1.33	1.33	YES	498.36	2.37	2.37	YES	498.48	4.18	4.18	YES
ST-STR-423	Inlet	496.963	501.463	4.5	497.1	0.32	0.32	YES	497.15	0.56	0.56	YES	497.19	0.9	0.9	YES
ST-STR-424	Inlet	487.091	492.591	5.5	487.33	1.19	1.54	YES	487.41	2	2.73	YES	487.5	3.21	4.62	YES
ST-STR-425	Inlet	503.89	506.89	3	503.89	0	0	YES	503.89	0	0	YES	503.89	0	0	YES
ST-STR-426	Inlet	392.33	395.33	3	392.73	0	5.11	YES	392.85	0	8.05	YES	393.03	0	12.59	YES
ST-STR-427	Headwall	407	410.832	3.832	407.33	5.12	5.12	YES	407.41	8.07	8.07	YES	407.51	12.61	12.61	YES
ST-STR-428	Headwall	409.773	409.773	0	409.77	0	0	YES	409.77	0	0	YES	409.77	0	0	YES
ST-STR-429	Headwall	407.656	410.656	3	407.66	0	0	YES	407.66	0	0	YES	407.66	0	0	YES
ST-STR-43	DS Headwa	426.025	429.025	3	426.05	0	2.21	YES	426.06	0	3.82	YES	426.08	0	6.21	YES
ST-STR-430	Headwall	408.179	411.179	3	408.18	0	0	YES	408.18	0	0	YES	408.18	0	0	YES
ST-STR-431	Inlet	421.791	426.291	4.5	422.31	0.93	1.44	YES	422.49	1.6	2.48	YES	422.71	2.58	3.98	YES
ST-STR-432	Inlet	428.617	433.117	4.5	428.77	0.51	0.51	YES	428.82	0.88	0.88	YES	428.87	1.41	1.41	YES
ST-STR-433	Inlet	404.316	407.316	3	404.5	0	2.81	YES	404.55	0	4.47	YES	404.61	0	7.02	YES
ST-STR-434	Inlet	492.692	495.692	3	492.8	0.72	0.72	YES	492.84	1.28	1.28	YES	492.88	2.11	2.11	YES
ST-STR-436	Inlet	451.575	456.575	5	451.75	0.53	2.39	YES	451.8	0.91	4.34	YES	451.87	1.46	7.22	YES
ST-STR-437	Inlet	456.446	461.446	5	456.73	1.87	1.87	YES	456.83	3.44	3.44	YES	456.94	5.78	5.78	YES
ST-STR-438	Unimprove	399	400.5	1.5	400.33	0	15.86	YES	400.69	0	26.9	YES	400.81	0	46.82	YES
ST-STR-439	Inlet	419.641	424.141	4.5	419.82	0.51	0.51	YES	419.87	0.8	0.8	YES	419.92	1.24	1.24	YES
ST-STR-44	DS Headwa	357.827	357.827	0	358.14	0	24.55	YES	358.26	0	41.31	YES	358.37	0	59.34	YES
ST-STR-440	Inlet	428.125	431.625	3.5	428.32	0.86	0.86	YES	428.37	1.38	1.38	YES	428.44	2.2	2.2	YES
ST-STR-441	Inlet	428.177	431.677	3.5	428.4	0.9	0.9	YES	428.46	1.44	1.44	YES	428.53	2.27	2.27	YES
ST-STR-443	Inlet	477	482.094	5.094	477.17	0.35	0.54	YES	477.21	0.54	0.83	YES	477.25	0.82	1.27	YES
ST-STR-444	Inlet	477.527	482.027	4.5	477.65	0.19	0.19	YES	477.68	0.29	0.29	YES	477.71	0.45	0.45	YES
ST-STR-445	Inlet	463.593	467.093	3.5	463.88	1.03	1.03	YES	463.95	1.6	1.6	YES	464.05	2.47	2.47	YES
ST-STR-446	Inlet	463.371	466.871	3.5	463.64	1.28	1.28	YES	463.72	2	2	YES	463.83	3.1	3.1	YES
ST-STR-447	Inlet	474.541	478.041	3.5	474.89	1.57	1.57	YES	474.98	2.56	2.56	YES	475.1	4.05	4.05	YES
ST-STR-448	Inlet	440.847	445.347	4.5	441.06	1.18	1.18	YES	441.11	1.85	1.85	YES	441.17	2.88	2.88	YES
ST-STR-449	Inlet	435.393	440.393	5	435.74	0.1	4.79	YES	435.83	0.16	7.61	YES	435.94	0.24	11.92	YES
ST-STR-45	DS Headwa	284.149	284.96	0	286.93	0	460.04	NO	286.99	0	527.84	NO	288.89	0	904.94	NO
ST-STR-450	Inlet	436.204	440.704	4.5	436.68	0.41	3.52	YES	436.81	0.67	5.61	YES	436.98	1.06	8.84	YES
ST-STR-451	Inlet	437.662	441.662	4	437.89	0.66	0.66	YES	437.95	1.05	1.05	YES	438.03	1.66	1.66	YES
ST-STR-452	Inlet	436.434	440.934	4.5	436.99	2.46	2.46	YES	437.16	3.91	3.91	YES	437.39	6.14	6.14	YES
ST-STR-453	Inlet	398.07	401.57	3.5	399.13	4.91	7.18	YES	401.88	9.23	12.71	YES	402.57	16.01	20.48	YES
ST-STR-454	Inlet	397.292	401.792	4.5	398.95	1.97	8.89	YES	401.34	3.53	15.4	YES	402.56	6.05	18.63	YES
ST-STR-455	Inlet	368	373.286	5.286	368.6	2.18	9.72	YES	368.89	3.91	19.35	YES	371.07	6.61	33.1	YES
ST-STR-456	Outlet, D-2	382.69	382.763	0	382.69	0	0	YES	382.69	0	0	YES	382.69	0	0	YES

Existing Condition Junctions Results Summary Table

	Dimensions				2-year				10-year				100-year			
Facility ID	Type	Invert Elevation (feet)	Rim Elevation (feet)	Depth (feet)	Max. HGL (2-year) (feet)	Max. Lateral Inflow (2-year) (cfs)	Max. Total Inflow (2-year) (cfs)	Surcharging (2-year)	Max. HGL (10-year) (feet)	Max. Lateral Inflow (10-year) (cfs)	Max. Total Inflow (10-year) (cfs)	Surcharging (10-year)	Max. HGL (100-year) (feet)	Max. Lateral Inflow (100-year) (cfs)	Max. Total Inflow (100-year) (cfs)	Surcharging (100-year)
ST-STR-457	Inlet	394.661	400.271	3	394.67	0.41	0.41	YES	394.68	1.09	1.09	YES	394.68	1.96	1.96	YES
ST-STR-458	Inlet	399.676	402.676	3	400.02	0.15	1.51	YES	401.94	0.24	2.84	YES	402.63	0.38	4.88	YES
ST-STR-459	Outlet, D-2	414.174	414.415	0	414.21	0	1.35	YES	414.23	0	2.7	YES	414.25	0	4.63	YES
ST-STR-46	DS Headwa	271.9	274.05	2.15	273.55	0	16.82	NO	274.14	0	110.59	NO	275.68	0	1019.5	NO
ST-STR-460	Outlet, D-2	419.295	419.451	0	419.3	0	0	YES	419.3	0	0	YES	419.3	0	0	YES
ST-STR-461	Inlet	445.039	448.039	3	445.04	0	0	YES	445.04	0	0	YES	445.04	0	0	YES
ST-STR-462	Headwall	461.001	461.001	0	461.24	2.03	2.03	YES	461.32	3.61	3.61	YES	461.4	5.91	5.91	YES
ST-STR-463	Inlet	410.162	413.162	3	410.39	1.38	1.38	YES	410.47	2.62	2.62	YES	410.56	4.53	4.53	YES
ST-STR-464	Inlet	414.249	417.249	3	414.25	0	0	YES	414.25	0	0	YES	414.25	0	0	YES
ST-STR-465	Inlet	393.072	396.072	3	393.63	0.07	2.04	YES	393.8	0.16	3.68	YES	393.98	0.28	6.06	YES
ST-STR-466	Inlet	441.926	444.926	3	441.93	0	0	YES	441.93	0	0	YES	441.93	0	0	YES
ST-STR-467	Inlet	418.14	421.14	3	418.44	1.49	1.49	YES	418.56	2.9	2.9	YES	418.68	4.9	4.9	YES
ST-STR-468	Outlet, D-2	392.392	392.392	0	392.44	0	1.81	YES	392.46	0	3.38	YES	392.49	0	5.67	YES
ST-STR-469	Inlet	317.992	322.492	4.5	318.57	3.23	3.23	NO	318.81	5.83	5.83	NO	319.23	10.38	10.38	NO
ST-STR-47	DS Headwa	271.632	271.852	0	273.55	0	394.73	NO	274.05	0	729	NO	275.54	0	2134.15	NO
ST-STR-470	Inlet	316.715	324.715	8	317.33	2.3	5.5	NO	317.53	4.06	9.84	NO	317.82	7.08	17.36	NO
ST-STR-471	Inlet	312.366	317.366	5	312.71	3.89	3.89	NO	312.83	7.17	7.17	NO	312.97	11.92	11.92	NO
ST-STR-472	Inlet	308.463	313.963	5.5	309.02	7.09	10.96	NO	309.22	12.9	20.04	NO	309.47	22.1	33.99	NO
ST-STR-473	Inlet	305.908	311.908	6	306.43	0.71	11.44	NO	306.62	1.14	21.72	NO	306.9	1.8	35.55	NO
ST-STR-474	Inlet	304.323	311.323	7	305.21	0.26	27.57	NO	305.6	0.4	50.96	NO	306.15	0.61	88.82	NO
ST-STR-475	Inlet	306.598	311.098	4.5	306.75	0.65	0.65	NO	306.8	1.15	1.15	NO	306.86	1.88	1.88	NO
ST-STR-477	Headwall	312.789	312.789	0	313	1.18	1.18	NO	313.08	2.16	2.16	NO	313.16	3.66	3.66	NO
ST-STR-478	Inlet	306.501	311.501	5	307.44	2.65	2.65	NO	307.68	4.1	4.1	NO	308.01	6.33	6.33	NO
ST-STR-479	Inlet	369.199	373.699	4.5	370.08	5.18	5.18	YES	370.47	9.51	9.51	YES	372.85	16.43	16.43	YES
ST-STR-480	Spillway	393.765	393.765	0	393.94	4.51	4.51	YES	394	8.05	8.05	YES	394.07	14.04	14.04	YES
ST-STR-481	Inlet	382.15	386.65	4.5	384.25	11.18	11.18	YES	386.73	20.03	20.03	YES	386.87	36.37	36.37	YES
ST-STR-482	Inlet	381.595	386.095	4.5	382.17	2.8	2.8	YES	382.86	5.1	8.09	YES	386.68	8.79	23.96	YES
ST-STR-483	Inlet	422	424.458	2.458	425.15	5.31	5.31	YES	425.25	9.28	9.28	YES	425.33	15.6	15.6	YES
ST-STR-484	Flowline co	400.34	403.34	3	403.37	2.79	3.1	YES	403.42	4.81	5.47	YES	403.46	8.15	9.47	YES
ST-STR-485	Flowline co	403.582	403.582	0	403.82	5.91	5.91	YES	403.88	9.79	9.79	YES	403.95	15.64	15.64	YES
ST-STR-486	Inlet	387.699	392.199	4.5	388.04	4.19	4.19	YES	388.19	7.66	8.48	YES	388.55	13.28	17.53	YES
ST-STR-487	Inlet	384.087	392.087	8	385.87	9.42	87.68	YES	386.53	16.22	154.03	YES	387.21	27.11	228.9	YES
ST-STR-488	Inlet	389.034	394.034	5	389.25	0.77	0.77	YES	389.35	1.32	1.32	YES	394.24	2.17	48.87	YES
ST-STR-489	Inlet	399.916	406.916	7	401.47	6.67	71.79	YES	402.07	11.92	127.24	YES	402.27	20.65	146.47	YES
ST-STR-49	Outlet, D-2	365.901	366.056	0	365.9	0	0	YES	365.9	0	0	YES	365.9	0	0	YES
ST-STR-490	Inlet	403.591	409.591	6	405.6	11.91	65.86	YES	409.78	21.11	120.61	YES	410.25	35.91	200.85	YES
ST-STR-491	Inlet	412.155	419.155	7	413.6	2.66	54.25	YES	414.2	4.8	99.93	YES	415.29	8.13	167.1	YES
ST-STR-492	Inlet	410.751	417.751	7	412.01	2.7	56.17	YES	412.78	4.91	104.05	YES	414.2	8.52	174.95	YES
ST-STR-493	Inlet	428.97	432.97	4	429.45	3.75	3.75	YES	429.66	6.72	6.72	YES	433	11.25	11.25	YES
ST-STR-495	Unimprove	416.937	416.937	0	418.75	3.73	3.73	YES	418.77	6.52	6.52	YES	418.79	10.97	10.97	YES
ST-STR-496	Inlet	372.202	378.202	6	372.82	5.71	10.61	YES	373.04	9.78	19.22	YES	373.35	16.82	34.91	YES
ST-STR-497	Inlet	374.636	379.136	4.5	375.32	2.6	5.4	YES	375.67	4.53	10.37	YES	378.74	7.67	18.46	YES
ST-STR-498	Inlet	351.326	357.326	6	352.25	13.72	25.12	YES	352.56	23.4	44.35	YES	353.05	41.67	80.68	YES
ST-STR-499	Inlet	378.866	383.366	4.5	379.33	2.78	2.78	YES	379.48	4.76	4.76	YES	379.69	7.92	7.92	YES

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ST-STR-5	Cleanout	412.747	417.747	5	413.68	0	15.38	YES	415.09	0	27.35	YES	418.3	0	36.55	YES
ST-STR-50	DS Headwa	294.138	294.138	0	298.66	0	437.03	NO	298.83	0	530.03	NO	300.71	0	922.09	NO
ST-STR-500	Inlet	346.543	351.043	4.5	347.18	2.9	5.65	YES	347.42	5.04	9.76	YES	347.84	8.7	16.56	YES
ST-STR-501	Inlet	410.045	414.045	4	410.33	3.54	3.54	YES	410.41	6.2	6.2	YES	410.52	10.4	10.4	YES
ST-STR-502	Inlet	354.506	359.006	4.5	355.86	6.56	9.84	YES	356.85	11.38	17.26	YES	358.69	19.84	29.81	YES
ST-STR-503	Inlet	369.959	375.959	6	371.15	7.94	19.38	YES	371.58	13.9	34.63	YES	372.42	24.13	61.23	YES
ST-STR-505	Unimprove	375.7	376.7	1	375.7	0	0	YES	375.7	0	0	YES	375.7	0	0	YES
ST-STR-506	Inlet	432.412	435.412	3	432.51	0.32	0.32	YES	432.53	0.51	0.51	YES	432.56	0.8	0.8	YES
ST-STR-507	Outlet, D-2	421.326	421.653	0	421.34	0	0.19	YES	421.35	0	0.31	YES	421.36	0	0.5	YES
ST-STR-508	Inlet	429.207	432.207	3	431.68	0.88	0.99	YES	431.69	1.38	1.55	YES	431.7	2.14	2.41	YES
ST-STR-509	Inlet	441.13	444.13	3	441.22	0.16	0.16	YES	441.24	0.25	0.25	YES	441.26	0.38	0.38	YES
ST-STR-51	DS Headwa	298.695	298.695	0	303.2	0	374.13	NO	303.5	0	482.9	NO	305.01	0	799.47	NO
ST-STR-510	Inlet	357.604	362.104	4.5	357.95	1.38	1.38	YES	358.07	2.5	2.5	YES	358.21	4.09	4.09	YES
ST-STR-511	Outlet, D-2	350.929	350.929	0	351.04	0	1.34	YES	351.07	0	2.45	YES	351.1	0	4.03	YES
ST-STR-513	Inlet	342.593	347.593	5	343.87	8.52	8.83	YES	344.65	15.37	16.2	YES	348.01	26.14	28.01	YES
ST-STR-514	Inlet	375.14	385.14	10	376.01	7.35	17.2	YES	376.39	13.33	31.15	YES	377.46	22.85	47.66	YES
ST-STR-515	Unimprove	383.778	386.778	3	385.93	0.22	0.26	YES	385.93	0.41	0.47	YES	385.94	0.66	0.78	YES
ST-STR-516	Unimprove	379.692	382.692	3	379.79	0.11	0.11	YES	379.82	0.2	0.2	YES	379.85	0.33	0.33	YES
ST-STR-517	Unimprove	377.031	380.031	3	377.63	0.75	0.86	YES	378.08	1.6	1.79	YES	379.15	2.83	3.14	YES
ST-STR-518	Outlet, D-2	403.981	403.981	0	404.16	0	0.26	YES	404.26	0	0.46	YES	404.89	0	0.74	YES
ST-STR-519	Inlet	406.563	411.063	4.5	406.75	0.27	0.27	YES	406.8	0.47	0.47	YES	406.87	0.76	0.76	YES
ST-STR-52	DS Headwa	306.046	306.138	0	312.62	0	515.98	NO	313.84	0	792.24	NO	314.95	0	1133.53	NO
ST-STR-520	Inlet	442.346	445.346	3	442.62	3	3	YES	442.72	5.43	5.43	YES	442.83	9.28	9.28	YES
ST-STR-521	Unimprove	417.134	420.134	3	417.24	0.18	0.18	YES	417.28	0.31	0.31	YES	417.31	0.5	0.5	YES
ST-STR-522	Inlet	436.584	439.584	3	436.64	0.1	0.1	YES	436.65	0.16	0.16	YES	436.67	0.24	0.24	YES
ST-STR-523	Unimprove	411.917	418.498	3	411.92	0	0.27	YES	411.93	0	0.46	YES	411.93	0	0.73	YES
ST-STR-524	Inlet	423.965	429.465	5.5	424.79	3.79	10.79	YES	425.38	6.8	19.14	YES	428.27	12.25	21.53	YES
ST-STR-525	Inlet	457	458.054	1.054	457.07	0.1	0.1	YES	457.09	0.16	0.16	YES	457.11	0.25	0.25	YES
ST-STR-526	Inlet	453.778	457.699	3.5	453.79	0.21	0.28	YES	453.8	0.35	0.46	YES	453.8	0.54	0.72	YES
ST-STR-527	Outlet, D-2	452.592	452.592	0	452.61	0	0.27	YES	452.61	0	0.45	YES	452.62	0	0.71	YES
ST-STR-528	Outlet, D-2	456.732	456.732	0	456.98	0	0.02	YES	456.98	0	0.04	YES	456.98	0	0.06	YES
ST-STR-529	Inlet	421.298	425.798	4.5	421.56	1.29	1.29	YES	421.65	2.34	2.34	YES	421.75	3.87	3.87	YES
ST-STR-53	Headwall	337.321	337.321	0	337.56	0.35	0.35	NO	337.63	0.55	0.55	NO	337.71	0.85	0.85	NO
ST-STR-530	Outlet, D-2	416.801	416.855	0	416.86	0	1.27	YES	416.89	0	2.31	YES	416.92	0	3.84	YES
ST-STR-531	Outlet, D-2	403.919	403.919	0	404.3	0	2.37	YES	404.32	0	4.32	YES	404.35	0	7.1	YES
ST-STR-532	Headwall	439.355	439.355	0	439.58	1.38	1.38	YES	439.66	2.58	2.58	YES	439.75	4.35	4.35	YES
ST-STR-533	Inlet	448.232	451.232	3	448.39	0.72	0.72	YES	448.44	1.25	1.25	YES	448.49	2.01	2.01	YES
ST-STR-534	Headwall	406	408.023	2.023	406.28	0.78	0.85	YES	406.38	1.43	1.55	YES	406.49	2.34	2.52	YES
ST-STR-535	Outlet, D-2	404.499	404.499	0	404.63	0	0.84	YES	404.65	0	1.53	YES	404.66	0	2.5	YES
ST-STR-536	Unimprove	421.723	424.723	3	421.77	0.08	0.08	YES	421.78	0.12	0.12	YES	421.79	0.18	0.18	YES
ST-STR-537	Inlet	401.157	401.157	0	401.31	0.31	0.54	YES	401.37	0.63	1.08	YES	401.42	1.06	1.8	YES
ST-STR-538	Inlet	408.234	408.234	0	408.35	0.24	0.24	YES	408.4	0.46	0.46	YES	408.44	0.76	0.76	YES
ST-STR-539	Outlet, D-2	377.262	377.262	0	377.29	0	0.53	YES	377.3	0	1.06	YES	377.32	0	1.78	YES
ST-STR-54	DS Headwa	322.549	328.027	4.027	322.72	0	6.15	NO	323.92	0	106.92	NO	325.9	0	436.22	NO

Existing Condition Junctions Results Summary Table

	Dimensions				2-year				10-year				100-year			
Facility ID	Type	Invert Elevation (feet)	Rim Elevation (feet)	Depth (feet)	Max. HGL (2-year) (feet)	Max. Lateral Inflow (2-year) (cfs)	Max. Total Inflow (2-year) (cfs)	Surcharging (2-year)	Max. HGL (10-year) (feet)	Max. Lateral Inflow (10-year) (cfs)	Max. Total Inflow (10-year) (cfs)	Surcharging (10-year)	Max. HGL (100-year) (feet)	Max. Lateral Inflow (100-year) (cfs)	Max. Total Inflow (100-year) (cfs)	Surcharging (100-year)
ST-STR-540	Outlet, D-2	487.003	487.003	0	487	0	0	YES	487	0	0	YES	487	0	0	YES
ST-STR-541	Outlet, D-2	459.715	459.715	0	459.71	0	0	YES	459.71	0	0	YES	459.71	0	0	YES
ST-STR-542	Outlet, D-2	458.209	458.407	0	458.21	0	0	YES	458.21	0	0	YES	458.21	0	0	YES
ST-STR-543	Headwall	465.837	466.298	0	465.84	0	0	YES	465.84	0	0	YES	465.84	0	0	YES
ST-STR-544	Inlet	420.677	425.177	4.5	420.97	0.27	2.92	YES	421.11	0.46	6.28	YES	421.82	0.73	12.38	YES
ST-STR-545	Inlet	416.881	424.881	8	418.47	0.45	37.68	YES	419.18	0.78	69.88	YES	421.12	1.25	121.03	YES
ST-STR-546	Inlet	415.701	427.701	12	417.38	15.01	50.32	YES	418.12	26.91	92.67	YES	419.83	48.51	156.01	YES
ST-STR-547	Inlet	415	427.361	12.361	416.59	1.21	51.2	YES	417.33	2.03	94.13	YES	418.96	3.32	158.02	YES
ST-STR-548	Inlet	413.6	420.6	7	415.39	1.83	52.48	YES	416.21	3.31	96.53	YES	417.7	5.66	161.72	YES
ST-STR-549	Inlet	425.948	429.948	4	430.1	17.63	17.63	YES	430.19	31.21	31.21	YES	430.3	55.97	55.97	YES
ST-STR-55	DS Headwa	317.128	317.128	0	322.32	0	429.37	NO	322.9	0	606.05	NO	324.13	0	965.29	NO
ST-STR-550	Inlet	420.074	425.324	5.25	420.42	1.73	3.16	YES	420.55	3.08	6.13	YES	421.58	5.13	11.25	YES
ST-STR-551	Inlet	417.728	424.728	7	419.07	3.99	18.75	YES	419.64	7.26	32.39	YES	421.49	12.69	60.19	YES
ST-STR-552	Channel co	438.867	438.867	0	439.11	0.93	0.93	YES	439.23	2.06	2.06	YES	439.37	4.08	4.08	YES
ST-STR-553	Headwall	434	434.522	0.522	434.45	1.36	1.36	YES	434.66	2.36	2.36	YES	434.99	3.92	3.92	YES
ST-STR-554	Flowline co	434.401	434.401	0	434.81	0	0.03	YES	434.83	0	0.05	YES	434.85	0	0.13	YES
ST-STR-555	Spillway	437.078	437.458	0	437.63	4.97	4.97	YES	437.66	8.95	9.64	YES	437.7	15.26	16.83	YES
ST-STR-556	Channel co	437.244	437.244	0	437.64	2.35	2.4	YES	437.71	4.16	4.16	YES	437.83	7.01	7.01	YES
ST-STR-557	Inlet	440.5	443.025	2.525	440.76	0.26	2.56	YES	440.91	0.45	4.57	YES	441.06	0.71	7.21	YES
ST-STR-558	Inlet	441.912	446.412	4.5	442.65	2.35	2.35	YES	442.93	4.2	4.2	YES	443.99	7.07	7.07	YES
ST-STR-559	Inlet	436.596	439.596	3	437.85	0.5	11.36	YES	438.64	0.76	12.73	YES	439.6	1.16	13.92	YES
ST-STR-56	Spillway	404.183	406.01	0	404.18	0	0	YES	404.18	0	0	YES	404.18	0	0	YES
ST-STR-560	Inlet	436.995	440.495	3.5	440.02	10.89	10.89	YES	440.75	19.29	19.29	YES	440.85	34.34	34.34	YES
ST-STR-561	Inlet	479.458	482.128	2.67	479.46	0	0	YES	479.46	0	0	YES	479.46	0	0	YES
ST-STR-562	Inlet	478.195	482.195	4	478.74	3.4	3.71	YES	479.02	6.11	6.82	YES	482.27	10.47	11.73	YES
ST-STR-563	Outlet, D-2	468.79	468.79	0	468.96	0	3.7	YES	469.01	0	6.79	YES	469.04	0	9.32	YES
ST-STR-564	Spillway	491.857	491.857	0	492.02	0.56	0.56	YES	492.07	1	1	YES	492.13	1.61	1.61	YES
ST-STR-565	Inlet	430.381	433.881	3.5	434.02	0	5.59	YES	434.07	0	10.2	YES	434.14	0	17.89	YES
ST-STR-566	Inlet	435.311	438.641	3.33	438.71	0	4.05	YES	438.75	0	7.7	YES	438.81	0	14.49	YES
ST-STR-567	Channel co	448.005	448.005	0	448.1	0.98	11.77	YES	448.13	1.71	18.03	YES	448.16	2.86	24.63	YES
ST-STR-568	Flowline co	449.534	449.927	0	449.86	15.42	15.51	YES	449.95	27.77	27.77	YES	450.07	50.56	50.56	YES
ST-STR-569	Spillway	424.212	424.212	0	424.21	0	0	YES	424.21	0	0	YES	424.21	0	0	YES
ST-STR-57	Channel co	408.446	408.446	0	408.45	0	0	YES	408.45	0	0	YES	408.45	0	0	YES
ST-STR-570	Inlet	407.032	411.032	4	410.74	13.93	16.77	YES	411.45	25.01	25.92	YES	411.64	44.46	45.37	YES
ST-STR-571	Inlet	406.5	411.09	4.59	410.21	3.53	19.31	YES	411.33	6.41	21.87	YES	411.51	11.34	35.11	YES
ST-STR-572	Inlet	405.8	411.162	5.362	409.01	2.7	21.6	YES	411.58	4.72	24.31	YES	412.24	7.73	58.6	YES
ST-STR-573	Inlet	405.55	411.55	6	408.46	1.14	70.57	YES	411.52	2.02	81.73	YES	412.18	3.36	102.35	YES
ST-STR-574	Inlet	407.387	413.387	6	409.67	3.07	30.01	YES	413.84	5.36	52.69	YES	414.16	8.71	90.2	YES
ST-STR-575	Inlet	397.156	403.656	6.5	404.09	4.62	76.22	YES	404.64	8.07	95.72	YES	404.96	14.49	117.45	YES
ST-STR-576	Inlet	396.863	403.863	7	403.91	0.26	81.03	YES	404.56	0.43	87.85	YES	404.93	0.69	99.11	YES
ST-STR-577	Inlet	424.217	430.217	6	424.9	0.22	18.13	YES	425.13	0.35	32.45	YES	425.46	0.53	57.67	YES
ST-STR-578	Inlet	424.947	430.947	6	425.41	4.77	4.77	YES	425.58	8.54	8.54	YES	425.84	15.18	15.18	YES
ST-STR-579	Inlet	411.435	414.935	3.5	413.9	0	0	YES	414.3	0	0	YES	414.75	0	0	YES
ST-STR-58	DS Headwa	344.859	344.892	0	345.67	0	63.81	YES	346	0	99.78	YES	346.38	0	152.87	YES

Existing Condition Junctions Results Summary Table

	Dimensions				2-year				10-year				100-year			
Facility ID	Type	Invert Elevation (feet)	Rim Elevation (feet)	Depth (feet)	Max. HGL (2-year) (feet)	Max. Lateral Inflow (2-year) (cfs)	Max. Total Inflow (2-year) (cfs)	Surcharging (2-year)	Max. HGL (10-year) (feet)	Max. Lateral Inflow (10-year) (cfs)	Max. Total Inflow (10-year) (cfs)	Surcharging (10-year)	Max. HGL (100-year) (feet)	Max. Lateral Inflow (100-year) (cfs)	Max. Total Inflow (100-year) (cfs)	Surcharging (100-year)
ST-STR-580	Inlet	418.362	424.362	6	419.91	7.64	24.53	YES	420.51	13.14	41.43	YES	421.44	21.72	74.32	YES
ST-STR-581	Inlet	418.22	424.22	6	419.16	0.9	25.33	YES	419.46	1.59	44.1	YES	420.27	2.67	96.3	YES
ST-STR-582	Inlet	430.026	436.026	6	430.86	9.17	13.78	YES	431.11	16.37	22.74	YES	431.47	29.03	38.2	YES
ST-STR-583	Inlet	428.532	434.032	5.5	429.28	2.19	16.42	YES	429.52	3.68	27.6	YES	429.94	6.04	51.07	YES
ST-STR-584	Inlet	432.277	438.277	6	432.83	13.15	13.15	YES	433.02	23.59	23.59	YES	433.27	42.02	42.02	YES
ST-STR-585	Spillway	440.024	443.024	3	442.17	0.29	0.29	YES	442.18	0.44	0.44	YES	442.18	0.67	0.67	YES
ST-STR-586	Spillway	439.703	439.703	0	439.82	0.22	0.22	YES	439.84	0.35	0.35	YES	439.87	0.54	0.54	YES
ST-STR-587	Outlet, D-2	437.637	437.637	0	437.68	0	0.24	YES	437.69	0	0.36	YES	437.71	0	0.7	YES
ST-STR-588	Inlet	460.531	470.031	9.5	461.33	0.16	9.49	YES	461.33	0.27	9.65	YES	461.34	0.42	9.82	YES
ST-STR-589	Inlet	448.857	452.357	3.5	452.37	1.62	16.68	YES	452.51	3	23.51	YES	452.59	5.21	32	YES
ST-STR-59	DS Headwa	385.539	387.235	0	385.58	0	2.83	YES	385.59	0	4.77	YES	385.61	0	7.91	YES
ST-STR-590	Inlet	449.3	453.3	4	454.04	5.86	11.92	YES	454.23	10.5	27.97	YES	454.38	17.78	46.71	YES
ST-STR-591	Inlet	464.836	469.336	4.5	469.15	0.18	12.35	YES	469.4	0.27	15.25	YES	469.48	0.42	22.7	YES
ST-STR-592	Inlet	461.021	465.521	4.5	465.75	0.21	12.41	YES	465.76	0.32	13.04	YES	465.77	0.5	13.42	YES
ST-STR-593	Inlet	465.807	470.307	4.5	471.67	11.21	19.32	YES	471.72	20.09	28.87	YES	471.8	35.2	44.15	YES
ST-STR-594	Inlet	505.673	508.673	3	505.67	0	0	YES	505.67	0	0	YES	505.67	0	0	YES
ST-STR-595	Inlet	505	508.709	3.709	505	0	0	YES	505	0	0	YES	505	0	0	YES
ST-STR-596	Spillway	510.098	510.098	0	510.1	0	0	YES	510.1	0	0	YES	510.1	0	0	YES
ST-STR-597	Outlet, D-2	486.593	486.593	0	486.59	0	0	YES	486.59	0	0	YES	486.7	0	0.48	YES
ST-STR-598	Inlet	501.847	506.347	4.5	502.39	2.17	2.17	YES	502.59	3.88	3.88	YES	502.9	6.55	6.55	YES
ST-STR-60	DS Headwa	373.308	373.308	0	373.69	0	1.95	YES	373.7	0	3.25	YES	373.72	0	5.18	YES
ST-STR-600	Inlet	493.811	498.311	4.5	494.5	1.59	6.2	YES	494.68	2.9	8.85	YES	498.74	5.02	23.85	YES
ST-STR-601	Inlet	488.673	493.173	4.5	489.41	1.73	7.41	YES	491.16	3.12	11.7	YES	493.32	5.33	19.27	YES
ST-STR-602	Inlet	484.251	488.751	4.5	485.49	3.73	10.99	YES	488.94	6.75	16.95	YES	489.2	11.81	30.37	YES
ST-STR-603	Inlet	473.845	478.345	4.5	479.05	2.5	13.33	YES	479.31	4.1	12.19	YES	479.45	6.42	13.61	YES
ST-STR-605	Spillway	434.677	436.677	2	434.68	0	0	YES	434.68	0	0	YES	434.68	0	0	YES
ST-STR-607	Inlet	509.211	512.211	3	509.28	0.13	0.13	YES	509.3	0.23	0.23	YES	509.32	0.36	0.36	YES
ST-STR-608	Inlet	415.315	420.315	5	415.8	6.23	6.42	YES	415.96	11.03	11.37	YES	416.19	18.39	18.95	YES
ST-STR-609	Inlet	407.62	410.37	2.75	408.8	1.46	12.83	YES	411.94	2.23	23.57	YES	412.31	3.39	44.25	YES
ST-STR-610	Inlet	411.2	414.29	3.09	411.94	4.8	4.94	YES	413.58	8.12	12.77	YES	415.78	13.94	22.88	YES
ST-STR-611	Inlet	399.39	401.88	2.49	403.78	8.67	72.81	YES	403.99	14.35	105.63	YES	404.36	23.53	206.02	YES
ST-STR-612	Inlet	401.63	404.24	2.61	405.13	2.49	15.03	YES	405.56	4.18	24.08	YES	405.89	6.92	51.64	YES
ST-STR-613	Inlet	396.45	400.05	3.6	401.79	8.72	48.24	YES	402.05	15.35	59.67	YES	402.44	26.67	89.08	YES
ST-STR-614	Inlet	395.62	399.884	4.264	401.04	0.41	106.68	YES	401.98	0.65	107.04	YES	402.36	1.02	102.15	YES
ST-STR-615	Inlet	393.06	398.691	5.631	401.02	3.02	149.96	YES	401.98	4.73	153.34	YES	402.35	7.38	162.43	YES
ST-STR-616	Inlet	392.54	402.342	9.802	395.17	0.51	143.72	YES	395.61	0.81	152.11	YES	395.83	1.29	154.63	YES
ST-STR-617	Inlet	390.24	402.531	12.291	395.01	3.55	144.75	YES	395.45	5.69	153.3	YES	395.67	9.05	157.5	YES
ST-STR-618	Inlet	442.511	447.011	4.5	442.86	2.5	3.12	YES	442.96	4.14	5.19	YES	443.08	6.56	8.23	YES
ST-STR-619	Inlet	442.608	447.108	4.5	443	0.63	0.63	YES	443.11	1.06	1.06	YES	443.23	1.67	1.67	YES
ST-STR-620	Inlet	440.846	445.346	4.5	441.08	0.28	3.41	YES	441.15	0.48	5.67	YES	441.23	0.76	8.99	YES
ST-STR-621	Inlet	431.523	438.023	6.5	434.24	5	85.61	YES	434.4	8.31	91.68	YES	434.55	13.21	98	YES
ST-STR-622	Inlet	397.02	398.61	1.59	401.12	4.67	95.38	YES	401.98	7.71	96.39	YES	402.36	12.76	84.23	YES
ST-STR-623	Inlet	397.528	401.028	3.5	401.21	5.61	5.73	YES	401.98	9.34	9.57	YES	402.41	14.92	18.63	YES
ST-STR-624	Inlet	411.5	418.354	6.854	416.68	16.22	47.04	YES	419.23	28.02	70.22	YES	421.07	47.58	129.69	YES

Existing Condition Junctions Results Summary Table

	Dimensions				2-year				10-year				100-year			
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ST-STR-625	Inlet	410.5	418.136	7.636	415.71	4.06	56.74	YES	419.07	6.66	83.13	YES	421.07	10.81	102.24	YES
ST-STR-626	Inlet	421.226	425.726	4.5	422.04	0	0.04	YES	425.81	0	3.31	YES	425.88	0	8.17	YES
ST-STR-627	Inlet	426.976	431.476	4.5	427.8	0.36	6.4	YES	428.11	0.56	10.69	YES	430.47	0.86	15.14	YES
ST-STR-628	Outlet, D-2	440.164	440.164	0	440.16	0	0	YES	440.16	0	0	YES	440.16	0	0	YES
ST-STR-631	Outlet, D-2	438.335	438.335	0	438.33	0	0	YES	438.33	0	0	YES	438.33	0	0	YES
ST-STR-632	Inlet	431.235	443.493	3.67	434.92	0.81	0.81	YES	434.92	1.29	1.29	YES	434.93	2.01	2.01	YES
ST-STR-633	Outlet, D-2	450.532	450.532	0	450.53	0	0	YES	450.53	0	0	YES	450.53	0	0	YES
ST-STR-637	Inlet	439.214	444.214	5	440.51	11.91	14.7	YES	441.09	20.02	25.58	YES	443.08	33	43.73	YES
ST-STR-638	Inlet	438.692	444.692	6	439.58	0.77	15.43	YES	439.88	1.27	28.16	YES	440.3	2.08	45.84	YES
ST-STR-639	Outlet, D-2	469.653	469.653	0	469.65	0	0	YES	469.65	0	0	YES	469.65	0	0	YES
ST-STR-64	Headwall	413.253	419.159	0	415.79	6.06	6.86	YES	415.8	9.93	11.57	YES	415.82	16.07	19.38	YES
ST-STR-640	Inlet	464.829	469.329	4.5	465.59	15.77	15.77	YES	465.96	28.34	28.34	YES	469.45	49.29	49.29	YES
ST-STR-641	Inlet	437.454	441.954	4.5	437.96	9.69	9.99	YES	438.13	16.95	17.58	YES	438.39	28.51	29.81	YES
ST-STR-642	Inlet	443.671	448.171	4.5	445.6	8.68	8.68	YES	446.97	14.49	14.49	YES	448.79	23.6	23.6	YES
ST-STR-643	Inlet	439.602	444.602	5	445.27	0.59	16.22	YES	445.4	0.92	27.49	YES	445.47	1.43	38.76	YES
ST-STR-644	Inlet	444.673	448.673	4	445.45	0.74	0.74	YES	446.41	1.2	1.2	YES	447.61	1.93	1.93	YES
ST-STR-645	Inlet	444	449.117	5.117	445.45	0.35	2.85	YES	446.34	0.56	4.92	YES	447.78	0.88	7.95	YES
ST-STR-646	Inlet	444.271	448.771	4.5	445.48	2.69	2.69	YES	446.47	4.44	4.44	YES	448.11	7.23	7.23	YES
ST-STR-647	Inlet	442.117	446.617	4.5	445.36	0.05	2.74	YES	445.87	0.07	4.9	YES	446.6	0.11	7.72	YES
ST-STR-648	Inlet	445.677	449.677	4	446.3	0.65	0.65	YES	448.72	1.1	1.1	YES	449.23	1.78	1.78	YES
ST-STR-649	Inlet	445.69	450.69	5	446.98	1.05	17.97	YES	450.2	1.68	30.87	YES	450.82	2.62	34.7	YES
ST-STR-65	Channel co	434.447	434.447	0	434.52	0	1.36	YES	434.54	0	2.33	YES	434.58	0	3.88	YES
ST-STR-650	Inlet	454.769	459.769	5	455.8	7.37	17.1	YES	456.48	12.62	30.11	YES	460	20.99	49.14	YES
ST-STR-651	Inlet	456.383	461.383	5	457.03	0.13	10.13	YES	457.32	0.19	18.48	YES	460.68	0.29	32.02	YES
ST-STR-653	Inlet	436.406	440.906	4.5	440.36	0.17	0.17	YES	440.68	0.26	2.59	YES	441.03	0.4	6.14	YES
ST-STR-654	Inlet	437	440.918	3.918	441.08	9.86	25.32	YES	441.19	16.61	39.35	YES	441.27	27.5	54.22	YES
ST-STR-655	Inlet	429.206	434.706	5.5	435.4	0.72	13.45	YES	435.61	1.14	27.2	YES	435.8	1.76	46.92	YES
ST-STR-656	Inlet	434.521	439.021	4.5	439.69	11.06	11.06	YES	439.8	19.54	19.54	YES	439.91	34.68	34.68	YES
ST-STR-657	Inlet	425.87	434.373	8.503	435.43	8.36	37.95	YES	435.64	14.47	47.99	YES	435.84	24.29	65.53	YES
ST-STR-658	Inlet	425.5	434.527	9.027	435.4	7.48	29.85	YES	435.62	12.71	49.46	YES	435.81	21	78.44	YES
ST-STR-659	Inlet	433.344	437.344	4	438.07	11.84	11.84	YES	438.22	20.35	20.35	YES	438.37	35.98	35.98	YES
ST-STR-66	DS Headwa	387.049	387.809	0.76	387.86	0	7.9	YES	388.09	0	12.69	YES	388.37	0	19.23	YES
ST-STR-660	Inlet	432.747	436.747	4	437.69	4.47	31.86	YES	438.14	7.58	46.75	YES	438.35	13.09	60.83	YES
ST-STR-661	Inlet	448.232	450.062	1.83	448.23	0	0	YES	448.23	0	0	YES	448.23	0	0	YES
ST-STR-662	Outlet, D-2	447.818	447.818	0	447.82	0	0	YES	447.82	0	0	YES	447.82	0	0	YES
ST-STR-663	Inlet	494.373	500.373	6	494.54	1.02	1.02	YES	494.58	1.67	1.67	YES	494.64	2.67	2.67	YES
ST-STR-666	Unimprove	451.96	452.96	1	453.02	6.14	6.14	YES	453.1	10.77	10.77	YES	453.19	18.47	18.47	YES
ST-STR-667	Inlet	430.296	434.796	4.5	430.83	0.54	0.73	YES	432.26	0.98	1.42	YES	434.01	1.57	2.44	YES
ST-STR-668	Inlet	433.591	438.091	4.5	434.13	4.07	4.07	YES	434.31	6.85	6.85	YES	436.02	11.21	11.21	YES
ST-STR-669	Inlet	428.569	431.569	3	431.72	7.52	7.52	YES	431.85	13	13	YES	431.97	22.67	22.67	YES
ST-STR-67	DS Headwa	404.179	404.179	0	405.02	0	99.76	YES	405.4	0	184.94	YES	405.88	0	347.85	YES
ST-STR-670	Inlet	433.62	437.62	4	433.74	0.2	0.2	YES	433.8	0.46	0.46	YES	434.12	0.88	0.88	YES
ST-STR-671	Headwall	427.256	429.756	2.5	428.6	0.89	0.89	YES	428.88	1.58	1.58	YES	429.24	2.67	2.67	YES
ST-STR-672	DS Headwa	426.8	427.849	1.049	428.14	0.2	9.8	YES	428.19	0.3	11.85	YES	428.31	0.48	14.89	YES

Existing Condition Junctions Results Summary Table

	Dimensions				2-year				10-year				100-year			
Facility ID	Type	Invert Elevation (feet)	Rim Elevation (feet)	Depth (feet)	Max. HGL (2-year) (feet)	Max. Lateral Inflow (2-year) (cfs)	Max. Total Inflow (2-year) (cfs)	Surcharging (2-year)	Max. HGL (10-year) (feet)	Max. Lateral Inflow (10-year) (cfs)	Max. Total Inflow (10-year) (cfs)	Surcharging (10-year)	Max. HGL (100-year) (feet)	Max. Lateral Inflow (100-year) (cfs)	Max. Total Inflow (100-year) (cfs)	Surcharging (100-year)
ST-STR-673	Inlet	414.454	418.454	4	415.66	16.95	16.95	YES	416.22	29.79	29.79	YES	418.46	53.71	53.71	YES
ST-STR-674	Headwall	397.703	400.203	2.5	401.93	2.91	23.14	YES	402.1	4.92	31.91	YES	402.17	8.06	38.37	YES
ST-STR-675	Inlet	394.557	401.557	7	398.16	2.37	97.11	YES	401.04	4	124.97	YES	402.51	6.74	144.17	YES
ST-STR-676	Inlet	393.891	401.391	7.5	397.95	5.71	101.32	YES	400.65	9.61	135.31	YES	402.05	16.65	186.86	YES
ST-STR-677	Inlet	437.133	441.633	4.5	437.92	2.06	2.06	YES	438.2	3.58	3.58	YES	438.73	5.87	5.87	YES
ST-STR-678	Inlet	436.654	440.904	4.25	437.1	2.23	4.23	YES	437.25	3.88	7.36	YES	437.47	6.37	12.02	YES
ST-STR-679	Outlet, D-2	423.32	423.32	0	423.42	0	5.05	YES	423.47	0	8.96	YES	423.51	0	13.61	YES
ST-STR-68	DS Headwa	391.539	391.539	0	391.88	0	1.97	YES	392.04	0	3.42	YES	392.14	0	6.41	YES
ST-STR-680	Inlet	423.931	428.181	4.25	424.72	0.91	5.09	YES	425.1	1.48	8.77	YES	427.47	2.35	14.26	YES
ST-STR-681	Inlet	389.992	398.992	9	391.68	1.82	1.82	YES	392.83	2.93	2.93	YES	396.95	4.72	13.55	YES
ST-STR-682	Headwall	390.367	390.367	0	394.86	0	130.58	YES	396.86	0	223.65	YES	398.62	0	373.7	YES
ST-STR-683	Inlet	393.458	398.958	5.5	393.77	3.06	3.14	YES	393.94	5.31	7.8	YES	397.74	9.11	27.65	YES
ST-STR-684	Inlet	390.694	395.194	4.5	391.01	1.31	1.51	YES	392.03	2.1	2.89	YES	395.67	3.35	15.36	YES
ST-STR-685	Inlet	390.146	394.646	4.5	390.63	7.96	8	YES	391.36	14.11	14.18	YES	395.65	24.13	27.59	YES
ST-STR-686	Inlet	387.21	394.71	7.5	389.57	0.41	138.99	YES	390.64	0.64	235.42	YES	395.23	0.98	357.71	YES
ST-STR-687	Inlet	384.5	390.957	6.457	386.9	0.74	153.91	YES	388.05	1.2	261.09	YES	392.3	1.94	372.69	YES
ST-STR-688	Inlet	387.103	391.603	4.5	390.2	15.86	17.01	YES	392.18	28.28	28.31	YES	392.53	50.83	53.77	YES
ST-STR-689	Conduit co	393.04	397.54	4.5	395.34	0	119.98	YES	396.99	0	146.48	YES	398.67	0	155.34	YES
ST-STR-690	Inlet	394	396.967	2.967	397.39	4.31	21.1	YES	399.05	7.23	21.4	YES	399.1	12	30.82	YES
ST-STR-691	Inlet	393.5	396.915	3.415	397.08	3.04	120.13	YES	399.07	5.15	148.01	YES	399.37	8.8	178.15	YES
ST-STR-692	Inlet	398.776	403.776	5	403.02	9.52	27.11	YES	404.21	15.58	50.2	YES	404.28	25.07	64.3	YES
ST-STR-693	Inlet	395.816	399.816	4	400.9	1.95	28.64	YES	400.93	3.17	35.79	YES	400.95	5.13	38.92	YES
ST-STR-694	Inlet	412.26	417.26	5	417.47	4.47	8.69	YES	417.6	7.14	23.19	YES	417.68	11.38	33.64	YES
ST-STR-695	Unimprove	440.255	440.437	0	441	5.66	5.66	YES	441.27	9.77	9.77	YES	441.31	16.61	16.61	YES
ST-STR-696	Spillway	441.482	441.482	0	441.96	5.06	5.06	YES	441.98	9.01	9.01	YES	442.02	15.3	15.3	YES
ST-STR-697	Inlet	431.118	436.618	5.5	432.46	0.59	15.9	YES	433.1	0.97	32.55	YES	437.09	1.6	35.92	YES
ST-STR-698	Inlet	430.498	436.498	6	431.44	1.37	17.18	YES	432.2	2.26	33.54	YES	436.84	3.7	39.74	YES
ST-STR-699	Inlet	431.753	436.253	4.5	432.79	6.6	15.34	YES	433.41	11.53	31.29	YES	437.09	19.59	36.34	YES
ST-STR-70	Unimprove	465.037	465.525	0	465.04	0	0	YES	465.04	0	0	YES	465.04	0	0	YES
ST-STR-700	Inlet	419.201	424.201	5	420.63	7.17	24.11	YES	424.6	12.35	42.28	YES	425.53	20.98	57.23	YES
ST-STR-702	Headwall	451.132	451.132	0	451.13	0	0	YES	451.13	0	0	YES	451.13	0	0	YES
ST-STR-703	Inlet	441.836	448.836	7	442.92	0.22	14.61	YES	444.79	0.37	24.94	YES	445.61	0.58	28.23	YES
ST-STR-704	Inlet	445.493	449.493	4	445.96	4.09	4.09	YES	446.72	7.32	7.32	YES	449.89	12.51	12.51	YES
ST-STR-705	Inlet	447.618	452.118	4.5	447.95	1.42	1.42	YES	448.06	2.52	2.52	YES	448.18	4.14	4.14	YES
ST-STR-706	Inlet	442.611	445.611	3	443.61	7.83	9.2	YES	445.3	14.04	16.5	YES	445.95	25.05	29.1	YES
ST-STR-707	Headwall	448.672	448.672	0	449.21	1.23	1.23	YES	449.54	2.13	2.13	YES	449.7	3.41	3.41	YES
ST-STR-708	Inlet	436.799	440.299	3.5	440.93	2.91	9.54	YES	441.01	5.23	17.21	YES	441.1	8.89	24.42	YES
ST-STR-709	Inlet	437.292	440.292	3	440.94	3.92	6.13	YES	441.02	7.07	11.34	YES	441.11	12.15	17.37	YES
ST-STR-71	DS Headwa	395.898	395.898	0	395.92	0	2.01	YES	395.93	0	3.34	YES	395.94	0	5.54	YES
ST-STR-710	Inlet	422.292	426.292	4	422.69	1.87	1.87	YES	422.84	3.36	3.36	YES	423.1	5.66	5.66	YES
ST-STR-711	Inlet	398.03	403.53	5.5	400.53	17.33	51.47	YES	401.72	30.67	87.55	YES	404.16	54.43	128.79	YES
ST-STR-712	Inlet	397.69	403.69	6	398.91	0.18	66.34	YES	399.39	0.28	103.96	YES	400.21	0.43	155.64	YES
ST-STR-713	Inlet	415.29	420.79	5.5	416.65	3.62	20.44	YES	417.15	6.24	32.36	YES	419.5	10.8	43.2	YES
ST-STR-714	Inlet	437.586	442.086	4.5	438.49	5.9	5.9	YES	439.19	10.6	10.6	YES	442.37	17.86	17.86	YES

Existing Condition Junctions Results Summary Table

	Dimensions				2-year				10-year				100-year			
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ST-STR-715	Inlet	436.72	441.72	5	437.77	0.76	17.28	YES	438.13	1.25	26.7	YES	439.68	2.04	35.22	YES
ST-STR-716	Inlet	440.396	444.896	4.5	441.58	2.6	2.6	YES	444.78	4.57	4.57	YES	445.18	7.44	7.44	YES
ST-STR-717	Inlet	439.5	444.5	5	441.53	0.21	12.21	YES	444.65	0.33	19.78	YES	444.89	0.51	27.7	YES
ST-STR-718	Inlet	445.064	450.064	5	446.07	6.53	9.68	YES	448.17	11.72	16.85	YES	450.23	20.09	26.72	YES
ST-STR-719	Inlet	446.5	450.799	4.299	447.05	3.21	3.21	YES	448.66	5.78	5.78	YES	451.24	10.04	10.04	YES
ST-STR-72	Unimprove	401.528	401.528	0	401.64	8.44	8.44	YES	401.98	14.12	14.12	YES	402.36	22.9	22.91	YES
ST-STR-720	Inlet	454.786	458.286	3.5	455.81	0.73	2.21	YES	456.52	1.27	3.87	YES	457.89	2.08	6.43	YES
ST-STR-721	Inlet	455.071	458.571	3.5	455.84	1.51	1.51	YES	456.58	2.66	2.66	YES	458.07	4.44	4.44	YES
ST-STR-722	Inlet	454.5	459.083	4.583	455.71	0.92	3.02	YES	456.21	1.66	5.39	YES	456.99	2.73	8.91	YES
ST-STR-723	Inlet	455.025	457.025	2	457.48	5.64	5.64	YES	457.53	9.97	9.97	YES	457.59	17.08	17.08	YES
ST-STR-724	Inlet	451.253	454.253	3	454.33	4.02	6.62	YES	454.39	7.23	13	YES	454.45	12.57	22.33	YES
ST-STR-725	Inlet	437.324	439.824	2.5	439.48	3.71	3.71	YES	439.58	6.73	6.73	YES	439.64	11.67	11.67	YES
ST-STR-726	Inlet	434.395	440.895	6.5	434.46	0.06	0.06	YES	434.48	0.09	0.09	YES	434.5	0.15	0.15	YES
ST-STR-728	Headwall	442.035	442.035	0	443.03	4.32	4.36	YES	443.57	7.91	8.01	YES	444.41	13.08	13.27	YES
ST-STR-729	Outlet, D-2	437.61	437.61	0	437.91	0	3.48	YES	437.96	0	6.71	YES	438.02	0	10.94	YES
ST-STR-73	DS Headwa	495.41	495.41	0	495.63	0	0.32	YES	495.7	0	0.56	YES	495.78	0	0.89	YES
ST-STR-730	Unimprove	464.611	464.611	0	464.72	0.28	0.28	YES	464.75	0.46	0.46	YES	464.78	0.72	0.72	YES
ST-STR-731	Outlet, D-2	454.901	454.901	0	455.1	0	0.27	YES	455.11	0	0.44	YES	455.12	0	0.7	YES
ST-STR-732	Unimprove	461.249	461.249	0	461.3	1.52	1.52	YES	461.32	2.86	2.86	YES	461.35	4.73	4.73	YES
ST-STR-733	Inlet	448.15	451.022	2.872	450.07	2.72	3.28	YES	450.94	4.83	4.95	YES	451.06	8.12	8.12	YES
ST-STR-734	Inlet	448.3	450.801	2.501	450.08	0.58	0.58	YES	450.93	0.99	0.99	YES	450.98	1.61	3.62	YES
ST-STR-735	Inlet	445.428	448.928	3.5	449.6	3.71	7.82	YES	449.73	6.55	9.99	YES	449.81	11	14.49	YES
ST-STR-736	Inlet	446.507	449.507	3	449.77	7.09	7.09	YES	449.83	12.54	12.54	YES	449.9	21.33	21.33	YES
ST-STR-737	Inlet	445.043	449.043	4	449.36	0.38	7.91	YES	449.38	0.63	9.82	YES	449.39	0.99	11.06	YES
ST-STR-738	Inlet	444.5	448.323	3.823	445.86	1.67	10.29	YES	448.4	2.91	17.19	YES	448.66	4.94	26.23	YES
ST-STR-739	Headwall	446.74	447.601	0	448.43	0.94	7.44	YES	448.57	1.67	13.96	YES	448.68	2.75	17.04	YES
ST-STR-74	DS Headwa	491.421	491.421	0	491.57	0	1.78	YES	491.61	0	2.96	YES	491.66	0	4.95	YES
ST-STR-740	Inlet	446.628	450.128	3.5	447.07	2.37	2.37	YES	448.56	4.09	4.09	YES	450.05	6.83	6.83	YES
ST-STR-741	Headwall	441.83	441.83	0	442.9	0	1.69	YES	442.99	0	2	YES	443.09	0	1.97	YES
ST-STR-742	Inlet	447.356	447.356	0	448.46	0	2.09	YES	448.64	0	4.12	YES	448.83	0	6.27	YES
ST-STR-743	Headwall	432.406	435.906	3.5	432.41	0	0	YES	432.41	0	0	YES	432.41	0	0	YES
ST-STR-744	DS Headwa	416.473	419.473	3	416.59	2.85	2.85	YES	416.63	4.81	4.81	YES	416.68	7.73	7.73	YES
ST-STR-745	Headwall	457.826	457.826	0	459.84	5.95	5.95	YES	459.87	10.74	10.74	YES	459.9	19.15	19.15	YES
ST-STR-746	Spillway	450.207	450.207	0	450.3	0.22	0.22	YES	450.32	0.36	0.36	YES	450.34	0.57	0.57	YES
ST-STR-747	Unimprove	464.582	464.582	0	464.62	0.4	0.4	YES	464.63	0.74	0.74	YES	464.65	1.2	1.2	YES
ST-STR-748	Outlet, D-2	460.446	460.446	0	460.52	0	0.01	YES	460.52	0	0.02	YES	460.52	0	0.03	YES
ST-STR-749	Inlet	444.367	447.867	3.5	445.2	4.89	4.89	YES	445.57	8.78	8.79	YES	446.31	14.51	14.53	YES
ST-STR-75	Inlet	462.854	468.354	5.5	464.5	2.42	36.19	YES	468.51	3.88	65.06	YES	468.7	6.15	118.71	YES
ST-STR-750	Inlet	445.726	449.976	4.25	445.87	0.49	0.49	YES	445.91	0.82	0.82	YES	445.96	1.29	1.29	YES
ST-STR-751	Inlet	429.445	434.445	5	430.82	8.25	18.58	YES	435.11	14.7	30.25	YES	435.29	26.53	45.41	YES
ST-STR-752	Inlet	429.883	434.883	5	431.09	9.86	10.34	YES	435.45	17.56	18.37	YES	435.73	31.53	32.81	YES
ST-STR-753	Inlet	428.871	432.871	4	429.2	1.58	1.58	YES	429.32	2.83	2.83	YES	429.47	4.69	4.69	YES
ST-STR-754	Inlet	426.5	431.5	5	428.29	2.48	20.99	YES	431.83	4.24	28.36	YES	432.13	6.94	30.99	YES
ST-STR-755	Spillway	433.27	433.27	0	433.27	0	0	YES	433.27	0	0	YES	433.27	0	0	YES

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ST-STR-756	Inlet	406.56	413.699	7.139	407.73	3.99	37.47	YES	408.04	7.21	58.8	YES	408.41	12.07	85.44	YES
ST-STR-757	Inlet	433.517	433.517	0	433.52	0	0	YES	433.52	0	0	YES	433.52	0	0	YES
ST-STR-758	Inlet	370.026	378.526	8.5	371.47	4	21.31	YES	372.19	7.18	39.25	YES	376.35	12.52	65.18	YES
ST-STR-759	Inlet	392.715	397.215	4.5	392.98	1.59	1.59	YES	393.06	2.84	2.84	YES	393.17	4.77	4.77	YES
ST-STR-76	DS Headwa	391.65	393.886	0	391.67	0.61	0.61	YES	391.67	0.92	0.92	YES	391.67	1.4	1.4	YES
ST-STR-760	Inlet	390.88	396.88	6	391.55	3.38	17.35	YES	391.79	6.16	31.43	YES	392.08	10.24	52.95	YES
ST-STR-761	Inlet	340.691	345.191	4.5	341.98	4.79	33.06	NO	342.66	8.01	60.35	YES	345.31	13.44	91.37	YES
ST-STR-762	Inlet	356.775	362.275	5.5	357.61	6.25	28.7	YES	357.95	11.29	52.97	YES	358.29	18.66	80.25	YES
ST-STR-763	Inlet	368.536	374.036	5.5	369.55	2.72	23.46	YES	369.98	4.87	43.27	YES	370.59	8.06	68.66	YES
ST-STR-764	Inlet	404.524	408.524	4	404.62	0.12	0.12	YES	404.64	0.19	0.19	YES	404.67	0.29	0.29	YES
ST-STR-765	Outlet, D-2	376.142	376.142	0	376.18	0	0.12	YES	376.18	0	0.18	YES	376.19	0	0.28	YES
ST-STR-766	Inlet	350.206	354.206	4	350.29	0.28	0.28	YES	350.31	0.45	0.45	YES	350.33	0.71	0.71	YES
ST-STR-767	Inlet	324.775	333.775	9	329.01	1.33	175.91	NO	334.71	2.25	321	NO	336.32	3.79	829.26	NO
ST-STR-768	Inlet	329.345	335.345	6	330.93	0.45	29.02	NO	335.08	0.72	50.41	NO	335.77	1.14	73.34	NO
ST-STR-769	Inlet	330.774	335.274	4.5	331.75	9.06	9.34	NO	335.64	16.01	16.46	NO	335.98	27.99	28.7	NO
ST-STR-770	Inlet	328.011	334.261	6.25	329.12	0.89	29.88	NO	334.4	1.45	52.4	NO	335.5	2.35	117.22	NO
ST-STR-771	Inlet	324.393	333.393	9	329.17	0.31	121.03	NO	334.65	0.48	363.82	NO	335.46	0.75	513.01	NO
ST-STR-772	Inlet	324.895	333.895	9	330.73	1.86	75.84	NO	335.19	3.26	117.4	NO	336.04	5.86	179.73	NO
ST-STR-773	Inlet	330.3	332.109	1.809	334.76	9.41	40.38	NO	335.13	16.21	64.47	NO	335.7	27.79	142.67	NO
ST-STR-774	Inlet	326.975	331.475	4.5	334.76	10.28	112.23	NO	335.2	17.29	192.17	NO	335.92	29.67	287.87	NO
ST-STR-775	Inlet	325.466	333.466	8	331.06	3.07	352.62	NO	334.89	5.19	370.97	NO	335.54	8.36	368.67	NO
ST-STR-776	Spillway	399	399	0	399	0	0	YES	399	0	0	YES	399	0	0	YES
ST-STR-777	Outlet, D-2	370.882	370.882	0	370.88	0	0	YES	370.88	0	0	YES	370.88	0	0	YES
ST-STR-778	Inlet	362.899	366.899	4	367.89	6.24	9.22	YES	368.12	11.14	13.72	YES	368.27	19.35	30.7	YES
ST-STR-779	Inlet	363.316	367.816	4.5	367.9	3.1	3.1	YES	368.08	5.51	5.51	YES	368.2	9.5	9.58	YES
ST-STR-78	DS Headwa	418.836	418.836	0	419.24	2.83	2.83	YES	419.35	4.49	4.49	YES	419.5	7.04	7.04	YES
ST-STR-780	Inlet	376.3	381.8	5.5	378.49	4.89	54.27	YES	382.49	8.79	68.57	YES	382.83	15.06	90.07	YES
ST-STR-781	Inlet	399.731	404.231	4.5	400.13	2.55	2.55	YES	400.28	4.52	4.52	YES	400.45	7.5	7.5	YES
ST-STR-782	Headwall	383.948	386.948	3	387.51	3.44	44.38	YES	387.8	6.56	72.5	YES	388.18	10.93	132.09	YES
ST-STR-783	Inlet	399.593	404.68	5.087	400.93	4.89	41.86	YES	401.29	9.05	67.28	YES	401.99	16.26	126.98	YES
ST-STR-785	Inlet	420.768	423.768	3	420.95	0.65	0.65	YES	421	1.07	1.07	YES	421.07	1.71	1.71	YES
ST-STR-786	Inlet	388.848	392.348	3.5	388.85	0	0	YES	388.85	0	0	YES	389.14	0	0.03	YES
ST-STR-787	Inlet	377.131	386.131	9	380.4	6.57	156.87	YES	381.7	10.97	265.11	YES	383.86	17.8	457.37	YES
ST-STR-788	Inlet	381.03	386.03	5	381.25	1.19	1.19	YES	381.32	2.04	2.04	YES	382.33	3.39	3.68	YES
ST-STR-789	Inlet	374.125	378.625	4.5	374.55	2.75	2.75	YES	376.46	4.86	4.86	YES	378.05	8.27	8.27	YES
ST-STR-79	DS Headwa	454.192	454.234	0	454.42	0	0.72	YES	454.48	0	1.27	YES	454.55	0	2.1	YES
ST-STR-790	Inlet	375.234	377.234	2	376.24	3.29	3.29	YES	377.37	5.5	5.5	YES	378.11	9.05	29.16	YES
ST-STR-791	Inlet	372.628	377.128	4.5	374.43	4.41	7.14	YES	376.33	7.81	15.88	YES	377.64	13.15	27.31	YES
ST-STR-792	Inlet	371.628	376.628	5	374.39	3.43	10.58	YES	375.98	5.99	25.39	YES	377.16	10.47	41.76	YES
ST-STR-793	Inlet	359.277	361.277	2	361.62	2.88	2.88	YES	362.61	4.72	4.72	YES	363.65	7.66	8.27	YES
ST-STR-794	Headwall	393.3	395.169	1.869	393.99	1.28	1.28	YES	394.29	2.26	2.26	YES	395.57	3.7	3.7	YES
ST-STR-795	Inlet	392.971	395.971	3	393.45	1.79	3.05	YES	393.76	3.22	5.45	YES	395.21	5.48	8.2	YES
ST-STR-796	DS Headwa	382.401	385.401	3	383.18	8.34	36.22	YES	383.32	14.48	55.25	YES	383.51	23.53	88.19	YES
ST-STR-797	Channel co	376.515	379.515	3	377.85	0.17	36.17	YES	378.03	0.32	53.86	YES	378.29	0.55	86.47	YES

Existing Condition Junctions Results Summary Table

	Dimensions				2-year				10-year				100-year			
Facility ID	Type	Invert Elevation (feet)	Rim Elevation (feet)	Depth (feet)	Max. HGL (2-year) (feet)	Max. Lateral Inflow (2-year) (cfs)	Max. Total Inflow (2-year) (cfs)	Surcharging (2-year)	Max. HGL (10-year) (feet)	Max. Lateral Inflow (10-year) (cfs)	Max. Total Inflow (10-year) (cfs)	Surcharging (10-year)	Max. HGL (100-year) (feet)	Max. Lateral Inflow (100-year) (cfs)	Max. Total Inflow (100-year) (cfs)	Surcharging (100-year)
ST-STR-798	Inlet	429.842	432.672	2.83	429.84	0	0	YES	429.84	0	0	YES	429.84	0	0	YES
ST-STR-800	Outlet, D-2	426.564	429.564	3	429.62	0.67	0.67	YES	429.64	1.15	1.15	YES	429.67	1.86	1.86	YES
ST-STR-801	Spillway	427.595	430.595	3	429.62	0	0.16	YES	429.64	0	0.02	YES	429.67	0	0.02	YES
ST-STR-802	Inlet	427.3	430.233	2.933	428.48	0.66	0.66	YES	430.21	1.18	1.18	YES	430.29	1.96	1.96	YES
ST-STR-803	Inlet	427.093	430.093	3	428.47	2.59	3.21	YES	430.17	4.61	5.78	YES	430.24	7.94	9.42	YES
ST-STR-804	Outlet, D-2	426.71	427.304	0.594	426.81	0	3.07	YES	426.83	0	4.52	YES	426.84	0	5.3	YES
ST-STR-805	Spillway	438.316	438.316	0	438.7	1.11	1.11	YES	438.78	1.94	1.94	YES	438.87	3.14	3.14	YES
ST-STR-806	Inlet	429.872	434.372	4.5	430.54	3.62	6.57	YES	430.91	6.48	13.01	YES	435.62	11.48	22.39	YES
ST-STR-807	Inlet	407.47	411.97	4.5	407.77	1.01	1.01	YES	408.09	1.59	1.59	YES	408.44	2.51	2.51	YES
ST-STR-809	Inlet	413.929	419.429	5.5	414.87	3.31	28.86	YES	415.1	5.54	42.56	YES	415.33	9.22	57.68	YES
ST-STR-810	Inlet	400	402.104	2.104	401.79	1.14	1.14	YES	401.8	1.84	1.84	YES	401.81	2.93	2.93	YES
ST-STR-811	Inlet	392.193	396.693	4.5	392.84	5.47	7.39	YES	397.18	9.14	24.48	YES	397.59	15.34	41.87	YES
ST-STR-812	Inlet	389.915	394.415	4.5	396.81	8.42	25.41	YES	397.22	14.05	57.76	YES	397.59	23.24	107.01	YES
ST-STR-813	Inlet	384.69	394.502	9.812	386.79	0.45	236.79	YES	387.8	0.71	444.63	YES	390.31	1.11	730.88	YES
ST-STR-814	Inlet	391.401	396.401	5	391.74	0.16	4.17	YES	392.06	0.25	15.71	YES	392.76	0.39	34.88	YES
ST-STR-815	Inlet	391.814	396.814	5	392.02	0.64	1.05	YES	392.06	1.05	1.6	YES	392.14	1.7	2.98	YES
ST-STR-816	Inlet	375.706	385.206	9.5	378.67	2.35	240.91	YES	380.04	3.83	453.76	YES	383.38	6.13	724.91	YES
ST-STR-817	Inlet	377.7	395.716	18.016	379.83	9.64	65.27	YES	380.9	16.3	133	YES	384.39	27.58	267.15	YES
ST-STR-819	Inlet	384.852	390.852	6	385.33	0.4	48.51	YES	385.38	0.63	85.11	YES	385.44	0.97	128.85	YES
ST-STR-821	Inlet	374.668	379.668	5	377.09	3.88	51.03	YES	377.99	6.4	49.99	YES	378.89	10.45	49.68	YES
ST-STR-822	Inlet	374.011	378.011	4	378.73	1.27	36.54	YES	379	1.99	32.93	YES	379.34	3.1	60.16	YES
ST-STR-823	Inlet	374.808	377.808	3	376.88	0.53	1.36	YES	377.9	0.87	1.33	YES	378.57	1.4	3.98	YES
ST-STR-824	Inlet	374.258	379.258	5	376.82	10.42	41.01	YES	377.91	17.1	49.56	YES	378.81	27.92	61.32	YES
ST-STR-825	Inlet	373.397	373.41	0	376.72	3.56	242.17	YES	377.86	6.03	470.59	YES	378.76	9.96	728.53	YES
ST-STR-826	Inlet	371.507	380.507	9	373.22	3.36	63.29	YES	373.76	5.37	106.53	YES	374.83	8.52	180.16	YES
ST-STR-827	Inlet	358.75	367.496	8.746	360.73	2.93	109.85	YES	361.83	4.89	200.16	YES	369.27	8.09	382.69	YES
ST-STR-828	Inlet	361.887	369.887	8	363.97	5.6	81.39	YES	364.89	9.33	152.78	YES	370.58	15.43	247.02	YES
ST-STR-829	Headwall	363.095	363.095	0	363.78	0	3.18	YES	364.1	0	5.22	YES	364.53	0	8.47	YES
ST-STR-83	DS Headwa	416.707	421.707	5	417.96	0	15.11	YES	419.64	0	27.05	YES	429.08	0	44.4	YES
ST-STR-830	Inlet	351.038	356.038	5	351.43	0.4	3.48	YES	351.61	0.64	6.01	YES	352.58	1.01	8.98	YES
ST-STR-831	Inlet	346.053	352.053	6	349.62	2.96	11.68	YES	351.54	4.87	21.22	YES	352.81	7.95	146.81	YES
ST-STR-832	Inlet	347.115	352.115	5	349.63	5.88	9.08	YES	351.53	9.58	14.9	YES	353.2	15.5	171.24	YES
ST-STR-833	Inlet	344	348.189	4.189	344.42	8.04	8.04	YES	344.7	13.82	13.83	YES	348.13	24.79	52.34	YES
ST-STR-834	Inlet	366.766	372.266	5.5	367.72	2.69	29.26	YES	368.05	4.47	49.27	YES	369.1	7.33	81.48	YES
ST-STR-835	Inlet	352.16	359.345	7.185	353.81	4.38	33.39	YES	358.72	7.11	75.8	YES	360.52	11.42	174.41	YES
ST-STR-836	Inlet	351.67	359.394	7.724	353.64	2.41	58.46	YES	358.7	3.98	129.04	YES	360.65	6.5	136.94	YES
ST-STR-837	Inlet	369.755	375.755	6	370.73	1.77	26.5	YES	371.04	2.95	44.68	YES	371.5	4.85	74.02	YES
ST-STR-838	Inlet	366.5	371.112	4.612	367.04	3.2	3.2	YES	367.2	5.25	5.25	YES	367.4	8.51	8.51	YES
ST-STR-839	Inlet	358.056	364.556	6.5	359.06	0.22	24.16	YES	359.23	0.33	32.97	YES	359.39	0.49	41.77	YES
ST-STR-84	Unimprove	420.284	425.284	5	421.16	14.18	14.18	YES	421.56	25.52	25.52	YES	431.22	43.31	43.31	YES
ST-STR-840	Inlet	336.3	341.436	5.136	342.37	1.91	136.11	NO	343.19	3.03	230.79	YES	344.99	4.8	435.4	YES
ST-STR-841	Inlet	337.2	342.84	5.64	343.75	10.26	104.41	YES	344.53	17.05	195.04	YES	346.04	28.14	446.21	YES
ST-STR-842	Headwall	334.553	334.553	0	338.02	2.99	269.85	NO	339.78	4.62	534.42	NO	342.19	7.15	1512.7	NO
ST-STR-843	Outlet, D-2	357.328	357.328	0	357.46	0	0	YES	357.5	0	0.51	YES	358.88	0	149.2	YES

Existing Condition Junctions Results Summary Table

	Dimensions				2-year				10-year				100-year			
Facility ID	Type	Invert Elevation (feet)	Rim Elevation (feet)	Depth (feet)	Max. HGL (2-year) (feet)	Max. Lateral Inflow (2-year) (cfs)	Max. Total Inflow (2-year) (cfs)	Surcharging (2-year)	Max. HGL (10-year) (feet)	Max. Lateral Inflow (10-year) (cfs)	Max. Total Inflow (10-year) (cfs)	Surcharging (10-year)	Max. HGL (100-year) (feet)	Max. Lateral Inflow (100-year) (cfs)	Max. Total Inflow (100-year) (cfs)	Surcharging (100-year)
ST-STR-844	Headwall	351.106	351.106	0	351.11	0	0	YES	351.11	0	0	YES	351.42	0	30.11	YES
ST-STR-845	Inlet	419.952	443.952	24	420.55	0.24	9.19	YES	420.72	0.37	15.14	YES	420.95	0.57	25.1	YES
ST-STR-846	Inlet	414.319	417.319	3	417.96	0.24	9.3	YES	417.99	0.36	15.37	YES	418.03	0.55	25.47	YES
ST-STR-849	Inlet	399.285	404.285	5	400.34	0.23	10.76	YES	402.55	0.35	18.79	YES	403.86	0.54	28.87	YES
ST-STR-85	DS Headwa	451.16	451.91	0	451.22	0	4.94	YES	451.24	0	9.1	YES	451.27	0	15.78	YES
ST-STR-850	Inlet	417.67	422.42	4.75	418.43	10.59	10.59	YES	418.73	18.53	18.53	YES	424.26	31.83	31.83	YES
ST-STR-851	Inlet	392.505	397.005	4.5	397.32	3.26	39.2	YES	397.88	5.39	113.68	YES	398.31	8.77	187.7	YES
ST-STR-853	Inlet	393.591	401.341	7.75	401.4	7.79	46.63	YES	401.79	13.15	50.43	YES	401.98	22.08	55.66	YES
ST-STR-854	Inlet	394.708	402.658	7.95	402.31	0.3	113.4	YES	402.99	0.49	136.63	YES	403.24	0.79	164.58	YES
ST-STR-855	Inlet	398.472	403.472	5	403.03	2.31	11.14	YES	403.87	3.85	16.49	YES	404.15	6.36	33.65	YES
ST-STR-856	Inlet	412.093	416.593	4.5	416.88	3.55	19.31	YES	417.16	6.18	36.61	YES	417.31	10.31	60.59	YES
ST-STR-857	Inlet	413.654	418.154	4.5	417.03	6.59	6.59	YES	418.18	11.43	11.45	YES	418.36	19.08	20.07	YES
ST-STR-858	Inlet	402.25	406.25	4	406.63	0.94	1.79	YES	406.79	1.5	1.5	YES	407.01	2.38	2.55	YES
ST-STR-859	Inlet	400.607	405.607	5	406.6	8.43	25.33	YES	406.76	14.25	42.14	YES	406.94	24.18	67.79	YES
ST-STR-860	Inlet	400.821	405.821	5	406.66	5.84	34.87	YES	406.85	9.69	50.68	YES	407.04	15.98	75.24	YES
ST-STR-861	Inlet	403.359	407.859	4.5	408.61	22.64	22.64	YES	408.68	39.86	39.86	YES	408.77	72.26	72.26	YES
ST-STR-862	Inlet	403.209	407.709	4.5	407.67	7.58	7.7	YES	407.86	12.81	17.68	YES	407.99	21.69	29.26	YES
ST-STR-863	Inlet	414.978	420.478	5.5	415.92	9.24	12	YES	416.84	16.62	21.97	YES	420.65	28.85	39.47	YES
ST-STR-864	Inlet	412.957	418.457	5.5	414.15	2.99	15.51	YES	416.34	5.38	28.15	YES	418.64	9.43	51.66	YES
ST-STR-865	Inlet	406.412	411.412	5	411.71	5.5	20.95	YES	411.86	9.26	37.2	YES	411.94	15.44	51.5	YES
ST-STR-866	Inlet	405.405	409.905	4.5	410.68	1.47	30.64	YES	411.06	2.4	65.98	YES	411.34	3.88	102.06	YES
ST-STR-867	Inlet	410.082	414.582	4.5	413.17	1.33	10.05	YES	414.88	2.21	17.74	YES	415.19	3.57	38.68	YES
ST-STR-868	Inlet	415.434	419.934	4.5	417.79	4.58	4.59	YES	419.93	7.89	7.93	YES	420.15	13.15	13.25	YES
ST-STR-869	Inlet	413.722	417.722	4	417.81	14.86	15.12	YES	417.95	26.35	26.84	YES	418.08	46.63	51.91	YES
ST-STR-870	Inlet	405.18	409.214	4.034	409.77	3.34	35.11	YES	409.83	5.58	37.17	YES	409.88	9.13	40.4	YES
ST-STR-871	Inlet	404.78	410.315	5.535	409.33	0.95	34.12	YES	409.53	1.54	33.81	YES	409.63	2.46	34.04	YES
ST-STR-872	Inlet	406.82	411.683	4.863	412.06	4.15	91.95	YES	412.08	7.02	95.93	YES	412.1	11.52	101.16	YES
ST-STR-873	Inlet	410	415.479	5.479	416.62	0.78	61.04	YES	416.74	1.25	84.48	YES	416.87	1.96	124.02	YES
ST-STR-874	Inlet	410.867	416.867	6	416.8	1.23	68.88	YES	416.92	2.04	92.45	YES	416.96	3.31	98.92	YES
ST-STR-875	Inlet	412.032	416.282	4.25	416.58	0.57	0.57	YES	416.69	0.94	0.94	YES	416.8	1.53	1.53	YES
ST-STR-876	Inlet	425.151	430.651	5.5	431.6	3.42	67.18	YES	435.2	5.59	112.44	YES	436.85	8.76	130.81	YES
ST-STR-877	Inlet	421.968	427.968	6	423.85	0.34	67.79	YES	424.5	0.55	90.91	YES	426.62	0.87	96.92	YES
ST-STR-878	Inlet	422.201	426.201	4	422.41	0.63	0.63	YES	422.46	1.01	1.01	YES	422.53	1.59	1.59	YES
ST-STR-879	Inlet	428.029	433.529	5.5	428.37	3.93	3.93	YES	428.47	6.53	6.53	YES	429.37	10.51	54.58	YES
ST-STR-88	Discharge	354.395	355.168	0	354.87	1.04	10.75	YES	355.04	1.82	20.55	YES	355.21	2.91	33.81	YES
ST-STR-881	Inlet	411.23	417.693	6.463	416.98	8.79	60.81	YES	417.39	14.81	80.14	YES	417.81	24.34	94.78	YES
ST-STR-882	Inlet	412	416.672	4.672	417.25	1.31	58.64	YES	417.94	2.14	76.03	YES	418.37	3.44	120.65	YES
ST-STR-883	Inlet	418.32	424.569	6.249	419.62	1.06	54.36	YES	419.97	1.76	83.99	YES	421.43	2.83	151.69	YES
ST-STR-884	Headwall	430.872	430.872	0	431.14	0.91	0.91	YES	431.21	1.47	1.47	YES	431.58	2.31	5.66	YES
ST-STR-885	Inlet	420.895	424.895	4	421.11	0.96	0.96	YES	421.17	1.52	1.52	YES	421.31	2.37	2.37	YES
ST-STR-887	Outlet, D-2	422.027	422.027	0	422.03	0	0	YES	422.03	0	0	YES	422.03	0	0	YES
ST-STR-888	Inlet	417.06	422.06	5	417.66	3.66	3.66	YES	417.95	6.07	6.07	YES	418.38	9.79	9.79	YES
ST-STR-889	Inlet	412.804	416.804	4	417.62	3.38	7.03	YES	417.95	5.81	26.62	YES	418.37	9.81	46.79	YES
ST-STR-890	Unimprove	437.993	437.993	0	437.99	0	0	YES	437.99	0	0	YES	437.99	0	0	YES

Existing Condition Junctions Results Summary Table

	Dimensions				2-year				10-year				100-year			
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ST-STR-893	Inlet	429.309	433.809	4.5	429.85	4.14	6.19	YES	430.08	7.33	11.48	YES	432.46	12.33	22.38	YES
ST-STR-894	Inlet	428.139	433.639	5.5	429.45	1.59	15.55	YES	430.04	2.56	27.91	YES	435.36	4.05	49.88	YES
ST-STR-895	Conduit co	426.879	434.879	8	427.8	0	15.43	YES	428.19	0	27.51	YES	444.45	0	40.03	YES
ST-STR-896	Inlet	322.549	327.049	4.5	323.25	1.54	3	NO	323.47	2.45	4.87	NO	323.71	3.88	7.86	NO
ST-STR-897	Inlet	322.336	326.836	4.5	322.68	2.85	6.08	NO	322.78	4.9	10.25	NO	322.9	8.18	16.55	NO
ST-STR-898	Manhole	299.6	302.837	3.237	303.79	0	26.77	NO	304.11	0	25.88	NO	304.38	0	24.17	NO
ST-STR-899	Manhole	312.596	317.596	5	313	0	5.24	NO	313.13	0	9.35	NO	313.3	0	15.69	NO
ST-STR-900	Manhole	432.002	438.002	6	432.54	0	5.42	YES	432.72	0	9.57	YES	432.97	0	16.51	YES
ST-STR-901	Manhole	430.556	435.556	5	431.08	0	5.43	YES	431.26	0	9.57	YES	431.51	0	16.57	YES
ST-STR-902	Manhole	425.727	430.727	5	426.56	0	16.34	YES	426.89	0	29.3	YES	427.34	0	48.94	YES
ST-STR-903	Manhole	423.35	431.35	8	424.1	4.23	23.14	YES	424.34	7.51	39.65	YES	424.71	12.75	70.81	YES
ST-STR-904	Manhole	432.444	437.444	5	432.72	0	2.56	YES	432.83	0	5.07	YES	433.05	0	12.72	YES
ST-STR-905	Manhole	435.348	440.348	5	435.77	0	2.56	YES	435.94	0	5.09	YES	436.32	0	12.72	YES
ST-STR-906	Manhole	272	278.442	6.442	273.67	0	3.02	NO	274.25	0	4.22	NO	277.59	0	38.37	NO
ST-STR-907	Manhole	324	333.876	9.876	328.93	0	462.21	NO	333.79	0	598.36	NO	334.52	0	628.1	NO
ST-STR-908	Manhole	430.86	442.36	11.5	431.45	0	4.05	YES	431.65	0	6.91	YES	431.89	0	10.37	YES
ST-STR-909	Manhole	426	432.852	6.852	426.32	0	4.53	YES	426.41	0	7.7	YES	426.51	0	11.8	YES
ST-STR-91	Headwall	330.069	330.07	0	330.75	8.44	8.44	NO	330.98	14.67	14.67	NO	331.35	25.17	25.17	NO
ST-STR-910	Manhole	395.839	400.839	5	396.25	0	4.52	YES	396.38	0	7.69	YES	398.34	0	11.79	YES
ST-STR-911	Manhole	438	448.002	10.002	446.62	0	84.31	YES	446.81	0	86.01	YES	446.92	0	86.11	YES
ST-STR-912	Manhole	490.482	495.982	5.5	490.68	0	0.57	YES	490.77	0	0.98	YES	490.87	0	1.76	YES
ST-STR-913	Manhole	398.481	401.481	3	399.17	0	24.01	YES	399.35	0	38.95	YES	399.44	0	48.34	YES
ST-STR-914	Manhole	418.019	422.519	4.5	418.71	0	7.55	YES	418.93	0	12.04	YES	419.34	0	18.87	YES
ST-STR-915	Manhole	426.7	431.73	5.03	427.3	0	6.84	YES	427.49	0	10.91	YES	427.76	0	17.16	YES
ST-STR-916	Manhole	415.614	420.114	4.5	416.24	0	7.55	YES	416.43	0	12.04	YES	416.76	0	18.7	YES
ST-STR-917	Manhole	451.193	455.693	4.5	451.62	0	5.28	YES	451.73	0	8.38	YES	451.88	0	13.11	YES
ST-STR-918	Manhole	462.78	467.28	4.5	463.24	0	4.32	YES	463.37	0	6.86	YES	463.54	0	10.72	YES
ST-STR-919	Manhole	474	478.951	4.951	474.33	0	2.11	YES	474.42	0	3.39	YES	474.53	0	5.3	YES
ST-STR-920	Manhole	404.289	411.289	7	406.25	0	56.16	YES	410.33	0	104.15	YES	411.7	0	174.88	YES
ST-STR-921	Manhole	378.433	382.933	4.5	378.67	0	2.78	YES	378.74	0	4.75	YES	378.83	0	7.91	YES
ST-STR-922	Manhole	344.724	349.224	4.5	345.2	0	5.64	YES	345.36	0	9.75	YES	345.58	0	16.34	YES
ST-STR-923	Manhole	368.338	379.338	11	369.04	0	19.39	YES	369.27	0	34.32	YES	369.6	0	60.39	YES
ST-STR-924	Manhole	363.218	368.218	5	364.06	0	17.2	YES	364.41	0	31.14	YES	366.87	0	47.57	YES
ST-STR-925	Manhole	350.907	355.907	5	351.86	0	17.19	YES	352.3	0	31.11	YES	356.59	0	44.34	YES
ST-STR-927	Manhole	449.329	455.579	6.25	451.66	0	5.57	YES	455.51	0	8.06	YES	456.25	0	7.12	YES
ST-STR-928	Manhole	429.398	434.398	5	429.66	0	1.36	YES	429.74	0	2.37	YES	429.84	0	3.9	YES
ST-STR-929	Manhole	422.949	427.949	5	423.25	0	1.34	YES	423.34	0	2.32	YES	423.46	0	3.86	YES
ST-STR-93	DS Headwa	351.706	351.864	0	352.1	0	9.61	YES	352.75	0	39.4	YES	353.17	0	66.87	YES
ST-STR-930	Manhole	406.516	413.516	7	409.59	0	46.04	YES	413.7	0	67.57	YES	414.18	0	65.85	YES
ST-STR-931	Manhole	402.785	408.785	6	405.36	0	69.89	YES	406.75	0	79.64	YES	407.16	0	81.72	YES
ST-STR-932	Manhole	418.779	424.779	6	419.53	0	18.07	YES	419.79	0	32.36	YES	420.25	0	57.54	YES
ST-STR-933	Manhole	409.263	415.263	6	410.19	0	17.99	YES	414.08	0	32.23	YES	415.42	0	57.63	YES
ST-STR-934	Manhole	410	418.734	8.734	415.6	0	56.59	YES	418.8	0	83.12	YES	420.66	0	101.81	YES
ST-STR-935	Manhole	408.252	414.252	6	413.8	0	54.73	YES	415.05	0	64.54	YES	415.46	0	64.68	YES

Existing Condition Junctions Results Summary Table

	Dimensions				2-year				10-year				100-year			
Facility ID	Type	Invert Elevation (feet)	Rim Elevation (feet)	Depth (feet)	Max. HGL (2-year) (feet)	Max. Lateral Inflow (2-year) (cfs)	Max. Total Inflow (2-year) (cfs)	Surcharging (2-year)	Max. HGL (10-year) (feet)	Max. Lateral Inflow (10-year) (cfs)	Max. Total Inflow (10-year) (cfs)	Surcharging (10-year)	Max. HGL (100-year) (feet)	Max. Lateral Inflow (100-year) (cfs)	Max. Total Inflow (100-year) (cfs)	Surcharging (100-year)
ST-STR-936	Manhole	420.883	425.383	4.5	422.04	11.29	11.29	YES	425.9	19.11	19.11	YES	426.38	31.95	31.95	YES
ST-STR-937	Manhole	435.535	442.035	6.5	436.42	0	23.48	YES	436.73	0	41.67	YES	437.2	0	55.78	YES
ST-STR-938	Manhole	425.01	435.788	10.778	427.02	0	36.37	YES	433.83	0	54.07	YES	435.06	0	60.28	YES
ST-STR-939	Manhole	439.3	444.362	5.062	445.56	0	17.92	YES	446.18	0	30.52	YES	446.27	0	32.8	YES
ST-STR-94	DS Headwa	357.631	357.905	0	360.11	0	142.72	YES	361.06	0	244.27	YES	361.74	0	386.43	YES
ST-STR-940	Manhole	443.716	448.216	4.5	445.43	0	2.77	YES	446.22	0	4.81	YES	447.45	0	7.74	YES
ST-STR-941	Manhole	444.423	449.423	5	446.3	0	18.17	YES	448.71	0	30.52	YES	449.19	0	32.86	YES
ST-STR-942	Manhole	437	441.109	4.109	440.36	0	9.07	YES	440.64	0	10.44	YES	440.96	0	12.51	YES
ST-STR-943	Manhole	437.424	442.924	5.5	440.36	0	0.35	YES	440.64	0	0.61	YES	440.97	0	1.35	YES
ST-STR-944	Manhole	440.387	445.887	5.5	440.39	0	0	YES	440.66	0	0.3	YES	440.99	0	0.68	YES
ST-STR-945	Manhole	429.443	433.943	4.5	430.82	0	4.6	YES	432.25	0	7.94	YES	433.98	0	12.45	YES
ST-STR-946	Manhole	427.63	431.63	4	430.61	0	8.91	YES	431.49	0	10.19	YES	431.93	0	13.02	YES
ST-STR-947	Manhole	414	418.996	4.996	415.48	0	16.97	YES	415.98	0	29.82	YES	417.57	0	53.5	YES
ST-STR-948	Manhole	394.5	398.179	3.679	398.46	0	17.09	YES	399.42	0	17.15	YES	399.44	0	17.15	YES
ST-STR-949	Manhole	446.5	448.756	2.256	446.77	0	1.41	YES	446.86	0	2.52	YES	446.97	0	4.14	YES
ST-STR-950	Manhole	436.479	440.479	4	441.01	0	14.38	YES	441.28	0	24.16	YES	441.43	0	26.52	YES
ST-STR-951	Manhole	402.186	407.686	5.5	403.16	0	20.3	YES	403.56	0	32.17	YES	405.64	0	43.76	YES
ST-STR-952	Manhole	410.204	423.704	13.5	411.44	0	20.41	YES	411.85	0	32.34	YES	413.08	0	41.4	YES
ST-STR-953	Manhole	403.119	408.619	5.5	404.49	0	20.35	YES	405.02	0	32.27	YES	406.89	0	43.56	YES
ST-STR-954	Manhole	446	450.986	4.986	446.68	0	3.22	YES	448.58	0	5.66	YES	451.06	0	7.84	YES
ST-STR-955	Manhole	432.991	441.491	8.5	433.76	11.47	11.52	YES	434.02	20.46	20.55	YES	434.38	35.18	35.32	YES
ST-STR-956	Manhole	393.833	405.833	12	394.89	0	15.28	YES	395.28	0	27.54	YES	395.79	0	46	YES
ST-STR-957	Manhole	361.937	367.437	5.5	367.76	0	57.55	YES	368.32	0	71.77	YES	368.48	0	72.92	YES
ST-STR-958	Manhole	358.664	363.664	5	362.03	0	2.95	YES	362.97	0	2.97	YES	363.86	0	3.63	YES
ST-STR-959	Manhole	407.013	412.513	5.5	408.92	0	28.81	YES	409.4	0	42.52	YES	409.81	0	57.63	YES
ST-STR-96	DS Headwa	375.242	375.242	0	375.56	0	21.61	YES	375.73	0	42.72	YES	376.09	0	88.85	YES
ST-STR-960	Manhole	400.53	407.53	7	401.83	0	29.83	YES	402.14	0	45.01	YES	402.44	0	59.92	YES
ST-STR-961	Manhole	387.809	395.809	8	392.68	0	190.93	YES	394.39	0	218.89	YES	395.77	0	236.54	YES
ST-STR-962	Manhole	381.46	396.953	15.493	383.34	0	61.41	YES	384.24	0	124.82	YES	386.97	0	255.95	YES
ST-STR-963	Manhole	377.241	388.741	11.5	379.16	0	66.77	YES	380.44	0	132.98	YES	383.95	0	267.53	YES
ST-STR-964	Manhole	369.19	376.19	7	369.95	0	63.35	YES	370.17	0	106.49	YES	371.25	0	177.08	YES
ST-STR-965	Manhole	361.412	370.412	9	362.93	0	79.32	YES	363.6	0	147.69	YES	369.99	0	225.67	YES
ST-STR-966	Manhole	344.826	353.326	8.5	349.62	0	172.77	YES	351.52	0	295.03	YES	352.67	0	359.78	YES
ST-STR-967	Manhole	344	351.647	7.647	349.06	0	174.16	YES	350	0	299.2	YES	351.13	0	351.33	YES
ST-STR-968	Manhole	350.585	361.585	11	353.41	0	163.27	YES	358	0	292.58	YES	360.42	0	340.91	YES
ST-STR-969	Manhole	338.9	343.9	5	344.04	0	50.23	YES	344.33	0	32.96	YES	350.28	0	121.54	YES
ST-STR-97	Outlet	421.023	421.342	0	421.14	4.4	9.63	YES	421.19	7.79	18.79	YES	421.26	13.44	32.48	YES
ST-STR-970	Manhole	395.022	399.022	4	396.09	0	3.54	YES	398.38	0	5.76	YES	400	0	8.85	YES
ST-STR-971	Manhole	392.774	400.524	7.75	400.07	0	157.31	YES	400.75	0	156.07	YES	401.07	0	157.35	YES
ST-STR-972	Manhole	398.11	403.861	5.751	402.7	0	114.09	YES	403.43	0	114.72	YES	403.65	0	112.3	YES
ST-STR-973	Manhole	400.48	407.482	7.002	407.65	0	53.94	YES	408.29	0	57.31	YES	408.52	0	60.1	YES
ST-STR-974	Manhole	404.601	410.601	6	410.85	0	35.62	YES	411.14	0	36.9	YES	411.33	0	36.27	YES
ST-STR-975	Manhole	409.018	415.018	6	411.88	0	20.53	YES	412.64	0	23.39	YES	412.89	0	22.59	YES
ST-STR-976	Manhole	413.486	417.986	4.5	417.13	0	12.81	YES	417.84	0	11.82	YES	417.99	0	11.66	YES

Existing Condition Junctions Results Summary Table

	Dimensions				2-year				10-year				100-year			
Facility ID	Type	Invert Elevation (feet)	Rim Elevation (feet)	Depth (feet)	Max. HGL (2-year) (feet)	Max. Lateral Inflow (2-year) (cfs)	Max. Total Inflow (2-year) (cfs)	Surcharging (2-year)	Max. HGL (10-year) (feet)	Max. Lateral Inflow (10-year) (cfs)	Max. Total Inflow (10-year) (cfs)	Surcharging (10-year)	Max. HGL (100-year) (feet)	Max. Lateral Inflow (100-year) (cfs)	Max. Total Inflow (100-year) (cfs)	Surcharging (100-year)
ST-STR-977	Manhole	409.5	415.863	6.363	416.52	0	95.24	YES	416.62	0	97.57	YES	416.7	0	99.35	YES
ST-STR-978	Manhole	423.528	431.528	8	425.19	0	67.62	YES	425.66	0	91.11	YES	427.65	0	102.22	YES
ST-STR-979	Manhole	424.778	430.278	5.5	426.63	0	59.97	YES	427.42	0	78.06	YES	429.28	0	81.18	YES
ST-STR-98	DS Headwa	422.256	423.639	0	422.29	0	3.73	YES	422.31	0	6.69	YES	422.33	0	10.15	YES
ST-STR-980	Manhole	412.36	423.23	10.87	417.59	0	58.46	YES	418.49	0	90.13	YES	420.07	0	156.8	YES
ST-STR-981	Manhole	417.79	425.391	7.601	419.18	0	56.53	YES	419.56	0	90.21	YES	421.28	0	156.92	YES
ST-STR-982	Manhole	419.322	425.322	6	420.22	0	9.7	YES	420.51	0	15.98	YES	421.3	0	25.79	YES
ST-STR-984	Conduit co	380.345	389.345	9	383.07	0	154.07	YES	384.22	0	261.3	YES	386.14	0	356.76	YES
ST-STR-985	Headwall	413.305	413.305	0	414.18	1.54	15.8	YES	414.4	2.5	23.64	YES	414.61	3.92	31.98	YES
ST-STR-986	Conduit co	400.134	406.134	6	406.71	0	53.7	YES	406.89	0	52.8	YES	407.08	0	51.34	YES
ST-STR-987	Headwall	431.976	435.976	4	435.58	1.81	33.42	YES	435.84	3.03	36.17	YES	436.07	4.88	39.58	YES
ST-STR-988	Inlet	337.529	338.727	1.198	337.99	3.45	3.45	NO	338.19	6.34	6.34	NO	338.64	10.74	10.74	NO
ST-STR-989	Headwall	299.416	299.416	0	302.9	26.22	313.07	NO	303.76	47.33	386.5	NO	304.92	86.57	723.4	NO
ST-STR-990	Headwall	437.593	437.593	0	438.23	5.72	5.72	YES	438.7	9.95	9.95	YES	439.56	17.71	17.71	YES
ST-STR-991	Headwall	412.966	412.966	0	413.63	4.93	27.13	YES	413.84	9.04	47.39	YES	414.15	14.79	83.7	YES
ST-STR-992	Headwall	362.82	366.82	4	362.99	3.86	4.12	YES	363.07	6.76	7.42	YES	363.16	11.91	13.69	YES
ST-STR-993	Headwall	330.897	335.897	5	332.3	3.48	37.31	NO	333.45	6.03	66.66	NO	333.76	9.79	69.65	NO
ST-STR-994	Headwall	408.368	408.368	0	408.71	0.66	0.91	YES	408.85	1.2	1.66	YES	409.05	1.95	2.7	YES
ST-STR-995	Conduit co	402.459	407.959	5.5	403.36	0	18.94	YES	403.59	0	29.02	YES	404.55	0	40.87	YES
ST-STR-996	Headwall	495.702	495.702	0	495.78	0.28	0.28	YES	495.8	0.46	0.46	YES	495.83	0.74	0.74	YES
ST-STR-997	Headwall	488.148	488.148	0	488.86	31.91	33.89	YES	489.13	57.94	61.37	YES	489.54	107.15	112.87	YES
ST-STR-998	Headwall	398.897	398.897	0	400.32	1.01	16.52	YES	400.68	1.9	28.67	YES	400.78	3.17	50.09	YES
ST-STR-999	Headwall	452.563	452.563	0	453.23	4.94	4.94	YES	453.69	9.1	9.1	YES	455.26	15.82	15.82	YES

Proposed Condition Storm Drain Results Summary Table

Conveyance Info		Dimensions						2-year		10-year		100-year	
Facility ID	Name	D' or H' (diameter) or (height)	B' (width)	Barrels	Shape	Slope (ft/ft)	Material	Q_{con} (2-year) (cfs)	Qcon vs Qcap3	Q_{con} (10-year) (cfs)	Qcon vs Qcap32	Q_{con} (100-year) (cfs)	Qcon vs Qcap7
1164	1	1	0	1	CIRCULAR	0.51503	CMP	0	0	0	0	0	0
504	68	5	16	1	RECT_CLOSED	0.00155	RCB	617.05	1.12	923.17	1.67	1133.18	2.05
505	69	5	16	1	RECT_CLOSED	0.0104	CMP	623.55	0.44	844.35	0.59	990.05	0.69
486	187	2	0	1	CIRCULAR	0.13435	RCP	8.05	0.1	47.38	0.57	62.17	0.75
506	70_CMS	5.5	0	1	CIRCULAR	0.01427	RCP	144.83	0.36	232.19	0.58	262.73	0.66
551	C232	4	0	1	CIRCULAR	0.08121	RCP	0	0	0	0	8.67	0.02
994	C3287	3.5	0	3	CIRCULAR	0.03785	CMP	289.03	0.49	408.32	0.7	530.33	0.9
998	C3309_3	4	8	1	RECT_CLOSED	0.01601	RCB	295.61	0.53	408	0.73	530.3	0.95
999	C3309_4	4	8	1	RECT_CLOSED	0.05066	RCB	296.94	0.3	408.32	0.41	530.32	0.53
1159	C389	1.5	0	1	CIRCULAR	0.01571	RCP	1.48	0.11	2.8	0.21	5.09	0.39
1163	C433	3	0	1	CIRCULAR	0.2311	RCP	5.2	0.02	8.27	0.03	12.96	0.04
1006	CMS_1	3.5	0	1	CIRCULAR	0.02399	RCP	9.17	0.06	16.17	0.1	57.97	0.37
428	ST-MAI-1	5	0	1	CIRCULAR	0.00681	RCB	117.73	0.55	205.8	0.96	259	1.2
1013	ST-MAI-100	2	0	1	CIRCULAR	0.0273	CMP	14.86	0.4	27.16	0.73	40.21	1.08
1014	ST-MAI-101	2	0	1	CIRCULAR	0.0271	RCP	14.63	0.39	25.99	0.7	39.25	1.05
918	ST-MAI-1019	4	0	1	CIRCULAR	0.00832	RCP	45.24	0.35	77.51	0.59	153.56	1.17
1015	ST-MAI-102	1.5	0	1	CIRCULAR	0.08918	RCP	9.73	0.31	18.75	0.6	30.99	0.99
1144	ST-MAI-1027	1	0	1	CIRCULAR	0.10366	Other	0.01	0	0.01	0	0.02	0
1145	ST-MAI-1028	1	0	1	CIRCULAR	0.10304	Other	5.01	0.34	7.89	0.53	12.3	0.83
1146	ST-MAI-1029	1	0	1	CIRCULAR	0.6801	Other	2.81	0.07	4.46	0.12	7.01	0.18
1016	ST-MAI-103	2	0	1	CIRCULAR	0.07777	CMP	8.24	0.24	14.56	0.43	25.16	0.74
1147	ST-MAI-1030	2	0	1	CIRCULAR	0.06256	CONC	0.71	0.02	1.26	0.03	2.08	0.05
1149	ST-MAI-1032	3	0	1	CIRCULAR	0.01072	CONC	11.34	0.16	19.95	0.29	33.52	0.49
1150	ST-MAI-1033	3	0	1	CIRCULAR	0.00597	CONC	15.43	0.3	26.86	0.52	44.87	0.87
1162	ST-MAI-1035	2	0	1	CIRCULAR	0.0109	Other	15.62	0.66	26.7	1.13	46.54	1.97
1155	ST-MAI-1036_1	2	0	1	CIRCULAR	0.00912	CONC	0.59	0.02	1.47	0.05	1.94	0.07
1017	ST-MAI-104	2	0	1	CIRCULAR	0.00314	CMP	2.51	0.37	3.92	0.57	6.08	0.89
218	ST-MAI-1043	2	0	1	CIRCULAR	0.03297	CONC	0	0	0	0	1.72	0.04
219	ST-MAI-1044	2	0	1	CIRCULAR	0.05453	CONC	0	0	0	0	4.05	0.08
862	ST-MAI-105	3.5	0	1	CIRCULAR	0.02442	RCP	12.78	0.08	22.17	0.14	37.89	0.24
919	ST-MAI-1051	2	0	1	CIRCULAR	0.01107	CONC	7.28	0.31	12.58	0.53	19.54	0.82
920	ST-MAI-1052	2	0	1	CIRCULAR	0.00682	CONC	2.66	0.14	4.4	0.24	8.02	0.43
921	ST-MAI-1053	2	0	1	CIRCULAR	0.00684	CONC	2.95	0.16	4.82	0.26	7.88	0.42
922	ST-MAI-1054	2	0	1	CIRCULAR	0.00871	CONC	2.58	0.12	4.28	0.2	8.37	0.4
923	ST-MAI-1055	2	0	1	CIRCULAR	0.00682	CONC	5.47	0.29	8.96	0.48	14.83	0.79
924	ST-MAI-1056	2	0	1	CIRCULAR	0.01281	CONC	7.69	0.3	13.2	0.52	19.73	0.77
925	ST-MAI-1057	1	0	1	CIRCULAR	0.00788	CONC	0.93	0.29	1.47	0.46	3.79	1.2
926	ST-MAI-1058	2.5	0	1	CIRCULAR	0.00683	CONC	14.19	0.42	23.93	0.71	28.79	0.85
927	ST-MAI-1059	1.5	0	1	CIRCULAR	0.08322	CONC	1.09	0.04	1.69	0.06	2.6	0.09
863	ST-MAI-106	2.5	0	3	CIRCULAR	0.01994	RCP	45.23	0.26	77.41	0.45	142.71	0.82
928	ST-MAI-1060	1.5	0	1	CIRCULAR	0.00648	CONC	1.61	0.19	2.59	0.31	9.01	1.07
929	ST-MAI-1061	2.5	0	1	CIRCULAR	0.00759	CONC	18.71	0.52	30.4	0.85	29.15	0.82
930	ST-MAI-1062	2	0	1	CIRCULAR	0.07643	CONC	1.72	0.03	2.68	0.04	5.64	0.09
931	ST-MAI-1063	2	0	1	CIRCULAR	0.00619	CONC	1.21	0.07	1.87	0.1	15.02	0.84
932	ST-MAI-1064	2	0	1	CIRCULAR	0.09982	CONC	28.83	0.4	50.59	0.71	61.73	0.86
933	ST-MAI-1065	3.5	0	1	CIRCULAR	0.00565	CONC	22.15	0.29	34.27	0.45	34.58	0.46
934	ST-MAI-1066	3.5	0	1	CIRCULAR	0.00683	CONC	47.66	0.57	73.4	0.88	71.69	0.86
935	ST-MAI-1067	2	0	1	CIRCULAR	0.0778	CONC	13.08	0.21	25.15	0.4	45.83	0.73
936	ST-MAI-1068	2	0	1	CIRCULAR	0.3288	CONC	13.1	0.1	25.55	0.2	48.53	0.37
937	ST-MAI-1069	2	0	1	CIRCULAR	0.03638	CONC	13.1	0.3	25.56	0.59	48.68	1.13
864	ST-MAI-107	3	0	1	CIRCULAR	0.01441	RCP	15.28	0.19	26.69	0.33	45.4	0.57
938	ST-MAI-1070	4	0	1	CIRCULAR	0.00683	CONC	61.62	0.52	88.24	0.74	121.74	1.03
939	ST-MAI-1071	4	0	1	CIRCULAR	0.00778	CONC	65.78	0.52	87.78	0.69	130.94	1.03
940	ST-MAI-1072	2.5	0	1	CIRCULAR	0.03688	CONC	36.12	0.46	71.61	0.91	76.62	0.97
220	ST-MAI-1073	1.5	0	1	CIRCULAR	0.49848	CONC	0	0	0	0	0	0
221	ST-MAI-1074	2	0	1	CIRCULAR	0.1602	RCP	12.51	0.14	21.86	0.24	36.51	0.4
222	ST-MAI-1075	2	0	1	CIRCULAR	0.11358	RCP	13.6	0.18	23.96	0.31	40.03	0.53
223	ST-MAI-1076	4	0	1	CIRCULAR	0.0126	RCP	52.51	0.33	92.91	0.58	129.39	0.8
224	ST-MAI-1077	5	0	1	CIRCULAR	0.00215	RCP	54.06	0.45	94.77	0.79	134.44	1.11
225	ST-MAI-1079	2	0	1	CIRCULAR	0.23773	CONC	1.63	0.01	2.79	0.03	4.71	0.04
227	ST-MAI-1080	2	0	1	CIRCULAR	0.26307	CONC	0.91	0.01	1.52	0.01	2.48	0.02
228	ST-MAI-1082	2	0	1	CIRCULAR	0.28416	CONC	1.07	0.01	1.83	0.02	3.06	0.03
229	ST-MAI-1084	1.5	0	1	CIRCULAR	0.01915	RCP	1.31	0.09	2.33	0.16	3.97	0.27
230	ST-MAI-1085	1.5	0	1	CIRCULAR	0.08175	RCP	2.56	0.09	4.48	0.15	7.53	0.25
231	ST-MAI-1086	1.5	0	1	CIRCULAR	0.0997	RCP	2.55	0.08	4.46	0.13	7.5	0.23
232	ST-MAI-1087	1.5	0	1	CIRCULAR	0.03039	RCP	2.51	0.14	4.4	0.24	7.4	0.4
233	ST-MAI-1088	1.5	0	1	CIRCULAR	0.01047	RCP	3.21	0.3	5.53	0.51	8.52	0.79
234	ST-MAI-1089	1.5	0	1	CIRCULAR	0.01185	RCP	3.46	0.3	5.91	0.52	9.86	0.86
865	ST-MAI-109	2.75	0	1	CIRCULAR	0.02737	RCP	20.59	0.24	34.04	0.39	77.88	0.89
235	ST-MAI-1090	1.5	0	1	CIRCULAR	0.02159	RCP	6.4	0.41	11.01	0.71	13.65	0.88

Proposed Condition Storm Drain Results Summary Table

Conveyance Info		Dimensions						2-year		10-year		100-year	
Facility ID	Name	D' or H' (diameter) or (height)	B' (width)	Barrels	Shape	Slope (ft/ft)	Material	Q_{con} (2-year) (cfs)	Qcon vs Qcap3	Q_{con} (10-year) (cfs)	Qcon vs Qcap32	Q_{con} (100-year) (cfs)	Qcon vs Qcap7
236	ST-MAI-1091	1.5	0	1	CIRCULAR	0.12254	RCP	1.26	0.03	2.11	0.06	3.38	0.09
237	ST-MAI-1092	1.5	0	1	CIRCULAR	0.00459	RCP	5.43	0.76	8.78	1.23	14.31	2.01
238	ST-MAI-1093	1.5	0	1	CIRCULAR	0.05928	RCP	12.79	0.5	20.74	0.81	25.14	0.98
239	ST-MAI-1094	1.5	0	1	CIRCULAR	0.00862	RCP	11.88	1.22	15.24	1.56	14.83	1.52
240	ST-MAI-1095	1.5	0	1	CIRCULAR	0.02045	RCP	12.92	0.86	15.99	1.06	15.38	1.02
241	ST-MAI-1096	1.5	0	1	CIRCULAR	0.0199	RCP	12.93	0.87	14.86	1	14.45	0.98
242	ST-MAI-1097	1.5	0	1	CIRCULAR	0.00852	RCP	0.55	0.06	3.5	0.36	2.89	0.3
243	ST-MAI-1098	1.5	0	1	CIRCULAR	0.08713	RCP	1.12	0.04	2.99	0.1	2.94	0.09
244	ST-MAI-1099	1.5	0	1	CIRCULAR	0.01599	RCP	2.3	0.17	4.16	0.31	4.13	0.31
866	ST-MAI-110	3.5	0	1	CIRCULAR	0.02105	RCP	112.84	0.77	157.28	1.08	170.52	1.17
245	ST-MAI-1100	1.5	0	1	CIRCULAR	0.01148	RCP	4.64	0.41	9.08	0.81	12.93	1.15
246	ST-MAI-1101	1.5	0	1	CIRCULAR	0.08919	RCP	18.4	0.59	22.31	0.71	22.21	0.71
247	ST-MAI-1102	1.5	0	1	CIRCULAR	0.02806	RCP	20.09	1.14	25.42	1.44	29.27	1.66
248	ST-MAI-1103	2	0	1	CIRCULAR	0.28995	RCP	20.99	0.17	27.07	0.22	41.83	0.34
251	ST-MAI-1105	2.5	0	1	CIRCULAR	0.0249	CONC	23.94	0.37	35.02	0.54	44.78	0.69
252	ST-MAI-1106	1.5	0	1	CIRCULAR	0.00374	CONC	1.61	0.25	2.69	0.42	4.45	0.69
253	ST-MAI-1107	1.5	0	1	CIRCULAR	0.25101	CONC	1.93	0.04	3.15	0.06	5.06	0.1
941	ST-MAI-1108	2	0	1	CIRCULAR	0.07585	CONC	12.79	0.21	25.03	0.4	47.88	0.77
942	ST-MAI-1110	2	0	1	CIRCULAR	0.01	RCP	1.94	0.09	3.25	0.14	5.22	0.23
943	ST-MAI-1111	2	0	1	CIRCULAR	0.00913	RCP	4.1	0.19	6.62	0.31	10.53	0.49
944	ST-MAI-1112	2	0	1	CIRCULAR	0.08003	RCP	2.26	0.04	3.56	0.06	5.56	0.09
945	ST-MAI-1113	2	0	1	CIRCULAR	0.06722	RCP	2.27	0.04	3.57	0.06	5.58	0.1
946	ST-MAI-1114	2	0	1	CIRCULAR	0.50682	RCP	0.27	0	0.42	0	0.65	0
947	ST-MAI-1115	2	0	1	CIRCULAR	0.06722	RCP	2.02	0.03	3.18	0.05	4.96	0.08
948	ST-MAI-1116	2	0	1	CIRCULAR	0.06722	RCP	0.78	0.01	1.22	0.02	1.89	0.03
949	ST-MAI-1117	2	0	1	CIRCULAR	0.04271	RCP	0.53	0.01	0.85	0.02	1.36	0.03
950	ST-MAI-1118	2	0	1	CIRCULAR	0.05805	RCP	0.69	0.01	1.1	0.02	1.73	0.03
867	ST-MAI-112	3	0	1	CIRCULAR	0.01895	RCP	4.9	0.05	8.36	0.09	18.75	0.2
951	ST-MAI-1120	4	0	1	CIRCULAR	0.0126	CONC	63.83	0.4	86.94	0.54	87.13	0.54
254	ST-MAI-1121	2	0	1	CIRCULAR	0.05673	CONC	0.26	0	0.41	0.01	0.63	0.01
255	ST-MAI-1122	2	0	1	CIRCULAR	0.0063	CONC	2.73	0.15	4.44	0.25	7.09	0.39
256	ST-MAI-1123	2	0	1	CIRCULAR	0.00813	CONC	0.32	0.02	0.5	0.02	0.8	0.04
257	ST-MAI-1124	2	0	1	CIRCULAR	0.28118	CONC	0.31	0	0.5	0	0.8	0.01
258	ST-MAI-1125	2	0	1	CIRCULAR	0.0076	CONC	1.77	0.09	2.87	0.15	4.58	0.23
259	ST-MAI-1126	2	0	1	CIRCULAR	0.03135	CONC	2.04	0.05	3.29	0.08	5.34	0.13
426	ST-MAI-1127	2	0	1	CIRCULAR	0.0303	CONC	2.6	0.07	4.19	0.11	7.15	0.18
260	ST-MAI-1128	2	0	1	CIRCULAR	0.00764	CONC	2.19	0.11	3.59	0.18	5.78	0.29
261	ST-MAI-1129a	2	0	1	CIRCULAR	0.00547	CONC	6.39	0.38	10.54	0.63	16.96	1.01
427	ST-MAI-1129b	2	0	1	CIRCULAR	0.04885	CONC	6.35	0.13	10.47	0.21	16.89	0.34
868	ST-MAI-113	2	0	1	CIRCULAR	0.0155	RCP	1.12	0.04	1.87	0.07	3.12	0.11
262	ST-MAI-1130	4	0	1	CIRCULAR	0.05904	CONC	48	0.14	85.82	0.25	145.8	0.42
263	ST-MAI-1131	2	0	1	CIRCULAR	0.34511	CONC	10.53	0.08	17.56	0.13	29.54	0.22
264	ST-MAI-1132	2	0	1	CIRCULAR	0.00922	CONC	9.97	0.46	16.64	0.77	28.02	1.29
265	ST-MAI-1133	2	0	1	CIRCULAR	0.00574	CONC	8.3	0.48	14.05	0.82	23.57	1.37
266	ST-MAI-1134	1.5	0	1	CIRCULAR	0.11272	CONC	0.32	0.01	0.51	0.01	0.81	0.02
267	ST-MAI-1135	1.5	0	1	CIRCULAR	0.00499	CONC	1	0.14	1.66	0.22	2.82	0.38
268	ST-MAI-1136	1.5	0	1	CIRCULAR	0.00305	CONC	16.63	2.87	16.61	2.86	16.6	2.86
869	ST-MAI-114	4	0	1	CIRCULAR	0.00596	RCP	120.63	1.09	162.1	1.46	177.88	1.6
272	ST-MAI-1145	2	0	1	CIRCULAR	0.01884	CONC	0.4	0.01	0.63	0.02	1	0.03
273	ST-MAI-1146	2	0	1	CIRCULAR	0.03439	CONC	1.49	0.04	2.36	0.06	3.69	0.09
274	ST-MAI-1147	2	0	1	CIRCULAR	0.01155	CONC	1.97	0.08	3.12	0.13	4.91	0.2
275	ST-MAI-1148	2	0	1	CIRCULAR	0.00646	CONC	0.28	0.02	0.43	0.02	0.59	0.03
952	ST-MAI-1149	4	0	1	CIRCULAR	0.05241	CONC	43.09	0.13	54.1	0.16	61.48	0.19
953	ST-MAI-1150	2	0	1	CIRCULAR	0.06713	CONC	1.39	0.02	2.25	0.04	3.59	0.06
954	ST-MAI-1151	4	0	1	CIRCULAR	0.04016	CONC	43.11	0.15	54.1	0.19	61.48	0.21
955	ST-MAI-1152	2	0	1	CIRCULAR	0.27741	CONC	41.88	0.35	52.14	0.44	57.94	0.49
956	ST-MAI-1153	2	0	1	CIRCULAR	0.07911	CONC	1.14	0.02	1.75	0.03	2.69	0.04
957	ST-MAI-1154	2	0	1	CIRCULAR	0.02972	CONC	40.11	1.03	49.68	1.27	53.21	1.36
958	ST-MAI-1155	2	0	1	CIRCULAR	0.15393	CONC	0.48	0.01	0.75	0.01	1.15	0.01
959	ST-MAI-1156	2	0	1	CIRCULAR	0.08633	CONC	0.48	0.01	0.74	0.01	1.14	0.02
960	ST-MAI-1157	2	0	1	CIRCULAR	0.02973	CONC	40.15	1.03	49.68	1.27	53.2	1.36
961	ST-MAI-1158	2	0	1	CIRCULAR	0.01295	CONC	0.32	0.01	3.72	0.14	3.58	0.14
962	ST-MAI-1159	2	0	1	CIRCULAR	0.15413	CONC	3.41	0.04	5.79	0.07	9.61	0.11
963	ST-MAI-1160	2	0	1	CIRCULAR	0.03219	CONC	3.42	0.08	5.79	0.14	9.62	0.24
964	ST-MAI-1161	2	0	1	CIRCULAR	0.02973	CONC	36.19	0.93	45.47	1.17	46.62	1.2
965	ST-MAI-1162	2	0	1	CIRCULAR	0.02972	CONC	3.7	0.09	6.51	0.17	9.97	0.26
966	ST-MAI-1163	2.5	0	1	CIRCULAR	0.045	CONC	30.77	0.35	50.48	0.58	100.79	1.16
967	ST-MAI-1164	2.5	0	1	CIRCULAR	0.03859	CONC	1.66	0.02	2.8	0.03	4.63	0.06
968	ST-MAI-1167	2	0	1	CIRCULAR	0.00554	CONC	3.91	0.23	7.66	0.45	17.85	1.06
969	ST-MAI-1168	2	0	1	CIRCULAR	0.00355	CONC	3.9	0.29	7.65	0.57	17.84	1.32

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Proposed Condition Storm Drain Results Summary Table

Conveyance Info		Dimensions						2-year		10-year		100-year	
Facility ID	Name	D' or H' (diameter) or (height)	B' (width)	Barrels	Shape	Slope (ft/ft)	Material	Q_{con} (2-year) (cfs)	Qcon vs Qcap3	Q_{con} (10-year) (cfs)	Qcon vs Qcap32	Q_{con} (100-year) (cfs)	Qcon vs Qcap7
970	ST-MAI-1169	1	0	1	CIRCULAR	0.00272	CONC	4.03	2.17	6.57	3.53	12.15	6.53
1018	ST-MAI-117	1	0	1	CIRCULAR	0.02845	HDPE	1.34	0.22	2.3	0.38	3.76	0.63
971	ST-MAI-1170	2	0	1	CIRCULAR	0.00117	CONC	4.31	0.56	6.73	0.87	11.09	1.43
972	ST-MAI-1171	2	0	1	CIRCULAR	0.00117	CONC	4.56	0.59	6.87	0.89	10.14	1.31
973	ST-MAI-1172	2	0	1	CIRCULAR	0.0333	CONC	9.28	0.22	15.67	0.38	25.78	0.62
974	ST-MAI-1173	2	0	1	CIRCULAR	0.00117	CONC	12.77	1.65	15.07	1.94	16.85	2.17
975	ST-MAI-1174	2.5	0	1	CIRCULAR	0.00117	CONC	21.43	1.53	31.33	2.23	46.34	3.3
976	ST-MAI-1175	2.5	0	1	CIRCULAR	0.22562	CONC	8.79	0.05	15.65	0.08	26.46	0.14
977	ST-MAI-1176	2.5	0	1	CIRCULAR	0.00514	CONC	6	0.2	10.68	0.36	17.89	0.61
978	ST-MAI-1177	2.5	0	1	CIRCULAR	0.00118	CONC	22.33	1.59	33.1	2.35	49.16	3.49
979	ST-MAI-1178	2.5	0	1	CIRCULAR	0.00118	CONC	22.48	1.6	33.39	2.37	49.64	3.53
980	ST-MAI-1179	2.5	0	1	CIRCULAR	0.00117	CONC	23.37	1.67	32.77	2.33	48.2	3.43
1019	ST-MAI-118	1.5	0	1	CIRCULAR	0.03128	RCP	4.5	0.24	7.4	0.4	10.69	0.58
981	ST-MAI-1180	2.5	0	1	CIRCULAR	0.00118	CONC	27.31	1.94	37.22	2.65	51.35	3.65
982	ST-MAI-1181	4.5	0	1	CIRCULAR	0.00118	CONC	155.04	2.3	226.08	3.35	336.89	4.99
983	ST-MAI-1182	4.5	0	1	CIRCULAR	0.00117	CONC	178.42	2.65	243.4	3.62	339.37	5.04
984	ST-MAI-1184	2	0	1	CIRCULAR	0.01145	CONC	0.56	0.02	0.91	0.04	1.46	0.06
985	ST-MAI-1185	2	0	1	CIRCULAR	0.01325	CONC	0.66	0.03	1.08	0.04	1.72	0.07
986	ST-MAI-1186	2	0	1	CIRCULAR	0.16198	CONC	0.81	0.01	1.31	0.01	2.1	0.02
987	ST-MAI-1187	2	0	1	CIRCULAR	0.0143	CONC	0.48	0.02	0.77	0.03	1.23	0.05
988	ST-MAI-1188	2	0	1	CIRCULAR	0.00604	CONC	0.52	0.03	0.84	0.05	1.33	0.08
1020	ST-MAI-119	1.5	0	1	CIRCULAR	0.27246	RCP	0.05	0	0.1	0	0.19	0
787	ST-MAI-1190	2.5	0	1	CIRCULAR	0.08137	RCP	2.48	0.02	4.64	0.04	7.73	0.07
276	ST-MAI-1191	2.5	0	1	CIRCULAR	0.14974	CONC	16.74	0.11	30.43	0.19	55	0.35
1152	ST-MAI-1192	2	0	1	CIRCULAR	0.0177	RCP	13.52	0.45	23.67	0.79	42.31	1.41
550	ST-MAI-1197	4	0	1	CIRCULAR	0.03075	CONC	0	0	0	0	10.75	0.04
788	ST-MAI-1199	2	0	1	CIRCULAR	0.04315	RCP	11.01	0.23	19.41	0.41	33.02	0.7
558	ST-MAI-12	2	0	1	CIRCULAR	0.11215	RCP	19.48	0.26	34.82	0.46	61.67	0.81
29	ST-MAI-120	6	0	1	CIRCULAR	0.00902	RCP	103.69	0.26	203.71	0.51	272.5	0.68
278	ST-MAI-1202	4	0	1	CIRCULAR	0.01009	RCP	60.46	0.42	101.98	0.71	172.68	1.2
789	ST-MAI-1206	2	0	1	CIRCULAR	0.01528	RCP	12.94	0.46	22.72	0.81	38.53	1.38
790	ST-MAI-1207	2	0	1	CIRCULAR	0.36589	RCP	12.95	0.09	22.74	0.17	38.56	0.28
791	ST-MAI-1208	2	0	1	CIRCULAR	0.31957	RCP	12.95	0.1	22.73	0.18	38.56	0.3
792	ST-MAI-1209	3	0	1	CIRCULAR	0.00616	RCP	12.91	0.25	22.68	0.43	38.5	0.74
30	ST-MAI-121	2	0	1	CIRCULAR	0.00941	CONC	3.18	0.14	5.23	0.24	8.48	0.39
793	ST-MAI-1210	3	0	1	CIRCULAR	0.26871	RCP	12.9	0.04	22.67	0.07	38.5	0.11
794	ST-MAI-1211	3	0	1	CIRCULAR	0.00918	RCP	20.06	0.31	36.47	0.57	39.38	0.62
279	ST-MAI-1214	3	0	1	CIRCULAR	0.01035	CONC	24.74	0.36	41.75	0.62	69.2	1.02
280	ST-MAI-1215	3	0	1	CIRCULAR	0.03263	RCP	50.65	0.42	85.47	0.71	140.82	1.17
281	ST-MAI-1216	2.5	0	1	CIRCULAR	0.14147	RCP	50.7	0.33	85.5	0.55	144.55	0.94
282	ST-MAI-1217	2.5	0	1	CIRCULAR	0.04496	RCP	48.3	0.56	81.54	0.94	142.27	1.64
283	ST-MAI-1219	1.5	0	1	CIRCULAR	0.06107	RCP	0.62	0.02	0.98	0.04	6.49	0.25
284	ST-MAI-1220	1.5	0	1	CIRCULAR	0.02665	RCP	3.35	0.2	5.76	0.34	10.11	0.59
285	ST-MAI-1221	2	0	1	CIRCULAR	0.00693	RCP	1.58	0.08	2.66	0.14	4.35	0.23
286	ST-MAI-1222	1.5	0	1	CIRCULAR	0.00944	RCP	9.81	0.96	17.64	1.73	30.73	3.01
287	ST-MAI-1223	1.5	0	1	CIRCULAR	0.033	RCP	2.21	0.12	3.9	0.2	12.56	0.66
288	ST-MAI-1224	1.5	0	1	CIRCULAR	0.04284	RCP	3.1	0.14	5.45	0.25	12.11	0.56
289	ST-MAI-1225	1.5	0	1	CIRCULAR	0.06509	RCP	9.82	0.37	17.65	0.66	30.71	1.15
290	ST-MAI-1226	1.5	0	1	CIRCULAR	0.0756	RCP	0.62	0.02	0.98	0.03	3.31	0.11
291	ST-MAI-1227	1.5	0	1	CIRCULAR	0.01109	RCP	0.75	0.07	1.22	0.11	8.56	0.77
292	ST-MAI-1228	1.5	0	1	CIRCULAR	0.01744	RCP	5.06	0.36	8.73	0.63	18.95	1.37
293	ST-MAI-1229	1.5	0	1	CIRCULAR	0.0543	RCP	4.91	0.2	8.85	0.36	15.42	0.63
294	ST-MAI-1230	1.5	0	1	CIRCULAR	0.05521	RCP	1.63	0.07	2.6	0.11	5.85	0.24
295	ST-MAI-1231	2	0	1	CIRCULAR	0.05533	RCP	24.63	0.46	42.06	0.79	71.93	1.35
296	ST-MAI-1232	1.5	0	1	CIRCULAR	0.03164	RCP	2.23	0.12	3.92	0.21	9.44	0.51
297	ST-MAI-1233	2	0	1	CIRCULAR	0.07428	RCP	9.69	0.16	16.36	0.27	26.85	0.44
298	ST-MAI-1234	2.5	0	1	CIRCULAR	0.03291	RCP	46.6	0.63	78.76	1.06	137.24	1.84
299	ST-MAI-1235	1.5	0	1	CIRCULAR	0.06934	RCP	1.37	0.05	2.19	0.08	4.98	0.18
300	ST-MAI-1236	1.5	0	1	CIRCULAR	0.16109	RCP	1.4	0.03	2.38	0.06	4.42	0.1
301	ST-MAI-1237	1.5	0	1	CIRCULAR	0.08181	RCP	9.1	0.3	15.85	0.53	26.82	0.89
302	ST-MAI-1238	1.5	0	1	CIRCULAR	0.34974	RCP	12.29	0.2	21.76	0.35	37.44	0.6
303	ST-MAI-1239	1.5	0	1	CIRCULAR	0.05659	RCP	3.1	0.12	5.45	0.22	12.35	0.49
304	ST-MAI-1240	1.5	0	1	CIRCULAR	0.08591	RCP	2.24	0.07	3.93	0.13	8.55	0.28
305	ST-MAI-1241	1.5	0	1	CIRCULAR	0.03075	RCP	2.21	0.12	3.9	0.21	12.61	0.68
306	ST-MAI-1242	2.5	0	1	CIRCULAR	0.01501	RCP	37.03	0.74	63.15	1.26	109.17	2.17
307	ST-MAI-1243	2.5	0	1	CIRCULAR	0.02163	RCP	37.58	0.62	63.89	1.06	110.7	1.83
308	ST-MAI-1244	1.5	0	1	CIRCULAR	0.0869	RCP	4.98	0.16	8.82	0.28	15.11	0.49
309	ST-MAI-1245	1.5	0	1	CIRCULAR	0.01913	RCP	4.93	0.34	8.82	0.61	15.44	1.06
310	ST-MAI-1246	1.5	0	1	CIRCULAR	0.0049	RCP	2.75	0.37	4.94	0.67	7.88	1.07
311	ST-MAI-1247	2	0	1	CIRCULAR	0.04397	RCP	12.98	0.27	22.1	0.47	41.13	0.87

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Proposed Condition Storm Drain Results Summary Table

Conveyance Info		Dimensions						2-year		10-year		100-year	
Facility ID	Name	D' or H' (diameter) or (height)	B' (width)	Barrels	Shape	Slope (ft/ft)	Material	Q_{con} (2-year) (cfs)	Qcon vs Qcap3	Q_{con} (10-year) (cfs)	Qcon vs Qcap32	Q_{con} (100-year) (cfs)	Qcon vs Qcap7
312	ST-MAI-1248	1.5	0	1	CIRCULAR	0.07376	RCP	4.18	0.15	7.14	0.25	12.55	0.44
313	ST-MAI-1249	1.5	0	1	CIRCULAR	0.02315	RCP	2.22	0.14	3.91	0.24	11.22	0.7
314	ST-MAI-1250	1.5	0	1	CIRCULAR	0.03348	RCP	2.21	0.11	3.9	0.2	12.27	0.64
315	ST-MAI-1251	2	0	1	CIRCULAR	0.05196	RCP	24.63	0.48	41.83	0.81	71.83	1.39
316	ST-MAI-1252	2	0	1	CIRCULAR	0.05642	RCP	11.45	0.21	19.59	0.36	33.73	0.63
317	ST-MAI-1253	1.5	0	1	CIRCULAR	0.47787	RCP	1.18	0.02	1.88	0.03	4.71	0.06
325	ST-MAI-1261	2	0	1	CIRCULAR	0.127	RCP	1.28	0.02	2.04	0.03	3.25	0.04
326	ST-MAI-1262	2.5	0	1	CIRCULAR	0.02463	RCP	25.76	0.4	34.08	0.53	49.83	0.77
327	ST-MAI-1263	2.5	0	1	CIRCULAR	0.00989	RCP	25.79	0.63	34.12	0.84	53.84	1.32
328	ST-MAI-1264	2.5	0	1	CIRCULAR	0.03491	RCP	25.66	0.33	33.95	0.44	49.7	0.65
329	ST-MAI-1265	1.5	0	1	CIRCULAR	0.01894	RCP	1.97	0.14	3.55	0.25	6.21	0.43
331	ST-MAI-1267	1.5	0	1	CIRCULAR	0.01969	RCP	2.42	0.16	4.26	0.29	7.31	0.5
332	ST-MAI-1268	1.5	0	1	CIRCULAR	0.24242	RCP	4.25	0.08	7.89	0.15	13.63	0.26
333	ST-MAI-1269	1.5	0	1	CIRCULAR	0.02704	RCP	4.07	0.24	7.61	0.44	13.2	0.76
334	ST-MAI-1270	1.5	0	1	CIRCULAR	0.0339	RCP	0.78	0.04	1.21	0.06	1.87	0.1
335	ST-MAI-1271	1.5	0	1	CIRCULAR	0.15238	RCP	3.4	0.08	6.32	0.15	10.85	0.26
336	ST-MAI-1272	1.5	0	1	CIRCULAR	0.01441	RCP	0.6	0.05	0.92	0.07	1.41	0.11
337	ST-MAI-1273	1.5	0	1	CIRCULAR	0.01153	RCP	19.33	1.71	19.77	1.75	19.74	1.75
338	ST-MAI-1274	1.5	0	1	CIRCULAR	0.06287	RCP	0.3	0.01	0.47	0.02	0.76	0.03
340	ST-MAI-1276	1.5	0	1	CIRCULAR	0.02156	RCP	19.7	1.28	20.02	1.3	20.82	1.35
341	ST-MAI-1277	1.5	0	1	CIRCULAR	0.00485	RCP	2.39	0.33	4.22	0.58	7.24	0.99
342	ST-MAI-1278	1.5	0	1	CIRCULAR	0.02279	RCP	2.28	0.14	4.03	0.25	6.96	0.44
343	ST-MAI-1279	1.5	0	1	CIRCULAR	0.16671	RCP	4.11	0.1	7.67	0.18	13.3	0.31
344	ST-MAI-1280	1.5	0	1	CIRCULAR	0.02839	RCP	2.15	0.12	3.83	0.22	6.65	0.38
345	ST-MAI-1281	1.5	0	1	CIRCULAR	0.01689	RCP	20.21	1.48	22	1.61	42.62	3.12
348	ST-MAI-1284	1.5	0	1	CIRCULAR	0.0145	RCP	15.25	1.21	16.99	1.34	16.84	1.33
349	ST-MAI-1285	2	0	1	CIRCULAR	0.00792	RCP	1.3	0.06	2.65	0.13	5.98	0.3
350	ST-MAI-1286	1.5	0	1	CIRCULAR	0.00825	RCP	7.66	0.8	11.51	1.21	13.78	1.44
351	ST-MAI-1287	1.5	0	1	CIRCULAR	0.0085	RCP	10.05	1.04	11.29	1.17	11.23	1.16
352	ST-MAI-1288	1.5	0	1	CIRCULAR	0.023	RCP	2.6	0.16	5.65	0.35	7.25	0.45
353	ST-MAI-1289	1.5	0	1	CIRCULAR	0.00889	RCP	4.36	0.44	9.3	0.94	12.77	1.29
354	ST-MAI-1290	1.5	0	1	CIRCULAR	0.04459	RCP	4.78	0.22	8.19	0.37	13.79	0.62
355	ST-MAI-1291	1.5	0	1	CIRCULAR	0.0321	RCP	1.73	0.09	2.98	0.16	4.92	0.26
356	ST-MAI-1292	1.5	0	1	CIRCULAR	0.03202	RCP	1.1	0.06	1.89	0.1	3.92	0.21
357	ST-MAI-1293	1.5	0	1	CIRCULAR	0.02974	RCP	2.8	0.15	4.81	0.27	8.11	0.45
358	ST-MAI-1294	1.5	0	1	CIRCULAR	0.13965	RCP	0.53	0.01	1.99	0.05	1.39	0.04
359	ST-MAI-1295	1.5	0	1	CIRCULAR	0.02338	RCP	0.62	0.04	1.09	0.07	1.69	0.11
360	ST-MAI-1296	1.5	0	1	CIRCULAR	0.06495	RCP	2.84	0.11	4.54	0.17	7.77	0.29
361	ST-MAI-1297	1.5	0	1	CIRCULAR	0.11492	RCP	0.7	0.02	1.51	0.04	2.97	0.08
362	ST-MAI-1298	1.5	0	1	CIRCULAR	0.05558	RCP	21.09	0.85	24.41	0.99	28.06	1.13
363	ST-MAI-1299	1.5	0	1	CIRCULAR	0.03617	RCP	3.29	0.16	6.34	0.32	9.71	0.49
559	ST-MAI-13	6	0	1	CIRCULAR	0.00788	RCP	180.98	0.48	312.42	0.83	354.49	0.94
821	ST-MAI-130	1	0	1	CIRCULAR	0.12586	RCP	0.64	0.05	1.06	0.08	1.7	0.13
364	ST-MAI-1300	1.5	0	1	CIRCULAR	0.01289	RCP	13.02	1.09	14.92	1.25	14.92	1.25
365	ST-MAI-1301	1.5	0	1	CIRCULAR	0.01166	RCP	11.85	1.04	13.91	1.23	14.01	1.24
366	ST-MAI-1302	1.5	0	1	CIRCULAR	0.04832	RCP	1.11	0.05	2.16	0.09	3.2	0.14
367	ST-MAI-1303	1.5	0	1	CIRCULAR	0.02709	RCP	3.29	0.19	6.1	0.35	10.51	0.61
368	ST-MAI-1304	1.5	0	1	CIRCULAR	0.08051	RCP	4.39	0.15	7.99	0.27	13.71	0.46
369	ST-MAI-1305	1.5	0	1	CIRCULAR	0.22803	RCP	0.56	0.01	0.95	0.02	1.48	0.03
370	ST-MAI-1306	1.5	0	1	CIRCULAR	0.00923	RCP	9.24	0.92	11.71	1.16	11.58	1.15
371	ST-MAI-1307	1.5	0	1	CIRCULAR	0.12857	RCP	0.99	0.03	1.83	0.05	2.82	0.07
372	ST-MAI-1308	1.5	0	1	CIRCULAR	0.07572	RCP	0.99	0.03	1.81	0.06	2.81	0.1
373	ST-MAI-1309	1.5	0	1	CIRCULAR	0.15911	RCP	1.37	0.03	2.27	0.05	3.59	0.09
31	ST-MAI-131	2.5	0	1	CIRCULAR	0.11242	CONC	3.79	0.03	9.88	0.07	20.88	0.15
374	ST-MAI-1310	1.5	0	1	CIRCULAR	0.0122	RCP	12.41	1.07	14.31	1.23	14.43	1.24
375	ST-MAI-1311	1.5	0	1	CIRCULAR	0.16693	RCP	4.86	0.11	8	0.19	13.45	0.31
32	ST-MAI-132	2.5	0	1	CIRCULAR	0.0872	CONC	6.84	0.06	13.16	0.11	22.5	0.19
391	ST-MAI-1327	1.5	0	1	CIRCULAR	0.37845	RCP	0	0	0	0	0	0
392	ST-MAI-1328	2.5	0	1	CIRCULAR	0.16515	RCP	25.61	0.15	33.88	0.2	49.64	0.3
393	ST-MAI-1329	1.5	0	1	CIRCULAR	0.50056	RCP	0.16	0	0.24	0	0.38	0.01
394	ST-MAI-1330	2.75	0	1	CIRCULAR	0.05563	RCP	23.12	0.19	30.17	0.24	52.63	0.42
395	ST-MAI-1331	2	0	1	CIRCULAR	0.09183	RCP	0.8	0.01	2.29	0.03	5.37	0.08
406	ST-MAI-1342	2	0	1	CIRCULAR	0.25686	CMP	0.72	0.01	2.44	0.04	6.14	0.1
407	ST-MAI-1343	2	0	1	CIRCULAR	0.30285	CMP	1.36	0.02	4.44	0.07	10.43	0.15
408	ST-MAI-1344	2	0	1	CIRCULAR	0.19298	CMP	0.7	0.01	2.37	0.04	5.99	0.11
409	ST-MAI-1345	2	0	1	CIRCULAR	0.36985	CMP	1.96	0.03	6.04	0.08	13.85	0.19
410	ST-MAI-1346	2	0	1	CIRCULAR	0.19881	CMP	0.19	0	0.63	0.01	1.46	0.03
411	ST-MAI-1347	2	0	1	CIRCULAR	0.26796	CMP	0.65	0.01	2.11	0.03	4.67	0.07
412	ST-MAI-1348	2	0	1	CIRCULAR	0.35953	CMP	2.8	0.04	9.61	0.13	23.62	0.32
413	ST-MAI-1349	2	0	1	CIRCULAR	0.30978	CMP	1.13	0.02	3.46	0.05	7.12	0.1

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Conveyance Info		Dimensions						2-year		10-year		100-year	
Facility ID	Name	D' or H' (diameter) or (height)	B' (width)	Barrels	Shape	Slope (ft/ft)	Material	Q_{con} (2-year) (cfs)	Qcon vs Qcap3	Q_{con} (10-year) (cfs)	Qcon vs Qcap32	Q_{con} (100-year) (cfs)	Qcon vs Qcap7
775	ST-MAI-135	6	0	1	CIRCULAR	0.00414	RCP	184.62	0.68	339.04	1.24	457.19	1.68
417	ST-MAI-1353	2	0	1	CIRCULAR	0.29986	CMP	1.51	0.02	5.21	0.08	13.29	0.2
418	ST-MAI-1355	2	0	1	CIRCULAR	0.03612	RCP	33.78	0.79	61.45	1.43	106.22	2.47
419	ST-MAI-1356	2	0	1	CIRCULAR	0.02814	RCP	22.18	0.58	39.8	1.05	68.26	1.8
420	ST-MAI-1357	2	0	1	CIRCULAR	0.02642	RCP	32.67	0.89	59.32	1.61	102.91	2.8
421	ST-MAI-1358	1.5	0	1	CIRCULAR	0.00984	RCP	3.47	0.33	6.21	0.6	10.5	1.01
422	ST-MAI-1359	1.5	0	1	CIRCULAR	0.04388	RCP	4.63	0.21	8.21	0.37	13.85	0.63
33	ST-MAI-136	6	0	1	CIRCULAR	0.0059	RCP	103.3	0.32	201.71	0.62	272.3	0.84
423	ST-MAI-1360	2	0	1	CIRCULAR	0.02862	RCP	7.6	0.2	13.61	0.36	23.04	0.6
424	ST-MAI-1361	4	0	1	CIRCULAR	0.00466	RCP	39.15	0.4	70.89	0.72	122.16	1.25
425	ST-MAI-1362	1.5	0	1	CIRCULAR	0.02792	RCP	0	0	0	0	0	0
431	ST-MAI-1364	1.5	0	1	CIRCULAR	0.02613	RCP	3.07	0.18	5.38	0.32	8.82	0.52
432	ST-MAI-1365	2	0	1	CIRCULAR	0.23975	CONC	21.4	0.19	37.08	0.33	62.35	0.56
433	ST-MAI-1366	2	0	1	CIRCULAR	0.01058	CONC	3.84	0.16	6.61	0.28	10.41	0.45
434	ST-MAI-1367	2.5	0	1	CIRCULAR	0.01739	CONC	25.34	0.47	43.83	0.81	69.15	1.28
435	ST-MAI-1368	2	0	1	CIRCULAR	0.15624	CONC	8.83	0.1	15.14	0.17	25.75	0.29
436	ST-MAI-1369	2	0	1	CIRCULAR	0.0284	CONC	1.24	0.03	2.15	0.06	3.47	0.09
437	ST-MAI-1370	2	0	1	CIRCULAR	0.09169	RCP	8.94	0.13	15.32	0.22	26.35	0.38
438	ST-MAI-1371	2	0	1	CIRCULAR	0.01802	RCP	1.67	0.06	2.89	0.1	35.01	1.15
439	ST-MAI-1372	2.5	0	1	CIRCULAR	0.03052	RCP	35.41	0.49	61.2	0.85	77.61	1.08
440	ST-MAI-1373	4	0	1	CIRCULAR	0.00253	RCP	38.75	0.54	67.13	0.93	99.02	1.37
452	ST-MAI-1385	1.5	0	1	CIRCULAR	0.01602	CONC	13.07	0.98	16.33	1.23	15.4	1.16
453	ST-MAI-1386	1.5	0	1	CIRCULAR	0.04258	CONC	17.16	0.79	23.12	1.07	27.68	1.28
454	ST-MAI-1387	1.5	0	1	CIRCULAR	0.00445	CONC	10.89	1.55	21.26	3.03	20.16	2.88
455	ST-MAI-1388	1.5	0	1	CIRCULAR	0.05136	RCP	4.01	0.17	6.46	0.27	10.18	0.43
456	ST-MAI-1389	2.5	0	1	CIRCULAR	0.08958	RCP	31.24	0.25	49.1	0.4	74.27	0.6
584	ST-MAI-139	2.5	0	1	CIRCULAR	0.04171	RCP	19.12	0.23	35.68	0.43	62.92	0.75
457	ST-MAI-1390	1.5	0	1	CIRCULAR	0.7111	RCP	22.14	0.25	35.66	0.4	55.45	0.63
458	ST-MAI-1391	1.5	0	1	CIRCULAR	0.02932	RCP	1.3	0.07	2.11	0.12	3.41	0.19
459	ST-MAI-1392	1.5	0	1	CIRCULAR	0.0089	RCP	0.6	0.06	0.96	0.1	1.53	0.15
460	ST-MAI-1393	1.5	0	1	CIRCULAR	0.11704	RCP	3.55	0.1	5.98	0.17	9.64	0.27
461	ST-MAI-1394	1.5	0	1	CIRCULAR	0.0505	RCP	19.62	0.83	31.22	1.32	43.22	1.83
462	ST-MAI-1395	1.5	0	1	CIRCULAR	0.03914	RCP	6.25	0.3	21.95	1.06	23.31	1.12
463	ST-MAI-1396	2.5	0	1	CIRCULAR	0.03719	RCP	17.08	0.22	22.92	0.29	27.23	0.34
464	ST-MAI-1397	2.5	0	1	CIRCULAR	0.07908	RCP	31.3	0.27	49.18	0.43	74.35	0.64
465	ST-MAI-1398	1.75	0	1	CIRCULAR	0.01023	RCP	10.03	0.63	15.48	0.97	21.28	1.33
466	ST-MAI-1399	1.75	0	1	CIRCULAR	0.04099	RCP	5.85	0.18	11.91	0.37	32.7	1.02
560	ST-MAI-14	4.5	0	1	CIRCULAR	0.01555	RCP	224.32	0.91	261.46	1.07	268.45	1.09
1132	ST-MAI-140	2.5	0	1	CIRCULAR	0.01245	RCP	22.08	0.48	40.18	0.88	61.12	1.34
467	ST-MAI-1400	2.25	0	1	CIRCULAR	0.02797	CONC	2.63	0.05	4.5	0.09	7.27	0.14
468	ST-MAI-1401	1.5	0	1	CIRCULAR	0.04374	RCP	13.92	0.63	25.14	1.14	35.69	1.62
469	ST-MAI-1402	1.5	0	1	CIRCULAR	0.15811	RCP	16.94	0.41	29.29	0.7	46.13	1.1
470	ST-MAI-1404	2	0	1	CIRCULAR	0.02608	RCP	13.85	0.38	24.83	0.68	43.81	1.2
471	ST-MAI-1405	2	0	1	CIRCULAR	0.0138	RCP	13.85	0.52	24.86	0.94	43.81	1.65
472	ST-MAI-1406	1.5	0	1	CIRCULAR	0.16319	RCP	0.25	0.01	0.41	0.01	0.66	0.02
476	ST-MAI-1415	2	0	1	CIRCULAR	0.01622	RCP	2.42	0.08	3.82	0.13	4.88	0.17
795	ST-MAI-1416	1.5	0	1	CIRCULAR	0.0333	RCP	5.07	0.26	8.77	0.46	14.86	0.78
796	ST-MAI-1418	2	0	1	CIRCULAR	0.2531	HDPE	0	0	0	0	0	0
991	ST-MAI-1420	2.5	0	1	CIRCULAR	0.02991	RCP	1.25	0.02	2.32	0.03	4.14	0.06
992	ST-MAI-1421	2.5	0	1	CIRCULAR	0.03346	RCP	28.72	0.38	47.47	0.63	94.99	1.27
477	ST-MAI-1425	2	0	1	CIRCULAR	0.15358	RCP	0	0	0	0	0	0
478	ST-MAI-1426	2	0	1	CIRCULAR	0.07147	RCP	0	0	0	0	0	0
34	ST-MAI-142a	3.5	5.5	1	CIRCULAR	0.00541	RCP	92.62	1.25	110.25	1.49	112.74	1.52
474	ST-MAI-142b	3.5	5.5	1	CIRCULAR	0.00895	RCP	92.62	0.97	110.25	1.16	112.74	1.18
798	ST-MAI-1430	2	0	1	CIRCULAR	0.02458	RCP	0	0	0	0	0	0
799	ST-MAI-1432	2	0	1	CIRCULAR	0.05404	RCP	0.54	0.01	0.96	0.02	1.6	0.03
800	ST-MAI-1433	2	0	1	CIRCULAR	0.05318	RCP	0.53	0.01	0.95	0.02	1.59	0.03
801	ST-MAI-1434	2	0	1	CIRCULAR	0.00612	RCP	5.93	0.33	5.25	0.3	17.82	1.01
802	ST-MAI-1435	1.5	0	1	CIRCULAR	0.0664	RCP	0.76	0.03	2.05	0.08	26.18	0.97
803	ST-MAI-1436	2	0	1	CIRCULAR	0.02	RCP	0	0	0	0	0	0
804	ST-MAI-1437	2	0	1	CIRCULAR	0.0095	RCP	0	0	0	0	0	0
805	ST-MAI-1438	2	0	1	CIRCULAR	0.01855	RCP	0	0	0	0	0	0
806	ST-MAI-1439	2	0	1	CIRCULAR	0.00971	RCP	4.34	0.19	7.61	0.34	12.88	0.58
35	ST-MAI-144	2	0	1	CIRCULAR	0.08472	SP	15.35	0.43	27.4	0.77	37.84	1.06
807	ST-MAI-1440	2	0	1	CIRCULAR	0.00958	RCP	4.33	0.2	7.61	0.34	12.87	0.58
808	ST-MAI-1441	2	0	1	CIRCULAR	0.02473	RCP	4.33	0.12	7.6	0.21	12.7	0.36
809	ST-MAI-1442	2	0	1	CIRCULAR	0.00383	RCP	7.84	0.56	13.88	0.99	23.19	1.66
810	ST-MAI-1444	2	0	1	CIRCULAR	0.03044	RCP	0	0	0	0	0	0
811	ST-MAI-1445	2	0	1	CIRCULAR	0.06465	RCP	0	0	0	0	0	0
812	ST-MAI-1446	1.5	0	1	CIRCULAR	0.04035	RCP	0	0	0	0	0	0

Proposed Condition Storm Drain Results Summary Table

Conveyance Info		Dimensions						2-year		10-year		100-year	
Facility ID	Name	D' or H' (diameter) or (height)	B' (width)	Barrels	Shape	Slope (ft/ft)	Material	Q_{con} (2-year) (cfs)	Qcon vs Qcap3	Q_{con} (10-year) (cfs)	Qcon vs Qcap32	Q_{con} (100-year) (cfs)	Qcon vs Qcap7
813	ST-MAI-1447	1.5	0	1	CIRCULAR	0.04249	RCP	0	0	0	0	0	0
479	ST-MAI-1452	6	0	1	CIRCULAR	0.00279	RCP	22.51	0.1	106.97	0.48	259.12	1.16
1153	ST-MAI-1453	3	0	1	CIRCULAR	0.08941	RCP	10.29	0.05	19.78	0.1	33.5	0.17
1154	ST-MAI-1454	3	0	1	CIRCULAR	0.0074	RCP	10.33	0.18	19.25	0.34	33.55	0.58
36	ST-MAI-155	4	0	1	CIRCULAR	0.02767	RCP	35.44	0.15	54.6	0.23	77.82	0.33
37	ST-MAI-156	4	0	1	CIRCULAR	0.02594	RCP	36.23	0.16	53.77	0.23	81.02	0.35
38	ST-MAI-157	1.5	0	1	CIRCULAR	0.03249	RCP	7.39	0.39	12.25	0.65	20.21	1.07
39	ST-MAI-158	4	0	1	CIRCULAR	0.2143	RCP	1.02	0	1.65	0	2.62	0
0	ST-MAI-15a	2.5	0	1	CIRCULAR	0.00377	CONC	15.43	0.61	27.5	1.09	41.74	1.66
473	ST-MAI-15b	2.5	0	1	CIRCULAR	0.00524	CONC	15.39	0.52	27.42	0.92	43.06	1.45
561	ST-MAI-16	7	0	1	CIRCULAR	0.01283	RCP	412.83	0.57	650.54	0.9	681.66	0.94
40	ST-MAI-165	4.75	0	1	CIRCULAR	0.00246	RCP	7.24	0.06	30.81	0.27	55.62	0.49
41	ST-MAI-166	1	0	1	CIRCULAR	0.03745	ABS	0.77	0.11	1.26	0.18	1.84	0.27
42	ST-MAI-167	1	0	1	CIRCULAR	0.06325	ABS	0.67	0.07	1.06	0.12	1.67	0.19
43	ST-MAI-168	1	0	1	CIRCULAR	0.07322	RCP	3.43	0.36	5.36	0.56	7.8	0.81
44	ST-MAI-169	1	0	1	CIRCULAR	0.04763	ABS	2.1	0.27	3.44	0.44	5.45	0.7
562	ST-MAI-17	1.5	0	1	CIRCULAR	0.0246	RCP	5.91	0.36	10.62	0.64	17.76	1.08
858	ST-MAI-18	1	0	1	CIRCULAR	0.0277	ABS	5.66	0.95	6.3	1.06	6.32	1.07
46	ST-MAI-182	2	0	1	CIRCULAR	0.05628	HDPE	3.1	0.06	5.39	0.1	8.05	0.15
47	ST-MAI-183	6.5	0	1	CIRCULAR	0.00964	RCP	330.59	0.64	510.01	0.99	550.88	1.07
48	ST-MAI-184	5.5	4.7	1	CIRCULAR	0.00554	RCP	191.53	0.77	293.9	1.18	308.58	1.23
49	ST-MAI-185	3	5.5	1	CIRCULAR	0.01271	RCP	50.82	0.68	60.82	0.81	59.65	0.79
50	ST-MAI-186	5.5	0	1	CIRCULAR	0.00637	RCP	216.48	0.81	350.81	1.31	355.25	1.32
51	ST-MAI-187	3	0	1	CIRCULAR	0.02425	CONC	9.08	0.09	15.03	0.14	24.94	0.24
1021	ST-MAI-190	2	0	1	CIRCULAR	0.2784	RCP	0.72	0.01	1.27	0.01	2.1	0.02
585	ST-MAI-192	1.5	0	1	CIRCULAR	0.03165	RCP	2.15	0.12	3.85	0.21	6.51	0.35
52	ST-MAI-194	1.5	0	1	CIRCULAR	0.14235	RCP	1.79	0.05	3.15	0.08	5.15	0.13
53	ST-MAI-196	1	0	1	CIRCULAR	0.02113	ABS	0.92	0.18	1.53	0.3	2.51	0.49
586	ST-MAI-197	1	0	1	CIRCULAR	0.08778	RCP	1.86	0.18	3.35	0.32	5.63	0.53
1022	ST-MAI-198	1.5	0	1	CIRCULAR	0.02043	SP	0.26	0.03	0.46	0.06	0.74	0.09
814	ST-MAI-19b	6	0	1	CIRCULAR	0.07526	RCP	0	0	0	0	8.6	0.01
429	ST-MAI-2	4	8	1	RECT_CLOSED	0.02111	RCB	237.43	0.37	270.27	0.42	591.28	0.92
563	ST-MAI-20	1.5	0	1	CIRCULAR	0.19522	RCP	6.39	0.14	11.52	0.25	20.14	0.43
587	ST-MAI-200	1.5	0	1	CIRCULAR	0.03309	ABS	17.58	0.92	21.51	1.13	21.51	1.13
588	ST-MAI-201	2	0	1	CIRCULAR	0.03023	ABS	10.7	0.27	19.16	0.49	33.51	0.85
517	ST-MAI-203	1	0	1	CIRCULAR	0.01262	RCP	0.32	0.08	0.57	0.14	0.88	0.22
518	ST-MAI-204	1	0	1	CIRCULAR	0.0057	RCP	0.05	0.02	0.11	0.04	0.31	0.11
589	ST-MAI-206	1.5	0	1	CIRCULAR	0.13779	RCP	5.7	0.15	10.34	0.27	17.84	0.46
54	ST-MAI-209	3.5	0	1	CIRCULAR	0.03992	RCP	53.15	0.26	152.01	0.76	159.68	0.79
564	ST-MAI-21	6	0	1	CIRCULAR	0.0133	RCP	122.04	0.25	246.7	0.51	342.02	0.7
55	ST-MAI-210	5	0	1	CIRCULAR	0.00365	RCP	118.66	0.75	174.51	1.11	171.83	1.09
56	ST-MAI-211	8	0	1	CIRCULAR	0.00391	RCP	259.47	0.45	462.42	0.81	654.99	1.15
57	ST-MAI-212	8	0	1	CIRCULAR	0.00341	RCP	248.43	0.47	441.89	0.83	612.19	1.15
209	ST-MAI-213	6	0	1	CIRCULAR	0.01039	RCP	237.93	0.55	416.48	0.96	509.99	1.18
58	ST-MAI-218	5	0	1	CIRCULAR	0.01571	RCP	152.91	0.47	270.13	0.83	365.83	1.12
59	ST-MAI-219	5	0	1	CIRCULAR	0.02475	RCP	98.43	0.24	147.12	0.36	217.43	0.53
60	ST-MAI-220	5	0	1	CIRCULAR	0.00709	RCP	101.98	0.47	150.58	0.69	220.56	1.01
61	ST-MAI-221	3.5	0	1	CIRCULAR	0.0077	RCP	53.29	0.6	111.02	1.26	137.87	1.56
62	ST-MAI-222	3.5	0	1	CIRCULAR	0.03572	RCP	96.18	0.51	162.26	0.85	189.16	0.99
63	ST-MAI-223	3	0	1	CIRCULAR	0.01468	RCP	9.3	0.12	15.26	0.19	35.94	0.44
64	ST-MAI-224	3	0	1	CIRCULAR	0.06052	RCP	12.71	0.08	23.28	0.14	114.92	0.7
1024	ST-MAI-225	1.25	0	1	CIRCULAR	0.0109	HDPE	0.65	0.1	1.06	0.16	1.53	0.23
1025	ST-MAI-226	1.25	0	1	CIRCULAR	0.00612	HDPE	2.86	0.57	4.77	0.94	6.73	1.33
1026	ST-MAI-227	1.25	0	1	CIRCULAR	0.0342	HDPE	2.85	0.24	4.77	0.4	6.73	0.56
1027	ST-MAI-228	1.25	0	1	CIRCULAR	0.04641	HDPE	1.06	0.08	1.8	0.13	2.95	0.21
1028	ST-MAI-229	1.25	0	1	CIRCULAR	0.01048	HDPE	1.85	0.28	3.08	0.47	4.47	0.68
777	ST-MAI-22b	2	0	1	CIRCULAR	0.03596	RCP	0.17	0	0.26	0.01	6.01	0.14
565	ST-MAI-23	8	0	1	CIRCULAR	0.01075	RCP	528.97	0.56	926.5	0.98	1127.39	1.19
1029	ST-MAI-230	1.5	0	1	CIRCULAR	0.1456	RCP	2.15	0.05	3.62	0.09	5.75	0.14
1030	ST-MAI-231	1.5	0	1	CIRCULAR	0.01633	RCP	2.51	0.19	4.26	0.32	6.77	0.5
1031	ST-MAI-232	1.5	0	1	CIRCULAR	0.0151	RCP	2.5	0.19	4.25	0.33	6.76	0.52
590	ST-MAI-233	1.5	0	1	CIRCULAR	0.02257	HDPE	2.74	0.17	4.82	0.31	8.27	0.52
65	ST-MAI-234	3.5	0	1	CIRCULAR	-0.00089	RCP	51.58	1.72	81.98	2.74	90.13	3.01
67	ST-MAI-236	1.25	0	1	CIRCULAR	0.00845	HDPE	3.14	0.53	5.52	0.93	8.34	1.4
68	ST-MAI-237	1.25	0	1	CIRCULAR	0.01821	RCP	3.09	0.35	5.46	0.63	8.31	0.95
69	ST-MAI-238	3.5	0	1	CIRCULAR	0.01598	RCP	3.86	0.03	15.64	0.12	83.54	0.66
70	ST-MAI-239	1.5	0	1	CIRCULAR	0.05941	RCP	3.43	0.13	6.12	0.24	10.39	0.41
566	ST-MAI-24	2	0	1	CIRCULAR	0.06565	RCP	18.35	0.32	32.84	0.57	51.3	0.89
71	ST-MAI-241	1.5	0	1	CIRCULAR	0.09864	RCP	2.15	0.07	3.59	0.11	5.77	0.17
72	ST-MAI-243	6	0	1	CIRCULAR	0.00169	RCP	2.84	0.02	32.91	0.19	208.88	1.2

Proposed Condition Storm Drain Results Summary Table

Conveyance Info		Dimensions						2-year		10-year		100-year	
Facility ID	Name	D' or H' (diameter) or (height)	B' (width)	Barrels	Shape	Slope (ft/ft)	Material	Q_{con} (2-year) (cfs)	Qcon vs Qcap3	Q_{con} (10-year) (cfs)	Qcon vs Qcap32	Q_{con} (100-year) (cfs)	Qcon vs Qcap7
73	ST-MAI-244	6	0	1	CIRCULAR	0.00147	RCP	22.87	0.14	53.02	0.33	97.14	0.6
74	ST-MAI-245	2	0	1	CIRCULAR	0.00369	RCP	11.7	0.85	38.88	2.83	37.79	2.75
75	ST-MAI-246	2	0	1	CIRCULAR	0.07171	RCP	5.21	0.09	9.3	0.15	15.62	0.26
76	ST-MAI-247	1.5	0	1	CIRCULAR	0.14905	RCP	2.41	0.06	4.34	0.11	7.28	0.18
77	ST-MAI-248	1.5	0	1	CIRCULAR	0.02518	RCP	1.57	0.09	2.86	0.17	4.81	0.29
78	ST-MAI-249	1.5	0	1	CIRCULAR	0.21636	RCP	2.85	0.06	5.02	0.1	8.43	0.17
567	ST-MAI-25	3	0	1	CIRCULAR	0.00345	RCP	54.43	1.39	84.43	2.16	85.49	2.18
79	ST-MAI-250	2	0	1	CIRCULAR	0.01003	RCP	5.42	0.24	9.57	0.42	16.51	0.73
80	ST-MAI-251	2	0	1	CIRCULAR	0.02382	RCP	5.43	0.16	9.57	0.27	16.57	0.47
81	ST-MAI-252	2	0	1	CIRCULAR	0.0245	RCP	5.39	0.15	9.5	0.27	16.47	0.47
82	ST-MAI-253	2	0	1	CIRCULAR	0.01737	RCP	11.2	0.38	20.02	0.67	33.04	1.11
83	ST-MAI-254	2.5	0	1	CIRCULAR	0.02144	RCP	16.45	0.27	29.39	0.49	48.86	0.81
84	ST-MAI-255	3	0	1	CIRCULAR	0.06449	RCP	23.16	0.14	39.62	0.23	70.93	0.42
85	ST-MAI-257	3.5	0	1	CIRCULAR	0.01678	RCP	2.19	0.02	6.51	0.05	10.32	0.08
86	ST-MAI-259	0.67	0	1	CIRCULAR	0.16213	PVC	0.91	0.18	1.53	0.31	2.44	0.5
568	ST-MAI-26	2.5	0	1	CIRCULAR	0.02387	RCP	21.28	0.34	37.91	0.6	47.63	0.75
87	ST-MAI-260	2	0	1	CIRCULAR	0.0155	RCP	2.56	0.09	5.09	0.18	12.72	0.45
88	ST-MAI-261	2	0	1	CIRCULAR	0.01653	RCP	2.56	0.09	5.07	0.17	12.72	0.44
89	ST-MAI-262	2	0	1	CIRCULAR	0.07858	RCP	2.55	0.04	5.06	0.08	12.72	0.2
519	ST-MAI-265	1	0	1	CIRCULAR	0.08978	PVC	2.21	0.21	3.82	0.36	6.21	0.58
520	ST-MAI-266	1.5	0	1	CIRCULAR	0.08805	RCP	2.23	0.07	4	0.13	6.84	0.22
521	ST-MAI-267	1.5	0	1	CIRCULAR	0.10047	CMP	2.14	0.12	3.73	0.21	6.15	0.34
569	ST-MAI-27	2.5	0	1	CIRCULAR	0.00716	RCP	12.17	0.35	21.84	0.63	32.47	0.94
522	ST-MAI-273	2	0	1	CIRCULAR	0.00716	RCP	5.09	0.27	8.94	0.47	16.01	0.84
523	ST-MAI-274	3	0	1	CIRCULAR	0.11572	RCP	0.34	0	0.82	0	1.53	0.01
524	ST-MAI-275	1.5	0	1	CIRCULAR	0.02669	RCP	7.33	0.43	12.97	0.76	21.63	1.26
525	ST-MAI-276	3.5	0	1	CIRCULAR	0.02534	RCP	47.37	0.3	79.8	0.5	168.1	1.05
526	ST-MAI-277	4	0	1	CIRCULAR	0.0369	RCP	124.13	0.45	212.83	0.77	306.08	1.11
527	ST-MAI-279	3.5	0	1	CIRCULAR	0.0315	RCP	64.62	0.36	111.99	0.63	151.54	0.85
528	ST-MAI-281	4	0	1	CIRCULAR	0.02168	RCP	112.8	0.53	193.81	0.92	253.81	1.2
529	ST-MAI-282	4.5	0	1	CIRCULAR	0.02175	RCP	128.08	0.44	219.94	0.76	311.18	1.07
530	ST-MAI-283	3.5	0	1	CIRCULAR	0.03355	RCP	63.27	0.34	109.57	0.59	146.33	0.79
591	ST-MAI-285	1.5	0	1	CIRCULAR	0.02837	RCP	2.37	0.13	4.28	0.24	7.3	0.41
592	ST-MAI-286	2	0	1	CIRCULAR	0.05008	RCP	17.13	0.34	30.17	0.6	51.32	1.01
593	ST-MAI-287	2	0	1	CIRCULAR	0.03224	RCP	21.35	0.53	38.22	0.94	66.39	1.63
594	ST-MAI-288	2	0	1	CIRCULAR	0.00332	RCP	8.98	0.69	8.01	0.61	32.1	2.46
595	ST-MAI-289	2.25	0	1	CIRCULAR	0.0059	RCP	5.01	0.21	5.45	0.23	7.78	0.33
570	ST-MAI-29	1.25	0	1	CIRCULAR	0.08432	RCP	6.91	0.37	11.71	0.62	18.32	0.98
596	ST-MAI-290	2	0	1	CIRCULAR	0.00453	RCP	0.96	0.06	1.77	0.12	3.54	0.23
597	ST-MAI-291	2	0	1	CIRCULAR	0.02619	RCP	0.18	0	0.27	0.01	0.42	0.01
598	ST-MAI-293	1.5	0	1	CIRCULAR	0.06693	RCP	1.01	0.04	1.73	0.06	2.81	0.1
531	ST-MAI-296	1	0	1	CIRCULAR	0.00305	RCP	0.24	0.12	0.47	0.24	0.71	0.36
599	ST-MAI-299	1	0	1	CIRCULAR	0.17878	CMP	0.83	0.1	1.53	0.19	2.48	0.3
430	ST-MAI-3	5	10	1	RECT_CLOSED	0.01659	RCB	308.85	0.3	353.06	0.34	750.41	0.73
571	ST-MAI-30	6	0	1	CIRCULAR	0.01879	RCP	98.33	0.17	209.46	0.36	222.4	0.38
600	ST-MAI-304	1.5	0	1	CIRCULAR	0.01774	RCP	4.94	0.35	8.1	0.58	12.83	0.92
601	ST-MAI-305	2	0	1	CIRCULAR	0.0304	RCP	14.72	0.37	26.42	0.67	47.16	1.2
602	ST-MAI-306	1.5	0	1	CIRCULAR	0.00323	RCP	3.18	0.53	5.4	0.91	8.47	1.42
603	ST-MAI-307	1.5	0	1	CIRCULAR	0.27678	RCP	5.98	0.11	10.21	0.18	16.49	0.3
604	ST-MAI-309	1	0	1	CIRCULAR	0.85398	CMP	0.34	0.02	0.54	0.03	0.84	0.05
572	ST-MAI-31	4	0	1	CIRCULAR	0.02993	RCP	98.33	0.4	242.5	0.98	244.42	0.98
606	ST-MAI-315	1.5	0	1	CIRCULAR	0.14772	RCP	0.83	0.02	1.51	0.04	2.45	0.06
607	ST-MAI-316	2	0	1	CIRCULAR	0.01324	RCP	10.69	0.41	18.93	0.73	33.2	1.28
608	ST-MAI-317	2	0	1	CIRCULAR	0.15634	RCP	12.41	0.14	21.96	0.25	36.42	0.41
609	ST-MAI-319	8	0	1	CIRCULAR	0.00422	RCP	189.62	0.32	352.85	0.6	643.16	1.09
573	ST-MAI-32	1.5	0	1	CIRCULAR	0.06712	RCP	17.17	0.63	30.67	1.13	31.82	1.17
610	ST-MAI-320	3	0	1	CIRCULAR	0.02147	CMP	29	0.55	50.87	0.96	84.43	1.59
611	ST-MAI-321	1.5	0	1	CIRCULAR	0.06116	RCP	0.88	0.03	1.44	0.06	2.28	0.09
612	ST-MAI-322	2	0	1	CIRCULAR	0.02205	RCP	1.42	0.04	2.36	0.07	42.64	1.27
1032	ST-MAI-323	1.5	0	1	CIRCULAR	0.00966	RCP	2.16	0.21	3.64	0.35	5.77	0.56
1034	ST-MAI-325	1.25	0	1	CIRCULAR	0.02919	RCP	0.24	0.02	0.39	0.04	0.61	0.05
1035	ST-MAI-326	1.25	0	1	CIRCULAR	0.01504	HDPE	0.26	0.03	0.43	0.05	0.67	0.08
1036	ST-MAI-327	1.25	0	1	CIRCULAR	0.04105	CMP	0.26	0.04	0.43	0.06	0.67	0.1
1037	ST-MAI-328	1.5	0	1	CIRCULAR	0.06929	RCP	1.88	0.07	3.37	0.12	5.53	0.2
574	ST-MAI-33	2	0	1	CIRCULAR	0.00783	RCP	13.17	0.66	21.47	1.07	28.63	1.43
1038	ST-MAI-330	1.5	0	1	CIRCULAR	0.06189	RCP	6.92	0.26	12.29	0.47	21	0.8
1039	ST-MAI-332	2	0	1	CIRCULAR	0.47947	RCP	3.18	0.02	5.8	0.04	8.85	0.06
1040	ST-MAI-333	2.5	0	1	CIRCULAR	0.01083	RCP	11.83	0.28	20.95	0.49	35.94	0.84
1041	ST-MAI-334	3	0	1	CIRCULAR	0.01081	RCP	21.17	0.31	37.99	0.55	65.42	0.94
1042	ST-MAI-335	1	0	1	CIRCULAR	0.02205	HDPE	3.52	0.67	5.79	1.09	8.05	1.52

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Proposed Condition Storm Drain Results Summary Table

Conveyance Info		Dimensions						2-year		10-year		100-year	
Facility ID	Name	D' or H' (diameter) or (height)	B' (width)	Barrels	Shape	Slope (ft/ft)	Material	Q_{con} (2-year) (cfs)	Qcon vs Qcap3	Q_{con} (10-year) (cfs)	Qcon vs Qcap32	Q_{con} (100-year) (cfs)	Qcon vs Qcap7
1043	ST-MAI-337	1.5	0	1	CIRCULAR	0.15237	RCP	3.37	0.08	3.4	0.08	3.44	0.08
1044	ST-MAI-338	1.5	0	1	CIRCULAR	0.00506	RCP	5.83	0.78	9.07	1.21	13.79	1.85
613	ST-MAI-339	1.5	0	1	CIRCULAR	0.01534	RCP	3.84	0.3	6.81	0.52	11.8	0.91
575	ST-MAI-34	7	0	1	CIRCULAR	0.00263	RCP	167.14	0.51	313.52	0.96	454.65	1.39
614	ST-MAI-340	1.5	0	1	CIRCULAR	0.01929	RCP	4.35	0.3	7.63	0.52	13.11	0.9
615	ST-MAI-341	1.5	0	1	CIRCULAR	0.00704	RCP	3.84	0.44	6.59	0.75	10.47	1.19
616	ST-MAI-342	2	0	1	CIRCULAR	0.0524	HDPE	4.01	0.08	6.87	0.13	11.25	0.22
617	ST-MAI-343	1.5	0	1	CIRCULAR	0.27655	CMP	0	0	0	0	0	0
1045	ST-MAI-346	1.5	0	1	CIRCULAR	0.19015	CMP	3.46	0.08	5.7	0.12	9.16	0.2
1046	ST-MAI-347	2.5	0	1	CIRCULAR	0.09578	RCP	19.06	0.15	31.75	0.25	43.77	0.34
1047	ST-MAI-348	1.5	0	1	CIRCULAR	0.03988	RCP	1.33	0.06	2.31	0.11	4.13	0.2
576	ST-MAI-35	4.5	0	1	CIRCULAR	0.00564	RCP	98.16	0.66	178.79	1.21	203.08	1.38
870	ST-MAI-352	1.5	0	1	CIRCULAR	0.0106	CMP	5.31	0.49	8.72	0.81	15.05	1.39
871	ST-MAI-353	1.5	0	1	CIRCULAR	0.04587	RCP	6.39	0.28	10.53	0.47	17.97	0.8
872	ST-MAI-354	2	0	1	CIRCULAR	0.00784	RCP	8.04	0.4	13.26	0.66	23.25	1.16
873	ST-MAI-355	0.5	0	1	CIRCULAR	0.87276	PVC	1.17	0.22	1.83	0.35	2.85	0.54
875	ST-MAI-357	5	0	1	CIRCULAR	0.00576	RCP	50.55	0.26	60.13	0.3	72.39	0.37
876	ST-MAI-358	1.5	0	1	CIRCULAR	0.04554	RCP	0.94	0.04	1.56	0.07	2.6	0.12
877	ST-MAI-359	5	0	1	CIRCULAR	0.01812	RCP	51.36	0.15	62.85	0.18	76.92	0.22
577	ST-MAI-36	3	0	1	CIRCULAR	0.00379	RCP	25.56	0.62	55.89	1.36	73.48	1.79
879	ST-MAI-362	2	0	1	CIRCULAR	0.00517	RCP	1.31	0.08	2.12	0.13	3.41	0.21
1004	ST-MAI-364_1	3	0	1	CIRCULAR	0.03181	RCP	104.34	0.88	155.15	1.3	155.25	1.31
1005	ST-MAI-364_2	3	0	1	CIRCULAR	0.0469	RCP	104.24	0.72	146.31	1.01	148.4	1.03
881	ST-MAI-365	1.5	0	1	CIRCULAR	0.04287	RCP	2.35	0.11	3.83	0.18	22.05	1.01
882	ST-MAI-366	1.5	0	1	CIRCULAR	0.05768	RCP	9.54	0.38	16.19	0.64	27.33	1.08
883	ST-MAI-368	1.5	0	1	CIRCULAR	0.02149	HDPE	2.01	0.13	3.34	0.22	5.54	0.36
884	ST-MAI-370	2.5	0	1	CIRCULAR	0.00601	RCP	0.37	0.01	0.82	0.03	1.55	0.05
885	ST-MAI-371	2	0	1	CIRCULAR	0.00605	RCP	0.33	0.02	0.62	0.03	2.44	0.14
886	ST-MAI-372	2.5	0	1	CIRCULAR	0.09391	RCP	0.19	0	0.33	0	0.56	0
887	ST-MAI-373	1.5	0	1	CIRCULAR	0.02797	RCP	0.32	0.02	0.56	0.03	0.89	0.05
888	ST-MAI-374	2	0	1	CIRCULAR	0.09948	CMP	1.33	0.03	2.36	0.06	4.82	0.12
889	ST-MAI-375	2.5	0	1	CIRCULAR	0.21096	RCP	33.89	0.18	116.32	0.62	158.79	0.84
1051	ST-MAI-377	2	0	1	CIRCULAR	0.1509	CONC	5.05	0.06	7.95	0.09	12.65	0.14
578	ST-MAI-38	5	0	1	CIRCULAR	0.01522	RCP	94.4	0.29	161.61	0.5	271.4	0.84
1052	ST-MAI-380	1.5	0	1	CIRCULAR	0.14643	CMP	2.81	0.13	4.47	0.21	7.02	0.32
1053	ST-MAI-381	1.5	0	1	CIRCULAR	0.00976	RCP	1.43	0.14	2.48	0.24	3.98	0.38
1054	ST-MAI-382	1.5	0	1	CIRCULAR	0.17017	RCP	0.51	0.01	0.88	0.02	1.41	0.03
1055	ST-MAI-383	2	0	1	CIRCULAR	0.04798	HDPE	1.87	0.04	3.43	0.07	5.77	0.12
1056	ST-MAI-384	2	0	1	CIRCULAR	0.46873	HDPE	2.39	0.02	4.33	0.03	7.22	0.05
1057	ST-MAI-385	1.5	0	1	CIRCULAR	0.03969	HDPE	2.56	0.12	4.09	0.2	6.47	0.31
1058	ST-MAI-386	4	0	1	CIRCULAR	0.00333	RCP	16.7	0.2	22.54	0.27	25.41	0.31
1160	ST-MAI-388_1	4	0	1	CIRCULAR	0.10334	CONC	18.95	0.04	25.64	0.06	30.77	0.07
1059	ST-MAI-389	1.5	0	1	CIRCULAR	0.04903	HDPE	0.86	0.04	1.38	0.06	2.19	0.09
1060	ST-MAI-390	1.5	0	1	CIRCULAR	0.03154	HDPE	0.89	0.05	1.43	0.08	2.27	0.12
1131	ST-MAI-391	1.5	0	1	CIRCULAR	0.03585	HDPE	1.72	0.09	2.77	0.14	4.39	0.22
1061	ST-MAI-392	1.5	0	1	CIRCULAR	0.02862	HDPE	2.6	0.15	4.15	0.23	6.55	0.37
1062	ST-MAI-393	1.5	0	1	CIRCULAR	0.02449	HDPE	0.51	0.03	0.79	0.05	1.24	0.08
1063	ST-MAI-394	1.5	0	1	CIRCULAR	0.01638	HDPE	0.41	0.03	0.63	0.05	0.98	0.07
1064	ST-MAI-395	2	0	1	CIRCULAR	0.02458	RCP	14.2	0.4	25.56	0.72	43.31	1.22
1065	ST-MAI-396	1.5	0	1	CIRCULAR	0.04004	RCP	4.91	0.23	9.06	0.43	15.68	0.75
1066	ST-MAI-397	1.5	0	1	CIRCULAR	0.02909	HDPE	4.21	0.23	6.68	0.37	10.46	0.58
1067	ST-MAI-398	1.5	0	1	CIRCULAR	0.01614	HDPE	0.19	0.01	0.29	0.02	0.45	0.03
1068	ST-MAI-399	1.5	0	1	CIRCULAR	0.03746	HDPE	0.54	0.03	0.82	0.04	1.26	0.06
552	ST-MAI-4	2	0	1	CIRCULAR	0.13082	HDPE	4.53	0.06	7.69	0.09	12.67	0.15
1069	ST-MAI-400	1.5	0	1	CIRCULAR	0.01652	HDPE	1.57	0.12	2.56	0.19	4.05	0.3
1070	ST-MAI-401	1.5	0	1	CIRCULAR	0.03322	HDPE	2.05	0.11	3.3	0.17	5.19	0.27
1071	ST-MAI-402	1.5	0	1	CIRCULAR	0.01452	HDPE	1.03	0.08	1.59	0.13	2.47	0.19
1072	ST-MAI-403	1.5	0	1	CIRCULAR	0.02852	HDPE	1.28	0.07	2	0.11	3.1	0.17
1073	ST-MAI-404	1.5	0	1	CIRCULAR	0.04167	HDPE	4.22	0.2	6.7	0.31	10.48	0.49
1074	ST-MAI-405	1	0	1	CIRCULAR	0.08783	RCP	0.66	0.06	1.05	0.1	1.66	0.16
1075	ST-MAI-406	1.5	0	1	CIRCULAR	0.00621	RCP	2.45	0.3	3.89	0.47	6.12	0.74
1076	ST-MAI-407	1.5	0	1	CIRCULAR	0.02495	RCP	3.52	0.21	5.62	0.34	8.82	0.53
1077	ST-MAI-408	1.5	0	1	CIRCULAR	0.06935	RCP	1.18	0.04	1.84	0.07	2.87	0.1
1078	ST-MAI-409	2	0	1	CIRCULAR	0.10685	RCP	4.79	0.06	7.61	0.1	11.93	0.16
1079	ST-MAI-410	1.5	0	1	CIRCULAR	0.0196	RCP	7.19	0.49	13.89	0.94	23.05	1.57
1080	ST-MAI-411	2.5	0	1	CIRCULAR	0.00366	RCP	9.19	0.37	17.51	0.71	28.81	1.16
1088	ST-MAI-419	1.5	0	1	CIRCULAR	0.01258	RCP	7.55	0.64	15.36	1.3	26.53	2.25
511	ST-MAI-41a	3.5	0	1	CIRCULAR	0.01599	RCP	51.03	0.4	87.87	0.69	141.13	1.11
546	ST-MAI-41b	3.5	0	1	CIRCULAR	0.03635	RCP	52.61	0.27	90.67	0.47	154.25	0.8
512	ST-MAI-42	3.5	0	1	CIRCULAR	0.02199	RCP	45.61	0.31	69.8	0.47	134.23	0.9

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Proposed Condition Storm Drain Results Summary Table

Conveyance Info		Dimensions						2-year		10-year		100-year	
Facility ID	Name	D' or H' (diameter) or (height)	B' (width)	Barrels	Shape	Slope (ft/ft)	Material	Q_{con} (2-year) (cfs)	Qcon vs Qcap3	Q_{con} (10-year) (cfs)	Qcon vs Qcap32	Q_{con} (100-year) (cfs)	Qcon vs Qcap7
1091	ST-MAI-422	1.5	0	1	CIRCULAR	0.00934	RCP	3.22	0.32	5.82	0.57	10.35	1.02
1092	ST-MAI-423	3	0	1	CIRCULAR	0.00838	RCP	5.51	0.09	9.88	0.16	17.41	0.29
1093	ST-MAI-424	2	0	1	CIRCULAR	0.06925	RCP	3.88	0.07	7.16	0.12	11.9	0.2
1094	ST-MAI-425	2.5	0	1	CIRCULAR	0.05923	RCP	10.94	0.11	20.02	0.2	33.95	0.34
1095	ST-MAI-426	3	0	1	CIRCULAR	0.03148	RCP	16.84	0.14	30.29	0.26	53.22	0.45
1096	ST-MAI-427	3	0	1	CIRCULAR	0.06807	RCP	10.88	0.06	20.15	0.12	35.07	0.2
1097	ST-MAI-428	1.5	0	1	CIRCULAR	0.06224	RCP	1.07	0.04	1.91	0.07	3.52	0.13
1098	ST-MAI-429	4	0	1	CIRCULAR	0.01105	RCP	26.68	0.18	50.95	0.34	88.17	0.58
1099	ST-MAI-430	1.5	0	1	CIRCULAR	0.07414	RCP	0.64	0.02	1.14	0.04	1.87	0.07
1100	ST-MAI-431	4	0	1	CIRCULAR	0.03938	RCP	26.1	0.09	49.85	0.17	85.8	0.3
618	ST-MAI-432	2.5	0	1	CIRCULAR	0.02111	RCP	16.97	0.28	28.57	0.48	47.2	0.79
619	ST-MAI-433	2.5	0	1	CIRCULAR	0.06037	RCP	24.28	0.24	41.34	0.41	69.14	0.69
620	ST-MAI-434	1.5	0	1	CIRCULAR	0.01887	RCP	5.17	0.36	9.49	0.66	16.78	1.16
621	ST-MAI-437	2	0	1	CIRCULAR	0.04587	RCB	21.01	0.43	37.3	0.77	55.61	1.15
622	ST-MAI-438	2	0	1	CIRCULAR	0.02502	RCP	12.6	0.35	22.59	0.63	35.36	0.99
623	ST-MAI-439	2	0	1	CIRCULAR	0.02587	RCP	11.2	0.31	20.07	0.55	33.26	0.91
513	ST-MAI-44	3	0	1	CIRCULAR	0.04382	RCP	36.19	0.26	55.54	0.4	125.23	0.9
624	ST-MAI-440	1.5	0	1	CIRCULAR	0.02778	CMP	3.17	0.33	8.36	0.88	12.51	1.32
625	ST-MAI-441	2	0	1	CIRCULAR	0.01345	HDPE	6.31	0.24	11.37	0.43	19.12	0.73
626	ST-MAI-442	1.5	0	1	CIRCULAR	0.12358	ABS	4.19	0.11	8.5	0.23	17.71	0.48
627	ST-MAI-443	4	0	1	CIRCULAR	0.0162	RCP	72.19	0.39	120.89	0.66	209.43	1.15
628	ST-MAI-444	2	0	1	CIRCULAR	0.07062	CMP	0.76	0.02	1.32	0.04	1.97	0.06
629	ST-MAI-445	4	0	1	CIRCULAR	0.01712	RCP	78.79	0.42	132.95	0.71	227.57	1.21
630	ST-MAI-446	4	0	1	CIRCULAR	0.03356	RCP	61.5	0.23	101.77	0.39	182.22	0.69
631	ST-MAI-447	4	0	1	CIRCULAR	0.00678	RCP	61.41	0.52	101.66	0.86	182.6	1.54
632	ST-MAI-448	4	0	1	CIRCULAR	0.0181	RCP	59.12	0.31	97.52	0.5	175	0.91
633	ST-MAI-449	1	0	1	CIRCULAR	0.05178	RCP	3.73	0.46	6.69	0.83	10.15	1.25
634	ST-MAI-452	3	0	1	CIRCULAR	0.03747	RCP	25.11	0.19	44.74	0.35	81.55	0.63
635	ST-MAI-453	1.5	0	1	CIRCULAR	0.0509	CMP	5.4	0.23	10.37	0.44	18.46	0.78
636	ST-MAI-454	3	0	1	CIRCULAR	0.09784	CMP	10.59	0.05	19.2	0.09	35.1	0.17
637	ST-MAI-455	6	0	1	CIRCULAR	0.03933	RCP	118.12	0.14	245.92	0.29	302.13	0.36
638	ST-MAI-456	1.5	0	1	CIRCULAR	0.01682	ABS	2.78	0.2	4.75	0.35	7.91	0.58
639	ST-MAI-457	1.5	0	1	CIRCULAR	0.2452	ABS	2.77	0.05	4.74	0.09	7.89	0.15
640	ST-MAI-458	1.5	0	1	CIRCULAR	0.02226	ABS	5.64	0.36	9.75	0.62	16.34	1.04
641	ST-MAI-459	1.5	0	1	CIRCULAR	0.06198	ABS	5.63	0.22	9.73	0.37	16.33	0.62
514	ST-MAI-46	2	0	1	CIRCULAR	0.00607	RCP	4.87	0.28	8.74	0.5	14.45	0.82
642	ST-MAI-461	6	0	1	CIRCULAR	0.01527	RCP	119.29	0.23	270.63	0.52	345.91	0.66
1101	ST-MAI-462	3	0	1	CIRCULAR	0.06046	RCP	19.37	0.12	34.42	0.21	60.55	0.37
1102	ST-MAI-463	3	0	1	CIRCULAR	0.0082	RCP	19.38	0.32	34.44	0.57	60.41	1
1103	ST-MAI-464	3	0	1	CIRCULAR	0.10425	RCP	11.41	0.05	20.68	0.1	37.05	0.17
1104	ST-MAI-467	1.5	0	1	CIRCULAR	0.00806	CMP	6.55	1.28	9.47	1.85	13.38	2.62
1007	ST-MAI-47	2	0	1	CIRCULAR	0.01033	RCP	10.85	0.47	19.02	0.83	29	1.26
1108	ST-MAI-471	1.5	0	1	CIRCULAR	0.02264	RCP	1.34	0.09	2.45	0.16	4.03	0.25
1109	ST-MAI-472	2	0	1	CIRCULAR	0.00787	RCP	7.67	0.38	13.39	0.67	21.18	1.06
1110	ST-MAI-473	2	0	1	CIRCULAR	0.03829	RCP	14.65	0.33	26.03	0.59	42.9	0.97
1111	ST-MAI-474	2	0	1	CIRCULAR	0.04249	RCP	14.64	0.31	26.01	0.56	41.87	0.9
1112	ST-MAI-475	2	0	1	CIRCULAR	0.00322	RCP	8.83	0.69	16.18	1.26	27.93	2.18
1008	ST-MAI-48	2	0	1	CIRCULAR	0.01891	RCP	9.41	0.3	16.5	0.53	27.21	0.87
1117	ST-MAI-481	2	0	1	CIRCULAR	0.22315	CONC	2.98	0.04	5.41	0.07	9.25	0.13
643	ST-MAI-483	2	0	1	CIRCULAR	0.00435	ABS	7.11	0.48	12.66	0.85	21.74	1.46
1119	ST-MAI-484	0.5	0	1	CIRCULAR	0.04295	ABS	0	0	0	0	0.01	0
1120	ST-MAI-485	0.5	0	1	CIRCULAR	0.01097	ABS	0.03	0.05	0.05	0.08	0.08	0.13
1122	ST-MAI-487	1.5	0	1	CIRCULAR	0.0334	RCP	1.28	0.07	2.32	0.12	3.85	0.2
1123	ST-MAI-488	1.5	0	1	CIRCULAR	0.0967	RCP	1.31	0.04	2.51	0.08	4.11	0.13
1124	ST-MAI-489	1.5	0	1	CIRCULAR	0.04935	ABS	2.05	0.09	3.55	0.15	3.91	0.17
1	ST-MAI-49	3	0	1	CIRCULAR	0.01085	CMP	20.55	0.55	36.32	0.97	45.88	1.22
1126	ST-MAI-491	1.5	0	1	CIRCULAR	0.0152	RCP	0.83	0.06	1.51	0.12	2.43	0.19
644	ST-MAI-497	1.5	0	1	CIRCULAR	0.0219	RCP	4.47	0.29	8.15	0.52	13.87	0.89
645	ST-MAI-498	1.5	0	1	CIRCULAR	0.01514	RCP	5.65	0.44	10.24	0.79	16.59	1.28
646	ST-MAI-499	1.5	0	1	CIRCULAR	0.01978	RCP	5.55	0.38	10.07	0.68	14.41	0.98
553	ST-MAI-5	1.5	0	1	CIRCULAR	0.00456	HDPE	4.05	0.57	6.9	0.97	11.34	1.6
2	ST-MAI-50	3	0	1	CIRCULAR	0.03154	CONC	26.6	0.22	44.87	0.38	74.3	0.63
647	ST-MAI-501	1.5	0	1	CIRCULAR	0.10703	RCP	1.18	0.03	4.02	0.12	10.15	0.3
648	ST-MAI-502	4	0	1	CIRCULAR	0.00646	RCP	39.62	0.34	69.67	0.6	126.67	1.1
649	ST-MAI-503	4	0	1	CIRCULAR	0.00902	RCP	54.04	0.4	91.18	0.67	164.49	1.21
650	ST-MAI-504	4	0	1	CIRCULAR	0.0122	RCP	55.26	0.35	92.49	0.58	166.49	1.05
651	ST-MAI-505	4	0	1	CIRCULAR	0.00327	RCP	27.15	0.33	41.96	0.51	67.44	0.82
652	ST-MAI-506	2.25	0	1	CIRCULAR	0.0409	ABS	3.15	0.05	6.02	0.1	10.79	0.17
653	ST-MAI-507	2	0	1	CIRCULAR	0.02557	ABS	1.34	0.04	2.32	0.06	3.86	0.11
654	ST-MAI-508	2	0	1	CIRCULAR	0.01378	ABS	1.3	0.05	2.26	0.09	3.77	0.14

Proposed Condition Storm Drain Results Summary Table

Conveyance Info		Dimensions						2-year		10-year		100-year	
Facility ID	Name	D' or H' (diameter) or (height)	B' (width)	Barrels	Shape	Slope (ft/ft)	Material	Q_{con} (2-year) (cfs)	Qcon vs Qcap3	Q_{con} (10-year) (cfs)	Qcon vs Qcap32	Q_{con} (100-year) (cfs)	Qcon vs Qcap7
655	ST-MAI-509	1.5	0	1	CIRCULAR	0.15746	CMP	1.36	0.06	2.37	0.1	3.9	0.17
3	ST-MAI-51	3.5	0	1	CIRCULAR	0.06161	CMP	24.11	0.18	33.45	0.25	41.62	0.31
656	ST-MAI-512	1.5	0	1	CIRCULAR	0.00884	RCP	2.34	0.24	4.18	0.42	7.05	0.71
657	ST-MAI-513	0.92	2.67	1	RECT_CLOSED	0.00802	RCB	2.57	0.21	4.63	0.38	7.77	0.63
658	ST-MAI-515	2	0	1	CIRCULAR	0.00666	RCP	10.88	0.59	19.37	1.05	28.4	1.54
659	ST-MAI-519	1.5	0	1	CIRCULAR	0.07756	RCP	7.03	0.24	7.39	0.25	7.59	0.26
4	ST-MAI-52	3	0	1	CIRCULAR	0.05399	SP	16.85	0.2	30.06	0.36	36.16	0.43
859	ST-MAI-521	0.33	0	1	CIRCULAR	0.13726	HDPE	0.87	1.26	0.87	1.26	0.87	1.26
660	ST-MAI-522	3	0	1	CIRCULAR	0.00492	RCP	20.26	0.43	31.75	0.68	44.67	0.95
661	ST-MAI-523	3	0	1	CIRCULAR	0.01641	RCP	40.31	0.47	60.2	0.7	59.58	0.7
662	ST-MAI-524	4	0	1	CIRCULAR	0.00819	RCP	85.12	0.65	154.37	1.19	173.31	1.33
663	ST-MAI-525	4	0	1	CIRCULAR	0.03748	RCP	85.06	0.31	153.25	0.55	172.37	0.62
664	ST-MAI-526	4	0	1	CIRCULAR	0.00833	RCP	93.23	0.71	167.44	1.28	182.17	1.39
665	ST-MAI-527	3	0	1	CIRCULAR	0.00403	RCP	23.31	0.55	37.41	0.88	51.48	1.22
666	ST-MAI-528	3	0	1	CIRCULAR	0.02132	RCP	4.78	0.05	8.57	0.09	15.21	0.16
667	ST-MAI-529	3	0	1	CIRCULAR	0.05786	RCP	18.07	0.11	32.36	0.2	57.54	0.36
5	ST-MAI-53	1.5	0	1	CIRCULAR	0.09632	RCP	8.01	0.25	13.75	0.42	22.14	0.68
668	ST-MAI-530	3	0	1	CIRCULAR	0.03919	RCP	17.98	0.14	32.23	0.24	57.46	0.44
669	ST-MAI-531	3	0	1	CIRCULAR	0.01655	RCP	17.86	0.21	29.43	0.34	56.93	0.66
670	ST-MAI-533	3	0	1	CIRCULAR	0.03188	RCP	27.84	0.23	51.02	0.43	89.93	0.76
671	ST-MAI-534	3	0	1	CIRCULAR	0.00483	RCP	27.01	0.58	54.02	1.17	96.57	2.08
672	ST-MAI-535	3	0	1	CIRCULAR	0.01531	RCP	13.86	0.17	22.87	0.28	38.88	0.47
673	ST-MAI-536	3	0	1	CIRCULAR	0.07015	RCP	13.13	0.07	23.55	0.13	41.95	0.24
674	ST-MAI-539	2.5	0	1	CIRCULAR	0.01333	RCP	28.05	0.59	49.39	1.04	78.23	1.65
675	ST-MAI-540	2.5	0	1	CIRCULAR	0.05245	CMP	28.19	0.3	49.61	0.53	78.58	0.84
676	ST-MAI-541	3	0	1	CIRCULAR	0.02697	RCP	28.65	0.26	50.53	0.46	79.28	0.72
677	ST-MAI-542	3	0	1	CIRCULAR	0.01712	RCP	35.09	0.4	62.05	0.71	97.88	1.12
678	ST-MAI-543	3	0	1	CIRCULAR	0.00358	RCP	5.66	0.14	10.23	0.26	17.69	0.44
679	ST-MAI-544	3	0	1	CIRCULAR	0.00366	CMP	29.91	0.74	53.97	1.34	79.01	1.96
680	ST-MAI-548	1.5	0	1	CIRCULAR	0.01859	RCP	6.59	0.46	11.35	0.79	16.31	1.14
681	ST-MAI-549	1.5	0	1	CIRCULAR	0.01746	RCP	8	0.58	13.82	1	15.62	1.13
579	ST-MAI-54a	1.5	0	1	CIRCULAR	0.04267	RCP	4.65	0.21	6.18	0.28	6.5	0.3
784	ST-MAI-54b	1.5	0	1	CIRCULAR	0.36144	RCP	2.41	0.04	3.73	0.06	5.53	0.09
682	ST-MAI-550	1.5	0	1	CIRCULAR	0.02067	RCP	9.54	0.63	16.24	1.08	19.05	1.26
683	ST-MAI-551	2	0	1	CIRCULAR	0.01369	RCP	13.01	0.49	22.48	0.85	30.81	1.16
684	ST-MAI-552	2.5	0	1	CIRCULAR	0.01937	RCP	13.15	0.23	22.7	0.4	30.83	0.54
685	ST-MAI-553	2.5	0	1	CIRCULAR	0.01908	HDPE	15.7	0.28	27.54	0.49	39.62	0.7
686	ST-MAI-554	2.5	0	1	CIRCULAR	0.02612	RCP	17.68	0.27	30.86	0.47	45.32	0.68
6	ST-MAI-56	6	0	1	CIRCULAR	0.00199	RCP	110.08	0.58	212.93	1.13	272.08	1.44
891	ST-MAI-560	6	0	1	CIRCULAR	0.00114	RCP	274.05	1.91	375.58	2.62	456.55	3.19
892	ST-MAI-561	6	0	1	CIRCULAR	0.00155	RCP	254.72	1.53	337.99	2.03	450.27	2.7
893	ST-MAI-562	6	0	1	CIRCULAR	0.0177	RCP	270.2	0.48	359.91	0.64	451.59	0.8
894	ST-MAI-563	6	0	1	CIRCULAR	0.02642	RCP	255.97	0.37	336.33	0.49	438.32	0.64
895	ST-MAI-564	4.5	0	1	CIRCULAR	0.013	RCP	75.28	0.34	131.89	0.59	201.72	0.9
896	ST-MAI-565	3	0	2	CIRCULAR	0.01661	RCP	58.65	0.34	100.17	0.58	139.29	0.81
897	ST-MAI-566	2	0	1	CIRCULAR	0.02256	CMP	6.14	0.18	10.46	0.31	14.21	0.42
898	ST-MAI-567	2	0	1	CIRCULAR	0.04862	PVC	6.38	0.13	11.31	0.23	18.87	0.38
899	ST-MAI-568	1.5	0	1	CIRCULAR	0.00483	RCP	0.63	0.09	1.07	0.15	1.68	0.23
900	ST-MAI-569	1.5	0	1	CIRCULAR	0.07683	RCP	3.12	0.11	5.2	0.18	8.24	0.28
7	ST-MAI-57	5	0	1	CIRCULAR	0.00776	CMP	189.11	0.82	275.46	1.2	303.12	1.32
901	ST-MAI-570	1.5	0	1	CIRCULAR	0.3513	RCP	3.41	0.05	5.67	0.09	8.99	0.14
902	ST-MAI-571	4	0	1	CIRCULAR	0.01352	RCP	119.1	0.71	165.17	0.99	183.63	1.1
903	ST-MAI-572	3.5	0	2	CIRCULAR	0.05692	RCP	150.22	0.31	204.88	0.43	237.03	0.49
904	ST-MAI-573	3.5	0	2	CIRCULAR	0.02261	RCB	142.84	0.47	201.6	0.67	237.07	0.78
905	ST-MAI-574	1.5	0	1	CIRCULAR	0.01132	RCP	5.7	0.51	9.58	0.86	15.29	1.37
906	ST-MAI-575	3	0	1	CIRCULAR	0.02844	RCP	45.25	0.4	77.65	0.69	146.57	1.3
907	ST-MAI-576	1.5	0	1	CIRCULAR	0.01439	RCP	0.02	0	0.03	0	4.36	0.35
908	ST-MAI-577	1.5	0	1	CIRCULAR	0.04342	RCP	11.19	0.51	18.94	0.87	23.52	1.07
909	ST-MAI-578	2.75	0	1	CIRCULAR	0.01865	RCP	33.79	0.47	56.54	0.78	119.92	1.66
910	ST-MAI-579	1.5	0	1	CIRCULAR	0.10633	RCP	0	0	0	0	0	0
8	ST-MAI-58	5	0	1	CIRCULAR	0.00575	RCP	125.48	0.64	182.86	0.93	196.24	0.99
911	ST-MAI-580	1.5	0	1	CIRCULAR	0.01936	RCP	4.71	0.32	7.96	0.54	13.01	0.89
912	ST-MAI-581	1.5	0	1	CIRCULAR	0.06851	CMP	6.44	0.43	10.77	0.72	16.08	1.08
913	ST-MAI-583	0.67	0	1	CIRCULAR	0.03324	ABS	0	0	0	0	0	0
914	ST-MAI-587	2.5	0	1	CIRCULAR	0.00743	RCP	14.67	0.41	25.56	0.72	45.46	1.29
90	ST-MAI-588	1.5	0	1	CIRCULAR	-0.01328	RCP	0.16	0.01	0.25	0.02	0.4	0.03
91	ST-MAI-589	3	0	1	CIRCULAR	0.01791	RCP	38.86	0.44	69.79	0.78	96.81	1.08
9	ST-MAI-59	2.5	0	1	CIRCULAR	0.02058	RCP	7.9	0.13	14.48	0.25	25.59	0.43
92	ST-MAI-590	3	0	1	CIRCULAR	0.00752	RCP	29.49	0.51	54.3	0.94	71.87	1.24
93	ST-MAI-591	2.5	0	1	CIRCULAR	0.0369	RCP	17.46	0.22	33.11	0.42	41.14	0.52

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Proposed Condition Storm Drain Results Summary Table

Conveyance Info		Dimensions						2-year		10-year		100-year	
Facility ID	Name	D' or H' (diameter) or (height)	B' (width)	Barrels	Shape	Slope (ft/ft)	Material	Q_{con} (2-year) (cfs)	Qcon vs Qcap3	Q_{con} (10-year) (cfs)	Qcon vs Qcap32	Q_{con} (100-year) (cfs)	Qcon vs Qcap7
94	ST-MAI-592	2.5	0	1	CIRCULAR	0.01465	HDPE	16.89	0.34	32.12	0.65	39.49	0.8
95	ST-MAI-593	1	0	1	CIRCULAR	0.07241	HDPE	0.65	0.07	1.1	0.11	1.76	0.18
96	ST-MAI-594	2	0	1	CIRCULAR	0.0205	RCP	16.03	0.49	30.72	0.95	37.38	1.15
97	ST-MAI-595	2	0	1	CIRCULAR	0.02143	RCP	9.33	0.28	15.56	0.47	25.13	0.76
98	ST-MAI-596	2	0	1	CIRCULAR	0.01468	RCP	12.58	0.46	22.22	0.81	31	1.13
99	ST-MAI-597	1	0	1	CIRCULAR	0.0449	ABS	0.74	0.1	1.19	0.16	2.09	0.28
100	ST-MAI-598	2	0	1	CIRCULAR	0.01632	RCP	8.67	0.3	14.47	0.5	23.38	0.81
101	ST-MAI-599	1.5	0	1	CIRCULAR	0.00337	RCP	2.69	0.44	4.43	0.73	6.91	1.13
554	ST-MAI-6	1.5	0	1	CIRCULAR	0.19239	HDPE	0.62	0.01	0.96	0.02	1.47	0.03
10	ST-MAI-60	2	0	1	CIRCULAR	0.01358	RCP	9.35	0.35	15.71	0.6	19.94	0.76
102	ST-MAI-600	1.5	0	1	CIRCULAR	0.00462	RCP	3.08	0.43	5.16	0.72	7.17	1
103	ST-MAI-601	1.5	0	1	CIRCULAR	0.00992	RCP	3.01	0.29	4.96	0.47	7.21	0.69
104	ST-MAI-602	1.5	0	1	CIRCULAR	0.01926	RCP	3.02	0.21	5.01	0.34	7.87	0.54
105	ST-MAI-603	2	0	1	CIRCULAR	0.0127	RCP	12.08	0.47	20.89	0.82	29.8	1.17
106	ST-MAI-604	2	0	1	CIRCULAR	0.03828	RCP	9.27	0.21	18.38	0.42	30.21	0.68
107	ST-MAI-605	2.5	0	1	CIRCULAR	0.00368	RCP	0.31	0.01	0.7	0.03	1.44	0.06
108	ST-MAI-607	6	0	1	CIRCULAR	0.00103	RCP	39.88	0.29	71.65	0.53	98.37	0.73
109	ST-MAI-608	3	0	1	CIRCULAR	0.01924	RCP	39.37	0.43	70.52	0.76	97.93	1.06
110	ST-MAI-609	2.5	0	1	CIRCULAR	0.01792	RCP	0	0	0	0	0	0
11	ST-MAI-61	2	0	1	CIRCULAR	0.03195	RCP	22.98	0.57	37.52	0.93	39.02	0.96
111	ST-MAI-610	2.5	0	1	CIRCULAR	0.03125	RCP	0	0	0	0	0	0
112	ST-MAI-611	4	0	1	CIRCULAR	0.00867	RCP	62.19	0.46	187.67	1.4	190.01	1.42
113	ST-MAI-612	2.5	0	1	CIRCULAR	0.11215	RCP	0.72	0.01	16.42	0.12	17.47	0.13
114	ST-MAI-613	1.5	0	1	CIRCULAR	0.03885	RCP	11.03	0.53	19.39	0.94	22.66	1.09
115	ST-MAI-614	2.5	0	1	CIRCULAR	0.00731	RCP	11.72	0.33	24.6	0.7	40.51	1.15
116	ST-MAI-615	3.5	0	1	CIRCULAR	0.00581	RCP	36.26	0.47	87.42	1.14	108.9	1.42
687	ST-MAI-620	1.5	0	1	CIRCULAR	0.01189	RCP	4.66	0.41	8.04	0.7	12.36	1.08
688	ST-MAI-621	2	0	1	CIRCULAR	0.01529	RCP	7.54	0.27	13.03	0.47	22.6	0.81
689	ST-MAI-622	1.5	0	1	CIRCULAR	0.02304	RCP	0.73	0.05	1.42	0.09	2.51	0.16
690	ST-MAI-623	1	0	1	CIRCULAR	0.03061	PVC	0.2	0.03	0.45	0.07	0.87	0.14
691	ST-MAI-624	1.5	0	1	CIRCULAR	0.01932	RCP	4.02	0.28	6.77	0.46	10.92	0.75
692	ST-MAI-626	2	0	1	CIRCULAR	0.01945	RCP	12.14	0.38	21.02	0.67	33.86	1.07
693	ST-MAI-627	1.5	0	1	CIRCULAR	0.00379	HDPE	0.9	0.14	1.57	0.24	2.64	0.41
694	ST-MAI-628	2.5	0	1	CIRCULAR	0.00328	RCP	13.07	0.56	22.67	0.97	36.37	1.55
695	ST-MAI-629	2	0	1	CIRCULAR	0.0285	RCB	16.98	0.44	29.83	0.78	53.75	1.41
475	ST-MAI-62a	2	0	1	CIRCULAR	0.02354	RCP	15.39	0.44	27.29	0.79	34.47	0.99
12	ST-MAI-62b	2	0	1	CIRCULAR	0.03063	RCP	17.63	0.45	29.94	0.76	38.04	0.96
696	ST-MAI-630	2.5	0	1	CIRCULAR	0.01699	RCP	17.03	0.32	29.91	0.56	53.87	1.01
697	ST-MAI-631	3	0	1	CIRCULAR	0.01088	RCP	28.08	0.4	42.34	0.61	52.38	0.75
698	ST-MAI-632	4.5	0	1	CIRCULAR	0.01269	RCP	113.56	0.51	206.22	0.93	279.27	1.26
699	ST-MAI-633	1.5	0	1	CIRCULAR	0.00444	RCP	2.05	0.29	3.58	0.51	5.87	0.84
700	ST-MAI-634	1.5	0	1	CIRCULAR	0.05891	RCP	4.23	0.17	7.36	0.29	12.11	0.47
701	ST-MAI-635	1.5	0	1	CIRCULAR	0.0115	RCP	5.1	0.45	8.72	0.77	15.39	1.37
702	ST-MAI-636	6	0	1	CIRCULAR	0.00425	RCP	152.69	0.55	267.56	0.97	356.08	1.29
703	ST-MAI-637	1.5	0	1	CIRCULAR	0.05139	RCP	1.51	0.06	4.76	0.2	13.41	0.56
704	ST-MAI-638	2.5	0	1	CIRCULAR	0.05264	RCP	3.2	0.03	8.68	0.09	30.16	0.32
705	ST-MAI-639	6	0	1	CIRCULAR	0.04159	RCP	2.14	0	16.75	0.02	13.69	0.02
13	ST-MAI-63a	2.5	0	1	CIRCULAR	0.05905	CONC	13.99	0.14	25.4	0.25	45.89	0.46
217	ST-MAI-63b	2.5	0	1	CIRCULAR	0.00317	CONC	14.55	0.63	27.81	1.2	50.77	2.2
706	ST-MAI-640	6	0	1	CIRCULAR	0.00316	RCP	158.45	0.67	275.5	1.16	357.73	1.5
707	ST-MAI-641	1.5	0	1	CIRCULAR	0.13892	RCP	8	0.2	14.17	0.36	22.85	0.58
708	ST-MAI-642	6	0	1	CIRCULAR	0.00623	RCP	157.37	0.47	277.39	0.83	354.87	1.06
709	ST-MAI-643	4.5	0	1	CIRCULAR	0.01699	RCP	162.83	0.64	285.96	1.12	291.73	1.14
710	ST-MAI-644	6	0	1	CIRCULAR	0.00709	RCB	162.69	0.46	286.18	0.8	350.94	0.98
711	ST-MAI-645	2.5	0	1	CIRCULAR	0.06048	RCP	19.31	0.19	31.55	0.31	41.46	0.41
712	ST-MAI-646	2.5	0	1	CIRCULAR	0.01602	RCP	19.84	0.38	32.38	0.62	42.29	0.81
713	ST-MAI-647	2	0	1	CIRCULAR	0.02815	RCP	21.08	0.56	34.3	0.9	41.7	1.1
714	ST-MAI-648	2.5	0	1	CIRCULAR	0.02162	RCP	31.7	0.53	52.04	0.86	59.99	0.99
715	ST-MAI-649	2.5	0	1	CIRCULAR	0.01984	RCP	40.15	0.7	63.58	1.1	66.84	1.16
915	ST-MAI-65	4	0	1	CIRCULAR	0.00573	RCP	45.24	0.42	77.57	0.71	148.52	1.37
716	ST-MAI-650	3	0	1	CIRCULAR	0.00814	RCP	41.75	0.69	65.69	1.09	72.38	1.2
717	ST-MAI-651	3	0	1	CIRCULAR	0.03267	RCP	41.76	0.35	65.02	0.54	72.67	0.6
718	ST-MAI-652	4	0	1	CIRCULAR	0.0209	RCP	45.55	0.22	70.06	0.34	85.57	0.41
719	ST-MAI-653	6	0	1	CIRCULAR	0.0082	RCP	152.02	0.4	266.75	0.7	318.26	0.83
834	ST-MAI-654	6	0	1	CIRCULAR	0.00644	RCP	152.71	0.45	267.66	0.79	356.37	1.05
720	ST-MAI-655	6	0	1	CIRCULAR	0.00995	RCP	118	0.28	213.08	0.5	309.61	0.73
721	ST-MAI-656	6	0	1	CIRCULAR	0.00569	RCP	152.02	0.48	266.37	0.83	317.59	0.99
722	ST-MAI-657	2	0	1	CIRCULAR	0.00637	CMP	4.46	0.46	7.13	0.73	11.27	1.15
723	ST-MAI-658	2.5	0	1	CIRCULAR	0.02738	RCP	27.93	0.41	45.87	0.68	59.65	0.88
823	ST-MAI-659	2	0	1	CIRCULAR	0.04327	RCP	5.63	0.12	9.73	0.21	16.53	0.35

Proposed Condition Storm Drain Results Summary Table

Conveyance Info		Dimensions						2-year		10-year		100-year	
Facility ID	Name	D' or H' (diameter) or (height)	B' (width)	Barrels	Shape	Slope (ft/ft)	Material	Q_{con} (2-year) (cfs)	Qcon vs Qcap3	Q_{con} (10-year) (cfs)	Qcon vs Qcap32	Q_{con} (100-year) (cfs)	Qcon vs Qcap7
14	ST-MAI-66	2	0	1	CIRCULAR	0.02474	RCP	10.68	0.3	18.64	0.52	30.39	0.85
724	ST-MAI-663	1	0	1	CIRCULAR	0.06675	ABS	4.08	0.44	7.26	0.79	10.01	1.09
725	ST-MAI-664	2	0	1	CIRCULAR	0.01744	HDPE	14.38	0.48	24.16	0.81	26.52	0.89
726	ST-MAI-665	1.5	0	1	CIRCULAR	0.01806	HDPE	1.41	0.1	2.52	0.18	4.14	0.29
727	ST-MAI-666	1.5	0	1	CIRCULAR	0.03489	HDPE	1.4	0.07	2.5	0.13	4.11	0.21
728	ST-MAI-667	2	0	1	CIRCULAR	0.00705	HDPE	9.18	0.48	15.57	0.82	17.59	0.93
729	ST-MAI-668	1	0	1	CIRCULAR	0.1717	HDPE	1.22	0.08	2.12	0.14	4.25	0.29
730	ST-MAI-669	1	0	1	CIRCULAR	0.02095	HDPE	6.02	1.17	6.07	1.18	6.1	1.18
15	ST-MAI-67	1.75	0	1	CIRCULAR	0.09901	RCP	10.56	0.21	18.47	0.37	31.75	0.64
731	ST-MAI-670	1.5	0	1	CIRCULAR	0.01308	RCP	5.75	0.48	11.13	0.93	12.23	1.02
732	ST-MAI-671	1	0	1	CIRCULAR	0.05481	ABS	2.41	0.29	4.78	0.57	5.24	0.63
733	ST-MAI-672	1.5	0	1	CIRCULAR	0.01369	RCP	3.22	0.26	5.78	0.47	9.65	0.79
734	ST-MAI-673	1.5	0	1	CIRCULAR	0.01785	CMP	3.2	0.42	5.72	0.75	9.78	1.29
735	ST-MAI-674	2	0	1	CIRCULAR	0.02373	CMP	9.56	0.51	17.21	0.91	24.72	1.31
736	ST-MAI-675	1.5	0	1	CIRCULAR	0.02559	RCP	2.6	0.15	4.56	0.27	7.42	0.44
737	ST-MAI-676	2.5	0	1	CIRCULAR	0.02648	RCP	21.75	0.33	38.8	0.58	60.67	0.91
738	ST-MAI-677	2.5	0	1	CIRCULAR	0.03535	RCP	21.72	0.28	38.52	0.5	59.58	0.77
739	ST-MAI-678	2.5	0	1	CIRCULAR	0.00714	RCP	21.64	0.62	37.99	1.1	47.55	1.37
740	ST-MAI-679	2.5	0	1	CIRCULAR	0.00711	RCP	45.53	1.32	43.79	1.27	38.87	1.12
741	ST-MAI-680	3	0	1	CIRCULAR	0.02089	RCP	46.51	0.48	46.49	0.48	44.87	0.47
117	ST-MAI-681	1.5	0	1	CIRCULAR	0.00819	CMP	1.48	0.29	2.61	0.51	4.36	0.85
118	ST-MAI-682	1.5	0	1	CIRCULAR	0.00287	CMP	2.13	0.7	3.78	1.24	6.24	2.05
119	ST-MAI-683	1	3	1	RECT_CLOSED	-0.004	RCB	2.7	0.24	4.51	0.4	6.32	0.56
120	ST-MAI-686	1.5	0	1	CIRCULAR	0.03087	HDPE	3.72	0.2	6.14	0.33	7.22	0.39
121	ST-MAI-687	3.5	0	1	CIRCULAR	0.0312	CMP	0.06	0	0.09	0	0.14	0
122	ST-MAI-688	3.5	0	1	CIRCULAR	0.03948	RCP	11.45	0.06	20.43	0.1	35.14	0.18
507	ST-MAI-69_1	5.5	0	1	CIRCULAR	0.00689	RCP	42.05	0.15	68.41	0.25	131.28	0.47
508	ST-MAI-69_2	5.5	0	1	CIRCULAR	0.00689	RCP	184.26	0.66	295.24	1.06	294.5	1.06
123	ST-MAI-690	1.5	0	1	CIRCULAR	0.03258	RCP	3.39	0.18	6.56	0.35	10.46	0.55
126	ST-MAI-694	1	0	1	CIRCULAR	0.00581	ABS	0.58	0.21	0.86	0.32	1.96	0.72
127	ST-MAI-695	1	0	1	CIRCULAR	0.00402	ABS	3.28	1.45	4.92	2.18	5.11	2.26
128	ST-MAI-696	1	0	1	CIRCULAR	0.04015	ABS	5.02	0.7	4.75	0.67	4.54	0.64
129	ST-MAI-697	1.5	0	1	CIRCULAR	0.00851	RCP	7.64	0.79	9.25	0.95	10.09	1.04
130	ST-MAI-698	1	0	1	CIRCULAR	0.0111	HDPE	6.62	1.76	6.73	1.79	6.83	1.82
131	ST-MAI-700	1.5	0	1	CIRCULAR	0.01417	RCP	2.35	0.19	4.08	0.33	6.78	0.54
132	ST-MAI-701	1.5	0	1	CIRCULAR	0.05023	CMP	7.37	0.31	8.33	0.35	8.34	0.35
133	ST-MAI-702	2.5	0	1	CIRCULAR	0.01482	RCP	10.29	0.21	24.28	0.49	32.8	0.66
742	ST-MAI-707	1	0	1	CIRCULAR	0.01031	RCP	3.5	0.97	4.45	1.23	4.52	1.25
743	ST-MAI-708	1	0	1	CIRCULAR	0.01128	HDPE	4.58	1.21	4.62	1.22	4.67	1.23
16	ST-MAI-70a	3	0	1	CIRCULAR	0.0586	RCP	0.97	0.01	1.61	0.01	2.59	0.02
17	ST-MAI-71	1.5	0	1	CIRCULAR	0.08646	RCP	15.7	0.51	28.2	0.91	33.14	1.07
532	ST-MAI-713	2	0	1	CIRCULAR	0.00692	RCP	10.31	0.55	18.69	0.99	26.7	1.42
533	ST-MAI-714	2	0	1	CIRCULAR	0.03404	RCP	18.53	0.44	33.11	0.79	44.73	1.07
534	ST-MAI-715	2	0	1	CIRCULAR	0.03487	RCP	21	0.5	37.26	0.88	48.79	1.16
535	ST-MAI-716	1	0	1	CIRCULAR	0.07551	ABS	1.58	0.16	2.82	0.29	4.68	0.48
536	ST-MAI-717	1.25	0	1	CIRCULAR	0.23812	CMP	0.48	0.02	0.81	0.03	1.28	0.04
537	ST-MAI-718a	4	0	1	CIRCULAR	0.01979	RCP	33.52	0.17	61.6	0.3	94.9	0.47
547	ST-MAI-718b	4	0	1	CIRCULAR	0.01982	RCP	33.6	0.17	61.71	0.31	96.69	0.48
18	ST-MAI-72	2	0	1	CIRCULAR	0.10128	CONC	4.13	0.06	6.81	0.09	11.02	0.15
744	ST-MAI-724	3	0	1	CIRCULAR	0.00692	RCP	15.28	0.28	27.54	0.5	46	0.83
745	ST-MAI-725	3	0	1	CIRCULAR	0.0085	RCP	15.27	0.25	27.46	0.45	45.99	0.75
746	ST-MAI-726	1.5	0	1	CIRCULAR	0.05279	RCP	1.59	0.07	2.84	0.12	4.76	0.2
747	ST-MAI-727	3	0	1	CIRCULAR	0.05562	RCP	17.35	0.11	31.42	0.2	52.94	0.34
748	ST-MAI-728	3	0	1	CIRCULAR	0.00673	RCP	21.28	0.39	39.21	0.72	68.66	1.25
749	ST-MAI-729	3	0	1	CIRCULAR	0.03092	RCP	23.53	0.2	43.24	0.37	75.25	0.64
19	ST-MAI-73	3.5	0	1	CIRCULAR	0.02696	RCP	23.36	0.14	41.45	0.25	56.75	0.34
750	ST-MAI-730	3	0	1	CIRCULAR	0.08306	RCP	28.93	0.15	52.93	0.28	91.74	0.48
751	ST-MAI-731	3	0	1	CIRCULAR	0.02342	RCP	33.3	0.33	60.33	0.59	104.13	1.02
752	ST-MAI-732	1	0	1	CIRCULAR	0.16796	RCP	0.12	0.01	0.18	0.01	0.28	0.02
753	ST-MAI-733	2	0	1	CIRCULAR	0.01787	RCP	9.36	0.31	16.47	0.54	25.02	0.83
754	ST-MAI-734	1	0	1	CIRCULAR	0.3433	RCP	0.28	0.01	0.45	0.02	0.71	0.03
755	ST-MAI-735	6	0	1	CIRCULAR	0.00529	RCP	20.64	0.07	56.36	0.18	183.7	0.6
756	ST-MAI-736	3.5	0	2	CIRCULAR	0.01888	RCP	187.16	0.68	254.56	0.92	236.77	0.86
757	ST-MAI-738	3.5	0	2	CIRCULAR	0.01451	RCP	116.96	0.48	183.26	0.76	247.79	1.02
758	ST-MAI-739	2.5	0	2	CIRCULAR	0.03771	RCP	18.94	0.12	29.07	0.18	32.64	0.2
20	ST-MAI-74	6	0	1	CIRCULAR	0.01415	RCP	103.63	0.21	207.96	0.41	271.99	0.54
759	ST-MAI-740	3.25	0	1	CIRCULAR	0.0385	RCP	29.86	0.18	58.39	0.36	88.73	0.55
760	ST-MAI-741	8	0	1	CIRCULAR	0.00408	RCP	158.17	0.27	311.08	0.53	596.5	1.02
538	ST-MAI-743	3.5	0	1	CIRCULAR	0.01089	RCP	59.58	0.57	103.33	0.98	134.14	1.28
539	ST-MAI-744	1.5	0	1	CIRCULAR	0.01124	RCP	3.09	0.28	5.44	0.49	9.34	0.84

Proposed Condition Storm Drain Results Summary Table

Conveyance Info		Dimensions						2-year		10-year		100-year	
Facility ID	Name	D' or H' (diameter) or (height)	B' (width)	Barrels	Shape	Slope (ft/ft)	Material	Q_{con} (2-year) (cfs)	Qcon vs Qcap3	Q_{con} (10-year) (cfs)	Qcon vs Qcap32	Q_{con} (100-year) (cfs)	Qcon vs Qcap7
540	ST-MAI-745	2	0	1	CIRCULAR	0.0107	CMP	9.26	0.4	16.31	0.7	24.84	1.06
541	ST-MAI-746	1.5	0	1	CIRCULAR	0.07895	RCP	2.54	0.09	4.51	0.15	7.48	0.25
542	ST-MAI-747a	4	0	1	CIRCULAR	0.01978	RCP	36.31	0.18	67.88	0.34	102.3	0.51
545	ST-MAI-747b	4	0	1	CIRCULAR	0.01978	RCP	37.09	0.18	68.29	0.34	106.69	0.53
543	ST-MAI-748	1	0	1	CIRCULAR	0.04044	HDPE	3.39	0.47	4.41	0.62	4.91	0.69
544	ST-MAI-750	4	0	1	CIRCULAR	0.01978	RCP	40.47	0.2	76.13	0.38	118.13	0.58
761	ST-MAI-753	4.5	0	1	CIRCULAR	0.01947	RCP	180.58	0.66	311.15	1.13	354.37	1.29
762	ST-MAI-755	4.5	0	1	CIRCULAR	0.02089	RCP	180.48	0.63	311.21	1.09	356.98	1.26
763	ST-MAI-756	2	0	1	CIRCULAR	0.03843	RCP	1.18	0.03	2.03	0.05	4.17	0.09
764	ST-MAI-757	6	0	1	CIRCULAR	0.00764	RCP	185.65	0.5	325.33	0.88	485.48	1.31
765	ST-MAI-758	1.5	0	1	CIRCULAR	0.04813	HDPE	6.98	0.3	12.52	0.54	19.95	0.87
766	ST-MAI-759	2	0	1	CIRCULAR	0.01396	HDPE	10.27	0.38	18.42	0.69	33.82	1.27
767	ST-MAI-760	1	0	1	CIRCULAR	0.02166	CONC	3.27	0.62	4.63	0.88	3.7	0.71
768	ST-MAI-761	2	0	1	CIRCULAR	0.19098	HDPE	13.91	0.14	14.34	0.15	26.02	0.26
769	ST-MAI-762	1.5	0	1	CIRCULAR	0.00587	RCP	3.41	0.42	7.51	0.93	9.37	1.16
770	ST-MAI-763	1.5	0	1	CIRCULAR	0.0167	ABS	7.28	0.54	9.86	0.73	10.48	0.77
771	ST-MAI-764	1	0	1	CIRCULAR	0.00621	HDPE	1.27	0.45	2.24	0.8	3.37	1.2
772	ST-MAI-765	1	0	1	CIRCULAR	0.03881	HDPE	3.05	0.43	5.44	0.77	7.96	1.13
828	ST-MAI-768	3	0	1	CIRCULAR	0.06375	RCP	44.03	1.21	44.66	1.22	44.61	1.22
773	ST-MAI-772	1	0	1	CIRCULAR	0.0075	RCP	0.66	0.21	1.18	0.38	1.96	0.63
774	ST-MAI-773	2	0	1	CIRCULAR	0.00304	RCP	3.24	0.26	5.78	0.46	10.01	0.8
134	ST-MAI-775	1.5	0	1	CIRCULAR	0.07777	RCP	6.57	0.22	13.01	0.44	27.33	0.93
135	ST-MAI-776	2.5	0	1	CIRCULAR	0.05451	RCP	27.04	0.28	40.1	0.42	53.11	0.55
136	ST-MAI-777	2.5	0	1	CIRCULAR	0.03714	RCP	28.19	0.36	43.61	0.55	57.63	0.73
137	ST-MAI-779	1.5	0	1	CIRCULAR	0.01976	RCP	1	0.07	1.93	0.13	3.08	0.21
23	ST-MAI-78	2.5	0	1	CIRCULAR	0.08056	CONC	3.92	0.03	12.38	0.11	28.8	0.25
138	ST-MAI-780	2.5	0	1	CIRCULAR	0.00486	RCP	28.36	0.99	45.99	1.61	55.2	1.93
139	ST-MAI-781	4	0	1	CIRCULAR	0.04831	RCP	43.54	0.14	65.08	0.21	100.75	0.32
140	ST-MAI-782	4	0	1	CIRCULAR	0.00818	RCP	28.08	0.22	42.89	0.33	57.01	0.44
141	ST-MAI-783	6.5	0	1	CIRCULAR	0.00854	RCP	375.28	0.77	617.42	1.27	701.86	1.45
142	ST-MAI-784	1.5	0	1	CIRCULAR	0.11696	RCP	9.02	0.25	15.57	0.43	38.24	1.06
143	ST-MAI-785	2	0	1	CIRCULAR	0.29333	CMP	0.16	0	0.25	0	1.55	0.02
144	ST-MAI-786	6.5	0	1	CIRCULAR	0.00849	RCP	219.74	0.45	329.47	0.68	368.25	0.76
145	ST-MAI-787	6.5	0	1	CIRCULAR	0.01041	RCP	156.46	0.29	256.18	0.48	307.32	0.57
146	ST-MAI-788	6.5	0	1	CIRCULAR	0.01564	RCP	156.67	0.24	254.35	0.39	306.58	0.47
147	ST-MAI-789	6.5	0	1	CIRCULAR	0.00271	RCP	170.86	0.63	265.03	0.97	326.4	1.19
509	ST-MAI-79_1	3	9	1	RECT_CLOSED	0.03795	RCB	111.94	0.17	254.14	0.39	359.42	0.55
510	ST-MAI-79_2	3	9	1	RECT_CLOSED	0.00141	RCB	80.01	0.64	155.56	1.24	415.69	3.32
148	ST-MAI-790	6.5	0	1	CIRCULAR	0.00716	RCP	166.08	0.37	264.69	0.6	326.54	0.74
149	ST-MAI-791	2	0	1	CIRCULAR	0.05349	RCP	0.42	0.01	0.56	0.01	1.32	0.03
150	ST-MAI-792	2	0	1	CIRCULAR	0.16129	RCP	1.05	0.01	1.6	0.02	2.95	0.03
151	ST-MAI-793	6.5	0	1	CIRCULAR	0.0284	RCP	219.13	0.25	329.4	0.37	372.13	0.42
152	ST-MAI-794	6.5	0	1	CIRCULAR	0.03687	RCP	368.14	0.37	574.87	0.57	643.32	0.64
153	ST-MAI-797	4.5	0	1	CIRCULAR	0.00167	RCP	10.36	0.13	38.32	0.48	60.36	0.75
154	ST-MAI-798	4.5	0	1	CIRCULAR	0.00205	RCP	11.57	0.13	40.28	0.45	61.55	0.69
155	ST-MAI-799	3	0	1	CIRCULAR	0.00355	RCP	7.74	0.19	14.97	0.38	21.57	0.54
555	ST-MAI-7a	2	0	1	CIRCULAR	0.013	HDPE	4.53	0.18	7.7	0.3	12.68	0.49
797	ST-MAI-7b	2	0	1	CIRCULAR	0.01304	HDPE	4.53	0.18	7.69	0.3	12.66	0.49
556	ST-MAI-8	2	0	1	CIRCULAR	0.04507	HDPE	4.52	0.09	7.67	0.16	12.64	0.26
156	ST-MAI-800	6.5	0	1	CIRCULAR	0.01265	RCP	386.15	0.65	589.57	1	698.21	1.18
157	ST-MAI-801	2	0	1	CIRCULAR	0.00496	RCP	3.14	0.2	8.7	0.55	12.5	0.78
158	ST-MAI-802	4	0	1	CIRCULAR	0.0489	RCP	9.34	0.03	11.97	0.04	15.74	0.05
159	ST-MAI-804	1.5	0	1	CIRCULAR	0.01039	RCP	0.56	0.05	2.02	0.19	7.45	0.7
160	ST-MAI-805	4.5	0	1	CIRCULAR	0.00166	RCP	13.38	0.17	38.97	0.49	67.26	0.84
161	ST-MAI-806	4	0	1	CIRCULAR	0.01482	RCP	63.35	0.36	106.49	0.61	177.07	1.01
162	ST-MAI-807	4	0	1	CIRCULAR	0.31215	RCP	63.34	0.08	106.49	0.13	178.91	0.22
163	ST-MAI-808	2	0	1	CIRCULAR	0.03407	HDPE	3.46	0.08	5.66	0.14	8.94	0.21
164	ST-MAI-809	2.5	0	1	CIRCULAR	0.05257	RCP	29.11	0.31	49.03	0.52	80.63	0.86
24	ST-MAI-81	3	0	1	CIRCULAR	0.07351	RCP	32.15	0.18	47.56	0.26	69.91	0.39
165	ST-MAI-810	5	0	2	CIRCULAR	0.01172	RCP	24.04	0.04	49.96	0.09	152.55	0.27
166	ST-MAI-811	5	0	2	CIRCULAR	0.0071	RCP	199.05	0.45	352.08	0.8	408.47	0.93
167	ST-MAI-812	5	0	2	CIRCULAR	0.01882	RCP	263.28	0.37	496.96	0.7	561.24	0.79
168	ST-MAI-819	6	0	1	CIRCULAR	0.00941	RCP	310.9	0.76	462.45	1.13	482.18	1.17
169	ST-MAI-820	1.5	0	1	CIRCULAR	0.05896	RCP	13.35	0.52	22.38	0.88	24.7	0.97
170	ST-MAI-821	1	0	1	CIRCULAR	0.01495	ABS	0.78	0.18	1.27	0.29	1.97	0.45
171	ST-MAI-822	6	0	1	CIRCULAR	0.00877	RCP	316.91	0.8	495.78	1.25	527.71	1.33
172	ST-MAI-823	6	0	1	CIRCULAR	0.01026	RCP	319.4	0.74	498.37	1.16	531.59	1.24
173	ST-MAI-824	6	0	1	CIRCULAR	0.03387	RCP	310.57	0.4	462.82	0.59	475.8	0.61
174	ST-MAI-825	2	0	1	CIRCULAR	0.0095	CMP	2.27	0.19	3.8	0.32	13.74	1.15
175	ST-MAI-826	1.5	0	1	CIRCULAR	0.01692	RCP	6.59	0.48	11.43	0.84	13.85	1.01

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Proposed Condition Storm Drain Results Summary Table

Conveyance Info		Dimensions						2-year		10-year		100-year	
Facility ID	Name	D' or H' (diameter) or (height)	B' (width)	Barrels	Shape	Slope (ft/ft)	Material	Q_{con} (2-year) (cfs)	Qcon vs Qcap3	Q_{con} (10-year) (cfs)	Qcon vs Qcap32	Q_{con} (100-year) (cfs)	Qcon vs Qcap7
176	ST-MAI-827	1	0	1	CIRCULAR	0.05965	ABS	0.93	0.11	1.48	0.17	2.38	0.27
177	ST-MAI-828	2.5	0	1	CIRCULAR	0.00988	RCP	5.71	0.14	11.9	0.29	25.66	0.63
178	ST-MAI-829	1.5	0	1	CIRCULAR	0.04842	CMP	7.52	0.6	12.25	0.98	11.72	0.94
179	ST-MAI-830	1.5	0	1	CIRCULAR	0.07663	CMP	21.89	1.39	22.38	1.42	22.52	1.43
180	ST-MAI-831	3	4.6	1	CIRCULAR	0.00429	RCP	53.7	1.23	60.37	1.38	60.53	1.39
181	ST-MAI-832	2.5	0	1	CIRCULAR	0.03133	RCP	20.85	0.29	36.26	0.5	65.94	0.91
182	ST-MAI-833	1.5	0	1	CIRCULAR	0.02019	CMP	1.44	0.1	2.33	0.16	25.74	1.72
183	ST-MAI-834	2.5	0	1	CIRCULAR	0.03182	RCP	11.99	0.16	21.96	0.3	39.46	0.54
184	ST-MAI-835	2.5	0	1	CIRCULAR	0.02222	RCP	15.4	0.25	28.46	0.47	51.88	0.85
185	ST-MAI-836	2	0	1	CIRCULAR	0.02762	RCP	19.59	0.52	34.69	0.92	41.89	1.11
186	ST-MAI-837	2.5	0	1	CIRCULAR	0.02196	RCP	1.28	0.02	2.09	0.03	18.82	0.31
187	ST-MAI-838	1.5	0	1	CIRCULAR	0.01657	RCP	4.56	0.34	7.89	0.58	13.17	0.97
188	ST-MAI-839	2	0	1	CIRCULAR	0.01262	RCP	15.11	0.59	26.86	1.06	36.15	1.42
26	ST-MAI-84	1.5	0	1	CIRCULAR	0.08025	CMP	3.38	0.21	6.24	0.39	10.44	0.65
189	ST-MAI-840	3	0	1	CIRCULAR	0.02419	RCP	67.79	0.65	91.09	0.88	99.77	0.96
190	ST-MAI-841	3	0	1	CIRCULAR	0.05238	RCP	68.2	0.45	92.86	0.61	102.15	0.67
191	ST-MAI-842	5	0	1	CIRCULAR	0.00207	RCP	127.1	1.07	183.98	1.55	207.86	1.75
192	ST-MAI-843	1.25	0	1	CIRCULAR	0.10592	RCP	1.08	0.05	0.88	0.04	1.54	0.07
193	ST-MAI-844	5	0	1	CIRCULAR	0.01039	CMP	126.26	0.48	183.44	0.69	207.3	0.78
194	ST-MAI-845	2.5	0	1	CIRCULAR	0.00174	RCP	59.96	3.51	78.23	4.58	83.19	4.87
195	ST-MAI-846	2.5	0	1	CIRCULAR	0.02646	RCP	59.95	0.9	78.57	1.18	83.32	1.25
196	ST-MAI-847	3	0	1	CIRCULAR	0.03132	RCP	67.57	0.57	90.69	0.77	100.73	0.85
197	ST-MAI-848	3	0	1	CIRCULAR	0.04937	RCP	8.13	0.05	13.49	0.09	21.88	0.15
198	ST-MAI-849	1	0	1	CIRCULAR	0.07018	HDPE	0.96	0.1	1.52	0.16	2.41	0.26
27	ST-MAI-85	6.5	0	1	CIRCULAR	0.00966	RCP	317.33	0.62	486.52	0.94	525.63	1.02
199	ST-MAI-850	1	0	1	CIRCULAR	0.03732	HDPE	0.63	0.09	1.01	0.15	1.71	0.25
200	ST-MAI-851	3	0	1	CIRCULAR	0.00527	RCP	9.46	0.2	17.8	0.37	28.42	0.59
201	ST-MAI-852	5	0	1	CIRCULAR	0.01672	RCP	112.98	0.34	216.95	0.64	297.32	0.88
202	ST-MAI-853	3.5	0	1	CIRCULAR	0.55138	RCP	0.79	0	1.31	0	2.11	0
203	ST-MAI-854	6	0	1	CIRCULAR	0.02255	RCP	107.16	0.17	207.85	0.33	280.92	0.44
204	ST-MAI-855	2.5	0	1	CIRCULAR	0.05594	RCP	3.9	0.04	6.48	0.07	10.45	0.11
205	ST-MAI-857	2	0	1	CIRCULAR	0.07201	HDPE	3.65	0.06	6.06	0.1	9.76	0.16
206	ST-MAI-858	2.5	0	1	CIRCULAR	0.00685	RCP	6.78	0.2	14.89	0.44	37.57	1.11
515	ST-MAI-86	2.75	0	1	CIRCULAR	0.02432	CMP	15.27	0.34	29.44	0.66	40.02	0.9
208	ST-MAI-862	1.5	0	1	CIRCULAR	0.04093	RCP	10.27	0.48	22.81	1.07	22.73	1.07
210	ST-MAI-864	1.5	0	1	CIRCULAR	0.16428	CMP	3.43	0.15	6.14	0.27	10.61	0.46
212	ST-MAI-865	5	0	1	CIRCULAR	0.00306	RCP	79.78	0.55	174.84	1.21	216.06	1.5
916	ST-MAI-866	1.5	0	1	CIRCULAR	0.05426	RCP	6.09	0.25	10.25	0.42	16.63	0.68
1135	ST-MAI-867	1.5	0	1	CIRCULAR	0.05762	CMP	2.8	0.2	4.45	0.33	7	0.51
548	ST-MAI-868	1	0	1	CIRCULAR	0.0673	CONC	0.7	0.11	1.2	0.19	1.92	0.3
485	ST-MAI-869	2.5	0	1	CIRCULAR	0.03394	CONC	10.28	0.14	23.28	0.31	32.67	0.43
860	ST-MAI-87	4	0	1	CIRCULAR	0.03621	RCP	119.53	0.44	165.45	0.61	185.24	0.68
211	ST-MAI-876	2	0	1	CIRCULAR	0.06139	RCP	9.23	0.16	18.73	0.33	38	0.68
776	ST-MAI-879	2	0	1	CIRCULAR	0.1068	RCP	0.17	0	0.27	0	0.41	0.01
28	ST-MAI-88	3	0	1	CIRCULAR	0.01235	CONC	8.96	0.12	14.77	0.2	24.53	0.33
1133	ST-MAI-880	1.5	0	1	CIRCULAR	0.04998	RCP	0.24	0.01	0.43	0.02	0.7	0.03
816	ST-MAI-885	3	0	1	CIRCULAR	0.20008	RCP	2.67	0.01	4.42	0.01	7.66	0.03
213	ST-MAI-889	2.5	0	1	CIRCULAR	0.07002	CONC	23.12	0.21	31.21	0.29	38.51	0.35
214	ST-MAI-890	2.5	0	1	CIRCULAR	0.04492	CONC	21.65	0.25	28.73	0.33	34.37	0.4
215	ST-MAI-895	2.5	0	1	CIRCULAR	0.02864	RCP	16.38	0.24	29.29	0.42	48.91	0.7
557	ST-MAI-9	1.5	0	1	CIRCULAR	0.01469	HDPE	4.01	0.32	6.87	0.54	11.24	0.88
1009	ST-MAI-90	2.5	0	1	CIRCULAR	0.02426	RCP	24.53	0.38	41.21	0.65	58.01	0.91
778	ST-MAI-909	1.5	0	1	CIRCULAR	0.10623	RCP	4.3	0.13	7.73	0.23	13.23	0.39
1010	ST-MAI-91	2.5	0	1	CIRCULAR	0.04233	RCP	24.28	0.29	40.64	0.48	56.95	0.67
779	ST-MAI-910	1.5	0	1	CIRCULAR	0.08841	RCP	8.48	0.27	14.99	0.48	25.36	0.81
780	ST-MAI-911	1.5	0	1	CIRCULAR	0.08949	RCP	11.01	0.35	19.56	0.62	29.37	0.93
781	ST-MAI-912	1.5	0	1	CIRCULAR	0.07287	RCP	7.19	0.25	12.77	0.45	21.78	0.77
782	ST-MAI-913	3	0	1	CIRCULAR	0.01118	RCP	24.09	0.34	40.91	0.58	51.61	0.73
817	ST-MAI-914	3	0	1	CIRCULAR	0.00616	RCP	23.5	0.45	40.21	0.77	48.22	0.92
783	ST-MAI-915	3	0	1	CIRCULAR	0.01387	RCP	31.04	0.4	44.05	0.56	43.44	0.55
818	ST-MAI-916	2.5	0	1	CIRCULAR	0.01682	RCP	19.18	0.36	33.81	0.64	38.4	0.72
819	ST-MAI-917	1.5	0	1	CIRCULAR	0.10761	RCP	19.02	0.55	33.66	0.98	37.95	1.1
820	ST-MAI-918	1.5	0	1	CIRCULAR	0.01317	RCP	4.47	0.37	7.35	0.61	10.69	0.89
1011	ST-MAI-92	2.5	0	1	CIRCULAR	0.07204	RCP	16.04	0.15	26.78	0.24	34.69	0.32
549	ST-MAI-924	1.5	0	1	CIRCULAR	0.04634	CMP	2.46	0.2	4.39	0.36	7.3	0.6
861	ST-MAI-93	3	0	1	CIRCULAR	0.03611	RCP	42.13	0.33	71.86	0.57	135.81	1.07
835	ST-MAI-932	1.5	0	1	CIRCULAR	0.03346	RCP	2.18	0.11	3.91	0.2	7.06	0.37
516	ST-MAI-95	3	0	1	CIRCULAR	0.00744	RCP	22.29	0.39	39.45	0.69	73.57	1.28
581	ST-MAI-96	4	0	1	CIRCULAR	0.00777	RCP	56.8	0.45	94.47	0.75	170.06	1.34
785	ST-MAI-964	1.5	0	1	CIRCULAR	0.00648	RCP	1.85	0.22	2.85	0.34	4.14	0.49

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Proposed Condition Storm Drain Results Summary Table

Conveyance Info		Dimensions						2-year		10-year		100-year	
Facility ID	Name	D' or H' (diameter) or (height)	B' (width)	Barrels	Shape	Slope (ft/ft)	Material	Q_{con} (2-year) (cfs)	Qcon vs Qcap3	Q_{con} (10-year) (cfs)	Qcon vs Qcap32	Q_{con} (100-year) (cfs)	Qcon vs Qcap7
815	ST-MAI-967	3	0	1	CIRCULAR	0.33922	CMP	19.27	0.09	33.52	0.16	66.42	0.32
582	ST-MAI-97	4	0	1	CIRCULAR	0.02456	RCP	78.07	0.35	131.69	0.59	226.22	1
829	ST-MAI-970	3	0	1	CIRCULAR	0.04727	RCP	44.03	0.3	84.98	0.59	97.88	0.67
1012	ST-MAI-98	1.5	0	1	CIRCULAR	0.10367	RCP	5.26	0.16	8.96	0.26	13.33	0.39
1141	ST-MAI-981	1.5	0	1	CIRCULAR	0.07684	RCP	6.52	0.22	11.27	0.39	17.6	0.6
1142	ST-MAI-982	1.5	0	1	CIRCULAR	0.02637	RCP	6.77	0.4	11.67	0.68	18.05	1.06
1157	ST-MAI-983	2	0	1	CIRCULAR	0.02899	RCP	3.5	0.09	5.69	0.15	9.05	0.24
1143	ST-MAI-984	2	0	1	CIRCULAR	0.00558	RCP	7.04	0.42	12.13	0.72	19.27	1.14
1158	ST-MAI-985	2	0	1	CIRCULAR	0.02137	RCP	7.53	0.23	12.1	0.37	19.2	0.58
583	ST-MAI-99	1	0	1	CIRCULAR	0.05591	AC	3.7	0.44	6.79	0.81	8.11	0.96

Proposed Condition Storm Conveyance Results Summary Table

Conveyance Info		Dimensions						2-year		10-year		100-year	
Facility ID	Name	D' or H' (diameter) or (height)	B' (width)	Barrels	Shape	Slope (ft/ft)	Material	Q_{con} (2-year) (cfs)	Qcon vs Qcap3	Q_{con} (10-year) (cfs)	Qcon vs Qcap3	Q_{con} (100-year) (cfs)	Qcon vs Qcap7
1164	1	1	0	1	CIRCULAR	0.51503	CMP	0	0	0	0	0	0
484	1	30	20	1	RECT_OPEN	0.00662		0	0	0	0	1.89	0
504	68	5	16	1	RECT_CLOSED	0.00155	RCB	617.05	1.12	923.17	1.67	1133.18	2.05
505	69	5	16	1	RECT_CLOSED	0.0104		623.55	0.44	844.35	0.59	990.05	0.69
486	187	2	0	1	CIRCULAR	0.13435	RCP	8.05	0.1	47.38	0.57	62.17	0.75
506	70_CMS	5.5	0	1	CIRCULAR	0.01427	RCP	144.83	0.36	232.19	0.58	262.73	0.66
487	C155_1	0	0	1	IRREGULAR	0.09333	Earthen	4.81	0	8.3	0	13.79	0
551	C232	4	0	1	CIRCULAR	0.08121	RCP	0	0	0	0	8.67	0.02
993	C3277	1	3	1	PARABOLIC	0.27746		1.78	0.02	54.93	0.53	55.03	0.53
1003	C3284	3	8	1	RECT_OPEN	0.28107		6.94	0.02	11.87	0.03	20.49	0.05
994	C3287	3.5	0	3	CIRCULAR	0.03785		289.03	0.49	408.32	0.7	530.33	0.9
1000	C3309	30	30	1	RECT_OPEN	0.00484		0	0	0	0	9.45	0
998	C3309_3	4	8	1	RECT_CLOSED	0.01601	RCB	295.61	0.53	408	0.73	530.3	0.95
999	C3309_4	4	8	1	RECT_CLOSED	0.05066	RCB	296.94	0.3	408.32	0.41	530.32	0.53
995	C3310	30	30	1	RECT_OPEN	0.3131		43.09	0	54.1	0	61.48	0
996	C3311	30	30	1	RECT_OPEN	0.76122		2.01	0	3.34	0	5.54	0
997	C3330	30	30	1	RECT_OPEN	0.01627		260.03	0.01	349.84	0.01	456.83	0.01
1001	C3375	30	30	1	RECT_OPEN	0.0104		0	0	0	0	0.04	0
1159	C389	1.5	0	1	CIRCULAR	0.01571	RCP	1.48	0.11	2.8	0.21	5.09	0.39
1163	C433	3	0	1	CIRCULAR	0.2311	RCP	5.2	0.02	8.27	0.03	12.96	0.04
483	C85	2	20	1	TRAPEZOIDAL	0.01244		25.02	0.13	41.06	0.21	75.06	0.38
1006	CMS_1	3.5	0	1	CIRCULAR	0.02399	RCP	9.17	0.06	16.17	0.1	57.97	0.37
428	ST-MAI-1	5	0	1	CIRCULAR	0.00681	RCB	117.73	0.55	205.8	0.96	259	1.2
1013	ST-MAI-100	2	0	1	CIRCULAR	0.0273	CMP	14.86	0.4	27.16	0.73	40.21	1.08
1014	ST-MAI-101	2	0	1	CIRCULAR	0.0271	RCP	14.63	0.39	25.99	0.7	39.25	1.05
918	ST-MAI-1019	4	0	1	CIRCULAR	0.00832	RCP	45.24	0.35	77.51	0.59	153.56	1.17
1015	ST-MAI-102	1.5	0	1	CIRCULAR	0.08918	RCP	9.73	0.31	18.75	0.6	30.99	0.99
1144	ST-MAI-1027	1	0	1	CIRCULAR	0.10366	Other	0.01	0	0.01	0	0.02	0
1145	ST-MAI-1028	1	0	1	CIRCULAR	0.10304	Other	5.01	0.34	7.89	0.53	12.3	0.83
1146	ST-MAI-1029	1	0	1	CIRCULAR	0.6801	Other	2.81	0.07	4.46	0.12	7.01	0.18
1016	ST-MAI-103	2	0	1	CIRCULAR	0.07777	CMP	8.24	0.24	14.56	0.43	25.16	0.74
1147	ST-MAI-1030	2	0	1	CIRCULAR	0.06256	Concrete	0.71	0.02	1.26	0.03	2.08	0.05
1148	ST-MAI-1031	1	3	1	PARABOLIC	0.01685	Other	0.69	0.03	1.23	0.05	2.04	0.08
1149	ST-MAI-1032	3	0	1	CIRCULAR	0.01072	Concrete	11.34	0.16	19.95	0.29	33.52	0.49
1150	ST-MAI-1033	3	0	1	CIRCULAR	0.00597	Concrete	15.43	0.3	26.86	0.52	44.87	0.87
1151	ST-MAI-1034	1	3	1	PARABOLIC	0.13008	Other	15.79	0.22	27.82	0.39	46.54	0.66
1162	ST-MAI-1035	2	0	1	CIRCULAR	0.0109	Other	15.62	0.66	26.7	1.13	46.54	1.97
1155	ST-MAI-1036_1	2	0	1	CIRCULAR	0.00912	Concrete	0.59	0.02	1.47	0.05	1.94	0.07
1156	ST-MAI-1036_2	1	3	1	PARABOLIC	0.03543	Other	0.59	0.02	1.21	0.03	1.93	0.05
1017	ST-MAI-104	2	0	1	CIRCULAR	0.00314	CMP	2.51	0.37	3.92	0.57	6.08	0.89
218	ST-MAI-1043	2	0	1	CIRCULAR	0.03297	CONC	0	0	0	0	1.72	0.04
219	ST-MAI-1044	2	0	1	CIRCULAR	0.05453	CONC	0	0	0	0	4.05	0.08
862	ST-MAI-105	3.5	0	1	CIRCULAR	0.02442	RCP	12.78	0.08	22.17	0.14	37.89	0.24
919	ST-MAI-1051	2	0	1	CIRCULAR	0.01107	CONC	7.28	0.31	12.58	0.53	19.54	0.82
920	ST-MAI-1052	2	0	1	CIRCULAR	0.00682	CONC	2.66	0.14	4.4	0.24	8.02	0.43
921	ST-MAI-1053	2	0	1	CIRCULAR	0.00684	CONC	2.95	0.16	4.82	0.26	7.88	0.42
922	ST-MAI-1054	2	0	1	CIRCULAR	0.00871	CONC	2.58	0.12	4.28	0.2	8.37	0.4
923	ST-MAI-1055	2	0	1	CIRCULAR	0.00682	CONC	5.47	0.29	8.96	0.48	14.83	0.79
924	ST-MAI-1056	2	0	1	CIRCULAR	0.01281	CONC	7.69	0.3	13.2	0.52	19.73	0.77
925	ST-MAI-1057	1	0	1	CIRCULAR	0.00788	CONC	0.93	0.29	1.47	0.46	3.79	1.2
926	ST-MAI-1058	2.5	0	1	CIRCULAR	0.00683	CONC	14.19	0.42	23.93	0.71	28.79	0.85
927	ST-MAI-1059	1.5	0	1	CIRCULAR	0.08322	CONC	1.09	0.04	1.69	0.06	2.6	0.09
863	ST-MAI-106	2.5	0	3	CIRCULAR	0.01994	RCP	45.23	0.26	77.41	0.45	142.71	0.82
928	ST-MAI-1060	1.5	0	1	CIRCULAR	0.00648	CONC	1.61	0.19	2.59	0.31	9.01	1.07
929	ST-MAI-1061	2.5	0	1	CIRCULAR	0.00759	CONC	18.71	0.52	30.4	0.85	29.15	0.82
930	ST-MAI-1062	2	0	1	CIRCULAR	0.07643	CONC	1.72	0.03	2.68	0.04	5.64	0.09
931	ST-MAI-1063	2	0	1	CIRCULAR	0.00619	CONC	1.21	0.07	1.87	0.1	15.02	0.84
932	ST-MAI-1064	2	0	1	CIRCULAR	0.09982	CONC	28.83	0.4	50.59	0.71	61.73	0.86
933	ST-MAI-1065	3.5	0	1	CIRCULAR	0.00565	CONC	22.15	0.29	34.27	0.45	34.58	0.46
934	ST-MAI-1066	3.5	0	1	CIRCULAR	0.00683	CONC	47.66	0.57	73.4	0.88	71.69	0.86
935	ST-MAI-1067	2	0	1	CIRCULAR	0.0778	CONC	13.08	0.21	25.15	0.4	45.83	0.73
936	ST-MAI-1068	2	0	1	CIRCULAR	0.3288	CONC	13.1	0.1	25.55	0.2	48.53	0.37
937	ST-MAI-1069	2	0	1	CIRCULAR	0.03638	CONC	13.1	0.3	25.56	0.59	48.68	1.13
864	ST-MAI-107	3	0	1	CIRCULAR	0.01441	RCP	15.28	0.19	26.69	0.33	45.4	0.57
938	ST-MAI-1070	4	0	1	CIRCULAR	0.00683	CONC	61.62	0.52	88.24	0.74	121.74	1.03
939	ST-MAI-1071	4	0	1	CIRCULAR	0.00778	CONC	65.78	0.52	87.78	0.69	130.94	1.03

Proposed Condition Storm Conveyance Results Summary Table

Conveyance Info		Dimensions						2-year		10-year		100-year	
Facility ID	Name	D' or H' (diameter) or (height)	B' (width)	Barrels	Shape	Slope (ft/ft)	Material	Q_{con} (2-year) (cfs)	Qcon vs Qcap3	Q_{con} (10-year) (cfs)	Qcon vs Qcap3	Q_{con} (100-year) (cfs)	Qcon vs Qcap7
940	ST-MAI-1072	2.5	0	1	CIRCULAR	0.03688	CONC	36.12	0.46	71.61	0.91	76.62	0.97
220	ST-MAI-1073	1.5	0	1	CIRCULAR	0.49848	CONC	0	0	0	0	0	0
221	ST-MAI-1074	2	0	1	CIRCULAR	0.1602	RCP	12.51	0.14	21.86	0.24	36.51	0.4
222	ST-MAI-1075	2	0	1	CIRCULAR	0.11358	RCP	13.6	0.18	23.96	0.31	40.03	0.53
223	ST-MAI-1076	4	0	1	CIRCULAR	0.0126	RCP	52.51	0.33	92.91	0.58	129.39	0.8
224	ST-MAI-1077	5	0	1	CIRCULAR	0.00215	RCP	54.06	0.45	94.77	0.79	134.44	1.11
225	ST-MAI-1079	2	0	1	CIRCULAR	0.23773	CONC	1.63	0.01	2.79	0.03	4.71	0.04
227	ST-MAI-1080	2	0	1	CIRCULAR	0.26307	CONC	0.91	0.01	1.52	0.01	2.48	0.02
481	ST-MAI-1081	0	0	1	IRREGULAR	0.49541	Other	0	0	0	0	0	0
228	ST-MAI-1082	2	0	1	CIRCULAR	0.28416	CONC	1.07	0.01	1.83	0.02	3.06	0.03
229	ST-MAI-1084	1.5	0	1	CIRCULAR	0.01915	RCP	1.31	0.09	2.33	0.16	3.97	0.27
230	ST-MAI-1085	1.5	0	1	CIRCULAR	0.08175	RCP	2.56	0.09	4.48	0.15	7.53	0.25
231	ST-MAI-1086	1.5	0	1	CIRCULAR	0.0997	RCP	2.55	0.08	4.46	0.13	7.5	0.23
232	ST-MAI-1087	1.5	0	1	CIRCULAR	0.03039	RCP	2.51	0.14	4.4	0.24	7.4	0.4
233	ST-MAI-1088	1.5	0	1	CIRCULAR	0.01047	RCP	3.21	0.3	5.53	0.51	8.52	0.79
234	ST-MAI-1089	1.5	0	1	CIRCULAR	0.01185	RCP	3.46	0.3	5.91	0.52	9.86	0.86
865	ST-MAI-109	2.75	0	1	CIRCULAR	0.02737	RCP	20.59	0.24	34.04	0.39	77.88	0.89
235	ST-MAI-1090	1.5	0	1	CIRCULAR	0.02159	RCP	6.4	0.41	11.01	0.71	13.65	0.88
236	ST-MAI-1091	1.5	0	1	CIRCULAR	0.12254	RCP	1.26	0.03	2.11	0.06	3.38	0.09
237	ST-MAI-1092	1.5	0	1	CIRCULAR	0.00459	RCP	5.43	0.76	8.78	1.23	14.31	2.01
238	ST-MAI-1093	1.5	0	1	CIRCULAR	0.05928	RCP	12.79	0.5	20.74	0.81	25.14	0.98
239	ST-MAI-1094	1.5	0	1	CIRCULAR	0.00862	RCP	11.88	1.22	15.24	1.56	14.83	1.52
240	ST-MAI-1095	1.5	0	1	CIRCULAR	0.02045	RCP	12.92	0.86	15.99	1.06	15.38	1.02
241	ST-MAI-1096	1.5	0	1	CIRCULAR	0.0199	RCP	12.93	0.87	14.86	1	14.45	0.98
242	ST-MAI-1097	1.5	0	1	CIRCULAR	0.00852	RCP	0.55	0.06	3.5	0.36	2.89	0.3
243	ST-MAI-1098	1.5	0	1	CIRCULAR	0.08713	RCP	1.12	0.04	2.99	0.1	2.94	0.09
244	ST-MAI-1099	1.5	0	1	CIRCULAR	0.01599	RCP	2.3	0.17	4.16	0.31	4.13	0.31
866	ST-MAI-110	3.5	0	1	CIRCULAR	0.02105	RCP	112.84	0.77	157.28	1.08	170.52	1.17
245	ST-MAI-1100	1.5	0	1	CIRCULAR	0.01148	RCP	4.64	0.41	9.08	0.81	12.93	1.15
246	ST-MAI-1101	1.5	0	1	CIRCULAR	0.08919	RCP	18.4	0.59	22.31	0.71	22.21	0.71
247	ST-MAI-1102	1.5	0	1	CIRCULAR	0.02806	RCP	20.09	1.14	25.42	1.44	29.27	1.66
248	ST-MAI-1103	2	0	1	CIRCULAR	0.28995	RCP	20.99	0.17	27.07	0.22	41.83	0.34
249	ST-MAI-1104	1	3	1	PARABOLIC	0.14718	Concrete	1.65	0.03	2.26	0.04	3.84	0.07
251	ST-MAI-1105	2.5	0	1	CIRCULAR	0.0249	CONC	23.94	0.37	35.02	0.54	44.78	0.69
252	ST-MAI-1106	1.5	0	1	CIRCULAR	0.00374	CONC	1.61	0.25	2.69	0.42	4.45	0.69
253	ST-MAI-1107	1.5	0	1	CIRCULAR	0.25101	CONC	1.93	0.04	3.15	0.06	5.06	0.1
941	ST-MAI-1108	2	0	1	CIRCULAR	0.07585	CONC	12.79	0.21	25.03	0.4	47.88	0.77
942	ST-MAI-1110	2	0	1	CIRCULAR	0.01	RCP	1.94	0.09	3.25	0.14	5.22	0.23
943	ST-MAI-1111	2	0	1	CIRCULAR	0.00913	RCP	4.1	0.19	6.62	0.31	10.53	0.49
944	ST-MAI-1112	2	0	1	CIRCULAR	0.08003	RCP	2.26	0.04	3.56	0.06	5.56	0.09
945	ST-MAI-1113	2	0	1	CIRCULAR	0.06722	RCP	2.27	0.04	3.57	0.06	5.58	0.1
946	ST-MAI-1114	2	0	1	CIRCULAR	0.50682	RCP	0.27	0	0.42	0	0.65	0
947	ST-MAI-1115	2	0	1	CIRCULAR	0.06722	RCP	2.02	0.03	3.18	0.05	4.96	0.08
948	ST-MAI-1116	2	0	1	CIRCULAR	0.06722	RCP	0.78	0.01	1.22	0.02	1.89	0.03
949	ST-MAI-1117	2	0	1	CIRCULAR	0.04271	RCP	0.53	0.01	0.85	0.02	1.36	0.03
950	ST-MAI-1118	2	0	1	CIRCULAR	0.05805	RCP	0.69	0.01	1.1	0.02	1.73	0.03
867	ST-MAI-112	3	0	1	CIRCULAR	0.01895	RCP	4.9	0.05	8.36	0.09	18.75	0.2
951	ST-MAI-1120	4	0	1	CIRCULAR	0.0126	CONC	63.83	0.4	86.94	0.54	87.13	0.54
254	ST-MAI-1121	2	0	1	CIRCULAR	0.05673	CONC	0.26	0	0.41	0.01	0.63	0.01
255	ST-MAI-1122	2	0	1	CIRCULAR	0.0063	CONC	2.73	0.15	4.44	0.25	7.09	0.39
256	ST-MAI-1123	2	0	1	CIRCULAR	0.00813	CONC	0.32	0.02	0.5	0.02	0.8	0.04
257	ST-MAI-1124	2	0	1	CIRCULAR	0.28118	CONC	0.31	0	0.5	0	0.8	0.01
258	ST-MAI-1125	2	0	1	CIRCULAR	0.0076	CONC	1.77	0.09	2.87	0.15	4.58	0.23
259	ST-MAI-1126	2	0	1	CIRCULAR	0.03135	CONC	2.04	0.05	3.29	0.08	5.34	0.13
426	ST-MAI-1127	2	0	1	CIRCULAR	0.0303	CONC	2.6	0.07	4.19	0.11	7.15	0.18
260	ST-MAI-1128	2	0	1	CIRCULAR	0.00764	CONC	2.19	0.11	3.59	0.18	5.78	0.29
261	ST-MAI-1129a	2	0	1	CIRCULAR	0.00547	CONC	6.39	0.38	10.54	0.63	16.96	1.01
427	ST-MAI-1129b	2	0	1	CIRCULAR	0.04885	CONC	6.35	0.13	10.47	0.21	16.89	0.34
868	ST-MAI-113	2	0	1	CIRCULAR	0.0155	RCP	1.12	0.04	1.87	0.07	3.12	0.11
262	ST-MAI-1130	4	0	1	CIRCULAR	0.05904	CONC	48	0.14	85.82	0.25	145.8	0.42
263	ST-MAI-1131	2	0	1	CIRCULAR	0.34511	CONC	10.53	0.08	17.56	0.13	29.54	0.22
264	ST-MAI-1132	2	0	1	CIRCULAR	0.00922	CONC	9.97	0.46	16.64	0.77	28.02	1.29
265	ST-MAI-1133	2	0	1	CIRCULAR	0.00574	CONC	8.3	0.48	14.05	0.82	23.57	1.37
266	ST-MAI-1134	1.5	0	1	CIRCULAR	0.11272	CONC	0.32	0.01	0.51	0.01	0.81	0.02
267	ST-MAI-1135	1.5	0	1	CIRCULAR	0.00499	CONC	1	0.14	1.66	0.22	2.82	0.38
268	ST-MAI-1136	1.5	0	1	CIRCULAR	0.00305	CONC	16.63	2.87	16.61	2.86	16.6	2.86

Proposed Condition Storm Conveyance Results Summary Table

Conveyance Info		Dimensions						2-year		10-year		100-year	
Facility ID	Name	D' or H' (diameter) or (height)	B' (width)	Barrels	Shape	Slope (ft/ft)	Material	Q_{con} (2-year) (cfs)	Qcon vs Qcap3	Q_{con} (10-year) (cfs)	Qcon vs Qcap3	Q_{con} (100-year) (cfs)	Qcon vs Qcap7
869	ST-MAI-114	4	0	1	CIRCULAR	0.00596	RCP	120.63	1.09	162.1	1.46	177.88	1.6
269	ST-MAI-1142	0	0	1	IRREGULAR	0.26594	Other	0.04	0	0.06	0	0.1	0
270	ST-MAI-1143	1	3	1	PARABOLIC	0.17654	Other	0.1	0	0.19	0	0.33	0.01
271	ST-MAI-1144	1	3	1	PARABOLIC	0.03167	Other	1.05	0.04	1.67	0.06	2.63	0.1
272	ST-MAI-1145	2	0	1	CIRCULAR	0.01884	CONC	0.4	0.01	0.63	0.02	1	0.03
273	ST-MAI-1146	2	0	1	CIRCULAR	0.03439	CONC	1.49	0.04	2.36	0.06	3.69	0.09
274	ST-MAI-1147	2	0	1	CIRCULAR	0.01155	CONC	1.97	0.08	3.12	0.13	4.91	0.2
275	ST-MAI-1148	2	0	1	CIRCULAR	0.00646	CONC	0.28	0.02	0.43	0.02	0.59	0.03
952	ST-MAI-1149	4	0	1	CIRCULAR	0.05241	CONC	43.09	0.13	54.1	0.16	61.48	0.19
953	ST-MAI-1150	2	0	1	CIRCULAR	0.06713	CONC	1.39	0.02	2.25	0.04	3.59	0.06
954	ST-MAI-1151	4	0	1	CIRCULAR	0.04016	CONC	43.11	0.15	54.1	0.19	61.48	0.21
955	ST-MAI-1152	2	0	1	CIRCULAR	0.27741	CONC	41.88	0.35	52.14	0.44	57.94	0.49
956	ST-MAI-1153	2	0	1	CIRCULAR	0.07911	CONC	1.14	0.02	1.75	0.03	2.69	0.04
957	ST-MAI-1154	2	0	1	CIRCULAR	0.02972	CONC	40.11	1.03	49.68	1.27	53.21	1.36
958	ST-MAI-1155	2	0	1	CIRCULAR	0.15393	CONC	0.48	0.01	0.75	0.01	1.15	0.01
959	ST-MAI-1156	2	0	1	CIRCULAR	0.08633	CONC	0.48	0.01	0.74	0.01	1.14	0.02
960	ST-MAI-1157	2	0	1	CIRCULAR	0.02973	CONC	40.15	1.03	49.68	1.27	53.2	1.36
961	ST-MAI-1158	2	0	1	CIRCULAR	0.01295	CONC	0.32	0.01	3.72	0.14	3.58	0.14
962	ST-MAI-1159	2	0	1	CIRCULAR	0.15413	CONC	3.41	0.04	5.79	0.07	9.61	0.11
963	ST-MAI-1160	2	0	1	CIRCULAR	0.03219	CONC	3.42	0.08	5.79	0.14	9.62	0.24
964	ST-MAI-1161	2	0	1	CIRCULAR	0.02973	CONC	36.19	0.93	45.47	1.17	46.62	1.2
965	ST-MAI-1162	2	0	1	CIRCULAR	0.02972	CONC	3.7	0.09	6.51	0.17	9.97	0.26
966	ST-MAI-1163	2.5	0	1	CIRCULAR	0.045	CONC	30.77	0.35	50.48	0.58	100.79	1.16
967	ST-MAI-1164	2.5	0	1	CIRCULAR	0.03859	CONC	1.66	0.02	2.8	0.03	4.63	0.06
968	ST-MAI-1167	2	0	1	CIRCULAR	0.00554	CONC	3.91	0.23	7.66	0.45	17.85	1.06
969	ST-MAI-1168	2	0	1	CIRCULAR	0.00355	CONC	3.9	0.29	7.65	0.57	17.84	1.32
970	ST-MAI-1169	1	0	1	CIRCULAR	0.00272	CONC	4.03	2.17	6.57	3.53	12.15	6.53
1018	ST-MAI-117	1	0	1	CIRCULAR	0.02845	HDPE	1.34	0.22	2.3	0.38	3.76	0.63
971	ST-MAI-1170	2	0	1	CIRCULAR	0.00117	CONC	4.31	0.56	6.73	0.87	11.09	1.43
972	ST-MAI-1171	2	0	1	CIRCULAR	0.00117	CONC	4.56	0.59	6.87	0.89	10.14	1.31
973	ST-MAI-1172	2	0	1	CIRCULAR	0.0333	CONC	9.28	0.22	15.67	0.38	25.78	0.62
974	ST-MAI-1173	2	0	1	CIRCULAR	0.00117	CONC	12.77	1.65	15.07	1.94	16.85	2.17
975	ST-MAI-1174	2.5	0	1	CIRCULAR	0.00117	CONC	21.43	1.53	31.33	2.23	46.34	3.3
976	ST-MAI-1175	2.5	0	1	CIRCULAR	0.22562	CONC	8.79	0.05	15.65	0.08	26.46	0.14
977	ST-MAI-1176	2.5	0	1	CIRCULAR	0.00514	CONC	6	0.2	10.68	0.36	17.89	0.61
978	ST-MAI-1177	2.5	0	1	CIRCULAR	0.00118	CONC	22.33	1.59	33.1	2.35	49.16	3.49
979	ST-MAI-1178	2.5	0	1	CIRCULAR	0.00118	CONC	22.48	1.6	33.39	2.37	49.64	3.53
980	ST-MAI-1179	2.5	0	1	CIRCULAR	0.00117	CONC	23.37	1.67	32.77	2.33	48.2	3.43
1019	ST-MAI-118	1.5	0	1	CIRCULAR	0.03128	RCP	4.5	0.24	7.4	0.4	10.69	0.58
981	ST-MAI-1180	2.5	0	1	CIRCULAR	0.00118	CONC	27.31	1.94	37.22	2.65	51.35	3.65
982	ST-MAI-1181	4.5	0	1	CIRCULAR	0.00118	CONC	155.04	2.3	226.08	3.35	336.89	4.99
983	ST-MAI-1182	4.5	0	1	CIRCULAR	0.00117	CONC	178.42	2.65	243.4	3.62	339.37	5.04
984	ST-MAI-1184	2	0	1	CIRCULAR	0.01145	CONC	0.56	0.02	0.91	0.04	1.46	0.06
985	ST-MAI-1185	2	0	1	CIRCULAR	0.01325	CONC	0.66	0.03	1.08	0.04	1.72	0.07
986	ST-MAI-1186	2	0	1	CIRCULAR	0.16198	CONC	0.81	0.01	1.31	0.01	2.1	0.02
987	ST-MAI-1187	2	0	1	CIRCULAR	0.0143	CONC	0.48	0.02	0.77	0.03	1.23	0.05
988	ST-MAI-1188	2	0	1	CIRCULAR	0.00604	CONC	0.52	0.03	0.84	0.05	1.33	0.08
1020	ST-MAI-119	1.5	0	1	CIRCULAR	0.27246	RCP	0.05	0	0.1	0	0.19	0
787	ST-MAI-1190	2.5	0	1	CIRCULAR	0.08137	RCP	2.48	0.02	4.64	0.04	7.73	0.07
276	ST-MAI-1191	2.5	0	1	CIRCULAR	0.14974	CONC	16.74	0.11	30.43	0.19	55	0.35
1152	ST-MAI-1192	2	0	1	CIRCULAR	0.0177	RCP	13.52	0.45	23.67	0.79	42.31	1.41
277	ST-MAI-1196	0	0	1	IRREGULAR	0.11937	Concrete	3.18	0	5.22	0	8.47	0
550	ST-MAI-1197	4	0	1	CIRCULAR	0.03075	CONC	0	0	0	0	10.75	0.04
788	ST-MAI-1199	2	0	1	CIRCULAR	0.04315	RCP	11.01	0.23	19.41	0.41	33.02	0.7
558	ST-MAI-12	2	0	1	CIRCULAR	0.11215	RCP	19.48	0.26	34.82	0.46	61.67	0.81
29	ST-MAI-120	6	0	1	CIRCULAR	0.00902	RCP	103.69	0.26	203.71	0.51	272.5	0.68
843	ST-MAI-1200	0.5	6	1	TRIANGULAR	0.00689	CONC	0.29	0.05	0.72	0.13	1.63	0.29
278	ST-MAI-1202	4	0	1	CIRCULAR	0.01009	RCP	60.46	0.42	101.98	0.71	172.68	1.2
989	ST-MAI-1204	1	3	1	PARABOLIC	0.07516	Concrete	0.5	0.02	0.62	0.02	4.11	0.15
789	ST-MAI-1206	2	0	1	CIRCULAR	0.01528	RCP	12.94	0.46	22.72	0.81	38.53	1.38
790	ST-MAI-1207	2	0	1	CIRCULAR	0.36589	RCP	12.95	0.09	22.74	0.17	38.56	0.28
791	ST-MAI-1208	2	0	1	CIRCULAR	0.31957	RCP	12.95	0.1	22.73	0.18	38.56	0.3
792	ST-MAI-1209	3	0	1	CIRCULAR	0.00616	RCP	12.91	0.25	22.68	0.43	38.5	0.74
30	ST-MAI-121	2	0	1	CIRCULAR	0.00941	CONC	3.18	0.14	5.23	0.24	8.48	0.39
793	ST-MAI-1210	3	0	1	CIRCULAR	0.26871	RCP	12.9	0.04	22.67	0.07	38.5	0.11
794	ST-MAI-1211	3	0	1	CIRCULAR	0.00918	RCP	20.06	0.31	36.47	0.57	39.38	0.62

Proposed Condition Storm Conveyance Results Summary Table

Conveyance Info		Dimensions						2-year		10-year		100-year	
Facility ID	Name	D' or H' (diameter) or (height)	B' (width)	Barrels	Shape	Slope (ft/ft)	Material	Q_{con} (2-year) (cfs)	Qcon vs Qcap3	Q_{con} (10-year) (cfs)	Qcon vs Qcap3	Q_{con} (100-year) (cfs)	Qcon vs Qcap7
279	ST-MAI-1214	3	0	1	CIRCULAR	0.01035	CONC	24.74	0.36	41.75	0.62	69.2	1.02
280	ST-MAI-1215	3	0	1	CIRCULAR	0.03263	RCP	50.65	0.42	85.47	0.71	140.82	1.17
281	ST-MAI-1216	2.5	0	1	CIRCULAR	0.14147	RCP	50.7	0.33	85.5	0.55	144.55	0.94
282	ST-MAI-1217	2.5	0	1	CIRCULAR	0.04496	RCP	48.3	0.56	81.54	0.94	142.27	1.64
283	ST-MAI-1219	1.5	0	1	CIRCULAR	0.06107	RCP	0.62	0.02	0.98	0.04	6.49	0.25
284	ST-MAI-1220	1.5	0	1	CIRCULAR	0.02665	RCP	3.35	0.2	5.76	0.34	10.11	0.59
285	ST-MAI-1221	2	0	1	CIRCULAR	0.00693	RCP	1.58	0.08	2.66	0.14	4.35	0.23
286	ST-MAI-1222	1.5	0	1	CIRCULAR	0.00944	RCP	9.81	0.96	17.64	1.73	30.73	3.01
287	ST-MAI-1223	1.5	0	1	CIRCULAR	0.033	RCP	2.21	0.12	3.9	0.2	12.56	0.66
288	ST-MAI-1224	1.5	0	1	CIRCULAR	0.04284	RCP	3.1	0.14	5.45	0.25	12.11	0.56
289	ST-MAI-1225	1.5	0	1	CIRCULAR	0.06509	RCP	9.82	0.37	17.65	0.66	30.71	1.15
290	ST-MAI-1226	1.5	0	1	CIRCULAR	0.0756	RCP	0.62	0.02	0.98	0.03	3.31	0.11
291	ST-MAI-1227	1.5	0	1	CIRCULAR	0.01109	RCP	0.75	0.07	1.22	0.11	8.56	0.77
292	ST-MAI-1228	1.5	0	1	CIRCULAR	0.01744	RCP	5.06	0.36	8.73	0.63	18.95	1.37
293	ST-MAI-1229	1.5	0	1	CIRCULAR	0.0543	RCP	4.91	0.2	8.85	0.36	15.42	0.63
294	ST-MAI-1230	1.5	0	1	CIRCULAR	0.05521	RCP	1.63	0.07	2.6	0.11	5.85	0.24
295	ST-MAI-1231	2	0	1	CIRCULAR	0.05533	RCP	24.63	0.46	42.06	0.79	71.93	1.35
296	ST-MAI-1232	1.5	0	1	CIRCULAR	0.03164	RCP	2.23	0.12	3.92	0.21	9.44	0.51
297	ST-MAI-1233	2	0	1	CIRCULAR	0.07428	RCP	9.69	0.16	16.36	0.27	26.85	0.44
298	ST-MAI-1234	2.5	0	1	CIRCULAR	0.03291	RCP	46.6	0.63	78.76	1.06	137.24	1.84
299	ST-MAI-1235	1.5	0	1	CIRCULAR	0.06934	RCP	1.37	0.05	2.19	0.08	4.98	0.18
300	ST-MAI-1236	1.5	0	1	CIRCULAR	0.16109	RCP	1.4	0.03	2.38	0.06	4.42	0.1
301	ST-MAI-1237	1.5	0	1	CIRCULAR	0.08181	RCP	9.1	0.3	15.85	0.53	26.82	0.89
302	ST-MAI-1238	1.5	0	1	CIRCULAR	0.34974	RCP	12.29	0.2	21.76	0.35	37.44	0.6
303	ST-MAI-1239	1.5	0	1	CIRCULAR	0.05659	RCP	3.1	0.12	5.45	0.22	12.35	0.49
304	ST-MAI-1240	1.5	0	1	CIRCULAR	0.08591	RCP	2.24	0.07	3.93	0.13	8.55	0.28
305	ST-MAI-1241	1.5	0	1	CIRCULAR	0.03075	RCP	2.21	0.12	3.9	0.21	12.61	0.68
306	ST-MAI-1242	2.5	0	1	CIRCULAR	0.01501	RCP	37.03	0.74	63.15	1.26	109.17	2.17
307	ST-MAI-1243	2.5	0	1	CIRCULAR	0.02163	RCP	37.58	0.62	63.89	1.06	110.7	1.83
308	ST-MAI-1244	1.5	0	1	CIRCULAR	0.0869	RCP	4.98	0.16	8.82	0.28	15.11	0.49
309	ST-MAI-1245	1.5	0	1	CIRCULAR	0.01913	RCP	4.93	0.34	8.82	0.61	15.44	1.06
310	ST-MAI-1246	1.5	0	1	CIRCULAR	0.0049	RCP	2.75	0.37	4.94	0.67	7.88	1.07
311	ST-MAI-1247	2	0	1	CIRCULAR	0.04397	RCP	12.98	0.27	22.1	0.47	41.13	0.87
312	ST-MAI-1248	1.5	0	1	CIRCULAR	0.07376	RCP	4.18	0.15	7.14	0.25	12.55	0.44
313	ST-MAI-1249	1.5	0	1	CIRCULAR	0.02315	RCP	2.22	0.14	3.91	0.24	11.22	0.7
314	ST-MAI-1250	1.5	0	1	CIRCULAR	0.03348	RCP	2.21	0.11	3.9	0.2	12.27	0.64
315	ST-MAI-1251	2	0	1	CIRCULAR	0.05196	RCP	24.63	0.48	41.83	0.81	71.83	1.39
316	ST-MAI-1252	2	0	1	CIRCULAR	0.05642	RCP	11.45	0.21	19.59	0.36	33.73	0.63
317	ST-MAI-1253	1.5	0	1	CIRCULAR	0.47787	RCP	1.18	0.02	1.88	0.03	4.71	0.06
318	ST-MAI-1254	0	0	1	IRREGULAR	0.06202	Earthen	23.12	0	30.17	0	52.68	0
319	ST-MAI-1255	0	0	1	IRREGULAR	0.02075	Earthen	25.75	0	36.79	0	57.67	0
320	ST-MAI-1256	0	0	1	IRREGULAR	0.01689	Earthen	24.28	0	31.47	0	47.49	0
321	ST-MAI-1257	0	0	1	IRREGULAR	0.15145	Earthen	0.27	0	0.43	0	0.68	0
322	ST-MAI-1258	0	0	1	IRREGULAR	0.17542	Earthen	4.25	0	7.89	0	13.63	0
323	ST-MAI-1259	0	0	1	IRREGULAR	0.28537	Earthen	3.39	0	6.3	0	10.83	0
324	ST-MAI-1260	0	0	1	IRREGULAR	0.17845	Earthen	20.21	0	22	0	42.62	0
325	ST-MAI-1261	2	0	1	CIRCULAR	0.127	RCP	1.28	0.02	2.04	0.03	3.25	0.04
326	ST-MAI-1262	2.5	0	1	CIRCULAR	0.02463	RCP	25.76	0.4	34.08	0.53	49.83	0.77
327	ST-MAI-1263	2.5	0	1	CIRCULAR	0.00989	RCP	25.79	0.63	34.12	0.84	53.84	1.32
328	ST-MAI-1264	2.5	0	1	CIRCULAR	0.03491	RCP	25.66	0.33	33.95	0.44	49.7	0.65
329	ST-MAI-1265	1.5	0	1	CIRCULAR	0.01894	RCP	1.97	0.14	3.55	0.25	6.21	0.43
330	ST-MAI-1266	1.5	3	1	PARABOLIC	0.03062	Concrete	0	0	0	0	0	0
331	ST-MAI-1267	1.5	0	1	CIRCULAR	0.01969	RCP	2.42	0.16	4.26	0.29	7.31	0.5
332	ST-MAI-1268	1.5	0	1	CIRCULAR	0.24242	RCP	4.25	0.08	7.89	0.15	13.63	0.26
333	ST-MAI-1269	1.5	0	1	CIRCULAR	0.02704	RCP	4.07	0.24	7.61	0.44	13.2	0.76
334	ST-MAI-1270	1.5	0	1	CIRCULAR	0.0339	RCP	0.78	0.04	1.21	0.06	1.87	0.1
335	ST-MAI-1271	1.5	0	1	CIRCULAR	0.15238	RCP	3.4	0.08	6.32	0.15	10.85	0.26
336	ST-MAI-1272	1.5	0	1	CIRCULAR	0.01441	RCP	0.6	0.05	0.92	0.07	1.41	0.11
337	ST-MAI-1273	1.5	0	1	CIRCULAR	0.01153	RCP	19.33	1.71	19.77	1.75	19.74	1.75
338	ST-MAI-1274	1.5	0	1	CIRCULAR	0.06287	RCP	0.3	0.01	0.47	0.02	0.76	0.03
339	ST-MAI-1275	1.5	3	1	PARABOLIC	0.01316	Concrete	0.57	0.03	0.89	0.04	1.39	0.07
340	ST-MAI-1276	1.5	0	1	CIRCULAR	0.02156	RCP	19.7	1.28	20.02	1.3	20.82	1.35
341	ST-MAI-1277	1.5	0	1	CIRCULAR	0.00485	RCP	2.39	0.33	4.22	0.58	7.24	0.99
342	ST-MAI-1278	1.5	0	1	CIRCULAR	0.02279	RCP	2.28	0.14	4.03	0.25	6.96	0.44
343	ST-MAI-1279	1.5	0	1	CIRCULAR	0.16671	RCP	4.11	0.1	7.67	0.18	13.3	0.31
344	ST-MAI-1280	1.5	0	1	CIRCULAR	0.02839	RCP	2.15	0.12	3.83	0.22	6.65	0.38

Proposed Condition Storm Conveyance Results Summary Table

Conveyance Info		Dimensions						2-year		10-year		100-year	
Facility ID	Name	D' or H' (diameter) or (height)	B' (width)	Barrels	Shape	Slope (ft/ft)	Material	Q_{con} (2-year) (cfs)	Qcon vs Qcap3	Q_{con} (10-year) (cfs)	Qcon vs Qcap3	Q_{con} (100-year) (cfs)	Qcon vs Qcap7
345	ST-MAI-1281	1.5	0	1	CIRCULAR	0.01689	RCP	20.21	1.48	22	1.61	42.62	3.12
346	ST-MAI-1282	1.5	3	1	PARABOLIC	0.01841	Concrete	1.06	0.04	2.16	0.09	3.94	0.16
347	ST-MAI-1283	2	0	1	IRREGULAR	-0.17256	Earthen	0	0	0	0	0	0
348	ST-MAI-1284	1.5	0	1	CIRCULAR	0.0145	RCP	15.25	1.21	16.99	1.34	16.84	1.33
349	ST-MAI-1285	2	0	1	CIRCULAR	0.00792	RCP	1.3	0.06	2.65	0.13	5.98	0.3
350	ST-MAI-1286	1.5	0	1	CIRCULAR	0.00825	RCP	7.66	0.8	11.51	1.21	13.78	1.44
351	ST-MAI-1287	1.5	0	1	CIRCULAR	0.0085	RCP	10.05	1.04	11.29	1.17	11.23	1.16
352	ST-MAI-1288	1.5	0	1	CIRCULAR	0.023	RCP	2.6	0.16	5.65	0.35	7.25	0.45
353	ST-MAI-1289	1.5	0	1	CIRCULAR	0.00889	RCP	4.36	0.44	9.3	0.94	12.77	1.29
354	ST-MAI-1290	1.5	0	1	CIRCULAR	0.04459	RCP	4.78	0.22	8.19	0.37	13.79	0.62
355	ST-MAI-1291	1.5	0	1	CIRCULAR	0.0321	RCP	1.73	0.09	2.98	0.16	4.92	0.26
356	ST-MAI-1292	1.5	0	1	CIRCULAR	0.03202	RCP	1.1	0.06	1.89	0.1	3.92	0.21
357	ST-MAI-1293	1.5	0	1	CIRCULAR	0.02974	RCP	2.8	0.15	4.81	0.27	8.11	0.45
358	ST-MAI-1294	1.5	0	1	CIRCULAR	0.13965	RCP	0.53	0.01	1.99	0.05	1.39	0.04
359	ST-MAI-1295	1.5	0	1	CIRCULAR	0.02338	RCP	0.62	0.04	1.09	0.07	1.69	0.11
360	ST-MAI-1296	1.5	0	1	CIRCULAR	0.06495	RCP	2.84	0.11	4.54	0.17	7.77	0.29
361	ST-MAI-1297	1.5	0	1	CIRCULAR	0.11492	RCP	0.7	0.02	1.51	0.04	2.97	0.08
362	ST-MAI-1298	1.5	0	1	CIRCULAR	0.05558	RCP	21.09	0.85	24.41	0.99	28.06	1.13
363	ST-MAI-1299	1.5	0	1	CIRCULAR	0.03617	RCP	3.29	0.16	6.34	0.32	9.71	0.49
559	ST-MAI-13	6	0	1	CIRCULAR	0.00788	RCP	180.98	0.48	312.42	0.83	354.49	0.94
821	ST-MAI-130	1	0	1	CIRCULAR	0.12586	RCP	0.64	0.05	1.06	0.08	1.7	0.13
364	ST-MAI-1300	1.5	0	1	CIRCULAR	0.01289	RCP	13.02	1.09	14.92	1.25	14.92	1.25
365	ST-MAI-1301	1.5	0	1	CIRCULAR	0.01166	RCP	11.85	1.04	13.91	1.23	14.01	1.24
366	ST-MAI-1302	1.5	0	1	CIRCULAR	0.04832	RCP	1.11	0.05	2.16	0.09	3.2	0.14
367	ST-MAI-1303	1.5	0	1	CIRCULAR	0.02709	RCP	3.29	0.19	6.1	0.35	10.51	0.61
368	ST-MAI-1304	1.5	0	1	CIRCULAR	0.08051	RCP	4.39	0.15	7.99	0.27	13.71	0.46
369	ST-MAI-1305	1.5	0	1	CIRCULAR	0.22803	RCP	0.56	0.01	0.95	0.02	1.48	0.03
370	ST-MAI-1306	1.5	0	1	CIRCULAR	0.00923	RCP	9.24	0.92	11.71	1.16	11.58	1.15
371	ST-MAI-1307	1.5	0	1	CIRCULAR	0.12857	RCP	0.99	0.03	1.83	0.05	2.82	0.07
372	ST-MAI-1308	1.5	0	1	CIRCULAR	0.07572	RCP	0.99	0.03	1.81	0.06	2.81	0.1
373	ST-MAI-1309	1.5	0	1	CIRCULAR	0.15911	RCP	1.37	0.03	2.27	0.05	3.59	0.09
31	ST-MAI-131	2.5	0	1	CIRCULAR	0.11242	CONC	3.79	0.03	9.88	0.07	20.88	0.15
374	ST-MAI-1310	1.5	0	1	CIRCULAR	0.0122	RCP	12.41	1.07	14.31	1.23	14.43	1.24
375	ST-MAI-1311	1.5	0	1	CIRCULAR	0.16693	RCP	4.86	0.11	8	0.19	13.45	0.31
376	ST-MAI-1312	1.5	3	1	PARABOLIC	0.02936	Concrete	0	0	0	0	0	0
377	ST-MAI-1313	1.5	3	1	PARABOLIC	0.02817	Concrete	0	0	0	0	0	0
378	ST-MAI-1314	1.5	3	1	PARABOLIC	0.01189	Concrete	0	0	0	0	0	0
379	ST-MAI-1315	1.5	3	1	PARABOLIC	0.04384	Concrete	0	0	0	0	0	0
380	ST-MAI-1316	1.5	3	1	PARABOLIC	0.02529	Concrete	0	0	0	0	0	0
381	ST-MAI-1317	1.5	3	1	PARABOLIC	0.03361	Concrete	0	0	0	0	0	0
382	ST-MAI-1318	1.5	3	1	PARABOLIC	0.02587	Concrete	0	0	0	0	0	0
383	ST-MAI-1319	1.5	3	1	PARABOLIC	0.02739	Concrete	0	0	0	0	0	0
32	ST-MAI-132	2.5	0	1	CIRCULAR	0.0872	CONC	6.84	0.06	13.16	0.11	22.5	0.19
384	ST-MAI-1320	1.5	3	1	PARABOLIC	0.31866	Concrete	0	0	0	0	0	0
385	ST-MAI-1321	1.5	3	1	PARABOLIC	0.09845	Concrete	0.57	0.01	0.89	0.02	1.38	0.02
386	ST-MAI-1322	1.5	3	1	PARABOLIC	0.10003	Concrete	1.05	0.02	2.15	0.04	3.9	0.07
387	ST-MAI-1323	1.5	3	1	PARABOLIC	0.01024	Concrete	1.05	0.06	2.15	0.12	3.9	0.21
388	ST-MAI-1324	1.5	3	1	PARABOLIC	0.00908	Concrete	0.05	0	0.08	0	0.12	0.01
389	ST-MAI-1325	1.5	3	1	PARABOLIC	0.11334	Concrete	0.05	0	0.08	0	0.12	0
390	ST-MAI-1326	2.5	5	1	TRIANGULAR	0.25461	Concrete	20.21	0.09	22	0.1	42.62	0.19
391	ST-MAI-1327	1.5	0	1	CIRCULAR	0.37845	RCP	0	0	0	0	0	0
392	ST-MAI-1328	2.5	0	1	CIRCULAR	0.16515	RCP	25.61	0.15	33.88	0.2	49.64	0.3
393	ST-MAI-1329	1.5	0	1	CIRCULAR	0.50056	RCP	0.16	0	0.24	0	0.38	0.01
394	ST-MAI-1330	2.75	0	1	CIRCULAR	0.05563	RCP	23.12	0.19	30.17	0.24	52.63	0.42
395	ST-MAI-1331	2	0	1	CIRCULAR	0.09183	RCP	0.8	0.01	2.29	0.03	5.37	0.08
396	ST-MAI-1332	0	0	1	IRREGULAR	0.07956	Earthen	1.32	0	4.03	0	8.19	0
397	ST-MAI-1333	0	0	1	IRREGULAR	0.16629	Earthen	2.01	0	6.18	0	14.21	0
398	ST-MAI-1334	0	0	1	IRREGULAR	0.15216	Earthen	2.81	0	9.67	0	23.78	0
399	ST-MAI-1335	0.75	3.5	1	TRIANGULAR	0.04742	Concrete	0	0	0	0	0	0
400	ST-MAI-1336	0.75	3.5	1	TRIANGULAR	0.03475	Concrete	0	0	0	0	0	0
401	ST-MAI-1337	0.75	3.5	1	TRIANGULAR	0.02011	Concrete	0	0	0	0	0	0
402	ST-MAI-1338	0.75	3.5	1	TRIANGULAR	0.04443	Concrete	0	0	0	0	0	0
403	ST-MAI-1339	0.75	3.5	1	TRIANGULAR	0.02702	Concrete	0	0	0	0	0	0
404	ST-MAI-1340	0.75	3.5	1	TRIANGULAR	0.05527	Concrete	0.06	0.01	0.18	0.01	0.32	0.03
405	ST-MAI-1341	0.75	3.5	1	TRIANGULAR	0.07895	Concrete	0.34	0.02	1.08	0.08	2.3	0.16
406	ST-MAI-1342	2	0	1	CIRCULAR	0.25686	CMP	0.72	0.01	2.44	0.04	6.14	0.1

Proposed Condition Storm Conveyance Results Summary Table

Conveyance Info		Dimensions						2-year		10-year		100-year	
Facility ID	Name	D' or H' (diameter) or (height)	B' (width)	Barrels	Shape	Slope (ft/ft)	Material	Q_{con} (2-year) (cfs)	Qcon vs Qcap3	Q_{con} (10-year) (cfs)	Qcon vs Qcap3	Q_{con} (100-year) (cfs)	Qcon vs Qcap7
407	ST-MAI-1343	2	0	1	CIRCULAR	0.30285	CMP	1.36	0.02	4.44	0.07	10.43	0.15
408	ST-MAI-1344	2	0	1	CIRCULAR	0.19298	CMP	0.7	0.01	2.37	0.04	5.99	0.11
409	ST-MAI-1345	2	0	1	CIRCULAR	0.36985	CMP	1.96	0.03	6.04	0.08	13.85	0.19
410	ST-MAI-1346	2	0	1	CIRCULAR	0.19881	CMP	0.19	0	0.63	0.01	1.46	0.03
411	ST-MAI-1347	2	0	1	CIRCULAR	0.26796	CMP	0.65	0.01	2.11	0.03	4.67	0.07
412	ST-MAI-1348	2	0	1	CIRCULAR	0.35953	CMP	2.8	0.04	9.61	0.13	23.62	0.32
413	ST-MAI-1349	2	0	1	CIRCULAR	0.30978	CMP	1.13	0.02	3.46	0.05	7.12	0.1
775	ST-MAI-135	6	0	1	CIRCULAR	0.00414	RCP	184.62	0.68	339.04	1.24	457.19	1.68
414	ST-MAI-1350	0.75	3.5	1	TRIANGULAR	0.01467	Concrete	0.15	0.03	0.67	0.11	1.77	0.29
415	ST-MAI-1351	0.75	3.5	1	TRIANGULAR	0.03242	Concrete	0.57	0.06	2.4	0.26	7.32	0.81
416	ST-MAI-1352	0.75	3.5	1	TRIANGULAR	0.02978	Concrete	0	0	0	0	0	0
417	ST-MAI-1353	2	0	1	CIRCULAR	0.29986	CMP	1.51	0.02	5.21	0.08	13.29	0.2
418	ST-MAI-1355	2	0	1	CIRCULAR	0.03612	RCP	33.78	0.79	61.45	1.43	106.22	2.47
419	ST-MAI-1356	2	0	1	CIRCULAR	0.02814	RCP	22.18	0.58	39.8	1.05	68.26	1.8
420	ST-MAI-1357	2	0	1	CIRCULAR	0.02642	RCP	32.67	0.89	59.32	1.61	102.91	2.8
421	ST-MAI-1358	1.5	0	1	CIRCULAR	0.00984	RCP	3.47	0.33	6.21	0.6	10.5	1.01
422	ST-MAI-1359	1.5	0	1	CIRCULAR	0.04388	RCP	4.63	0.21	8.21	0.37	13.85	0.63
33	ST-MAI-136	6	0	1	CIRCULAR	0.0059	RCP	103.3	0.32	201.71	0.62	272.3	0.84
423	ST-MAI-1360	2	0	1	CIRCULAR	0.02862	RCP	7.6	0.2	13.61	0.36	23.04	0.6
424	ST-MAI-1361	4	0	1	CIRCULAR	0.00466	RCP	39.15	0.4	70.89	0.72	122.16	1.25
425	ST-MAI-1362	1.5	0	1	CIRCULAR	0.02792	RCP	0	0	0	0	0	0
431	ST-MAI-1364	1.5	0	1	CIRCULAR	0.02613	RCP	3.07	0.18	5.38	0.32	8.82	0.52
432	ST-MAI-1365	2	0	1	CIRCULAR	0.23975	CONC	21.4	0.19	37.08	0.33	62.35	0.56
433	ST-MAI-1366	2	0	1	CIRCULAR	0.01058	CONC	3.84	0.16	6.61	0.28	10.41	0.45
434	ST-MAI-1367	2.5	0	1	CIRCULAR	0.01739	CONC	25.34	0.47	43.83	0.81	69.15	1.28
435	ST-MAI-1368	2	0	1	CIRCULAR	0.15624	CONC	8.83	0.1	15.14	0.17	25.75	0.29
436	ST-MAI-1369	2	0	1	CIRCULAR	0.0284	CONC	1.24	0.03	2.15	0.06	3.47	0.09
437	ST-MAI-1370	2	0	1	CIRCULAR	0.09169	RCP	8.94	0.13	15.32	0.22	26.35	0.38
438	ST-MAI-1371	2	0	1	CIRCULAR	0.01802	RCP	1.67	0.06	2.89	0.1	35.01	1.15
439	ST-MAI-1372	2.5	0	1	CIRCULAR	0.03052	RCP	35.41	0.49	61.2	0.85	77.61	1.08
440	ST-MAI-1373	4	0	1	CIRCULAR	0.00253	RCP	38.75	0.54	67.13	0.93	99.02	1.37
441	ST-MAI-1374	0	0	1	IRREGULAR	0.0394	Earthen	10	0	15.47	0	21.27	0
442	ST-MAI-1375	0	0	1	IRREGULAR	0.01044	Earthen	17.15	0	23.12	0	27.65	0
443	ST-MAI-1376	0	0	1	IRREGULAR	0.04285	Earthen	3.34	0	5.7	0	9.27	0
444	ST-MAI-1377	0	0	1	IRREGULAR	0.06107	Earthen	2.68	0	4.87	0	8.24	0
445	ST-MAI-1378	0	0	1	IRREGULAR	0.05729	Earthen	1.19	0	1.96	0	3.19	0
446	ST-MAI-1379	0	0	1	IRREGULAR	0.0977	Earthen	4.01	0	6.46	0	10.18	0
447	ST-MAI-1380	0	0	1	IRREGULAR	0.00107	Earthen	6.1	0.01	21.2	0.03	39.49	0.06
448	ST-MAI-1381	0	0	1	IRREGULAR	0.13612	Earthen	5.85	0	11.85	0	35.53	0
449	ST-MAI-1382	0	0	1	IRREGULAR	0.02861	Earthen	14.92	0	46.11	0	69.78	0
450	ST-MAI-1383	0	0	1	IRREGULAR	0.01535	Earthen	16.27	0	22.35	0	26.88	0
451	ST-MAI-1384	0	0	1	IRREGULAR	0.08393	Earthen	10.89	0	20.99	0	18.73	0
452	ST-MAI-1385	1.5	0	1	CIRCULAR	0.01602	CONC	13.07	0.98	16.33	1.23	15.4	1.16
453	ST-MAI-1386	1.5	0	1	CIRCULAR	0.04258	CONC	17.16	0.79	23.12	1.07	27.68	1.28
454	ST-MAI-1387	1.5	0	1	CIRCULAR	0.00445	CONC	10.89	1.55	21.26	3.03	20.16	2.88
455	ST-MAI-1388	1.5	0	1	CIRCULAR	0.05136	RCP	4.01	0.17	6.46	0.27	10.18	0.43
456	ST-MAI-1389	2.5	0	1	CIRCULAR	0.08958	RCP	31.24	0.25	49.1	0.4	74.27	0.6
584	ST-MAI-139	2.5	0	1	CIRCULAR	0.04171	RCP	19.12	0.23	35.68	0.43	62.92	0.75
457	ST-MAI-1390	1.5	0	1	CIRCULAR	0.7111	RCP	22.14	0.25	35.66	0.4	55.45	0.63
458	ST-MAI-1391	1.5	0	1	CIRCULAR	0.02932	RCP	1.3	0.07	2.11	0.12	3.41	0.19
459	ST-MAI-1392	1.5	0	1	CIRCULAR	0.0089	RCP	0.6	0.06	0.96	0.1	1.53	0.15
460	ST-MAI-1393	1.5	0	1	CIRCULAR	0.11704	RCP	3.55	0.1	5.98	0.17	9.64	0.27
461	ST-MAI-1394	1.5	0	1	CIRCULAR	0.0505	RCP	19.62	0.83	31.22	1.32	43.22	1.83
462	ST-MAI-1395	1.5	0	1	CIRCULAR	0.03914	RCP	6.25	0.3	21.95	1.06	23.31	1.12
463	ST-MAI-1396	2.5	0	1	CIRCULAR	0.03719	RCP	17.08	0.22	22.92	0.29	27.23	0.34
464	ST-MAI-1397	2.5	0	1	CIRCULAR	0.07908	RCP	31.3	0.27	49.18	0.43	74.35	0.64
465	ST-MAI-1398	1.75	0	1	CIRCULAR	0.01023	RCP	10.03	0.63	15.48	0.97	21.28	1.33
466	ST-MAI-1399	1.75	0	1	CIRCULAR	0.04099	RCP	5.85	0.18	11.91	0.37	32.7	1.02
560	ST-MAI-14	4.5	0	1	CIRCULAR	0.01555	RCP	224.32	0.91	261.46	1.07	268.45	1.09
1132	ST-MAI-140	2.5	0	1	CIRCULAR	0.01245	RCP	22.08	0.48	40.18	0.88	61.12	1.34
467	ST-MAI-1400	2.25	0	1	CIRCULAR	0.02797	CONC	2.63	0.05	4.5	0.09	7.27	0.14
468	ST-MAI-1401	1.5	0	1	CIRCULAR	0.04374	RCP	13.92	0.63	25.14	1.14	35.69	1.62
469	ST-MAI-1402	1.5	0	1	CIRCULAR	0.15811	RCP	16.94	0.41	29.29	0.7	46.13	1.1
470	ST-MAI-1404	2	0	1	CIRCULAR	0.02608	RCP	13.85	0.38	24.83	0.68	43.81	1.2
471	ST-MAI-1405	2	0	1	CIRCULAR	0.0138	RCP	13.85	0.52	24.86	0.94	43.81	1.65
472	ST-MAI-1406	1.5	0	1	CIRCULAR	0.16319	RCP	0.25	0.01	0.41	0.01	0.66	0.02

Proposed Condition Storm Conveyance Results Summary Table

Conveyance Info		Dimensions						2-year		10-year		100-year	
Facility ID	Name	D' or H' (diameter) or (height)	B' (width)	Barrels	Shape	Slope (ft/ft)	Material	Q_{con} (2-year) (cfs)	Qcon vs Qcap3	Q_{con} (10-year) (cfs)	Qcon vs Qcap3	Q_{con} (100-year) (cfs)	Qcon vs Qcap7
476	ST-MAI-1415	2	0	1	CIRCULAR	0.01622	RCP	2.42	0.08	3.82	0.13	4.88	0.17
795	ST-MAI-1416	1.5	0	1	CIRCULAR	0.0333	RCP	5.07	0.26	8.77	0.46	14.86	0.78
796	ST-MAI-1418	2	0	1	CIRCULAR	0.2531	HDPE	0	0	0	0	0	0
991	ST-MAI-1420	2.5	0	1	CIRCULAR	0.02991	RCP	1.25	0.02	2.32	0.03	4.14	0.06
992	ST-MAI-1421	2.5	0	1	CIRCULAR	0.03346	RCP	28.72	0.38	47.47	0.63	94.99	1.27
477	ST-MAI-1425	2	0	1	CIRCULAR	0.15358	RCP	0	0	0	0	0	0
478	ST-MAI-1426	2	0	1	CIRCULAR	0.07147	RCP	0	0	0	0	0	0
34	ST-MAI-142a	3.5	5.5	1	CIRCULAR	0.00541	RCP	92.62	1.25	110.25	1.49	112.74	1.52
474	ST-MAI-142b	3.5	5.5	1	CIRCULAR	0.00895	RCP	92.62	0.97	110.25	1.16	112.74	1.18
798	ST-MAI-1430	2	0	1	CIRCULAR	0.02458	RCP	0	0	0	0	0	0
799	ST-MAI-1432	2	0	1	CIRCULAR	0.05404	RCP	0.54	0.01	0.96	0.02	1.6	0.03
800	ST-MAI-1433	2	0	1	CIRCULAR	0.05318	RCP	0.53	0.01	0.95	0.02	1.59	0.03
801	ST-MAI-1434	2	0	1	CIRCULAR	0.00612	RCP	5.93	0.33	5.25	0.3	17.82	1.01
802	ST-MAI-1435	1.5	0	1	CIRCULAR	0.0664	RCP	0.76	0.03	2.05	0.08	26.18	0.97
803	ST-MAI-1436	2	0	1	CIRCULAR	0.02	RCP	0	0	0	0	0	0
804	ST-MAI-1437	2	0	1	CIRCULAR	0.0095	RCP	0	0	0	0	0	0
805	ST-MAI-1438	2	0	1	CIRCULAR	0.01855	RCP	0	0	0	0	0	0
806	ST-MAI-1439	2	0	1	CIRCULAR	0.00971	RCP	4.34	0.19	7.61	0.34	12.88	0.58
35	ST-MAI-144	2	0	1	CIRCULAR	0.08472	SP	15.35	0.43	27.4	0.77	37.84	1.06
807	ST-MAI-1440	2	0	1	CIRCULAR	0.00958	RCP	4.33	0.2	7.61	0.34	12.87	0.58
808	ST-MAI-1441	2	0	1	CIRCULAR	0.02473	RCP	4.33	0.12	7.6	0.21	12.7	0.36
809	ST-MAI-1442	2	0	1	CIRCULAR	0.00383	RCP	7.84	0.56	13.88	0.99	23.19	1.66
810	ST-MAI-1444	2	0	1	CIRCULAR	0.03044	RCP	0	0	0	0	0	0
811	ST-MAI-1445	2	0	1	CIRCULAR	0.06465	RCP	0	0	0	0	0	0
812	ST-MAI-1446	1.5	0	1	CIRCULAR	0.04035	RCP	0	0	0	0	0	0
813	ST-MAI-1447	1.5	0	1	CIRCULAR	0.04249	RCP	0	0	0	0	0	0
479	ST-MAI-1452	6	0	1	CIRCULAR	0.00279	RCP	22.51	0.1	106.97	0.48	259.12	1.16
1153	ST-MAI-1453	3	0	1	CIRCULAR	0.08941	RCP	10.29	0.05	19.78	0.1	33.5	0.17
1154	ST-MAI-1454	3	0	1	CIRCULAR	0.0074	RCP	10.33	0.18	19.25	0.34	33.55	0.58
36	ST-MAI-155	4	0	1	CIRCULAR	0.02767	RCP	35.44	0.15	54.6	0.23	77.82	0.33
37	ST-MAI-156	4	0	1	CIRCULAR	0.02594	RCP	36.23	0.16	53.77	0.23	81.02	0.35
38	ST-MAI-157	1.5	0	1	CIRCULAR	0.03249	RCP	7.39	0.39	12.25	0.65	20.21	1.07
39	ST-MAI-158	4	0	1	CIRCULAR	0.2143	RCP	1.02	0	1.65	0	2.62	0
0	ST-MAI-15a	2.5	0	1	CIRCULAR	0.00377	CONC	15.43	0.61	27.5	1.09	41.74	1.66
473	ST-MAI-15b	2.5	0	1	CIRCULAR	0.00524	CONC	15.39	0.52	27.42	0.92	43.06	1.45
561	ST-MAI-16	7	0	1	CIRCULAR	0.01283	RCP	412.83	0.57	650.54	0.9	681.66	0.94
40	ST-MAI-165	4.75	0	1	CIRCULAR	0.00246	RCP	7.24	0.06	30.81	0.27	55.62	0.49
41	ST-MAI-166	1	0	1	CIRCULAR	0.03745	ABS	0.77	0.11	1.26	0.18	1.84	0.27
42	ST-MAI-167	1	0	1	CIRCULAR	0.06325	ABS	0.67	0.07	1.06	0.12	1.67	0.19
43	ST-MAI-168	1	0	1	CIRCULAR	0.07322	RCP	3.43	0.36	5.36	0.56	7.8	0.81
44	ST-MAI-169	1	0	1	CIRCULAR	0.04763	ABS	2.1	0.27	3.44	0.44	5.45	0.7
562	ST-MAI-17	1.5	0	1	CIRCULAR	0.0246	RCP	5.91	0.36	10.62	0.64	17.76	1.08
858	ST-MAI-18	1	0	1	CIRCULAR	0.0277	ABS	5.66	0.95	6.3	1.06	6.32	1.07
45	ST-MAI-180	0	0	1	IRREGULAR	0.02069	Earthen	670.77	0.07	909.6	0.09	1146.67	0.11
496	ST-MAI-181a_1	0	0	1	IRREGULAR	0.01811	Earthen	669.07	0.11	891.94	0.14	1134.43	0.18
497	ST-MAI-181a_2	0	0	1	IRREGULAR	0.01811	Earthen	674.18	0.11	901.24	0.14	1137.94	0.18
480	ST-MAI-181b	0	0	1	IRREGULAR	0.01793	Earthen	665.81	0.2	886.86	0.27	1113.34	0.34
46	ST-MAI-182	2	0	1	CIRCULAR	0.05628	HDPE	3.1	0.06	5.39	0.1	8.05	0.15
47	ST-MAI-183	6.5	0	1	CIRCULAR	0.00964	RCP	330.59	0.64	510.01	0.99	550.88	1.07
48	ST-MAI-184	5.5	4.7	1	CIRCULAR	0.00554	RCP	191.53	0.77	293.9	1.18	308.58	1.23
49	ST-MAI-185	3	5.5	1	CIRCULAR	0.01271	RCP	50.82	0.68	60.82	0.81	59.65	0.79
50	ST-MAI-186	5.5	0	1	CIRCULAR	0.00637	RCP	216.48	0.81	350.81	1.31	355.25	1.32
51	ST-MAI-187	3	0	1	CIRCULAR	0.02425	CONC	9.08	0.09	15.03	0.14	24.94	0.24
1021	ST-MAI-190	2	0	1	CIRCULAR	0.2784	RCP	0.72	0.01	1.27	0.01	2.1	0.02
585	ST-MAI-192	1.5	0	1	CIRCULAR	0.03165	RCP	2.15	0.12	3.85	0.21	6.51	0.35
52	ST-MAI-194	1.5	0	1	CIRCULAR	0.14235	RCP	1.79	0.05	3.15	0.08	5.15	0.13
53	ST-MAI-196	1	0	1	CIRCULAR	0.02113	ABS	0.92	0.18	1.53	0.3	2.51	0.49
586	ST-MAI-197	1	0	1	CIRCULAR	0.08778	RCP	1.86	0.18	3.35	0.32	5.63	0.53
1022	ST-MAI-198	1.5	0	1	CIRCULAR	0.02043	SP	0.26	0.03	0.46	0.06	0.74	0.09
814	ST-MAI-19b	6	0	1	CIRCULAR	0.07526	RCP	0	0	0	0	8.6	0.01
429	ST-MAI-2	4	8	1	RECT_CLOSED	0.02111	RCB	237.43	0.37	270.27	0.42	591.28	0.92
563	ST-MAI-20	1.5	0	1	CIRCULAR	0.19522	RCP	6.39	0.14	11.52	0.25	20.14	0.43
587	ST-MAI-200	1.5	0	1	CIRCULAR	0.03309	ABS	17.58	0.92	21.51	1.13	21.51	1.13
588	ST-MAI-201	2	0	1	CIRCULAR	0.03023	ABS	10.7	0.27	19.16	0.49	33.51	0.85
1023	ST-MAI-202	1	3	1	PARABOLIC	0.1641	RCP	3.52	0.06	6.18	0.1	10.37	0.17
517	ST-MAI-203	1	0	1	CIRCULAR	0.01262	RCP	0.32	0.08	0.57	0.14	0.88	0.22

Proposed Condition Storm Conveyance Results Summary Table

Conveyance Info		Dimensions						2-year		10-year		100-year	
Facility ID	Name	D' or H' (diameter) or (height)	B' (width)	Barrels	Shape	Slope (ft/ft)	Material	Q_{con} (2-year) (cfs)	Qcon vs Qcap3	Q_{con} (10-year) (cfs)	Qcon vs Qcap3	Q_{con} (100-year) (cfs)	Qcon vs Qcap7
518	ST-MAI-204	1	0	1	CIRCULAR	0.0057	RCP	0.05	0.02	0.11	0.04	0.31	0.11
589	ST-MAI-206	1.5	0	1	CIRCULAR	0.13779	RCP	5.7	0.15	10.34	0.27	17.84	0.46
54	ST-MAI-209	3.5	0	1	CIRCULAR	0.03992	RCP	53.15	0.26	152.01	0.76	159.68	0.79
564	ST-MAI-21	6	0	1	CIRCULAR	0.0133	RCP	122.04	0.25	246.7	0.51	342.02	0.7
55	ST-MAI-210	5	0	1	CIRCULAR	0.00365	RCP	118.66	0.75	174.51	1.11	171.83	1.09
56	ST-MAI-211	8	0	1	CIRCULAR	0.00391	RCP	259.47	0.45	462.42	0.81	654.99	1.15
57	ST-MAI-212	8	0	1	CIRCULAR	0.00341	RCP	248.43	0.47	441.89	0.83	612.19	1.15
209	ST-MAI-213	6	0	1	CIRCULAR	0.01039	RCP	237.93	0.55	416.48	0.96	509.99	1.18
58	ST-MAI-218	5	0	1	CIRCULAR	0.01571	RCP	152.91	0.47	270.13	0.83	365.83	1.12
59	ST-MAI-219	5	0	1	CIRCULAR	0.02475	RCP	98.43	0.24	147.12	0.36	217.43	0.53
60	ST-MAI-220	5	0	1	CIRCULAR	0.00709	RCP	101.98	0.47	150.58	0.69	220.56	1.01
61	ST-MAI-221	3.5	0	1	CIRCULAR	0.0077	RCP	53.29	0.6	111.02	1.26	137.87	1.56
62	ST-MAI-222	3.5	0	1	CIRCULAR	0.03572	RCP	96.18	0.51	162.26	0.85	189.16	0.99
63	ST-MAI-223	3	0	1	CIRCULAR	0.01468	RCP	9.3	0.12	15.26	0.19	35.94	0.44
64	ST-MAI-224	3	0	1	CIRCULAR	0.06052	RCP	12.71	0.08	23.28	0.14	114.92	0.7
1024	ST-MAI-225	1.25	0	1	CIRCULAR	0.0109	HDPE	0.65	0.1	1.06	0.16	1.53	0.23
1025	ST-MAI-226	1.25	0	1	CIRCULAR	0.00612	HDPE	2.86	0.57	4.77	0.94	6.73	1.33
1026	ST-MAI-227	1.25	0	1	CIRCULAR	0.0342	HDPE	2.85	0.24	4.77	0.4	6.73	0.56
1027	ST-MAI-228	1.25	0	1	CIRCULAR	0.04641	HDPE	1.06	0.08	1.8	0.13	2.95	0.21
1028	ST-MAI-229	1.25	0	1	CIRCULAR	0.01048	HDPE	1.85	0.28	3.08	0.47	4.47	0.68
777	ST-MAI-22b	2	0	1	CIRCULAR	0.03596	RCP	0.17	0	0.26	0.01	6.01	0.14
565	ST-MAI-23	8	0	1	CIRCULAR	0.01075	RCP	528.97	0.56	926.5	0.98	1127.39	1.19
1029	ST-MAI-230	1.5	0	1	CIRCULAR	0.1456	RCP	2.15	0.05	3.62	0.09	5.75	0.14
1030	ST-MAI-231	1.5	0	1	CIRCULAR	0.01633	RCP	2.51	0.19	4.26	0.32	6.77	0.5
1031	ST-MAI-232	1.5	0	1	CIRCULAR	0.0151	RCP	2.5	0.19	4.25	0.33	6.76	0.52
590	ST-MAI-233	1.5	0	1	CIRCULAR	0.02257	HDPE	2.74	0.17	4.82	0.31	8.27	0.52
65	ST-MAI-234	3.5	0	1	CIRCULAR	-0.00089	RCP	51.58	1.72	81.98	2.74	90.13	3.01
66	ST-MAI-235	0	0	1	IRREGULAR	0.19961	Earthen	0.13	0	0.21	0	0.34	0
67	ST-MAI-236	1.25	0	1	CIRCULAR	0.00845	HDPE	3.14	0.53	5.52	0.93	8.34	1.4
68	ST-MAI-237	1.25	0	1	CIRCULAR	0.01821	RCP	3.09	0.35	5.46	0.63	8.31	0.95
69	ST-MAI-238	3.5	0	1	CIRCULAR	0.01598	RCP	3.86	0.03	15.64	0.12	83.54	0.66
70	ST-MAI-239	1.5	0	1	CIRCULAR	0.05941	RCP	3.43	0.13	6.12	0.24	10.39	0.41
566	ST-MAI-24	2	0	1	CIRCULAR	0.06565	RCP	18.35	0.32	32.84	0.57	51.3	0.89
71	ST-MAI-241	1.5	0	1	CIRCULAR	0.09864	RCP	2.15	0.07	3.59	0.11	5.77	0.17
72	ST-MAI-243	6	0	1	CIRCULAR	0.00169	RCP	2.84	0.02	32.91	0.19	208.88	1.2
73	ST-MAI-244	6	0	1	CIRCULAR	0.00147	RCP	22.87	0.14	53.02	0.33	97.14	0.6
74	ST-MAI-245	2	0	1	CIRCULAR	0.00369	RCP	11.7	0.85	38.88	2.83	37.79	2.75
75	ST-MAI-246	2	0	1	CIRCULAR	0.07171	RCP	5.21	0.09	9.3	0.15	15.62	0.26
76	ST-MAI-247	1.5	0	1	CIRCULAR	0.14905	RCP	2.41	0.06	4.34	0.11	7.28	0.18
77	ST-MAI-248	1.5	0	1	CIRCULAR	0.02518	RCP	1.57	0.09	2.86	0.17	4.81	0.29
78	ST-MAI-249	1.5	0	1	CIRCULAR	0.21636	RCP	2.85	0.06	5.02	0.1	8.43	0.17
567	ST-MAI-25	3	0	1	CIRCULAR	0.00345	RCP	54.43	1.39	84.43	2.16	85.49	2.18
79	ST-MAI-250	2	0	1	CIRCULAR	0.01003	RCP	5.42	0.24	9.57	0.42	16.51	0.73
80	ST-MAI-251	2	0	1	CIRCULAR	0.02382	RCP	5.43	0.16	9.57	0.27	16.57	0.47
81	ST-MAI-252	2	0	1	CIRCULAR	0.0245	RCP	5.39	0.15	9.5	0.27	16.47	0.47
82	ST-MAI-253	2	0	1	CIRCULAR	0.01737	RCP	11.2	0.38	20.02	0.67	33.04	1.11
83	ST-MAI-254	2.5	0	1	CIRCULAR	0.02144	RCP	16.45	0.27	29.39	0.49	48.86	0.81
84	ST-MAI-255	3	0	1	CIRCULAR	0.06449	RCP	23.16	0.14	39.62	0.23	70.93	0.42
85	ST-MAI-257	3.5	0	1	CIRCULAR	0.01678	RCP	2.19	0.02	6.51	0.05	10.32	0.08
86	ST-MAI-259	0.67	0	1	CIRCULAR	0.16213	PVC	0.91	0.18	1.53	0.31	2.44	0.5
568	ST-MAI-26	2.5	0	1	CIRCULAR	0.02387	RCP	21.28	0.34	37.91	0.6	47.63	0.75
87	ST-MAI-260	2	0	1	CIRCULAR	0.0155	RCP	2.56	0.09	5.09	0.18	12.72	0.45
88	ST-MAI-261	2	0	1	CIRCULAR	0.01653	RCP	2.56	0.09	5.07	0.17	12.72	0.44
89	ST-MAI-262	2	0	1	CIRCULAR	0.07858	RCP	2.55	0.04	5.06	0.08	12.72	0.2
519	ST-MAI-265	1	0	1	CIRCULAR	0.08978	PVC	2.21	0.21	3.82	0.36	6.21	0.58
520	ST-MAI-266	1.5	0	1	CIRCULAR	0.08805	RCP	2.23	0.07	4	0.13	6.84	0.22
521	ST-MAI-267	1.5	0	1	CIRCULAR	0.10047	CMP	2.14	0.12	3.73	0.21	6.15	0.34
569	ST-MAI-27	2.5	0	1	CIRCULAR	0.00716	RCP	12.17	0.35	21.84	0.63	32.47	0.94
522	ST-MAI-273	2	0	1	CIRCULAR	0.00716	RCP	5.09	0.27	8.94	0.47	16.01	0.84
523	ST-MAI-274	3	0	1	CIRCULAR	0.11572	RCP	0.34	0	0.82	0	1.53	0.01
524	ST-MAI-275	1.5	0	1	CIRCULAR	0.02669	RCP	7.33	0.43	12.97	0.76	21.63	1.26
525	ST-MAI-276	3.5	0	1	CIRCULAR	0.02534	RCP	47.37	0.3	79.8	0.5	168.1	1.05
526	ST-MAI-277	4	0	1	CIRCULAR	0.0369	RCP	124.13	0.45	212.83	0.77	306.08	1.11
527	ST-MAI-279	3.5	0	1	CIRCULAR	0.0315	RCP	64.62	0.36	111.99	0.63	151.54	0.85
528	ST-MAI-281	4	0	1	CIRCULAR	0.02168	RCP	112.8	0.53	193.81	0.92	253.81	1.2
529	ST-MAI-282	4.5	0	1	CIRCULAR	0.02175	RCP	128.08	0.44	219.94	0.76	311.18	1.07

Proposed Condition Storm Conveyance Results Summary Table

Conveyance Info		Dimensions						2-year		10-year		100-year	
Facility ID	Name	D' or H' (diameter) or (height)	B' (width)	Barrels	Shape	Slope (ft/ft)	Material	Q_{con} (2-year) (cfs)	Qcon vs Qcap3	Q_{con} (10-year) (cfs)	Qcon vs Qcap3	Q_{con} (100-year) (cfs)	Qcon vs Qcap7
530	ST-MAI-283	3.5	0	1	CIRCULAR	0.03355	RCP	63.27	0.34	109.57	0.59	146.33	0.79
591	ST-MAI-285	1.5	0	1	CIRCULAR	0.02837	RCP	2.37	0.13	4.28	0.24	7.3	0.41
592	ST-MAI-286	2	0	1	CIRCULAR	0.05008	RCP	17.13	0.34	30.17	0.6	51.32	1.01
593	ST-MAI-287	2	0	1	CIRCULAR	0.03224	RCP	21.35	0.53	38.22	0.94	66.39	1.63
594	ST-MAI-288	2	0	1	CIRCULAR	0.00332	RCP	8.98	0.69	8.01	0.61	32.1	2.46
595	ST-MAI-289	2.25	0	1	CIRCULAR	0.0059	RCP	5.01	0.21	5.45	0.23	7.78	0.33
570	ST-MAI-29	1.25	0	1	CIRCULAR	0.08432	RCP	6.91	0.37	11.71	0.62	18.32	0.98
596	ST-MAI-290	2	0	1	CIRCULAR	0.00453	RCP	0.96	0.06	1.77	0.12	3.54	0.23
597	ST-MAI-291	2	0	1	CIRCULAR	0.02619	RCP	0.18	0	0.27	0.01	0.42	0.01
598	ST-MAI-293	1.5	0	1	CIRCULAR	0.06693	RCP	1.01	0.04	1.73	0.06	2.81	0.1
857	ST-MAI-294	1	3	1	PARABOLIC	0.11591	CONC	0	0	0	0	0	0
855	ST-MAI-295	1	3	1	PARABOLIC	0.00757	CONC	1.6	0.12	3	0.23	5.06	0.39
531	ST-MAI-296	1	0	1	CIRCULAR	0.00305	RCP	0.24	0.12	0.47	0.24	0.71	0.36
854	ST-MAI-297	1	3	1	PARABOLIC	0.01636	CONC	0	0	0	0	0	0
599	ST-MAI-299	1	0	1	CIRCULAR	0.17878	CMP	0.83	0.1	1.53	0.19	2.48	0.3
430	ST-MAI-3	5	10	1	RECT_CLOSED	0.01659	RCB	308.85	0.3	353.06	0.34	750.41	0.73
571	ST-MAI-30	6	0	1	CIRCULAR	0.01879	RCP	98.33	0.17	209.46	0.36	222.4	0.38
832	ST-MAI-301	1	3	1	PARABOLIC	0.04794	CONC	0	0	0	0	0	0
833	ST-MAI-302	1	3	1	PARABOLIC	0.09823	CONC	0	0	0	0	0	0
856	ST-MAI-303	1	3	1	PARABOLIC	0.07036	CONC	2.03	0.05	3.6	0.09	5.88	0.15
600	ST-MAI-304	1.5	0	1	CIRCULAR	0.01774	RCP	4.94	0.35	8.1	0.58	12.83	0.92
601	ST-MAI-305	2	0	1	CIRCULAR	0.0304	RCP	14.72	0.37	26.42	0.67	47.16	1.2
602	ST-MAI-306	1.5	0	1	CIRCULAR	0.00323	RCP	3.18	0.53	5.4	0.91	8.47	1.42
603	ST-MAI-307	1.5	0	1	CIRCULAR	0.27678	RCP	5.98	0.11	10.21	0.18	16.49	0.3
604	ST-MAI-309	1	0	1	CIRCULAR	0.85398	CMP	0.34	0.02	0.54	0.03	0.84	0.05
572	ST-MAI-31	4	0	1	CIRCULAR	0.02993	RCP	98.33	0.4	242.5	0.98	244.42	0.98
605	ST-MAI-311	1	3	1	PARABOLIC	0.56037	CONC	0	0	0	0	0	0
845	ST-MAI-312	1	3	1	PARABOLIC	0.24209	CONC	0	0	0	0	0	0
846	ST-MAI-314	1	3	1	PARABOLIC	0.0148	CONC	0	0	0	0	0	0
606	ST-MAI-315	1.5	0	1	CIRCULAR	0.14772	RCP	0.83	0.02	1.51	0.04	2.45	0.06
607	ST-MAI-316	2	0	1	CIRCULAR	0.01324	RCP	10.69	0.41	18.93	0.73	33.2	1.28
608	ST-MAI-317	2	0	1	CIRCULAR	0.15634	RCP	12.41	0.14	21.96	0.25	36.42	0.41
847	ST-MAI-318	1	3	1	PARABOLIC	0.00303	CONC	0.27	0.03	0.49	0.06	0.78	0.09
609	ST-MAI-319	8	0	1	CIRCULAR	0.00422	RCP	189.62	0.32	352.85	0.6	643.16	1.09
573	ST-MAI-32	1.5	0	1	CIRCULAR	0.06712	RCP	17.17	0.63	30.67	1.13	31.82	1.17
610	ST-MAI-320	3	0	1	CIRCULAR	0.02147	CMP	29	0.55	50.87	0.96	84.43	1.59
611	ST-MAI-321	1.5	0	1	CIRCULAR	0.06116	RCP	0.88	0.03	1.44	0.06	2.28	0.09
612	ST-MAI-322	2	0	1	CIRCULAR	0.02205	RCP	1.42	0.04	2.36	0.07	42.64	1.27
1032	ST-MAI-323	1.5	0	1	CIRCULAR	0.00966	RCP	2.16	0.21	3.64	0.35	5.77	0.56
1033	ST-MAI-324	1	3	1	PARABOLIC	0.18289	Concrete	2.85	0.06	4.81	0.11	7.96	0.18
1034	ST-MAI-325	1.25	0	1	CIRCULAR	0.02919	RCP	0.24	0.02	0.39	0.04	0.61	0.05
1035	ST-MAI-326	1.25	0	1	CIRCULAR	0.01504	HDPE	0.26	0.03	0.43	0.05	0.67	0.08
1036	ST-MAI-327	1.25	0	1	CIRCULAR	0.04105	CMP	0.26	0.04	0.43	0.06	0.67	0.1
1037	ST-MAI-328	1.5	0	1	CIRCULAR	0.06929	RCP	1.88	0.07	3.37	0.12	5.53	0.2
574	ST-MAI-33	2	0	1	CIRCULAR	0.00783	RCP	13.17	0.66	21.47	1.07	28.63	1.43
1038	ST-MAI-330	1.5	0	1	CIRCULAR	0.06189	RCP	6.92	0.26	12.29	0.47	21	0.8
1039	ST-MAI-332	2	0	1	CIRCULAR	0.47947	RCP	3.18	0.02	5.8	0.04	8.85	0.06
1040	ST-MAI-333	2.5	0	1	CIRCULAR	0.01083	RCP	11.83	0.28	20.95	0.49	35.94	0.84
1041	ST-MAI-334	3	0	1	CIRCULAR	0.01081	RCP	21.17	0.31	37.99	0.55	65.42	0.94
1042	ST-MAI-335	1	0	1	CIRCULAR	0.02205	HDPE	3.52	0.67	5.79	1.09	8.05	1.52
1043	ST-MAI-337	1.5	0	1	CIRCULAR	0.15237	RCP	3.37	0.08	3.4	0.08	3.44	0.08
1044	ST-MAI-338	1.5	0	1	CIRCULAR	0.00506	RCP	5.83	0.78	9.07	1.21	13.79	1.85
613	ST-MAI-339	1.5	0	1	CIRCULAR	0.01534	RCP	3.84	0.3	6.81	0.52	11.8	0.91
575	ST-MAI-34	7	0	1	CIRCULAR	0.00263	RCP	167.14	0.51	313.52	0.96	454.65	1.39
614	ST-MAI-340	1.5	0	1	CIRCULAR	0.01929	RCP	4.35	0.3	7.63	0.52	13.11	0.9
615	ST-MAI-341	1.5	0	1	CIRCULAR	0.00704	RCP	3.84	0.44	6.59	0.75	10.47	1.19
616	ST-MAI-342	2	0	1	CIRCULAR	0.0524	HDPE	4.01	0.08	6.87	0.13	11.25	0.22
617	ST-MAI-343	1.5	0	1	CIRCULAR	0.27655	CMP	0	0	0	0	0	0
822	ST-MAI-345	0	0	1	IRREGULAR	0.01478	EAR	0.6	0.2	0.96	0.32	1.51	0.51
1045	ST-MAI-346	1.5	0	1	CIRCULAR	0.19015	CMP	3.46	0.08	5.7	0.12	9.16	0.2
1046	ST-MAI-347	2.5	0	1	CIRCULAR	0.09578	RCP	19.06	0.15	31.75	0.25	43.77	0.34
1047	ST-MAI-348	1.5	0	1	CIRCULAR	0.03988	RCP	1.33	0.06	2.31	0.11	4.13	0.2
1048	ST-MAI-349	1	4	1	RECT_OPEN	0.01066	Concrete	0.15	0.01	0.26	0.01	0.42	0.02
576	ST-MAI-35	4.5	0	1	CIRCULAR	0.00564	RCP	98.16	0.66	178.79	1.21	203.08	1.38
1049	ST-MAI-350	1	8	1	RECT_OPEN	0.00961	Concrete	5.17	0.1	8.53	0.16	13.92	0.26
1050	ST-MAI-351	1	5	1	RECT_OPEN	0.02826	Concrete	0.17	0	0.26	0	0.39	0.01

Proposed Condition Storm Conveyance Results Summary Table

Conveyance Info		Dimensions						2-year		10-year		100-year	
Facility ID	Name	D' or H' (diameter) or (height)	B' (width)	Barrels	Shape	Slope (ft/ft)	Material	Q_{con} (2-year) (cfs)	Qcon vs Qcap3	Q_{con} (10-year) (cfs)	Qcon vs Qcap3	Q_{con} (100-year) (cfs)	Qcon vs Qcap7
870	ST-MAI-352	1.5	0	1	CIRCULAR	0.0106	CMP	5.31	0.49	8.72	0.81	15.05	1.39
871	ST-MAI-353	1.5	0	1	CIRCULAR	0.04587	RCP	6.39	0.28	10.53	0.47	17.97	0.8
872	ST-MAI-354	2	0	1	CIRCULAR	0.00784	RCP	8.04	0.4	13.26	0.66	23.25	1.16
873	ST-MAI-355	0.5	0	1	CIRCULAR	0.87276	PVC	1.17	0.22	1.83	0.35	2.85	0.54
874	ST-MAI-356	3	8	1	RECT_OPEN	0.00915	EAR	1.7	0.02	2.77	0.03	4.44	0.05
875	ST-MAI-357	5	0	1	CIRCULAR	0.00576	RCP	50.55	0.26	60.13	0.3	72.39	0.37
876	ST-MAI-358	1.5	0	1	CIRCULAR	0.04554	RCP	0.94	0.04	1.56	0.07	2.6	0.12
877	ST-MAI-359	5	0	1	CIRCULAR	0.01812	RCP	51.36	0.15	62.85	0.18	76.92	0.22
577	ST-MAI-36	3	0	1	CIRCULAR	0.00379	RCP	25.56	0.62	55.89	1.36	73.48	1.79
878	ST-MAI-361	1	3	1	PARABOLIC	0.02196	Earthen	0.89	0.18	1.33	0.27	1.92	0.4
879	ST-MAI-362	2	0	1	CIRCULAR	0.00517	RCP	1.31	0.08	2.12	0.13	3.41	0.21
880	ST-MAI-363a	3	8	1	RECT_OPEN	0.00056	CONC	1.24	0.06	2.29	0.11	3.91	0.19
1002	ST-MAI-363b	3	8	1	RECT_OPEN	0.00217	CONC	5.31	0.13	9.18	0.23	16.12	0.41
1004	ST-MAI-364_1	3	0	1	CIRCULAR	0.03181	RCP	104.34	0.88	155.15	1.3	155.25	1.31
1005	ST-MAI-364_2	3	0	1	CIRCULAR	0.0469	RCP	104.24	0.72	146.31	1.01	148.4	1.03
881	ST-MAI-365	1.5	0	1	CIRCULAR	0.04287	RCP	2.35	0.11	3.83	0.18	22.05	1.01
882	ST-MAI-366	1.5	0	1	CIRCULAR	0.05768	RCP	9.54	0.38	16.19	0.64	27.33	1.08
883	ST-MAI-368	1.5	0	1	CIRCULAR	0.02149	HDPE	2.01	0.13	3.34	0.22	5.54	0.36
884	ST-MAI-370	2.5	0	1	CIRCULAR	0.00601	RCP	0.37	0.01	0.82	0.03	1.55	0.05
885	ST-MAI-371	2	0	1	CIRCULAR	0.00605	RCP	0.33	0.02	0.62	0.03	2.44	0.14
886	ST-MAI-372	2.5	0	1	CIRCULAR	0.09391	RCP	0.19	0	0.33	0	0.56	0
887	ST-MAI-373	1.5	0	1	CIRCULAR	0.02797	RCP	0.32	0.02	0.56	0.03	0.89	0.05
888	ST-MAI-374	2	0	1	CIRCULAR	0.09948	CMP	1.33	0.03	2.36	0.06	4.82	0.12
889	ST-MAI-375	2.5	0	1	CIRCULAR	0.21096	RCP	33.89	0.18	116.32	0.62	158.79	0.84
890	ST-MAI-376a	1	3	1	PARABOLIC	0.09316	Concrete	0	0	0	0	0	0
990	ST-MAI-376b	1	3	1	PARABOLIC	0.04	Concrete	0.48	0.02	12.2	0.59	13.17	0.64
1051	ST-MAI-377	2	0	1	CIRCULAR	0.1509	CONC	5.05	0.06	7.95	0.09	12.65	0.14
578	ST-MAI-38	5	0	1	CIRCULAR	0.01522	RCP	94.4	0.29	161.61	0.5	271.4	0.84
1052	ST-MAI-380	1.5	0	1	CIRCULAR	0.14643	CMP	2.81	0.13	4.47	0.21	7.02	0.32
1053	ST-MAI-381	1.5	0	1	CIRCULAR	0.00976	RCP	1.43	0.14	2.48	0.24	3.98	0.38
1054	ST-MAI-382	1.5	0	1	CIRCULAR	0.17017	RCP	0.51	0.01	0.88	0.02	1.41	0.03
1055	ST-MAI-383	2	0	1	CIRCULAR	0.04798	HDPE	1.87	0.04	3.43	0.07	5.77	0.12
1056	ST-MAI-384	2	0	1	CIRCULAR	0.46873	HDPE	2.39	0.02	4.33	0.03	7.22	0.05
1057	ST-MAI-385	1.5	0	1	CIRCULAR	0.03969	HDPE	2.56	0.12	4.09	0.2	6.47	0.31
1058	ST-MAI-386	4	0	1	CIRCULAR	0.00333	RCP	16.7	0.2	22.54	0.27	25.41	0.31
1160	ST-MAI-388_1	4	0	1	CIRCULAR	0.10334	Earthen	18.95	0.04	25.64	0.06	30.77	0.07
1161	ST-MAI-388_2	30	20	1	RECT_OPEN	0.10318	Earthen	18.85	0	25.4	0	30.69	0
1059	ST-MAI-389	1.5	0	1	CIRCULAR	0.04903	HDPE	0.86	0.04	1.38	0.06	2.19	0.09
1060	ST-MAI-390	1.5	0	1	CIRCULAR	0.03154	HDPE	0.89	0.05	1.43	0.08	2.27	0.12
1131	ST-MAI-391	1.5	0	1	CIRCULAR	0.03585	HDPE	1.72	0.09	2.77	0.14	4.39	0.22
1061	ST-MAI-392	1.5	0	1	CIRCULAR	0.02862	HDPE	2.6	0.15	4.15	0.23	6.55	0.37
1062	ST-MAI-393	1.5	0	1	CIRCULAR	0.02449	HDPE	0.51	0.03	0.79	0.05	1.24	0.08
1063	ST-MAI-394	1.5	0	1	CIRCULAR	0.01638	HDPE	0.41	0.03	0.63	0.05	0.98	0.07
1064	ST-MAI-395	2	0	1	CIRCULAR	0.02458	RCP	14.2	0.4	25.56	0.72	43.31	1.22
1065	ST-MAI-396	1.5	0	1	CIRCULAR	0.04004	RCP	4.91	0.23	9.06	0.43	15.68	0.75
1066	ST-MAI-397	1.5	0	1	CIRCULAR	0.02909	HDPE	4.21	0.23	6.68	0.37	10.46	0.58
1067	ST-MAI-398	1.5	0	1	CIRCULAR	0.01614	HDPE	0.19	0.01	0.29	0.02	0.45	0.03
1068	ST-MAI-399	1.5	0	1	CIRCULAR	0.03746	HDPE	0.54	0.03	0.82	0.04	1.26	0.06
552	ST-MAI-4	2	0	1	CIRCULAR	0.13082	HDPE	4.53	0.06	7.69	0.09	12.67	0.15
844	ST-MAI-40	1.5	3	1	PARABOLIC	0.0177	CONC	0.83	0.02	1.91	0.05	3.87	0.11
1069	ST-MAI-400	1.5	0	1	CIRCULAR	0.01652	HDPE	1.57	0.12	2.56	0.19	4.05	0.3
1070	ST-MAI-401	1.5	0	1	CIRCULAR	0.03322	HDPE	2.05	0.11	3.3	0.17	5.19	0.27
1071	ST-MAI-402	1.5	0	1	CIRCULAR	0.01452	HDPE	1.03	0.08	1.59	0.13	2.47	0.19
1072	ST-MAI-403	1.5	0	1	CIRCULAR	0.02852	HDPE	1.28	0.07	2	0.11	3.1	0.17
1073	ST-MAI-404	1.5	0	1	CIRCULAR	0.04167	HDPE	4.22	0.2	6.7	0.31	10.48	0.49
1074	ST-MAI-405	1	0	1	CIRCULAR	0.08783	RCP	0.66	0.06	1.05	0.1	1.66	0.16
1075	ST-MAI-406	1.5	0	1	CIRCULAR	0.00621	RCP	2.45	0.3	3.89	0.47	6.12	0.74
1076	ST-MAI-407	1.5	0	1	CIRCULAR	0.02495	RCP	3.52	0.21	5.62	0.34	8.82	0.53
1077	ST-MAI-408	1.5	0	1	CIRCULAR	0.06935	RCP	1.18	0.04	1.84	0.07	2.87	0.1
1078	ST-MAI-409	2	0	1	CIRCULAR	0.10685	RCP	4.79	0.06	7.61	0.1	11.93	0.16
1079	ST-MAI-410	1.5	0	1	CIRCULAR	0.0196	RCP	7.19	0.49	13.89	0.94	23.05	1.57
1080	ST-MAI-411	2.5	0	1	CIRCULAR	0.00366	RCP	9.19	0.37	17.51	0.71	28.81	1.16
1081	ST-MAI-412	1	3	1	PARABOLIC	0.1103	Concrete	0	0	0	0	0	0
1082	ST-MAI-413	1	3	1	PARABOLIC	0.05945	Concrete	0	0	0	0	0	0
1083	ST-MAI-414	1	3	1	PARABOLIC	0.02796	Concrete	1.34	0.08	2.69	0.16	4.62	0.27
1084	ST-MAI-415	1	3	1	PARABOLIC	0.14246	Concrete	1.97	0.05	3.52	0.09	5.79	0.15

Proposed Condition Storm Conveyance Results Summary Table

Conveyance Info		Dimensions						2-year		10-year		100-year	
Facility ID	Name	D' or H' (diameter) or (height)	B' (width)	Barrels	Shape	Slope (ft/ft)	Material	Q_{con} (2-year) (cfs)	Qcon vs Qcap3	Q_{con} (10-year) (cfs)	Qcon vs Qcap3	Q_{con} (100-year) (cfs)	Qcon vs Qcap7
1085	ST-MAI-416	1	3	1	PARABOLIC	0.08587	Concrete	1.37	0.05	2.6	0.09	4.5	0.15
1086	ST-MAI-417	1	3	1	PARABOLIC	0.16413	Concrete	0	0	0	0	0	0
1087	ST-MAI-418	1	3	1	PARABOLIC	0.12316	Concrete	0	0	0	0	0	0
1088	ST-MAI-419	1.5	0	1	CIRCULAR	0.01258	RCP	7.55	0.64	15.36	1.3	26.53	2.25
511	ST-MAI-41a	3.5	0	1	CIRCULAR	0.01599	RCP	51.03	0.4	87.87	0.69	141.13	1.11
546	ST-MAI-41b	3.5	0	1	CIRCULAR	0.03635	RCP	52.61	0.27	90.67	0.47	154.25	0.8
512	ST-MAI-42	3.5	0	1	CIRCULAR	0.02199	RCP	45.61	0.31	69.8	0.47	134.23	0.9
1089	ST-MAI-420	1	3	1	PARABOLIC	0.08133	Concrete	0	0	0	0	0	0
1090	ST-MAI-421	1	3	1	PARABOLIC	0.00505	Concrete	1.81	0.25	3.38	0.46	5.67	0.77
1091	ST-MAI-422	1.5	0	1	CIRCULAR	0.00934	RCP	3.22	0.32	5.82	0.57	10.35	1.02
1092	ST-MAI-423	3	0	1	CIRCULAR	0.00838	RCP	5.51	0.09	9.88	0.16	17.41	0.29
1093	ST-MAI-424	2	0	1	CIRCULAR	0.06925	RCP	3.88	0.07	7.16	0.12	11.9	0.2
1094	ST-MAI-425	2.5	0	1	CIRCULAR	0.05923	RCP	10.94	0.11	20.02	0.2	33.95	0.34
1095	ST-MAI-426	3	0	1	CIRCULAR	0.03148	RCP	16.84	0.14	30.29	0.26	53.22	0.45
1096	ST-MAI-427	3	0	1	CIRCULAR	0.06807	RCP	10.88	0.06	20.15	0.12	35.07	0.2
1097	ST-MAI-428	1.5	0	1	CIRCULAR	0.06224	RCP	1.07	0.04	1.91	0.07	3.52	0.13
1098	ST-MAI-429	4	0	1	CIRCULAR	0.01105	RCP	26.68	0.18	50.95	0.34	88.17	0.58
1099	ST-MAI-430	1.5	0	1	CIRCULAR	0.07414	RCP	0.64	0.02	1.14	0.04	1.87	0.07
1100	ST-MAI-431	4	0	1	CIRCULAR	0.03938	RCP	26.1	0.09	49.85	0.17	85.8	0.3
618	ST-MAI-432	2.5	0	1	CIRCULAR	0.02111	RCP	16.97	0.28	28.57	0.48	47.2	0.79
619	ST-MAI-433	2.5	0	1	CIRCULAR	0.06037	RCP	24.28	0.24	41.34	0.41	69.14	0.69
620	ST-MAI-434	1.5	0	1	CIRCULAR	0.01887	RCP	5.17	0.36	9.49	0.66	16.78	1.16
621	ST-MAI-437	2	0	1	CIRCULAR	0.04587	RCB	21.01	0.43	37.3	0.77	55.61	1.15
622	ST-MAI-438	2	0	1	CIRCULAR	0.02502	RCP	12.6	0.35	22.59	0.63	35.36	0.99
623	ST-MAI-439	2	0	1	CIRCULAR	0.02587	RCP	11.2	0.31	20.07	0.55	33.26	0.91
513	ST-MAI-44	3	0	1	CIRCULAR	0.04382	RCP	36.19	0.26	55.54	0.4	125.23	0.9
624	ST-MAI-440	1.5	0	1	CIRCULAR	0.02778	CMP	3.17	0.33	8.36	0.88	12.51	1.32
625	ST-MAI-441	2	0	1	CIRCULAR	0.01345	HDPE	6.31	0.24	11.37	0.43	19.12	0.73
626	ST-MAI-442	1.5	0	1	CIRCULAR	0.12358	ABS	4.19	0.11	8.5	0.23	17.71	0.48
627	ST-MAI-443	4	0	1	CIRCULAR	0.0162	RCP	72.19	0.39	120.89	0.66	209.43	1.15
628	ST-MAI-444	2	0	1	CIRCULAR	0.07062	CMP	0.76	0.02	1.32	0.04	1.97	0.06
629	ST-MAI-445	4	0	1	CIRCULAR	0.01712	RCP	78.79	0.42	132.95	0.71	227.57	1.21
630	ST-MAI-446	4	0	1	CIRCULAR	0.03356	RCP	61.5	0.23	101.77	0.39	182.22	0.69
631	ST-MAI-447	4	0	1	CIRCULAR	0.00678	RCP	61.41	0.52	101.66	0.86	182.6	1.54
632	ST-MAI-448	4	0	1	CIRCULAR	0.0181	RCP	59.12	0.31	97.52	0.5	175	0.91
633	ST-MAI-449	1	0	1	CIRCULAR	0.05178	RCP	3.73	0.46	6.69	0.83	10.15	1.25
634	ST-MAI-452	3	0	1	CIRCULAR	0.03747	RCP	25.11	0.19	44.74	0.35	81.55	0.63
635	ST-MAI-453	1.5	0	1	CIRCULAR	0.0509	CMP	5.4	0.23	10.37	0.44	18.46	0.78
636	ST-MAI-454	3	0	1	CIRCULAR	0.09784	CMP	10.59	0.05	19.2	0.09	35.1	0.17
637	ST-MAI-455	6	0	1	CIRCULAR	0.03933	RCP	118.12	0.14	245.92	0.29	302.13	0.36
638	ST-MAI-456	1.5	0	1	CIRCULAR	0.01682	ABS	2.78	0.2	4.75	0.35	7.91	0.58
639	ST-MAI-457	1.5	0	1	CIRCULAR	0.2452	ABS	2.77	0.05	4.74	0.09	7.89	0.15
640	ST-MAI-458	1.5	0	1	CIRCULAR	0.02226	ABS	5.64	0.36	9.75	0.62	16.34	1.04
641	ST-MAI-459	1.5	0	1	CIRCULAR	0.06198	ABS	5.63	0.22	9.73	0.37	16.33	0.62
514	ST-MAI-46	2	0	1	CIRCULAR	0.00607	RCP	4.87	0.28	8.74	0.5	14.45	0.82
642	ST-MAI-461	6	0	1	CIRCULAR	0.01527	RCP	119.29	0.23	270.63	0.52	345.91	0.66
1101	ST-MAI-462	3	0	1	CIRCULAR	0.06046	RCP	19.37	0.12	34.42	0.21	60.55	0.37
1102	ST-MAI-463	3	0	1	CIRCULAR	0.0082	RCP	19.38	0.32	34.44	0.57	60.41	1
1103	ST-MAI-464	3	0	1	CIRCULAR	0.10425	RCP	11.41	0.05	20.68	0.1	37.05	0.17
1104	ST-MAI-467	1.5	0	1	CIRCULAR	0.00806	CMP	6.55	1.28	9.47	1.85	13.38	2.62
1105	ST-MAI-468	1	3	1	PARABOLIC	0.02293	Concrete	0.14	0.01	0.22	0.01	0.35	0.02
1106	ST-MAI-469	1	3	1	PARABOLIC	0.0766	Concrete	0.17	0.01	0.27	0.01	0.43	0.02
1007	ST-MAI-47	2	0	1	CIRCULAR	0.01033	RCP	10.85	0.47	19.02	0.83	29	1.26
1107	ST-MAI-470	1	3	1	PARABOLIC	0.07132	Concrete	0.16	0.01	0.24	0.01	0.37	0.01
1108	ST-MAI-471	1.5	0	1	CIRCULAR	0.02264	RCP	1.34	0.09	2.45	0.16	4.03	0.25
1109	ST-MAI-472	2	0	1	CIRCULAR	0.00787	RCP	7.67	0.38	13.39	0.67	21.18	1.06
1110	ST-MAI-473	2	0	1	CIRCULAR	0.03829	RCP	14.65	0.33	26.03	0.59	42.9	0.97
1111	ST-MAI-474	2	0	1	CIRCULAR	0.04249	RCP	14.64	0.31	26.01	0.56	41.87	0.9
1112	ST-MAI-475	2	0	1	CIRCULAR	0.00322	RCP	8.83	0.69	16.18	1.26	27.93	2.18
1113	ST-MAI-477	1	3	1	PARABOLIC	0.02076	Concrete	0.11	0.01	0.2	0.01	0.32	0.02
1114	ST-MAI-478	1	3	1	PARABOLIC	0.00678	Earthen	0.53	0.2	1.15	0.43	1.88	0.7
1115	ST-MAI-479	1	3	1	PARABOLIC	0.22115	Concrete	0.09	0	0.15	0	0.24	0
1008	ST-MAI-48	2	0	1	CIRCULAR	0.01891	RCP	9.41	0.3	16.5	0.53	27.21	0.87
1116	ST-MAI-480	1	3	1	PARABOLIC	0.10536	Concrete	0.18	0.01	0.31	0.01	0.49	0.01
1117	ST-MAI-481	2	0	1	CIRCULAR	0.22315	Concrete	2.98	0.04	5.41	0.07	9.25	0.13
1118	ST-MAI-482	1	3	1	PARABOLIC	0.13959	Concrete	0	0	0	0	0	0

Proposed Condition Storm Conveyance Results Summary Table

Conveyance Info		Dimensions						2-year		10-year		100-year	
Facility ID	Name	D' or H' (diameter) or (height)	B' (width)	Barrels	Shape	Slope (ft/ft)	Material	Q_{con} (2-year) (cfs)	Qcon vs Qcap3	Q_{con} (10-year) (cfs)	Qcon vs Qcap3	Q_{con} (100-year) (cfs)	Qcon vs Qcap7
643	ST-MAI-483	2	0	1	CIRCULAR	0.00435	ABS	7.11	0.48	12.66	0.85	21.74	1.46
1119	ST-MAI-484	0.5	0	1	CIRCULAR	0.04295	ABS	0	0	0	0	0.01	0
1120	ST-MAI-485	0.5	0	1	CIRCULAR	0.01097	ABS	0.03	0.05	0.05	0.08	0.08	0.13
1121	ST-MAI-486	1	3	1	PARABOLIC	0.0406	Concrete	0.06	0	0.11	0.01	0.17	0.01
1122	ST-MAI-487	1.5	0	1	CIRCULAR	0.0334	RCP	1.28	0.07	2.32	0.12	3.85	0.2
1123	ST-MAI-488	1.5	0	1	CIRCULAR	0.0967	RCP	1.31	0.04	2.51	0.08	4.11	0.13
1124	ST-MAI-489	1.5	0	1	CIRCULAR	0.04935	ABS	2.05	0.09	3.55	0.15	3.91	0.17
1	ST-MAI-49	3	0	1	CIRCULAR	0.01085	CMP	20.55	0.55	36.32	0.97	45.88	1.22
1125	ST-MAI-490	1	3	1	PARABOLIC	0.10272	Concrete	0.69	0.02	1.2	0.04	1.94	0.06
1126	ST-MAI-491	1.5	0	1	CIRCULAR	0.0152	RCP	0.83	0.06	1.51	0.12	2.43	0.19
1127	ST-MAI-492	1	3	1	PARABOLIC	0.31425	Concrete	0.08	0	0.12	0	0.18	0
1128	ST-MAI-493	1	3	1	PARABOLIC	0.16378	Concrete	0.53	0.01	1.06	0.03	1.78	0.04
1129	ST-MAI-494	1	3	1	PARABOLIC	0.04039	Concrete	0.23	0.01	0.45	0.02	0.75	0.04
644	ST-MAI-497	1.5	0	1	CIRCULAR	0.0219	RCP	4.47	0.29	8.15	0.52	13.87	0.89
645	ST-MAI-498	1.5	0	1	CIRCULAR	0.01514	RCP	5.65	0.44	10.24	0.79	16.59	1.28
646	ST-MAI-499	1.5	0	1	CIRCULAR	0.01978	RCP	5.55	0.38	10.07	0.68	14.41	0.98
553	ST-MAI-5	1.5	0	1	CIRCULAR	0.00456	HDPE	4.05	0.57	6.9	0.97	11.34	1.6
2	ST-MAI-50	3	0	1	CIRCULAR	0.03154	CONC	26.6	0.22	44.87	0.38	74.3	0.63
647	ST-MAI-501	1.5	0	1	CIRCULAR	0.10703	RCP	1.18	0.03	4.02	0.12	10.15	0.3
648	ST-MAI-502	4	0	1	CIRCULAR	0.00646	RCP	39.62	0.34	69.67	0.6	126.67	1.1
649	ST-MAI-503	4	0	1	CIRCULAR	0.00902	RCP	54.04	0.4	91.18	0.67	164.49	1.21
650	ST-MAI-504	4	0	1	CIRCULAR	0.0122	RCP	55.26	0.35	92.49	0.58	166.49	1.05
651	ST-MAI-505	4	0	1	CIRCULAR	0.00327	RCP	27.15	0.33	41.96	0.51	67.44	0.82
652	ST-MAI-506	2.25	0	1	CIRCULAR	0.0409	ABS	3.15	0.05	6.02	0.1	10.79	0.17
653	ST-MAI-507	2	0	1	CIRCULAR	0.02557	ABS	1.34	0.04	2.32	0.06	3.86	0.11
654	ST-MAI-508	2	0	1	CIRCULAR	0.01378	ABS	1.3	0.05	2.26	0.09	3.77	0.14
655	ST-MAI-509	1.5	0	1	CIRCULAR	0.15746	CMP	1.36	0.06	2.37	0.1	3.9	0.17
3	ST-MAI-51	3.5	0	1	CIRCULAR	0.06161	CMP	24.11	0.18	33.45	0.25	41.62	0.31
842	ST-MAI-511	1	3	1	PARABOLIC	0.01145	CONC	2.34	0.15	3.35	0.21	5.27	0.33
656	ST-MAI-512	1.5	0	1	CIRCULAR	0.00884	RCP	2.34	0.24	4.18	0.42	7.05	0.71
657	ST-MAI-513	0.92	2.67	1	RECT_CLOSED	0.00802	RCB	2.57	0.21	4.63	0.38	7.77	0.63
658	ST-MAI-515	2	0	1	CIRCULAR	0.00666	RCP	10.88	0.59	19.37	1.05	28.4	1.54
841	ST-MAI-516	1	1.5	1	PARABOLIC	0.03101	CONC	10.95	1.03	13.54	1.28	13.63	1.29
659	ST-MAI-519	1.5	0	1	CIRCULAR	0.07756	RCP	7.03	0.24	7.39	0.25	7.59	0.26
4	ST-MAI-52	3	0	1	CIRCULAR	0.05399	SP	16.85	0.2	30.06	0.36	36.16	0.43
839	ST-MAI-520	1	3	1	PARABOLIC	0.02734	CONC	0.55	0.02	0.99	0.04	1.6	0.06
859	ST-MAI-521	0.33	0	1	CIRCULAR	0.13726	HDPE	0.87	1.26	0.87	1.26	0.87	1.26
660	ST-MAI-522	3	0	1	CIRCULAR	0.00492	RCP	20.26	0.43	31.75	0.68	44.67	0.95
661	ST-MAI-523	3	0	1	CIRCULAR	0.01641	RCP	40.31	0.47	60.2	0.7	59.58	0.7
662	ST-MAI-524	4	0	1	CIRCULAR	0.00819	RCP	85.12	0.65	154.37	1.19	173.31	1.33
663	ST-MAI-525	4	0	1	CIRCULAR	0.03748	RCP	85.06	0.31	153.25	0.55	172.37	0.62
664	ST-MAI-526	4	0	1	CIRCULAR	0.00833	RCP	93.23	0.71	167.44	1.28	182.17	1.39
665	ST-MAI-527	3	0	1	CIRCULAR	0.00403	RCP	23.31	0.55	37.41	0.88	51.48	1.22
666	ST-MAI-528	3	0	1	CIRCULAR	0.02132	RCP	4.78	0.05	8.57	0.09	15.21	0.16
667	ST-MAI-529	3	0	1	CIRCULAR	0.05786	RCP	18.07	0.11	32.36	0.2	57.54	0.36
5	ST-MAI-53	1.5	0	1	CIRCULAR	0.09632	RCP	8.01	0.25	13.75	0.42	22.14	0.68
668	ST-MAI-530	3	0	1	CIRCULAR	0.03919	RCP	17.98	0.14	32.23	0.24	57.46	0.44
669	ST-MAI-531	3	0	1	CIRCULAR	0.01655	RCP	17.86	0.21	29.43	0.34	56.93	0.66
670	ST-MAI-533	3	0	1	CIRCULAR	0.03188	RCP	27.84	0.23	51.02	0.43	89.93	0.76
671	ST-MAI-534	3	0	1	CIRCULAR	0.00483	RCP	27.01	0.58	54.02	1.17	96.57	2.08
672	ST-MAI-535	3	0	1	CIRCULAR	0.01531	RCP	13.86	0.17	22.87	0.28	38.88	0.47
673	ST-MAI-536	3	0	1	CIRCULAR	0.07015	RCP	13.13	0.07	23.55	0.13	41.95	0.24
837	ST-MAI-538	1	5.5	1	PARABOLIC	0.01489	ASPHALT	0.21	0.01	0.34	0.01	0.53	0.02
674	ST-MAI-539	2.5	0	1	CIRCULAR	0.01333	RCP	28.05	0.59	49.39	1.04	78.23	1.65
675	ST-MAI-540	2.5	0	1	CIRCULAR	0.05245	CMP	28.19	0.3	49.61	0.53	78.58	0.84
676	ST-MAI-541	3	0	1	CIRCULAR	0.02697	RCP	28.65	0.26	50.53	0.46	79.28	0.72
677	ST-MAI-542	3	0	1	CIRCULAR	0.01712	RCP	35.09	0.4	62.05	0.71	97.88	1.12
678	ST-MAI-543	3	0	1	CIRCULAR	0.00358	RCP	5.66	0.14	10.23	0.26	17.69	0.44
679	ST-MAI-544	3	0	1	CIRCULAR	0.00366	CMP	29.91	0.74	53.97	1.34	79.01	1.96
680	ST-MAI-548	1.5	0	1	CIRCULAR	0.01859	RCP	6.59	0.46	11.35	0.79	16.31	1.14
681	ST-MAI-549	1.5	0	1	CIRCULAR	0.01746	RCP	8	0.58	13.82	1	15.62	1.13
579	ST-MAI-54a	1.5	0	1	CIRCULAR	0.04267	RCP	4.65	0.21	6.18	0.28	6.5	0.3
784	ST-MAI-54b	1.5	0	1	CIRCULAR	0.36144	RCP	2.41	0.04	3.73	0.06	5.53	0.09
580	ST-MAI-55	0	0	1	IRREGULAR	0.01301	CONC	353.01	0.12	640.27	0.22	1016.91	0.35
682	ST-MAI-550	1.5	0	1	CIRCULAR	0.02067	RCP	9.54	0.63	16.24	1.08	19.05	1.26
683	ST-MAI-551	2	0	1	CIRCULAR	0.01369	RCP	13.01	0.49	22.48	0.85	30.81	1.16

Proposed Condition Storm Conveyance Results Summary Table

Conveyance Info		Dimensions						2-year		10-year		100-year	
Facility ID	Name	D' or H' (diameter) or (height)	B' (width)	Barrels	Shape	Slope (ft/ft)	Material	Q_{con} (2-year) (cfs)	Qcon vs Qcap3	Q_{con} (10-year) (cfs)	Qcon vs Qcap3	Q_{con} (100-year) (cfs)	Qcon vs Qcap7
684	ST-MAI-552	2.5	0	1	CIRCULAR	0.01937	RCP	13.15	0.23	22.7	0.4	30.83	0.54
685	ST-MAI-553	2.5	0	1	CIRCULAR	0.01908	HDPE	15.7	0.28	27.54	0.49	39.62	0.7
686	ST-MAI-554	2.5	0	1	CIRCULAR	0.02612	RCP	17.68	0.27	30.86	0.47	45.32	0.68
840	ST-MAI-556	0	0	1	IRREGULAR	0.01988	EAR	7.24	0	11.9	0	19.94	0
836	ST-MAI-557	1	3	1	PARABOLIC	0.02879	EAR	0	0	0	0	0	0
1130	ST-MAI-559	1	3	1	PARABOLIC	0.27003	Concrete	0.13	0	0.22	0	0.35	0.01
6	ST-MAI-56	6	0	1	CIRCULAR	0.00199	RCP	110.08	0.58	212.93	1.13	272.08	1.44
891	ST-MAI-560	6	0	1	CIRCULAR	0.00114	RCP	274.05	1.91	375.58	2.62	456.55	3.19
892	ST-MAI-561	6	0	1	CIRCULAR	0.00155	RCP	254.72	1.53	337.99	2.03	450.27	2.7
893	ST-MAI-562	6	0	1	CIRCULAR	0.0177	RCP	270.2	0.48	359.91	0.64	451.59	0.8
894	ST-MAI-563	6	0	1	CIRCULAR	0.02642	RCP	255.97	0.37	336.33	0.49	438.32	0.64
895	ST-MAI-564	4.5	0	1	CIRCULAR	0.013	RCP	75.28	0.34	131.89	0.59	201.72	0.9
896	ST-MAI-565	3	0	2	CIRCULAR	0.01661	RCP	58.65	0.34	100.17	0.58	139.29	0.81
897	ST-MAI-566	2	0	1	CIRCULAR	0.02256	CMP	6.14	0.18	10.46	0.31	14.21	0.42
898	ST-MAI-567	2	0	1	CIRCULAR	0.04862	PVC	6.38	0.13	11.31	0.23	18.87	0.38
899	ST-MAI-568	1.5	0	1	CIRCULAR	0.00483	RCP	0.63	0.09	1.07	0.15	1.68	0.23
900	ST-MAI-569	1.5	0	1	CIRCULAR	0.07683	RCP	3.12	0.11	5.2	0.18	8.24	0.28
7	ST-MAI-57	5	0	1	CIRCULAR	0.00776	CMP	189.11	0.82	275.46	1.2	303.12	1.32
901	ST-MAI-570	1.5	0	1	CIRCULAR	0.3513	RCP	3.41	0.05	5.67	0.09	8.99	0.14
902	ST-MAI-571	4	0	1	CIRCULAR	0.01352	RCP	119.1	0.71	165.17	0.99	183.63	1.1
903	ST-MAI-572	3.5	0	2	CIRCULAR	0.05692	RCP	150.22	0.31	204.88	0.43	237.03	0.49
904	ST-MAI-573	3.5	0	2	CIRCULAR	0.02261	RCB	142.84	0.47	201.6	0.67	237.07	0.78
905	ST-MAI-574	1.5	0	1	CIRCULAR	0.01132	RCP	5.7	0.51	9.58	0.86	15.29	1.37
906	ST-MAI-575	3	0	1	CIRCULAR	0.02844	RCP	45.25	0.4	77.65	0.69	146.57	1.3
907	ST-MAI-576	1.5	0	1	CIRCULAR	0.01439	RCP	0.02	0	0.03	0	4.36	0.35
908	ST-MAI-577	1.5	0	1	CIRCULAR	0.04342	RCP	11.19	0.51	18.94	0.87	23.52	1.07
909	ST-MAI-578	2.75	0	1	CIRCULAR	0.01865	RCP	33.79	0.47	56.54	0.78	119.92	1.66
910	ST-MAI-579	1.5	0	1	CIRCULAR	0.10633	RCP	0	0	0	0	0	0
8	ST-MAI-58	5	0	1	CIRCULAR	0.00575	RCP	125.48	0.64	182.86	0.93	196.24	0.99
911	ST-MAI-580	1.5	0	1	CIRCULAR	0.01936	RCP	4.71	0.32	7.96	0.54	13.01	0.89
912	ST-MAI-581	1.5	0	1	CIRCULAR	0.06851	CMP	6.44	0.43	10.77	0.72	16.08	1.08
913	ST-MAI-583	0.67	0	1	CIRCULAR	0.03324	ABS	0	0	0	0	0	0
914	ST-MAI-587	2.5	0	1	CIRCULAR	0.00743	RCP	14.67	0.41	25.56	0.72	45.46	1.29
90	ST-MAI-588	1.5	0	1	CIRCULAR	-0.01328	RCP	0.16	0.01	0.25	0.02	0.4	0.03
91	ST-MAI-589	3	0	1	CIRCULAR	0.01791	RCP	38.86	0.44	69.79	0.78	96.81	1.08
9	ST-MAI-59	2.5	0	1	CIRCULAR	0.02058	RCP	7.9	0.13	14.48	0.25	25.59	0.43
92	ST-MAI-590	3	0	1	CIRCULAR	0.00752	RCP	29.49	0.51	54.3	0.94	71.87	1.24
93	ST-MAI-591	2.5	0	1	CIRCULAR	0.0369	RCP	17.46	0.22	33.11	0.42	41.14	0.52
94	ST-MAI-592	2.5	0	1	CIRCULAR	0.01465	HDPE	16.89	0.34	32.12	0.65	39.49	0.8
95	ST-MAI-593	1	0	1	CIRCULAR	0.07241	HDPE	0.65	0.07	1.1	0.11	1.76	0.18
96	ST-MAI-594	2	0	1	CIRCULAR	0.0205	RCP	16.03	0.49	30.72	0.95	37.38	1.15
97	ST-MAI-595	2	0	1	CIRCULAR	0.02143	RCP	9.33	0.28	15.56	0.47	25.13	0.76
98	ST-MAI-596	2	0	1	CIRCULAR	0.01468	RCP	12.58	0.46	22.22	0.81	31	1.13
99	ST-MAI-597	1	0	1	CIRCULAR	0.0449	ABS	0.74	0.1	1.19	0.16	2.09	0.28
100	ST-MAI-598	2	0	1	CIRCULAR	0.01632	RCP	8.67	0.3	14.47	0.5	23.38	0.81
101	ST-MAI-599	1.5	0	1	CIRCULAR	0.00337	RCP	2.69	0.44	4.43	0.73	6.91	1.13
554	ST-MAI-6	1.5	0	1	CIRCULAR	0.19239	HDPE	0.62	0.01	0.96	0.02	1.47	0.03
10	ST-MAI-60	2	0	1	CIRCULAR	0.01358	RCP	9.35	0.35	15.71	0.6	19.94	0.76
102	ST-MAI-600	1.5	0	1	CIRCULAR	0.00462	RCP	3.08	0.43	5.16	0.72	7.17	1
103	ST-MAI-601	1.5	0	1	CIRCULAR	0.00992	RCP	3.01	0.29	4.96	0.47	7.21	0.69
104	ST-MAI-602	1.5	0	1	CIRCULAR	0.01926	RCP	3.02	0.21	5.01	0.34	7.87	0.54
105	ST-MAI-603	2	0	1	CIRCULAR	0.0127	RCP	12.08	0.47	20.89	0.82	29.8	1.17
106	ST-MAI-604	2	0	1	CIRCULAR	0.03828	RCP	9.27	0.21	18.38	0.42	30.21	0.68
107	ST-MAI-605	2.5	0	1	CIRCULAR	0.00368	RCP	0.31	0.01	0.7	0.03	1.44	0.06
108	ST-MAI-607	6	0	1	CIRCULAR	0.00103	RCP	39.88	0.29	71.65	0.53	98.37	0.73
109	ST-MAI-608	3	0	1	CIRCULAR	0.01924	RCP	39.37	0.43	70.52	0.76	97.93	1.06
110	ST-MAI-609	2.5	0	1	CIRCULAR	0.01792	RCP	0	0	0	0	0	0
11	ST-MAI-61	2	0	1	CIRCULAR	0.03195	RCP	22.98	0.57	37.52	0.93	39.02	0.96
111	ST-MAI-610	2.5	0	1	CIRCULAR	0.03125	RCP	0	0	0	0	0	0
112	ST-MAI-611	4	0	1	CIRCULAR	0.00867	RCP	62.19	0.46	187.67	1.4	190.01	1.42
113	ST-MAI-612	2.5	0	1	CIRCULAR	0.11215	RCP	0.72	0.01	16.42	0.12	17.47	0.13
114	ST-MAI-613	1.5	0	1	CIRCULAR	0.03885	RCP	11.03	0.53	19.39	0.94	22.66	1.09
115	ST-MAI-614	2.5	0	1	CIRCULAR	0.00731	RCP	11.72	0.33	24.6	0.7	40.51	1.15
116	ST-MAI-615	3.5	0	1	CIRCULAR	0.00581	RCP	36.26	0.47	87.42	1.14	108.9	1.42
687	ST-MAI-620	1.5	0	1	CIRCULAR	0.01189	RCP	4.66	0.41	8.04	0.7	12.36	1.08
688	ST-MAI-621	2	0	1	CIRCULAR	0.01529	RCP	7.54	0.27	13.03	0.47	22.6	0.81

Proposed Condition Storm Conveyance Results Summary Table

Conveyance Info		Dimensions						2-year		10-year		100-year	
Facility ID	Name	D' or H' (diameter) or (height)	B' (width)	Barrels	Shape	Slope (ft/ft)	Material	Q_{con} (2-year) (cfs)	Qcon vs Qcap3	Q_{con} (10-year) (cfs)	Qcon vs Qcap3	Q_{con} (100-year) (cfs)	Qcon vs Qcap7
689	ST-MAI-622	1.5	0	1	CIRCULAR	0.02304	RCP	0.73	0.05	1.42	0.09	2.51	0.16
690	ST-MAI-623	1	0	1	CIRCULAR	0.03061	PVC	0.2	0.03	0.45	0.07	0.87	0.14
691	ST-MAI-624	1.5	0	1	CIRCULAR	0.01932	RCP	4.02	0.28	6.77	0.46	10.92	0.75
692	ST-MAI-626	2	0	1	CIRCULAR	0.01945	RCP	12.14	0.38	21.02	0.67	33.86	1.07
693	ST-MAI-627	1.5	0	1	CIRCULAR	0.00379	HDPE	0.9	0.14	1.57	0.24	2.64	0.41
694	ST-MAI-628	2.5	0	1	CIRCULAR	0.00328	RCP	13.07	0.56	22.67	0.97	36.37	1.55
695	ST-MAI-629	2	0	1	CIRCULAR	0.0285	RCB	16.98	0.44	29.83	0.78	53.75	1.41
475	ST-MAI-62a	2	0	1	CIRCULAR	0.02354	RCP	15.39	0.44	27.29	0.79	34.47	0.99
12	ST-MAI-62b	2	0	1	CIRCULAR	0.03063	RCP	17.63	0.45	29.94	0.76	38.04	0.96
696	ST-MAI-630	2.5	0	1	CIRCULAR	0.01699	RCP	17.03	0.32	29.91	0.56	53.87	1.01
697	ST-MAI-631	3	0	1	CIRCULAR	0.01088	RCP	28.08	0.4	42.34	0.61	52.38	0.75
698	ST-MAI-632	4.5	0	1	CIRCULAR	0.01269	RCP	113.56	0.51	206.22	0.93	279.27	1.26
699	ST-MAI-633	1.5	0	1	CIRCULAR	0.00444	RCP	2.05	0.29	3.58	0.51	5.87	0.84
700	ST-MAI-634	1.5	0	1	CIRCULAR	0.05891	RCP	4.23	0.17	7.36	0.29	12.11	0.47
701	ST-MAI-635	1.5	0	1	CIRCULAR	0.0115	RCP	5.1	0.45	8.72	0.77	15.39	1.37
702	ST-MAI-636	6	0	1	CIRCULAR	0.00425	RCP	152.69	0.55	267.56	0.97	356.08	1.29
703	ST-MAI-637	1.5	0	1	CIRCULAR	0.05139	RCP	1.51	0.06	4.76	0.2	13.41	0.56
704	ST-MAI-638	2.5	0	1	CIRCULAR	0.05264	RCP	3.2	0.03	8.68	0.09	30.16	0.32
705	ST-MAI-639	6	0	1	CIRCULAR	0.04159	RCP	2.14	0	16.75	0.02	13.69	0.02
13	ST-MAI-63a	2.5	0	1	CIRCULAR	0.05905	CONC	13.99	0.14	25.4	0.25	45.89	0.46
217	ST-MAI-63b	2.5	0	1	CIRCULAR	0.00317	CONC	14.55	0.63	27.81	1.2	50.77	2.2
706	ST-MAI-640	6	0	1	CIRCULAR	0.00316	RCP	158.45	0.67	275.5	1.16	357.73	1.5
707	ST-MAI-641	1.5	0	1	CIRCULAR	0.13892	RCP	8	0.2	14.17	0.36	22.85	0.58
708	ST-MAI-642	6	0	1	CIRCULAR	0.00623	RCP	157.37	0.47	277.39	0.83	354.87	1.06
709	ST-MAI-643	4.5	0	1	CIRCULAR	0.01699	RCP	162.83	0.64	285.96	1.12	291.73	1.14
710	ST-MAI-644	6	0	1	CIRCULAR	0.00709	RCB	162.69	0.46	286.18	0.8	350.94	0.98
711	ST-MAI-645	2.5	0	1	CIRCULAR	0.06048	RCP	19.31	0.19	31.55	0.31	41.46	0.41
712	ST-MAI-646	2.5	0	1	CIRCULAR	0.01602	RCP	19.84	0.38	32.38	0.62	42.29	0.81
713	ST-MAI-647	2	0	1	CIRCULAR	0.02815	RCP	21.08	0.56	34.3	0.9	41.7	1.1
714	ST-MAI-648	2.5	0	1	CIRCULAR	0.02162	RCP	31.7	0.53	52.04	0.86	59.99	0.99
715	ST-MAI-649	2.5	0	1	CIRCULAR	0.01984	RCP	40.15	0.7	63.58	1.1	66.84	1.16
915	ST-MAI-65	4	0	1	CIRCULAR	0.00573	RCP	45.24	0.42	77.57	0.71	148.52	1.37
716	ST-MAI-650	3	0	1	CIRCULAR	0.00814	RCP	41.75	0.69	65.69	1.09	72.38	1.2
717	ST-MAI-651	3	0	1	CIRCULAR	0.03267	RCP	41.76	0.35	65.02	0.54	72.67	0.6
718	ST-MAI-652	4	0	1	CIRCULAR	0.0209	RCP	45.55	0.22	70.06	0.34	85.57	0.41
719	ST-MAI-653	6	0	1	CIRCULAR	0.0082	RCP	152.02	0.4	266.75	0.7	318.26	0.83
834	ST-MAI-654	6	0	1	CIRCULAR	0.00644	RCP	152.71	0.45	267.66	0.79	356.37	1.05
720	ST-MAI-655	6	0	1	CIRCULAR	0.00995	RCP	118	0.28	213.08	0.5	309.61	0.73
721	ST-MAI-656	6	0	1	CIRCULAR	0.00569	RCP	152.02	0.48	266.37	0.83	317.59	0.99
722	ST-MAI-657	2	0	1	CIRCULAR	0.00637	CMP	4.46	0.46	7.13	0.73	11.27	1.15
723	ST-MAI-658	2.5	0	1	CIRCULAR	0.02738	RCP	27.93	0.41	45.87	0.68	59.65	0.88
823	ST-MAI-659	2	0	1	CIRCULAR	0.04327	RCP	5.63	0.12	9.73	0.21	16.53	0.35
14	ST-MAI-66	2	0	1	CIRCULAR	0.02474	RCP	10.68	0.3	18.64	0.52	30.39	0.85
724	ST-MAI-663	1	0	1	CIRCULAR	0.06675	ABS	4.08	0.44	7.26	0.79	10.01	1.09
725	ST-MAI-664	2	0	1	CIRCULAR	0.01744	HDPE	14.38	0.48	24.16	0.81	26.52	0.89
726	ST-MAI-665	1.5	0	1	CIRCULAR	0.01806	HDPE	1.41	0.1	2.52	0.18	4.14	0.29
727	ST-MAI-666	1.5	0	1	CIRCULAR	0.03489	HDPE	1.4	0.07	2.5	0.13	4.11	0.21
728	ST-MAI-667	2	0	1	CIRCULAR	0.00705	HDPE	9.18	0.48	15.57	0.82	17.59	0.93
729	ST-MAI-668	1	0	1	CIRCULAR	0.1717	HDPE	1.22	0.08	2.12	0.14	4.25	0.29
730	ST-MAI-669	1	0	1	CIRCULAR	0.02095	HDPE	6.02	1.17	6.07	1.18	6.1	1.18
15	ST-MAI-67	1.75	0	1	CIRCULAR	0.09901	RCP	10.56	0.21	18.47	0.37	31.75	0.64
731	ST-MAI-670	1.5	0	1	CIRCULAR	0.01308	RCP	5.75	0.48	11.13	0.93	12.23	1.02
732	ST-MAI-671	1	0	1	CIRCULAR	0.05481	ABS	2.41	0.29	4.78	0.57	5.24	0.63
733	ST-MAI-672	1.5	0	1	CIRCULAR	0.01369	RCP	3.22	0.26	5.78	0.47	9.65	0.79
734	ST-MAI-673	1.5	0	1	CIRCULAR	0.01785	CMP	3.2	0.42	5.72	0.75	9.78	1.29
735	ST-MAI-674	2	0	1	CIRCULAR	0.02373	CMP	9.56	0.51	17.21	0.91	24.72	1.31
736	ST-MAI-675	1.5	0	1	CIRCULAR	0.02559	RCP	2.6	0.15	4.56	0.27	7.42	0.44
737	ST-MAI-676	2.5	0	1	CIRCULAR	0.02648	RCP	21.75	0.33	38.8	0.58	60.67	0.91
738	ST-MAI-677	2.5	0	1	CIRCULAR	0.03535	RCP	21.72	0.28	38.52	0.5	59.58	0.77
739	ST-MAI-678	2.5	0	1	CIRCULAR	0.00714	RCP	21.64	0.62	37.99	1.1	47.55	1.37
740	ST-MAI-679	2.5	0	1	CIRCULAR	0.00711	RCP	45.53	1.32	43.79	1.27	38.87	1.12
741	ST-MAI-680	3	0	1	CIRCULAR	0.02089	RCP	46.51	0.48	46.49	0.48	44.87	0.47
117	ST-MAI-681	1.5	0	1	CIRCULAR	0.00819	CMP	1.48	0.29	2.61	0.51	4.36	0.85
118	ST-MAI-682	1.5	0	1	CIRCULAR	0.00287	CMP	2.13	0.7	3.78	1.24	6.24	2.05
119	ST-MAI-683	1	3	1	RECT_CLOSED	-0.004	RCB	2.7	0.24	4.51	0.4	6.32	0.56
120	ST-MAI-686	1.5	0	1	CIRCULAR	0.03087	HDPE	3.72	0.2	6.14	0.33	7.22	0.39

Proposed Condition Storm Conveyance Results Summary Table

Conveyance Info		Dimensions						2-year		10-year		100-year	
Facility ID	Name	D' or H' (diameter) or (height)	B' (width)	Barrels	Shape	Slope (ft/ft)	Material	Q_{con} (2-year) (cfs)	Qcon vs Qcap3	Q_{con} (10-year) (cfs)	Qcon vs Qcap3	Q_{con} (100-year) (cfs)	Qcon vs Qcap7
121	ST-MAI-687	3.5	0	1	CIRCULAR	0.0312	CMP	0.06	0	0.09	0	0.14	0
122	ST-MAI-688	3.5	0	1	CIRCULAR	0.03948	RCP	11.45	0.06	20.43	0.1	35.14	0.18
507	ST-MAI-69_1	5.5	0	1	CIRCULAR	0.00689	RCP	42.05	0.15	68.41	0.25	131.28	0.47
508	ST-MAI-69_2	5.5	0	1	CIRCULAR	0.00689	RCP	184.26	0.66	295.24	1.06	294.5	1.06
123	ST-MAI-690	1.5	0	1	CIRCULAR	0.03258	RCP	3.39	0.18	6.56	0.35	10.46	0.55
124	ST-MAI-691	1	3	1	PARABOLIC	0.07889	Concrete	0.27	0.01	0.44	0.02	0.7	0.02
125	ST-MAI-693	1	3	1	PARABOLIC	0.05771	Concrete	0.05	0	0.1	0	0.19	0.01
126	ST-MAI-694	1	0	1	CIRCULAR	0.00581	ABS	0.58	0.21	0.86	0.32	1.96	0.72
127	ST-MAI-695	1	0	1	CIRCULAR	0.00402	ABS	3.28	1.45	4.92	2.18	5.11	2.26
128	ST-MAI-696	1	0	1	CIRCULAR	0.04015	ABS	5.02	0.7	4.75	0.67	4.54	0.64
129	ST-MAI-697	1.5	0	1	CIRCULAR	0.00851	RCP	7.64	0.79	9.25	0.95	10.09	1.04
130	ST-MAI-698	1	0	1	CIRCULAR	0.0111	HDPE	6.62	1.76	6.73	1.79	6.83	1.82
131	ST-MAI-700	1.5	0	1	CIRCULAR	0.01417	RCP	2.35	0.19	4.08	0.33	6.78	0.54
132	ST-MAI-701	1.5	0	1	CIRCULAR	0.05023	CMP	7.37	0.31	8.33	0.35	8.34	0.35
133	ST-MAI-702	2.5	0	1	CIRCULAR	0.01482	RCP	10.29	0.21	24.28	0.49	32.8	0.66
503	ST-MAI-705	2	4	1	RECT_OPEN	0.00572	Earthen	1.89	0.13	4.54	0.3	6.33	0.42
742	ST-MAI-707	1	0	1	CIRCULAR	0.01031	RCP	3.5	0.97	4.45	1.23	4.52	1.25
743	ST-MAI-708	1	0	1	CIRCULAR	0.01128	HDPE	4.58	1.21	4.62	1.22	4.67	1.23
848	ST-MAI-709	0	0	1	IRREGULAR	0.03569	EAR	0.19	0	0.19	0	0.2	0
16	ST-MAI-70a	3	0	1	CIRCULAR	0.0586	RCP	0.97	0.01	1.61	0.01	2.59	0.02
17	ST-MAI-71	1.5	0	1	CIRCULAR	0.08646	RCP	15.7	0.51	28.2	0.91	33.14	1.07
851	ST-MAI-710a	0	0	1	IRREGULAR	0.04673	EAR	8.59	0	15.14	0	26.9	0
850	ST-MAI-710b	0	0	1	IRREGULAR	0.05244	EAR	8.59	0	15.34	0	27	0
852	ST-MAI-710c	1	3	1	PARABOLIC	0.06452	CONC	0	0	0	0	0	0
824	ST-MAI-711	1	3	1	PARABOLIC	0.07107	CONC	0.21	0.01	0.35	0.01	0.56	0.01
532	ST-MAI-713	2	0	1	CIRCULAR	0.00692	RCP	10.31	0.55	18.69	0.99	26.7	1.42
533	ST-MAI-714	2	0	1	CIRCULAR	0.03404	RCP	18.53	0.44	33.11	0.79	44.73	1.07
534	ST-MAI-715	2	0	1	CIRCULAR	0.03487	RCP	21	0.5	37.26	0.88	48.79	1.16
535	ST-MAI-716	1	0	1	CIRCULAR	0.07551	ABS	1.58	0.16	2.82	0.29	4.68	0.48
536	ST-MAI-717	1.25	0	1	CIRCULAR	0.23812	CMP	0.48	0.02	0.81	0.03	1.28	0.04
537	ST-MAI-718a	4	0	1	CIRCULAR	0.01979	RCP	33.52	0.17	61.6	0.3	94.9	0.47
547	ST-MAI-718b	4	0	1	CIRCULAR	0.01982	RCP	33.6	0.17	61.71	0.31	96.69	0.48
18	ST-MAI-72	2	0	1	CIRCULAR	0.10128	CONC	4.13	0.06	6.81	0.09	11.02	0.15
744	ST-MAI-724	3	0	1	CIRCULAR	0.00692	RCP	15.28	0.28	27.54	0.5	46	0.83
745	ST-MAI-725	3	0	1	CIRCULAR	0.0085	RCP	15.27	0.25	27.46	0.45	45.99	0.75
746	ST-MAI-726	1.5	0	1	CIRCULAR	0.05279	RCP	1.59	0.07	2.84	0.12	4.76	0.2
747	ST-MAI-727	3	0	1	CIRCULAR	0.05562	RCP	17.35	0.11	31.42	0.2	52.94	0.34
748	ST-MAI-728	3	0	1	CIRCULAR	0.00673	RCP	21.28	0.39	39.21	0.72	68.66	1.25
749	ST-MAI-729	3	0	1	CIRCULAR	0.03092	RCP	23.53	0.2	43.24	0.37	75.25	0.64
19	ST-MAI-73	3.5	0	1	CIRCULAR	0.02696	RCP	23.36	0.14	41.45	0.25	56.75	0.34
750	ST-MAI-730	3	0	1	CIRCULAR	0.08306	RCP	28.93	0.15	52.93	0.28	91.74	0.48
751	ST-MAI-731	3	0	1	CIRCULAR	0.02342	RCP	33.3	0.33	60.33	0.59	104.13	1.02
752	ST-MAI-732	1	0	1	CIRCULAR	0.16796	RCP	0.12	0.01	0.18	0.01	0.28	0.02
753	ST-MAI-733	2	0	1	CIRCULAR	0.01787	RCP	9.36	0.31	16.47	0.54	25.02	0.83
754	ST-MAI-734	1	0	1	CIRCULAR	0.3433	RCP	0.28	0.01	0.45	0.02	0.71	0.03
755	ST-MAI-735	6	0	1	CIRCULAR	0.00529	RCP	20.64	0.07	56.36	0.18	183.7	0.6
756	ST-MAI-736	3.5	0	2	CIRCULAR	0.01888	RCP	187.16	0.68	254.56	0.92	236.77	0.86
757	ST-MAI-738	3.5	0	2	CIRCULAR	0.01451	RCP	116.96	0.48	183.26	0.76	247.79	1.02
758	ST-MAI-739	2.5	0	2	CIRCULAR	0.03771	RCP	18.94	0.12	29.07	0.18	32.64	0.2
20	ST-MAI-74	6	0	1	CIRCULAR	0.01415	RCP	103.63	0.21	207.96	0.41	271.99	0.54
759	ST-MAI-740	3.25	0	1	CIRCULAR	0.0385	RCP	29.86	0.18	58.39	0.36	88.73	0.55
760	ST-MAI-741	8	0	1	CIRCULAR	0.00408	RCP	158.17	0.27	311.08	0.53	596.5	1.02
853	ST-MAI-742	1	3	1	PARABOLIC	0.09321	EAR	0	0	0	0	0	0
538	ST-MAI-743	3.5	0	1	CIRCULAR	0.01089	RCP	59.58	0.57	103.33	0.98	134.14	1.28
539	ST-MAI-744	1.5	0	1	CIRCULAR	0.01124	RCP	3.09	0.28	5.44	0.49	9.34	0.84
540	ST-MAI-745	2	0	1	CIRCULAR	0.0107	CMP	9.26	0.4	16.31	0.7	24.84	1.06
541	ST-MAI-746	1.5	0	1	CIRCULAR	0.07895	RCP	2.54	0.09	4.51	0.15	7.48	0.25
542	ST-MAI-747a	4	0	1	CIRCULAR	0.01978	RCP	36.31	0.18	67.88	0.34	102.3	0.51
545	ST-MAI-747b	4	0	1	CIRCULAR	0.01978	RCP	37.09	0.18	68.29	0.34	106.69	0.53
543	ST-MAI-748	1	0	1	CIRCULAR	0.04044	HDPE	3.39	0.47	4.41	0.62	4.91	0.69
21	ST-MAI-75	0	0	1	IRREGULAR	0.01187	Earthen	719.87	0.11	1068.98	0.17	1753.16	0.27
544	ST-MAI-750	4	0	1	CIRCULAR	0.01978	RCP	40.47	0.2	76.13	0.38	118.13	0.58
761	ST-MAI-753	4.5	0	1	CIRCULAR	0.01947	RCP	180.58	0.66	311.15	1.13	354.37	1.29
762	ST-MAI-755	4.5	0	1	CIRCULAR	0.02089	RCP	180.48	0.63	311.21	1.09	356.98	1.26
763	ST-MAI-756	2	0	1	CIRCULAR	0.03843	RCP	1.18	0.03	2.03	0.05	4.17	0.09
764	ST-MAI-757	6	0	1	CIRCULAR	0.00764	RCP	185.65	0.5	325.33	0.88	485.48	1.31

Proposed Condition Storm Conveyance Results Summary Table

Conveyance Info		Dimensions						2-year		10-year		100-year	
Facility ID	Name	D' or H' (diameter) or (height)	B' (width)	Barrels	Shape	Slope (ft/ft)	Material	Q_{con} (2-year) (cfs)	Qcon vs Qcap3	Q_{con} (10-year) (cfs)	Qcon vs Qcap3	Q_{con} (100-year) (cfs)	Qcon vs Qcap7
765	ST-MAI-758	1.5	0	1	CIRCULAR	0.04813	HDPE	6.98	0.3	12.52	0.54	19.95	0.87
766	ST-MAI-759	2	0	1	CIRCULAR	0.01396	HDPE	10.27	0.38	18.42	0.69	33.82	1.27
498	ST-MAI-76_1	0	0	1	IRREGULAR	0.01417	Earthen	719.72	0.48	1067.45	0.71	1547.16	1.03
499	ST-MAI-76_3	0	0	1	IRREGULAR	0.01338	Earthen	728.42	0.5	1099.99	0.75	1608.75	1.1
500	ST-MAI-76_4	0	0	1	IRREGULAR	0.04713	Earthen	757.26	0.28	1141.84	0.42	1701.3	0.62
767	ST-MAI-760	1	0	1	CIRCULAR	0.02166	CONC	3.27	0.62	4.63	0.88	3.7	0.71
768	ST-MAI-761	2	0	1	CIRCULAR	0.19098	HDPE	13.91	0.14	14.34	0.15	26.02	0.26
769	ST-MAI-762	1.5	0	1	CIRCULAR	0.00587	RCP	3.41	0.42	7.51	0.93	9.37	1.16
770	ST-MAI-763	1.5	0	1	CIRCULAR	0.0167	ABS	7.28	0.54	9.86	0.73	10.48	0.77
771	ST-MAI-764	1	0	1	CIRCULAR	0.00621	HDPE	1.27	0.45	2.24	0.8	3.37	1.2
772	ST-MAI-765	1	0	1	CIRCULAR	0.03881	HDPE	3.05	0.43	5.44	0.77	7.96	1.13
826	ST-MAI-766	0	0	1	IRREGULAR	0.00702	CONC	50.27	0	94.32	0	121.93	0
827	ST-MAI-767	0	0	1	IRREGULAR	0.01345	EAR	49.89	0	94.07	0.01	121.45	0.01
828	ST-MAI-768	3	0	1	CIRCULAR	0.06375	RCP	44.03	1.21	44.66	1.22	44.61	1.22
830	ST-MAI-771	1	3	1	PARABOLIC	0.01421	CONC	0.16	0.01	0.02	0	0.02	0
773	ST-MAI-772	1	0	1	CIRCULAR	0.0075	RCP	0.66	0.21	1.18	0.38	1.96	0.63
774	ST-MAI-773	2	0	1	CIRCULAR	0.00304	RCP	3.24	0.26	5.78	0.46	10.01	0.8
831	ST-MAI-774	2	6	1	TRIANGULAR	0.07367	CONC	1.11	0.01	1.93	0.01	3.12	0.02
134	ST-MAI-775	1.5	0	1	CIRCULAR	0.07777	RCP	6.57	0.22	13.01	0.44	27.33	0.93
135	ST-MAI-776	2.5	0	1	CIRCULAR	0.05451	RCP	27.04	0.28	40.1	0.42	53.11	0.55
136	ST-MAI-777	2.5	0	1	CIRCULAR	0.03714	RCP	28.19	0.36	43.61	0.55	57.63	0.73
137	ST-MAI-779	1.5	0	1	CIRCULAR	0.01976	RCP	1	0.07	1.93	0.13	3.08	0.21
22	ST-MAI-77a	0	0	1	IRREGULAR	0.037	Earthen	729.88	0.06	1080.18	0.1	1815.03	0.16
226	ST-MAI-77b	0	0	1	IRREGULAR	0.01391	Earthen	730.34	0.05	1081.21	0.08	1815.83	0.13
23	ST-MAI-78	2.5	0	1	CIRCULAR	0.08056	CONC	3.92	0.03	12.38	0.11	28.8	0.25
138	ST-MAI-780	2.5	0	1	CIRCULAR	0.00486	RCP	28.36	0.99	45.99	1.61	55.2	1.93
139	ST-MAI-781	4	0	1	CIRCULAR	0.04831	RCP	43.54	0.14	65.08	0.21	100.75	0.32
140	ST-MAI-782	4	0	1	CIRCULAR	0.00818	RCP	28.08	0.22	42.89	0.33	57.01	0.44
141	ST-MAI-783	6.5	0	1	CIRCULAR	0.00854	RCP	375.28	0.77	617.42	1.27	701.86	1.45
142	ST-MAI-784	1.5	0	1	CIRCULAR	0.11696	RCP	9.02	0.25	15.57	0.43	38.24	1.06
143	ST-MAI-785	2	0	1	CIRCULAR	0.29333	CMP	0.16	0	0.25	0	1.55	0.02
144	ST-MAI-786	6.5	0	1	CIRCULAR	0.00849	RCP	219.74	0.45	329.47	0.68	368.25	0.76
145	ST-MAI-787	6.5	0	1	CIRCULAR	0.01041	RCP	156.46	0.29	256.18	0.48	307.32	0.57
146	ST-MAI-788	6.5	0	1	CIRCULAR	0.01564	RCP	156.67	0.24	254.35	0.39	306.58	0.47
147	ST-MAI-789	6.5	0	1	CIRCULAR	0.00271	RCP	170.86	0.63	265.03	0.97	326.4	1.19
509	ST-MAI-79_1	3	9	1	RECT_CLOSED	0.03795	RCB	111.94	0.17	254.14	0.39	359.42	0.55
510	ST-MAI-79_2	3	9	1	RECT_CLOSED	0.00141	RCB	80.01	0.64	155.56	1.24	415.69	3.32
148	ST-MAI-790	6.5	0	1	CIRCULAR	0.00716	RCP	166.08	0.37	264.69	0.6	326.54	0.74
149	ST-MAI-791	2	0	1	CIRCULAR	0.05349	RCP	0.42	0.01	0.56	0.01	1.32	0.03
150	ST-MAI-792	2	0	1	CIRCULAR	0.16129	RCP	1.05	0.01	1.6	0.02	2.95	0.03
151	ST-MAI-793	6.5	0	1	CIRCULAR	0.0284	RCP	219.13	0.25	329.4	0.37	372.13	0.42
152	ST-MAI-794	6.5	0	1	CIRCULAR	0.03687	RCP	368.14	0.37	574.87	0.57	643.32	0.64
153	ST-MAI-797	4.5	0	1	CIRCULAR	0.00167	RCP	10.36	0.13	38.32	0.48	60.36	0.75
154	ST-MAI-798	4.5	0	1	CIRCULAR	0.00205	RCP	11.57	0.13	40.28	0.45	61.55	0.69
155	ST-MAI-799	3	0	1	CIRCULAR	0.00355	RCP	7.74	0.19	14.97	0.38	21.57	0.54
555	ST-MAI-7a	2	0	1	CIRCULAR	0.013	HDPE	4.53	0.18	7.7	0.3	12.68	0.49
797	ST-MAI-7b	2	0	1	CIRCULAR	0.01304	HDPE	4.53	0.18	7.69	0.3	12.66	0.49
556	ST-MAI-8	2	0	1	CIRCULAR	0.04507	HDPE	4.52	0.09	7.67	0.16	12.64	0.26
156	ST-MAI-800	6.5	0	1	CIRCULAR	0.01265	RCP	386.15	0.65	589.57	1	698.21	1.18
157	ST-MAI-801	2	0	1	CIRCULAR	0.00496	RCP	3.14	0.2	8.7	0.55	12.5	0.78
158	ST-MAI-802	4	0	1	CIRCULAR	0.0489	RCP	9.34	0.03	11.97	0.04	15.74	0.05
159	ST-MAI-804	1.5	0	1	CIRCULAR	0.01039	RCP	0.56	0.05	2.02	0.19	7.45	0.7
160	ST-MAI-805	4.5	0	1	CIRCULAR	0.00166	RCP	13.38	0.17	38.97	0.49	67.26	0.84
161	ST-MAI-806	4	0	1	CIRCULAR	0.01482	RCP	63.35	0.36	106.49	0.61	177.07	1.01
162	ST-MAI-807	4	0	1	CIRCULAR	0.31215	RCP	63.34	0.08	106.49	0.13	178.91	0.22
163	ST-MAI-808	2	0	1	CIRCULAR	0.03407	HDPE	3.46	0.08	5.66	0.14	8.94	0.21
164	ST-MAI-809	2.5	0	1	CIRCULAR	0.05257	RCP	29.11	0.31	49.03	0.52	80.63	0.86
491	ST-MAI-80a_1	0	0	1	IRREGULAR	0.02049	Concrete	671.56	0.26	895.63	0.34	1044.42	0.4
493	ST-MAI-80a_2	0	0	1	IRREGULAR	0.01427	Concrete	657.97	0.3	875.9	0.4	1043.48	0.48
492	ST-MAI-80a_3	0	0	1	IRREGULAR	0.00495	Concrete	642.8	0.5	819.83	0.64	929	0.73
494	ST-MAI-80a_4	0	0	1	IRREGULAR	0.02722	Concrete	661.4	0.22	879.17	0.29	1043.96	0.35
495	ST-MAI-80a_6	0	0	1	IRREGULAR	0.05109	Concrete	362.41	0.09	530.32	0.13	677.19	0.17
482	ST-MAI-80b	0	0	1	IRREGULAR	0.01883	Concrete	664.07	0.05	877.65	0.07	1067.88	0.08
24	ST-MAI-81	3	0	1	CIRCULAR	0.07351	RCP	32.15	0.18	47.56	0.26	69.91	0.39
165	ST-MAI-810	5	0	2	CIRCULAR	0.01172	RCP	24.04	0.04	49.96	0.09	152.55	0.27
166	ST-MAI-811	5	0	2	CIRCULAR	0.0071	RCP	199.05	0.45	352.08	0.8	408.47	0.93

Proposed Condition Storm Conveyance Results Summary Table

Conveyance Info		Dimensions						2-year		10-year		100-year	
Facility ID	Name	D' or H' (diameter) or (height)	B' (width)	Barrels	Shape	Slope (ft/ft)	Material	Q_{con} (2-year) (cfs)	Qcon vs Qcap3	Q_{con} (10-year) (cfs)	Qcon vs Qcap3	Q_{con} (100-year) (cfs)	Qcon vs Qcap7
167	ST-MAI-812	5	0	2	CIRCULAR	0.01882	RCP	263.28	0.37	496.96	0.7	561.24	0.79
488	ST-MAI-816a_2	4	8	1	RECT_OPEN	0.03105	Earthen	0	0	0	0	12.02	0.01
489	ST-MAI-816a_3	4	8	1	RECT_OPEN	0.03038	Earthen	0	0	0	0	0.62	0
490	ST-MAI-816a_4	4	6	1	RECT_CLOSED	0.01022	Earthen	0	0	0	0	19.71	0.06
168	ST-MAI-819	6	0	1	CIRCULAR	0.00941	RCP	310.9	0.76	462.45	1.13	482.18	1.17
169	ST-MAI-820	1.5	0	1	CIRCULAR	0.05896	RCP	13.35	0.52	22.38	0.88	24.7	0.97
170	ST-MAI-821	1	0	1	CIRCULAR	0.01495	ABS	0.78	0.18	1.27	0.29	1.97	0.45
171	ST-MAI-822	6	0	1	CIRCULAR	0.00877	RCP	316.91	0.8	495.78	1.25	527.71	1.33
172	ST-MAI-823	6	0	1	CIRCULAR	0.01026	RCP	319.4	0.74	498.37	1.16	531.59	1.24
173	ST-MAI-824	6	0	1	CIRCULAR	0.03387	RCP	310.57	0.4	462.82	0.59	475.8	0.61
174	ST-MAI-825	2	0	1	CIRCULAR	0.0095	CMP	2.27	0.19	3.8	0.32	13.74	1.15
175	ST-MAI-826	1.5	0	1	CIRCULAR	0.01692	RCP	6.59	0.48	11.43	0.84	13.85	1.01
176	ST-MAI-827	1	0	1	CIRCULAR	0.05965	ABS	0.93	0.11	1.48	0.17	2.38	0.27
177	ST-MAI-828	2.5	0	1	CIRCULAR	0.00988	RCP	5.71	0.14	11.9	0.29	25.66	0.63
178	ST-MAI-829	1.5	0	1	CIRCULAR	0.04842	CMP	7.52	0.6	12.25	0.98	11.72	0.94
25	ST-MAI-83	3	8	1	RECT_OPEN	0.02633	RCB	77.83	0.12	201.13	0.32	487.51	0.76
179	ST-MAI-830	1.5	0	1	CIRCULAR	0.07663	CMP	21.89	1.39	22.38	1.42	22.52	1.43
180	ST-MAI-831	3	4.6	1	CIRCULAR	0.00429	RCP	53.7	1.23	60.37	1.38	60.53	1.39
181	ST-MAI-832	2.5	0	1	CIRCULAR	0.03133	RCP	20.85	0.29	36.26	0.5	65.94	0.91
182	ST-MAI-833	1.5	0	1	CIRCULAR	0.02019	CMP	1.44	0.1	2.33	0.16	25.74	1.72
183	ST-MAI-834	2.5	0	1	CIRCULAR	0.03182	RCP	11.99	0.16	21.96	0.3	39.46	0.54
184	ST-MAI-835	2.5	0	1	CIRCULAR	0.02222	RCP	15.4	0.25	28.46	0.47	51.88	0.85
185	ST-MAI-836	2	0	1	CIRCULAR	0.02762	RCP	19.59	0.52	34.69	0.92	41.89	1.11
186	ST-MAI-837	2.5	0	1	CIRCULAR	0.02196	RCP	1.28	0.02	2.09	0.03	18.82	0.31
187	ST-MAI-838	1.5	0	1	CIRCULAR	0.01657	RCP	4.56	0.34	7.89	0.58	13.17	0.97
188	ST-MAI-839	2	0	1	CIRCULAR	0.01262	RCP	15.11	0.59	26.86	1.06	36.15	1.42
26	ST-MAI-84	1.5	0	1	CIRCULAR	0.08025	CMP	3.38	0.21	6.24	0.39	10.44	0.65
189	ST-MAI-840	3	0	1	CIRCULAR	0.02419	RCP	67.79	0.65	91.09	0.88	99.77	0.96
190	ST-MAI-841	3	0	1	CIRCULAR	0.05238	RCP	68.2	0.45	92.86	0.61	102.15	0.67
191	ST-MAI-842	5	0	1	CIRCULAR	0.00207	RCP	127.1	1.07	183.98	1.55	207.86	1.75
192	ST-MAI-843	1.25	0	1	CIRCULAR	0.10592	RCP	1.08	0.05	0.88	0.04	1.54	0.07
193	ST-MAI-844	5	0	1	CIRCULAR	0.01039	CMP	126.26	0.48	183.44	0.69	207.3	0.78
194	ST-MAI-845	2.5	0	1	CIRCULAR	0.00174	RCP	59.96	3.51	78.23	4.58	83.19	4.87
195	ST-MAI-846	2.5	0	1	CIRCULAR	0.02646	RCP	59.95	0.9	78.57	1.18	83.32	1.25
196	ST-MAI-847	3	0	1	CIRCULAR	0.03132	RCP	67.57	0.57	90.69	0.77	100.73	0.85
197	ST-MAI-848	3	0	1	CIRCULAR	0.04937	RCP	8.13	0.05	13.49	0.09	21.88	0.15
198	ST-MAI-849	1	0	1	CIRCULAR	0.07018	HDPE	0.96	0.1	1.52	0.16	2.41	0.26
27	ST-MAI-85	6.5	0	1	CIRCULAR	0.00966	RCP	317.33	0.62	486.52	0.94	525.63	1.02
199	ST-MAI-850	1	0	1	CIRCULAR	0.03732	HDPE	0.63	0.09	1.01	0.15	1.71	0.25
200	ST-MAI-851	3	0	1	CIRCULAR	0.00527	RCP	9.46	0.2	17.8	0.37	28.42	0.59
201	ST-MAI-852	5	0	1	CIRCULAR	0.01672	RCP	112.98	0.34	216.95	0.64	297.32	0.88
202	ST-MAI-853	3.5	0	1	CIRCULAR	0.55138	RCP	0.79	0	1.31	0	2.11	0
203	ST-MAI-854	6	0	1	CIRCULAR	0.02255	RCP	107.16	0.17	207.85	0.33	280.92	0.44
204	ST-MAI-855	2.5	0	1	CIRCULAR	0.05594	RCP	3.9	0.04	6.48	0.07	10.45	0.11
205	ST-MAI-857	2	0	1	CIRCULAR	0.07201	HDPE	3.65	0.06	6.06	0.1	9.76	0.16
206	ST-MAI-858	2.5	0	1	CIRCULAR	0.00685	RCP	6.78	0.2	14.89	0.44	37.57	1.11
207	ST-MAI-859	1	3	1	PARABOLIC	0.02976	Concrete	0	0	0	0	0	0
515	ST-MAI-86	2.75	0	1	CIRCULAR	0.02432	CMP	15.27	0.34	29.44	0.66	40.02	0.9
208	ST-MAI-862	1.5	0	1	CIRCULAR	0.04093	RCP	10.27	0.48	22.81	1.07	22.73	1.07
210	ST-MAI-864	1.5	0	1	CIRCULAR	0.16428	CMP	3.43	0.15	6.14	0.27	10.61	0.46
212	ST-MAI-865	5	0	1	CIRCULAR	0.00306	RCP	79.78	0.55	174.84	1.21	216.06	1.5
916	ST-MAI-866	1.5	0	1	CIRCULAR	0.05426	RCP	6.09	0.25	10.25	0.42	16.63	0.68
1135	ST-MAI-867	1.5	0	1	CIRCULAR	0.05762	CMP	2.8	0.2	4.45	0.33	7	0.51
548	ST-MAI-868	1	0	1	CIRCULAR	0.0673	Concrete	0.7	0.11	1.2	0.19	1.92	0.3
485	ST-MAI-869	2.5	0	1	CIRCULAR	0.03394	CONC	10.28	0.14	23.28	0.31	32.67	0.43
860	ST-MAI-87	4	0	1	CIRCULAR	0.03621	RCP	119.53	0.44	165.45	0.61	185.24	0.68
501	ST-MAI-870	2	4	1	RECT_OPEN	0.00034	Earthen	2.11	0.58	4.14	1.14	6.28	1.73
849	ST-MAI-871	1	3	1	PARABOLIC	0.10057	CONC	0.12	0	0.16	0	0.2	0
211	ST-MAI-876	2	0	1	CIRCULAR	0.06139	RCP	9.23	0.16	18.73	0.33	38	0.68
838	ST-MAI-878	0.5	3	1	TRIANGULAR	0.02359	CONC	0.17	0.03	0.27	0.05	0.41	0.08
776	ST-MAI-879	2	0	1	CIRCULAR	0.1068	RCP	0.17	0	0.27	0	0.41	0.01
28	ST-MAI-88	3	0	1	CIRCULAR	0.01235	CONC	8.96	0.12	14.77	0.2	24.53	0.33
1133	ST-MAI-880	1.5	0	1	CIRCULAR	0.04998	RCP	0.24	0.01	0.43	0.02	0.7	0.03
1134	ST-MAI-881	1	3	1	PARABOLIC	0.10043	Concrete	0	0	0	0	0	0
1136	ST-MAI-882	1	3	1	PARABOLIC	0.0915	Concrete	0	0	0	0	0	0
816	ST-MAI-885	3	0	1	CIRCULAR	0.20008	RCP	2.67	0.01	4.42	0.01	7.66	0.03

Proposed Condition Storm Conveyance Results Summary Table

Conveyance Info		Dimensions						2-year		10-year		100-year	
Facility ID	Name	D' or H' (diameter) or (height)	B' (width)	Barrels	Shape	Slope (ft/ft)	Material	Q_{con} (2-year) (cfs)	Qcon vs Qcap3	Q_{con} (10-year) (cfs)	Qcon vs Qcap3	Q_{con} (100-year) (cfs)	Qcon vs Qcap7
213	ST-MAI-889	2.5	0	1	CIRCULAR	0.07002	CONC	23.12	0.21	31.21	0.29	38.51	0.35
250	ST-MAI-89	0.5	3	1	PARABOLIC	0.02878	Concrete	15.86	2.6	19.82	3.25	19.81	3.25
214	ST-MAI-890	2.5	0	1	CIRCULAR	0.04492	CONC	21.65	0.25	28.73	0.33	34.37	0.4
215	ST-MAI-895	2.5	0	1	CIRCULAR	0.02864	RCP	16.38	0.24	29.29	0.42	48.91	0.7
557	ST-MAI-9	1.5	0	1	CIRCULAR	0.01469	HDPE	4.01	0.32	6.87	0.54	11.24	0.88
1009	ST-MAI-90	2.5	0	1	CIRCULAR	0.02426	RCP	24.53	0.38	41.21	0.65	58.01	0.91
917	ST-MAI-902	1	3	1	PARABOLIC	0.04219	Other	0.29	0.04	0.54	0.08	1.21	0.18
778	ST-MAI-909	1.5	0	1	CIRCULAR	0.10623	RCP	4.3	0.13	7.73	0.23	13.23	0.39
1010	ST-MAI-91	2.5	0	1	CIRCULAR	0.04233	RCP	24.28	0.29	40.64	0.48	56.95	0.67
779	ST-MAI-910	1.5	0	1	CIRCULAR	0.08841	RCP	8.48	0.27	14.99	0.48	25.36	0.81
780	ST-MAI-911	1.5	0	1	CIRCULAR	0.08949	RCP	11.01	0.35	19.56	0.62	29.37	0.93
781	ST-MAI-912	1.5	0	1	CIRCULAR	0.07287	RCP	7.19	0.25	12.77	0.45	21.78	0.77
782	ST-MAI-913	3	0	1	CIRCULAR	0.01118	RCP	24.09	0.34	40.91	0.58	51.61	0.73
817	ST-MAI-914	3	0	1	CIRCULAR	0.00616	RCP	23.5	0.45	40.21	0.77	48.22	0.92
783	ST-MAI-915	3	0	1	CIRCULAR	0.01387	RCP	31.04	0.4	44.05	0.56	43.44	0.55
818	ST-MAI-916	2.5	0	1	CIRCULAR	0.01682	RCP	19.18	0.36	33.81	0.64	38.4	0.72
819	ST-MAI-917	1.5	0	1	CIRCULAR	0.10761	RCP	19.02	0.55	33.66	0.98	37.95	1.1
820	ST-MAI-918	1.5	0	1	CIRCULAR	0.01317	RCP	4.47	0.37	7.35	0.61	10.69	0.89
1011	ST-MAI-92	2.5	0	1	CIRCULAR	0.07204	RCP	16.04	0.15	26.78	0.24	34.69	0.32
549	ST-MAI-924	1.5	0	1	CIRCULAR	0.04634	CMP	2.46	0.2	4.39	0.36	7.3	0.6
825	ST-MAI-926	1	3	1	PARABOLIC	0.19867	CONC	0.21	0	0.34	0.01	0.54	0.01
861	ST-MAI-93	3	0	1	CIRCULAR	0.03611	RCP	42.13	0.33	71.86	0.57	135.81	1.07
835	ST-MAI-932	1.5	0	1	CIRCULAR	0.03346	RCP	2.18	0.11	3.91	0.2	7.06	0.37
1137	ST-MAI-942	0	0	1	IRREGULAR	0.04951	Other	1.05	0.01	2	0.01	3.38	0.02
1138	ST-MAI-946	1	3	1	PARABOLIC	0.17945	Other	1.44	0.02	2.74	0.03	4.47	0.05
516	ST-MAI-95	3	0	1	CIRCULAR	0.00744	RCP	22.29	0.39	39.45	0.69	73.57	1.28
1139	ST-MAI-952	1	3	1	PARABOLIC	0.0674	Other	10.58	0.21	20.29	0.4	33.36	0.66
216	ST-MAI-953	0	0	1	IRREGULAR	0.03539	Other	0	0	0	0	0	0
581	ST-MAI-96	4	0	1	CIRCULAR	0.00777	RCP	56.8	0.45	94.47	0.75	170.06	1.34
785	ST-MAI-964	1.5	0	1	CIRCULAR	0.00648	RCP	1.85	0.22	2.85	0.34	4.14	0.49
786	ST-MAI-965	0	0	1	IRREGULAR	0.02576	CONC	0	0	0	0	0	0
815	ST-MAI-967	3	0	1	CIRCULAR	0.33922	CMP	19.27	0.09	33.52	0.16	66.42	0.32
582	ST-MAI-97	4	0	1	CIRCULAR	0.02456	RCP	78.07	0.35	131.69	0.59	226.22	1
829	ST-MAI-970	3	0	1	CIRCULAR	0.04727	RCP	44.03	0.3	84.98	0.59	97.88	0.67
1012	ST-MAI-98	1.5	0	1	CIRCULAR	0.10367	RCP	5.26	0.16	8.96	0.26	13.33	0.39
1140	ST-MAI-980	0	0	1	IRREGULAR	0.08468	Other	3.44	0.01	6.06	0.02	10.22	0.04
1141	ST-MAI-981	1.5	0	1	CIRCULAR	0.07684	RCP	6.52	0.22	11.27	0.39	17.6	0.6
1142	ST-MAI-982	1.5	0	1	CIRCULAR	0.02637	RCP	6.77	0.4	11.67	0.68	18.05	1.06
1157	ST-MAI-983	2	0	1	CIRCULAR	0.02899	RCP	3.5	0.09	5.69	0.15	9.05	0.24
1143	ST-MAI-984	2	0	1	CIRCULAR	0.00558	RCP	7.04	0.42	12.13	0.72	19.27	1.14
1158	ST-MAI-985	2	0	1	CIRCULAR	0.02137	RCP	7.53	0.23	12.1	0.37	19.2	0.58
583	ST-MAI-99	1	0	1	CIRCULAR	0.05591	AC	3.7	0.44	6.79	0.81	8.11	0.96
502	ST-MAI-995	2	4	1	RECT_OPEN	0.02756	Other	2.09	0.01	4.12	0.02	6.27	0.03

Proposed Condition Junctions Results Summary Table

	Dimensions				2-year				10-year				100-year			
Facility ID	Type	Invert Elevation (feet)	Rim Elevation (feet)	Depth (feet)	Max. HGL (2-year) (feet)	Max. Lateral Inflow (2-year) (cfs)	Max. Total Inflow (2-year) (cfs)	Surcharging (2-year)	Max. HGL (10-year) (feet)	Max. Lateral Inflow (10-year) (cfs)	Max. Total Inflow (10-year) (cfs)	Surcharging (10-year)	Max. HGL (100-year) (feet)	Max. Lateral Inflow (100-year) (cfs)	Max. Total Inflow (100-year) (cfs)	Surcharging (100-year)
178	Headwall	341.403	341.403	0	344.82	0	243.07	Yes	345.2	0	286.28	YES	347.76	0	624.23	Yes
2598	Headwall	346.771	346.771	0	346.77	0	0	No	346.77	0	0	NO	346.99	0	19.71	Yes
2745	Headwall	347.275	347.275	0	347.27	0	0	No	347.28	0	0	YES	347.84	0	42.49	Yes
2828	Connector	329.825	329.825	0	333.52	0	671.56	Yes	333.98	0	895.63	YES	334.2	0	1044.42	Yes
2955	Connector	328.592	328.592	0	331.4	0	657.23	Yes	331.88	0	876.56	YES	332.2	0	1043.57	Yes
3069	Connector	326.449	326.449	0	328.91	0	657.97	Yes	329.28	0	875.9	YES	329.5	0	1043.48	Yes
3132	Connector	322.374	322.374	0	444.62	0	10.29	No	324.2	0	879.17	YES	324.44	0	1043.96	Yes
3133	Connector	303.901	303.901	0	429.18	0	10.28	No	307.17	0	891.94	YES	307.49	0	1135.59	Yes
30957	Connector	444	479.382	35.382	323.89	0	662.04	Yes	444.97	0	24.28	NO	445.15	0	32.8	No
31315	Connector	428.443	433.443	5	306.79	0	669.07	Yes	430.99	0	27.36	NO	433.52	0	44.06	Yes
CMS_1	Storm Drain Pipe	453.153	453.89	0	454.89	0	0	Yes	454.89	0	0	YES	454.89	0	0	Yes
CMS_3136	Connector	402.105	408.105	6	405.52	0	184.14	No	407.36	0	296.33	NO	408.11	0	392.98	Yes
CMS_63624	Connector	298.4	332.835	34.435	300.87	0	130.94	No	302.3	0	299.03	NO	304.38	0	767.11	No
CMS_88448	Headwall	343.645	343.645	0	349.23	0	326.79	Yes	349.9	0	506.86	YES	349.98	0	784.49	Yes
CMS_Add1	Headwall	442.149	442.149	0	442.29	0	0.59	Yes	442.35	0	1.47	YES	442.39	0	1.94	Yes
J1	Outfall	383	383.487	<Null>	384.16	0	223.19	Yes	384.16	0	223.19	YES	384.16	0	223.19	Yes
J10430	Headwall	395.27	398.27	3	395.47	0	18.95	No	395.51	0	25.64	NO	395.54	0	30.77	No
J132067	Other	406.663	407.059	0	406.66	0	0	No	406.66	0	0	NO	406.66	0	0	No
J155_1	Headwall	379.738	379.738	0	379.89	0	4.81	Yes	379.95	0	8.3	YES	380.03	0	13.79	Yes
J2	Connector	387.4	398.929	11.529	389.54	0	289.03	No	390	0	408.32	NO	390.54	0	530.33	No
J20	Connector	383.6	389.575	5.975	385.01	0	295.61	No	385.34	0	408	NO	385.69	0	530.3	No
J22	Connector	386.822	386.822	0	387.02	0	7	Yes	387.1	0	11.94	YES	387.22	0	20.56	Yes
OF1	Outfall	354	360.317	<Null>	354.99	0	6.55	No	354.99	0	6.55	NO	354.99	0	6.55	No
OF2	Outfall	295.358	301.358	<Null>	296.01	0	7.53	No	296.01	0	7.53	NO	296.01	0	7.53	No
OF3	Outfall	368.044	371.044	<Null>	368.04	0	0	No	368.04	0	0	NO	368.04	0	0	No
ST-STR-1	Cleanout	345.701	352.201	6.5	346.14	0	2.5	No	346.28	0	4.25	NO	346.46	0	6.76	No
ST-STR-10	Cleanout/Manhole	0	0	0	283.24	0	726.1	Yes	0	0	0	NO	0	0	0	No
ST-STR-100	Connector	414.412	414.412	0	0	0	0	No	414.41	0	0	NO	414.41	0	0	No
ST-STR-1000	Connector	303.5	314.067	10.567	414.41	0	0	No	305.11	0	50.94	NO	305.71	0	87.64	No
ST-STR-1001	Headwall	372.88	373.335	0	304.64	0	26.66	No	374.76	0	191.57	YES	375.73	0	288.68	Yes
ST-STR-1002	Connector	386.919	393.919	7	374.22	0	110.24	Yes	389.41	0	132.86	NO	391.88	0	227.87	No
ST-STR-1003	Headwall	352.416	352.556	0	388.73	0	78.72	No	358.57	2.22	240.67	YES	358.89	0.163	245.6	Yes
ST-STR-1004	Headwall	355.651	355.651	0	356.19	1.29	99.54	Yes	360.7	4.06	12.07	YES	360.7	0.183	12.07	Yes
ST-STR-1005	Headwall	354.446	354.446	0	360.7	4.06	12.07	Yes	360.58	0	271	YES	360.58	0	271	Yes
ST-STR-1006	Connector	348.963	357.963	9	360.58	0	271	Yes	351.5	0	237.68	NO	351.92	0	290.87	No
ST-STR-1007	Connector	339.925	348.925	9	350.53	0	118.12	No	342.94	0	274.27	NO	344.02	0	353.7	No
ST-STR-1008	Headwall	373.974	373.974	0	341.97	0	122.31	No	375.95	20.75	20.75	YES	376.91	1.55	37.12	Yes
ST-STR-1009	Discharge	0	0	0	375.22	11.45	11.45	Yes	0	0	0	NO	0	0	0	No
ST-STR-101	Headwall	374.021	374.021	0	0	0	0	No	374.21	0	6.18	YES	374.25	0	10.37	Yes
ST-STR-1010	Headwall	376.37	376.548	0	374.17	0	3.52	Yes	378.43	14.01	16.13	YES	379.51	0.859	26.92	Yes
ST-STR-1011	Headwall	408.997	408.997	0	377.8	7.43	9.63	Yes	409.19	0	2.74	YES	409.24	0	4.47	Yes
ST-STR-1012	Headwall	407.59	407.59	0	409.14	0	1.44	Yes	408.59	0	4	YES	408.67	0	6.5	Yes
ST-STR-1013	Headwall	443.09	443.09	0	408.25	0	2.17	Yes	443.3	1.36	11.37	YES	443.34	0.077	16.3	Yes
ST-STR-1014	Headwall	460.336	461.226	0	443.24	0.69	6.21	Yes	462.88	12.75	12.75	YES	462.92	0.97	22.63	Yes
ST-STR-1015	Headwall	457.858	457.858	0	462.81	7.06	7.06	Yes	458.42	0.4	11.91	YES	458.51	0.016	19.9	Yes
ST-STR-1016	Headwall	496	498.613	2.613	458.37	0.26	7.29	Yes	498.63	9.42	11.36	YES	500.28	0.641	18.88	Yes
ST-STR-1017	Inlet	476.579	480.579	4	497.55	5.17	6.59	No	478.09	5.46	27.62	NO	478.4	0.33	39.91	No

Proposed Condition Junctions Results Summary Table

	Dimensions				2-year				10-year				100-year			
Facility ID	Type	Invert Elevation (feet)	Rim Elevation (feet)	Depth (feet)	Max. HGL (2-year) (feet)	Max. Lateral Inflow (2-year) (cfs)	Max. Total Inflow (2-year) (cfs)	Surcharging (2-year)	Max. HGL (10-year) (feet)	Max. Lateral Inflow (10-year) (cfs)	Max. Total Inflow (10-year) (cfs)	Surcharging (10-year)	Max. HGL (100-year) (feet)	Max. Lateral Inflow (100-year) (cfs)	Max. Total Inflow (100-year) (cfs)	Surcharging (100-year)
ST-STR-1018	Inlet	482.694	490.694	8	477.76	2.96	15.8	No	483.79	0.29	22.72	NO	484	0.011	31.24	No
ST-STR-1019	Headwall	433	437.465	4.465	483.51	0.18	13.16	No	433.66	3.77	4.45	NO	433.88	0.227	7.66	No
ST-STR-102	Other	373.7	375.557	0.557	433.51	2.02	2.69	No	374.28	0	0.09	NO	374.56	0	0.23	No
ST-STR-1020	Connector	430	442.835	12.835	374.05	0	0.05	No	432.25	0	165.49	NO	432.41	0	185.34	No
ST-STR-1021	Connector	411	418.952	7.952	431.85	0	123.45	No	413.01	0	71.84	NO	416.06	0	135.75	No
ST-STR-1022	Headwall	419.743	419.743	0	412.35	0	42.11	No	422.88	1.58	34.89	YES	423.18	0.076	69.74	Yes
ST-STR-1023	Connector	443.159	449.159	6	421.93	0.98	20.97	Yes	444.12	0	15.67	NO	446.6	0	25.14	No
ST-STR-1024	Connector	439.995	444.995	5	443.89	0	9.41	No	442.46	0	20.29	NO	445	0	29.79	Yes
ST-STR-1025	Connector	388.527	398.827	10.3	441.11	0	12.18	No	394.18	0	271.76	NO	396.84	0	358.94	No
ST-STR-1026	Connector	388.355	397.355	9	391.96	0	153.52	No	393.98	0	287.96	NO	396.45	0	368.18	No
ST-STR-1027	Connector	387.716	394.716	7	391.25	0	162.23	No	393.57	0	286.45	NO	395.73	0	354.87	Yes
ST-STR-1028	Connector	390	397.709	7.709	390.56	0	162.79	No	397.41	2.69	267.74	NO	398.99	0.14	356.67	Yes
ST-STR-1029	Connector	412.208	417.208	5	394.6	1.67	152.74	No	414	0	52.31	NO	417.47	0	70.07	Yes
ST-STR-103	Headwall	430.764	430.764	0	413.5	0	31.88	No	431.81	0	0.24	YES	431.81	0	0.37	Yes
ST-STR-1030	Headwall	396	433.734	37.734	431.8	0	0.16	Yes	404.72	0	46.49	NO	405.07	0	44.87	No
ST-STR-1031	Headwall	442.39	442.475	0	404.13	0	46.51	No	444.42	13.49	13.68	YES	444.46	0.849	23.51	Yes
ST-STR-1032	Headwall	409.806	416.806	7	443.93	7.4	7.59	Yes	413.4	20.44	62.56	NO	413.89	1.44	95.42	No
ST-STR-1033	Headwall	332.276	332.691	0	412.23	11.02	34.03	No	335.11	33.54	33.54	YES	336.26	3.55	60.2	Yes
ST-STR-1034	Headwall	329.327	329.327	0	334.21	19.28	19.28	Yes	333.59	32.14	275	YES	335.16	2.46	334.18	Yes
ST-STR-1035	Connector	324.25	333.38	9.13	333.3	18.07	164.27	Yes	330.77	0	345.44	NO	334.57	0	643.92	Yes
ST-STR-1036	Headwall	378.33	382.41	4.08	328.65	0	179.71	No	382.75	9.27	69.85	YES	382.94	0.413	133.99	Yes
ST-STR-1037	Connector	384.013	391.513	7.5	381.49	5.29	45.79	No	389.31	0	311.21	NO	391.65	0	356.98	Yes
ST-STR-1038	Connector	376.5	386.892	10.392	386.7	0	180.48	No	380.86	0	340.12	NO	382.32	0	458.08	No
ST-STR-1039	Headwall	374.327	375.504	0	379.57	0	185.48	No	377.48	4.27	96.59	YES	377.51	0.218	127.67	Yes
ST-STR-1040	Connector	406.689	412.189	5.5	377.42	2.39	51.69	Yes	408.03	0	47.74	NO	408.28	0	56.9	No
ST-STR-1041	Connector	400.418	407.418	7	407.72	0	29.22	No	401.72	13.42	55.3	NO	401.99	0.869	78.18	No
ST-STR-1042	Connector	389.922	396.922	7	401.46	8.02	35.59	No	392.82	0	65.91	NO	393.15	0	100.89	No
ST-STR-1043	Connector	390.701	397.701	7	391.17	0	43.61	No	392.87	0	56.01	NO	393.28	0	80.31	No
ST-STR-1044	Connector	383	395.741	12.741	391.79	0	36.33	No	386.99	0	330.54	NO	387.65	0	373.97	No
ST-STR-1045	Connector	385.83	395.864	10.034	386.08	0	219.89	No	392.16	0	585.88	NO	394.7	0	676.71	No
ST-STR-1046	Headwall	397.87	397.87	0	390.13	0	375.3	No	398.25	4.63	4.63	YES	398.32	0.246	7.55	Yes
ST-STR-1047	Connector	0	0	0	398.19	2.83	2.83	Yes	0	0	0	NO	0	0	0	No
ST-STR-1048	Connector	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-1049	Connector	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-105	Headwall	404.786	405.75	0	0	0	0	No	404.87	0	5.41	NO	404.9	0	9.25	No
ST-STR-1050	Connector	0	0	0	404.85	0	2.98	No	0	0	0	NO	0	0	0	No
ST-STR-1051	Connector	374.2	380.26	6.06	0	0	0	No	378.56	0	39.57	NO	378.94	0	67.26	No
ST-STR-1052	Connector	389.45	397.45	8	377.51	0	13.67	No	394.72	0	517.42	NO	395.38	0	551.29	No
ST-STR-1053	Connector	390.224	397.974	7.75	393.24	0	330.64	No	395.93	0	489.97	NO	396.52	0	532.16	No
ST-STR-1054	Connector	397.729	401.729	4	394.08	0	319.53	No	398.02	0	1.27	NO	399.78	0	1.97	No
ST-STR-1055	Connector	393.464	401.214	7.75	397.95	0	0.78	No	399.31	0	488.67	NO	400.04	0	527.64	No
ST-STR-1056	Connector	409.6	416.359	6.759	397.52	0	316.96	No	415.41	0	183.98	NO	416.55	0	207.87	Yes
ST-STR-1057	Inlet	425.117	425.117	0	413.16	0	126.64	No	425.73	6.77	13.52	YES	425.9	0.372	21.93	Yes
ST-STR-1058	Headwall	333.493	333.493	0	425.59	4.06	8.15	Yes	336.95	0.17	85.44	YES	337.31	0.005	157.81	Yes
ST-STR-1059	Cleanout	382.29	398.951	16.661	336.34	0.11	49.16	Yes	384.16	0	85.5	NO	389.63	0	144.55	No
ST-STR-106	Headwall	0	0	0	383.65	0	50.7	No	0	0	0	NO	0	0	0	No
ST-STR-1060	Cleanout	432.73	441.73	9	0	0	0	No	433.59	0	8.84	NO	521.31	0	18.34	Yes

Proposed Condition Junctions Results Summary Table

	Dimensions				2-year				10-year				100-year			
Facility ID	Type	Invert Elevation (feet)	Rim Elevation (feet)	Depth (feet)	Max. HGL (2-year) (feet)	Max. Lateral Inflow (2-year) (cfs)	Max. Total Inflow (2-year) (cfs)	Surcharging (2-year)	Max. HGL (10-year) (feet)	Max. Lateral Inflow (10-year) (cfs)	Max. Total Inflow (10-year) (cfs)	Surcharging (10-year)	Max. HGL (100-year) (feet)	Max. Lateral Inflow (100-year) (cfs)	Max. Total Inflow (100-year) (cfs)	Surcharging (100-year)
ST-STR-1061	Cleanout	450.91	459.585	8.675	433.36	0	5.12	No	451.42	0	3.92	NO	529.36	0	17.17	Yes
ST-STR-1062	Cleanout	447.38	455.652	8.272	451.29	0	2.23	No	447.85	0	3.91	NO	529.99	0	18.48	Yes
ST-STR-1063	Cleanout	436.24	442.716	6.476	447.73	0	2.22	No	436.72	0	5.45	NO	524.35	0	15.24	Yes
ST-STR-1064	Cleanout	434.82	442.08	7.26	436.6	0	3.1	No	435.46	0	8.82	NO	505.65	0	15.44	Yes
ST-STR-1065	Cleanout	436.92	447.818	10.898	435.28	0	4.93	No	437.69	0	15.89	NO	513.45	0	26.86	Yes
ST-STR-1066	Cleanout	439.82	448.262	8.442	437.49	0	9.12	No	440.28	0	3.9	NO	527.32	0	14.77	Yes
ST-STR-1067	Cleanout	453.1	462.786	9.686	440.16	0	2.21	No	453.57	0	3.93	NO	534.18	0	15.49	Yes
ST-STR-1068	Cleanout	443.04	449.186	6.146	453.45	0	2.24	No	443.5	0	3.9	NO	526.65	0	14.62	Yes
ST-STR-1069	Cleanout	410	421.927	11.927	443.39	0	2.21	No	410.2	0	0.98	NO	461.2	0	7.6	Yes
ST-STR-107	Connector	439.709	439.896	0	410.16	0	0.62	No	440.06	0	5.95	YES	440.1	0	8.16	Yes
ST-STR-1070	Headwall	341.396	341.396	0	440.01	0	3.41	Yes	342.98	0	56.3	YES	343.7	0	103.57	Yes
ST-STR-1071	Headwall	316.022	316.022	0	342.48	0	29.43	Yes	316.04	0	1.2	YES	316.05	0	1.92	Yes
ST-STR-1072	Headwall	454.343	454.343	0	316.04	0	0.7	Yes	454.5	0	4.14	YES	454.54	0	6.28	Yes
ST-STR-1073	Headwall	350.392	350.392	0	454.44	0	2.11	Yes	350.39	0	0	NO	350.39	0	0	No
ST-STR-1074	Connector	445.997	445.997	0	350.39	0	0	No	446.49	0	15.03	YES	446.57	0	21.53	Yes
ST-STR-1075	Headwall	285.632	285.768	0	446.42	0	9.5	Yes	290.98	0	482.4	YES	291.43	0	604.32	Yes
ST-STR-1076	Headwall	431.602	431.602	0	290.66	0	380.57	Yes	432.24	0	27.93	YES	432.42	0	46.61	Yes
ST-STR-1077	Headwall	276.635	276.635	0	432.09	0	15.86	Yes	278.95	0	1139.67	YES	279.27	0	1705.3	Yes
ST-STR-1078	Headwall	285.233	285.233	0	278.38	0	754.79	Yes	288.63	0	1081.62	YES	289.56	0	1817.39	Yes
ST-STR-1079	Headwall	303	319.993	0	288.07	0	731.01	Yes	311.9	0	1.52	NO	311.91	0	2.48	No
ST-STR-108	Connector	429.345	429.407	0	311.89	0	0.91	No	429.6	0	4.12	YES	429.78	0	9.79	Yes
ST-STR-1080	Headwall	316.031	316.031	0	429.51	0	1.94	Yes	319.01	0	894.89	YES	319.26	0	1090.61	Yes
ST-STR-1081	Headwall	425.583	425.583	0	318.67	0	680.38	Yes	425.66	0	6.62	YES	425.69	0	10.53	Yes
ST-STR-1083	Headwall	431.881	431.881	0	425.64	0	4.1	Yes	435.2	0	79.41	YES	436.83	0	92.71	Yes
ST-STR-1084	Headwall	425.701	425.701	0	434.27	0	45.74	Yes	425.76	0	3.12	YES	425.78	0	4.91	Yes
ST-STR-1085	Headwall	392.829	392.829	0	425.75	0	1.97	Yes	393.04	0	54.1	YES	393.06	0	61.48	Yes
ST-STR-1086	Headwall	433.408	437.943	4.535	393.01	0	43.09	Yes	433.83	0	243.4	NO	433.93	0	339.37	No
ST-STR-1087	Headwall	307.49	307.49	0	433.76	0	178.42	No	312.2	0	157.22	YES	313.01	0	271.88	Yes
ST-STR-1088	Connector	429.226	429.226	0	311.56	0	89.79	Yes	429.63	0	15.44	YES	429.73	0	27.18	Yes
ST-STR-1089	Headwall	404.754	409.934	5.18	429.56	0	8.68	Yes	408.51	0	68.29	NO	410.03	0	106.69	Yes
ST-STR-109	Connector	434.677	434.825	0	407.29	0	37.09	No	435	0	5.25	YES	435.06	0	8.56	Yes
ST-STR-1090	Connector	0	0	0	434.92	0	2.54	Yes	0	0	0	NO	0	0	0	No
ST-STR-1091	Connector	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-1092	Inlet	409.937	414.937	5	0	0	0	No	410.05	0	0.27	NO	411.99	0	6.41	No
ST-STR-1093	Inlet	415.682	422.682	7	410.03	0	0.17	No	415.77	0	0.27	NO	415.79	0	0.41	No
ST-STR-1094	Connector	0	0	0	415.75	0	0.17	No	0	0	0	NO	0	0	0	No
ST-STR-1095	Connector	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-1096	Connector	287.2	290.419	3.219	0	0	0	No	290.82	0	40.99	YES	291.58	0	48.41	Yes
ST-STR-1097	Connector	288.017	292.517	4.5	290.57	0	23.56	Yes	290.95	0	33.66	NO	291.85	0	37.95	No
ST-STR-1098	Connector	391.025	392.025	1	290.74	0	19.02	No	393.22	0	46.99	YES	393.42	0	60.12	Yes
ST-STR-1099	Connector	0	0	0	392.92	0	29.8	Yes	0	0	0	NO	0	0	0	No
ST-STR-11	Cleanout/Manhole	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-110	Headwall	440	441.073	1.073	0	0	0	No	440.7	0	4.63	NO	440.76	0	7.77	No
ST-STR-1100	Headwall	311.506	316.506	5	440.65	0	2.57	No	313.41	0.4	20.67	NO	314.26	0.016	33.94	No
ST-STR-1101	Connector	331.303	331.303	0	312.69	0.26	10.83	No	332.09	0	164.62	YES	332.09	0	164.62	Yes
ST-STR-1102	Connector	351.28	351.459	0	332.09	0	164.62	Yes	351.29	0	0.02	NO	351.29	0	0.03	No
ST-STR-1103	Cleanout	301.435	304.935	3.5	351.28	0	0.02	No	303.86	0	3.73	NO	304.72	0	5.53	No

Proposed Condition Junctions Results Summary Table

	Dimensions				2-year				10-year				100-year			
Facility ID	Type	Invert Elevation (feet)	Rim Elevation (feet)	Depth (feet)	Max. HGL (2-year) (feet)	Max. Lateral Inflow (2-year) (cfs)	Max. Total Inflow (2-year) (cfs)	Surcharging (2-year)	Max. HGL (10-year) (feet)	Max. Lateral Inflow (10-year) (cfs)	Max. Total Inflow (10-year) (cfs)	Surcharging (10-year)	Max. HGL (100-year) (feet)	Max. Lateral Inflow (100-year) (cfs)	Max. Total Inflow (100-year) (cfs)	Surcharging (100-year)
ST-STR-1104	Connector	354	354.566	0.566	303.21	0	2.95	No	354.01	0	0.14	NO	354.02	0	0.32	No
ST-STR-1105	Connector	414.035	414.192	0	354.01	0	0.04	No	414.08	0	1.14	NO	414.1	0	1.77	No
ST-STR-1106	Discharge	0	0	0	414.07	0	0.72	No	0	0	0	NO	0	0	0	No
ST-STR-1107	Connector	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-1108	Connector	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-1109	Connector	395.666	395.666	0	0	0	0	No	396.09	0	86.86	YES	396.09	0	86.86	Yes
ST-STR-111	Connector	438.347	438.347	0	396.09	0	86.86	Yes	438.38	0	0.55	YES	438.39	0	0.75	Yes
ST-STR-1110	Outlet	448.444	448.444	0	438.37	0	0.32	Yes	448.68	0	1.26	YES	448.74	0	2.08	Yes
ST-STR-1111	Headwall	443.335	443.335	0	448.62	0	0.71	Yes	443.83	0	1.23	YES	443.89	0	2.04	Yes
ST-STR-1112	Connector	400.331	400.331	0	443.75	0	0.69	Yes	402.42	0	27.82	YES	415.22	0	46.54	Yes
ST-STR-1113	Connector	413	414.259	1.259	401.54	0	15.79	Yes	415.21	0	29.92	YES	415.46	0	53.91	Yes
ST-STR-1115	Connector	427.746	439.246	11.5	415.03	0	17.04	Yes	429.65	0	27.42	NO	435.1	0	43.06	No
ST-STR-1116	Connector	431.077	437.077	6	429.09	0	15.39	No	431.08	0	0	NO	434.73	0	4.05	No
ST-STR-1117	Connector	431.676	436.676	5	431.08	0	0	No	431.68	0	0	NO	434.69	0	1.72	No
ST-STR-1118	Connector	437.805	437.805	0	431.68	0	0	No	437.86	0	0.97	YES	437.88	0	1.45	Yes
ST-STR-1119	Connector	0	0	0	437.85	0	0.58	Yes	0	0	0	NO	0	0	0	No
ST-STR-112	Connector	432.413	433.275	0	0	0	0	No	432.56	0	15.51	NO	432.57	0	19.58	No
ST-STR-1120	Connector	469.206	476.123	6.917	432.53	0	10.95	No	470.28	0	9.06	NO	473.91	0	14.82	No
ST-STR-1121	Connector	462.42	469.992	7.572	469.96	0	5.49	No	473.46	0	80.11	YES	478.54	0	78.77	Yes
ST-STR-1122	Cleanout	465.861	470.861	5	464.33	0	47.07	No	467.08	0	25.55	NO	471.11	0	48.53	Yes
ST-STR-1123	Connector	485.912	495.586	9.674	466.48	0	13.1	No	486.51	0	25.56	NO	486.76	0	48.68	No
ST-STR-1124	Connector	277.5	283.037	5.537	486.34	0	13.1	No	280.17	0	90.33	NO	280.85	0	130.25	No
ST-STR-1125	Connector	277.2	282.045	4.845	279.44	0	51.7	No	280.05	0	92.91	NO	280.62	0	129.39	No
ST-STR-1126	Connector	306.849	306.849	0	279.34	0	52.51	No	310.11	0	887.3	YES	310.45	0	1138.92	Yes
ST-STR-1128	Connector	459.186	459.937	0.751	309.73	0	666.03	Yes	459.24	0	3.15	NO	459.25	0	5.06	No
ST-STR-1129	Connector	439.108	494.57	55.462	459.22	0	1.93	No	439.43	0	3.57	NO	439.51	0	5.58	No
ST-STR-113	Headwall	479	480.009	1.009	439.36	0	2.27	No	479	0	0	NO	479	0	0	No
ST-STR-1130	Connector	426.021	433.105	7.084	479	0	0	No	426.78	0	6.67	NO	427.01	0	10.65	No
ST-STR-1131	Connector	449.195	483.482	34.287	426.62	0	4.12	No	449.53	0	3.59	NO	449.62	0	5.6	No
ST-STR-1132	Connector	415.533	421.533	6	449.47	0	2.28	No	415.63	0	0.5	NO	415.65	0	0.8	No
ST-STR-1133	Connector	393.28	406.28	13	415.61	0	0.32	No	393.9	0	10.54	NO	394.08	0	16.96	No
ST-STR-1135	Connector	348.925	348.925	0	393.76	0	6.39	No	349.83	0	53.76	YES	350.24	0	101.99	Yes
ST-STR-1136	Connector	436.266	449.407	13.141	349.55	0	27.99	Yes	444.49	0.92	51.9	NO	442.99	0.041	53.2	No
ST-STR-1137	Connector	445.582	450.582	5	437.97	0.59	40.3	No	445.93	0	5.79	NO	446.03	0	9.62	No
ST-STR-1138	Connector	432.866	443.867	11.001	445.85	0	3.42	No	436.09	0	49.68	NO	436.68	0	53.2	No
ST-STR-1139	Connector	442.07	447.07	5	434.56	0	40.15	No	442.22	0	0.75	NO	442.25	0	1.15	No
ST-STR-114	Connector	478.344	479.047	0.547	442.19	0	0.48	No	478.34	0	0	NO	478.34	0	0	No
ST-STR-1140	Connector	413.957	420.957	7	478.34	0	0	No	415.13	0	54.12	NO	415.21	0	61.53	No
ST-STR-1141	Connector	404.53	411.53	7	415	0	43.16	No	405.84	0	54.1	NO	405.92	0	61.48	No
ST-STR-1142	Connector	0	0	0	405.7	0	43.11	No	0	0	0	NO	0	0	0	No
ST-STR-1143	Connector	435.197	439.197	4	0	0	0	No	443.49	0	7.65	YES	446.83	0	17.84	Yes
ST-STR-1144	Connector	336.145	336.409	0	449.38	0	4.27	Yes	338.03	0	35.52	YES	338.38	0	67.37	Yes
ST-STR-1145	Connector	492.567	492.567	0	337.89	0	17.68	Yes	498.06	0	4.32	YES	496.31	0	6.16	Yes
ST-STR-1146	Connector	354	363.998	9.998	492.74	0	0.5	Yes	354.56	0	22.72	NO	354.74	0	38.53	No
ST-STR-1147	Connector	326.945	331.945	5	354.42	0	12.94	No	327.52	0	22.74	NO	327.7	0	38.56	No
ST-STR-1148	Connector	319.546	324.546	5	327.37	0	12.95	No	320.07	0	22.68	NO	320.22	0	38.5	No
ST-STR-1149	Connector	308.033	313.033	5	319.94	0	12.91	No	312.25	0	22.67	NO	313.04	0	38.5	Yes

Proposed Condition Junctions Results Summary Table

	Dimensions				2-year				10-year				100-year			
Facility ID	Type	Invert Elevation (feet)	Rim Elevation (feet)	Depth (feet)	Max. HGL (2-year) (feet)	Max. Lateral Inflow (2-year) (cfs)	Max. Total Inflow (2-year) (cfs)	Surcharging (2-year)	Max. HGL (10-year) (feet)	Max. Lateral Inflow (10-year) (cfs)	Max. Total Inflow (10-year) (cfs)	Surcharging (10-year)	Max. HGL (100-year) (feet)	Max. Lateral Inflow (100-year) (cfs)	Max. Total Inflow (100-year) (cfs)	Surcharging (100-year)
ST-STR-115	Connector	489.972	490.419	0	311.58	0	12.9	No	490.01	0	0.99	NO	490.03	0	1.6	No
ST-STR-1150	Connector	319.955	324.955	5	490	0	0.55	No	321.34	0	22.73	NO	321.87	0	38.56	No
ST-STR-1151	Connector	406.116	406.116	0	320.97	0	12.95	No	406.19	0	2.39	YES	406.23	0	4.59	Yes
ST-STR-1152	Connector	375.226	375.226	0	406.17	0	1.34	Yes	375.82	0	4.46	YES	375.99	0	7.01	Yes
ST-STR-1153	Connector	429.62	436.773	7.153	375.69	0	2.81	Yes	430.55	0	17.64	NO	496.73	0	30.73	Yes
ST-STR-1154	Connector	402.2	416.522	14.322	430.28	0	9.81	No	404.49	0	79.14	NO	441.75	0	137.23	Yes
ST-STR-1155	Connector	421.8	437.233	15.433	403.65	0	46.61	No	423.55	0	41.83	NO	502.57	0	71.83	Yes
ST-STR-1156	Cleanout	429.626	438.126	8.5	422.76	0	24.63	No	430.88	0	21.7	NO	435.79	0	29.47	No
ST-STR-1157	Cleanout	443.331	447.831	4.5	430.38	0	12.93	No	443.83	0	4.46	NO	443.99	0	7.5	No
ST-STR-1158	Cleanout	462.385	469.885	7.5	443.71	0	2.55	No	462.76	0	4.48	NO	462.87	0	7.53	No
ST-STR-1159	Cleanout	419.264	423.764	4.5	462.67	0	2.56	No	425.01	0	20.74	YES	425.77	0	25.14	Yes
ST-STR-116	Headwall	447.138	450.138	3	421.69	0	12.79	No	450.15	0	62.05	YES	450.27	0	97.97	Yes
ST-STR-1160	Cleanout	415.8	422.621	6.821	450.04	0	35.09	No	421.05	0	15.99	NO	423.2	0	15.38	Yes
ST-STR-1161	Cleanout	403.376	419.876	16.5	416.91	0	12.92	No	414.27	0	31.38	NO	418.97	0	34.17	No
ST-STR-1162	Cleanout	407.033	411.533	4.5	408.43	0	22.17	No	415.95	0	3.92	YES	421.24	0	4.14	Yes
ST-STR-1163	Cleanout	413.4	433.957	20.557	408.59	0	1.86	No	425.63	0	63.15	NO	487.16	0	109.15	Yes
ST-STR-1164	Cleanout	407.93	422.158	14.228	415.02	0	36.89	No	410.16	0	64.08	NO	461.16	0	110.7	Yes
ST-STR-1165	Inlet	371.911	377.411	5.5	409.36	0	37.6	No	372.25	4.73	4.73	NO	372.77	0.274	8.1	No
ST-STR-1166	Inlet	353.293	357.793	4.5	372.16	2.54	2.54	No	353.82	6.16	6.16	NO	354.01	0.386	10.63	No
ST-STR-1167	Inlet	326.427	329.427	3	353.68	3.44	3.44	No	326.8	1.22	1.22	NO	326.9	0.047	1.95	No
ST-STR-1168	Other	440.891	441.85	0	326.71	0.71	0.71	No	441.92	1.23	1.23	YES	441.93	0.057	1.97	Yes
ST-STR-1169	Other	451.819	451.819	0	441.91	0.72	0.72	Yes	451.84	0.87	0.87	YES	451.84	0.037	1.4	Yes
ST-STR-117	Headwall	504	506.222	2.222	451.83	0.5	0.5	Yes	504	0	0	NO	504	0	0	No
ST-STR-1170	Other	418.673	418.869	0	504	0	0	No	419.05	0.27	0.27	YES	419.09	0.012	0.42	Yes
ST-STR-1171	Inlet	367.261	372.761	5.5	419.03	0.18	0.18	Yes	368.95	4.64	90.82	NO	371.81	0.2	175.29	No
ST-STR-1172	Inlet	419.441	426.441	7	368.51	2.83	52.76	No	419.44	0	0	NO	420.13	0	8.58	No
ST-STR-1173	Inlet	418	426.009	8.009	419.44	0	0	No	418	0	0	NO	418.4	0	11.52	No
ST-STR-1175	Inlet	310.585	314.085	3.5	418	0	0	No	311.18	5.48	5.48	NO	311.33	0.233	8.64	No
ST-STR-1176	Inlet	370.137	375.637	5.5	311.06	3.39	3.39	No	371.05	2.98	31.21	NO	371.17	0.169	38.51	No
ST-STR-1177	Headwall	372.601	374.524	0	370.92	1.8	23.13	No	372.64	2.8	2.8	NO	372.65	0.159	4.58	No
ST-STR-1178	Headwall	372.14	372.14	0	372.63	1.69	1.69	No	375.16	4.26	28.82	YES	375.71	0.194	41.26	Yes
ST-STR-1179	Inlet	300.311	304.811	4.5	374.57	2.71	21.66	Yes	301.57	1.49	33.82	NO	306.56	0.074	53.5	Yes
ST-STR-118	Headwall	497	499.014	2.014	301.11	0.88	19.08	No	498.67	0	3.91	NO	500.32	0	11.15	Yes
ST-STR-1180	Inlet	309.358	313.858	4.5	497.57	0	2.18	No	310.09	14.99	14.99	NO	313.41	0.989	25.43	No
ST-STR-1181	Inlet	309.882	314.382	4.5	309.89	8.48	8.48	No	310.37	7.74	7.74	NO	310.72	0.478	13.32	No
ST-STR-1182	Inlet	306.317	310.817	4.5	310.24	4.3	4.3	No	307.17	4.61	19.59	NO	311.5	0.326	33.42	Yes
ST-STR-1183	Inlet	306.218	310.718	4.5	306.93	2.55	11.02	No	306.92	5.07	12.8	NO	309.71	0.334	22.19	No
ST-STR-1184	Inlet	286.7	291.386	4.686	306.73	2.92	7.21	No	290.9	0.75	40.94	NO	291.7	0.046	50.58	Yes
ST-STR-1185	Inlet	287.521	291.021	3.5	290.35	0.46	23.95	No	290.91	7.35	7.35	NO	291.63	0.341	11.67	Yes
ST-STR-1186	Inlet	286.604	290.104	3.5	290.77	4.46	4.46	No	290.85	3.45	73.7	YES	291.63	0.216	192.95	Yes
ST-STR-1187	Inlet	329.608	332.608	3	290.33	1.99	30.49	Yes	330.95	23.62	23.62	NO	332.22	1.7	42.32	No
ST-STR-1188	Inlet	0	0	0	330.55	13.49	13.49	No	0	0	0	NO	0	0	0	No
ST-STR-1189	Inlet	303.682	306.682	3	0	0	0	No	304.33	13.43	15.09	NO	304.58	0.904	26.07	No
ST-STR-119	Connector	454.567	454.91	0	304.16	7.68	8.5	No	454.67	0	11.93	NO	454.72	0	20.76	No
ST-STR-1190	Inlet	300.727	305.727	5	454.65	0	7.24	No	301.64	0.73	11.67	NO	305.52	0.037	18.52	No
ST-STR-1191	Inlet	299.522	304.522	5	301.38	0.45	6.78	No	300.04	5.72	5.72	NO	300.18	0.268	9.1	No
ST-STR-1192	Inlet	296.453	301.453	5	299.93	3.52	3.52	No	297.29	6.48	12.16	NO	297.55	0.315	19.28	No

Proposed Condition Junctions Results Summary Table

	Dimensions				2-year				10-year				100-year			
Facility ID	Type	Invert Elevation (feet)	Rim Elevation (feet)	Depth (feet)	Max. HGL (2-year) (feet)	Max. Lateral Inflow (2-year) (cfs)	Max. Total Inflow (2-year) (cfs)	Surcharging (2-year)	Max. HGL (10-year) (feet)	Max. Lateral Inflow (10-year) (cfs)	Max. Total Inflow (10-year) (cfs)	Surcharging (10-year)	Max. HGL (100-year) (feet)	Max. Lateral Inflow (100-year) (cfs)	Max. Total Inflow (100-year) (cfs)	Surcharging (100-year)
ST-STR-1193	Inlet	0	0	0	297.1	4.08	7.57	No	0	0	0	NO	0	0	0	No
ST-STR-1194	Inlet	296.45	301.45	5	0	0	0	No	297.7	1.1	12.13	NO	298.06	0.047	19.26	No
ST-STR-1195	Inlet	433.306	435.306	2	297.35	0.72	7.04	No	434.5	15.57	19.87	NO	435.01	1.04	33.47	No
ST-STR-1196	Inlet	432.339	437.339	5	434.16	8.92	11.29	No	433.88	7.17	27.02	NO	434.51	0.45	45.19	No
ST-STR-1198	Inlet	444.938	450.438	5.5	433.46	4.25	15.53	No	445.8	1.13	28.93	NO	446.13	0.056	52.44	No
ST-STR-1199	Inlet	470.205	475.205	5	445.57	0.7	15.24	No	470.89	4.41	4.41	NO	474	0.247	7.16	No
ST-STR-12	Cleanout	429	441.503	12.503	470.72	2.66	2.66	No	429.75	0	7.69	NO	429.99	0	12.64	No
ST-STR-120	Connector	0	0	0	429.57	0	4.54	No	0	0	0	NO	0	0	0	No
ST-STR-1200	Inlet	469.727	475.588	5.861	0	0	0	No	470.5	0.47	4.86	NO	473.89	0.021	8.68	No
ST-STR-1201	Inlet	470.747	475.747	5	470.28	0.3	2.95	No	471.79	12.56	12.56	NO	474.79	0.721	20.75	No
ST-STR-1202	Inlet	469.845	474.845	5	471.51	7.27	7.27	No	470.5	4.29	4.29	NO	473.95	0.243	6.98	No
ST-STR-1203	Inlet	468.335	474.763	6.428	470.32	2.58	2.58	No	469.9	0.63	24.04	NO	473.37	0.031	33.98	No
ST-STR-1204	Inlet	469.45	476.339	6.889	469.46	0.4	14.38	No	470.56	0.67	13.23	NO	473.98	0.028	20.55	No
ST-STR-1205	Inlet	469.037	472.037	3	470.23	0.44	7.71	No	470.02	1.5	1.5	NO	472.56	0.067	5.73	Yes
ST-STR-1206	Inlet	471.488	475.988	4.5	469.52	0.97	0.97	No	471.73	1.7	1.7	NO	471.79	0.073	2.61	No
ST-STR-1207	Inlet	465.742	472.234	6.492	471.68	1.09	1.09	No	468.65	4.01	31.47	NO	471.49	0.193	36.87	No
ST-STR-1208	Inlet	466.243	470.243	4	467.03	2.45	18.88	No	468.67	2.68	2.68	NO	470.92	0.13	12.49	Yes
ST-STR-1209	Inlet	463.5	470.898	7.398	467.05	1.67	1.67	No	467.63	1	35.08	NO	470.23	0.045	34.37	No
ST-STR-121	Other	460.402	479.884	0	464.89	0.65	21.86	No	460.42	0	0.22	NO	460.43	0	0.35	No
ST-STR-1210	Inlet	468.745	473.745	5	460.42	0	0.13	No	469.03	2.69	2.69	NO	470.29	0.121	4.17	No
ST-STR-1211	Inlet	463.95	468.95	5	468.97	1.73	1.73	No	467.67	2.12	2.12	NO	470.02	0.095	17.77	Yes
ST-STR-1212	Inlet	470.033	474.533	4.5	464.89	1.35	1.35	No	471.29	50.65	50.65	NO	474.67	1.63	81.08	Yes
ST-STR-1213	Inlet	459.574	467.932	8.358	470.92	28.88	28.88	No	466.1	3.44	101.95	NO	468.09	0.17	122.64	Yes
ST-STR-1214	Inlet	488.671	493.671	5	461.62	2.14	62.02	No	489.84	0.51	25.54	NO	495.46	0.02	48.67	Yes
ST-STR-1216	Inlet	457.564	466.564	9	489.48	0.32	13.1	No	465.47	3.08	89.88	NO	467.7	0.138	145.26	Yes
ST-STR-1217	Inlet	285.795	290.795	5	459.69	1.98	65.53	No	286.46	15.31	21.86	NO	286.68	0.907	36.52	No
ST-STR-1218	Headwall	293.131	293.637	0	286.3	8.97	12.51	No	293.21	8.82	8.82	NO	293.24	0.52	15.13	No
ST-STR-1219	Inlet	280.844	285.844	5	293.19	4.78	4.78	No	281.64	0.1	23.88	NO	282.12	0.004	39.97	No
ST-STR-122	Headwall	391.386	391.386	0	281.42	0.07	13.61	No	393.06	0	375.58	YES	393.4	0	456.55	Yes
ST-STR-1220	Inlet	318.429	323.429	5	392.75	0	274.05	Yes	318.65	2.8	2.8	NO	318.71	0.207	4.72	No
ST-STR-1221	Inlet	351.075	356.075	5	318.6	1.63	1.63	No	351.24	1.53	1.53	NO	351.28	0.087	2.49	No
ST-STR-1222	Inlet	362.871	367.871	5	351.2	0.92	0.92	No	363.04	1.84	1.84	NO	363.09	0.126	3.08	No
ST-STR-1223	Inlet	465.19	469.69	4.5	363	1.08	1.08	No	465.6	2.33	2.33	NO	465.73	0.144	3.96	No
ST-STR-1224	Inlet	464.556	470.056	5.5	465.5	1.31	1.31	No	464.95	2.15	4.47	NO	465.07	0.132	7.52	No
ST-STR-1225	Inlet	438.166	442.666	4.5	464.86	1.25	2.56	No	438.93	1.32	5.68	NO	440.6	0.072	9.47	No
ST-STR-1226	Inlet	433.983	440.483	6.5	438.73	0.82	3.3	No	434.92	0	11.23	NO	438.94	0	18.33	No
ST-STR-1227	Inlet	434.879	439.379	4.5	434.66	0	6.49	No	435.66	5.91	5.91	NO	439.27	0.305	9.86	No
ST-STR-1228	Inlet	460.503	465.003	4.5	435.45	3.45	3.45	No	460.75	2.14	2.14	NO	460.81	0.097	3.41	No
ST-STR-1229	Inlet	430.532	435.032	4.5	460.69	1.27	1.27	No	432.17	8.95	8.95	NO	437.93	0.434	14.31	Yes
ST-STR-123	Headwall	421.073	421.073	0	431.49	5.47	5.47	No	422.88	0	25.73	YES	423.18	0	42.05	Yes
ST-STR-1230	Inlet	417.1	423.222	6.122	421.93	0	15.3	Yes	421.98	2.13	17.29	NO	423.8	0.107	16.84	Yes
ST-STR-1231	Inlet	407.471	411.971	4.5	418.18	1.3	12.91	No	419.31	0.78	4.18	YES	421.21	0.036	3.4	Yes
ST-STR-1232	Inlet	407.64	412.14	4.5	408.57	0.51	0.63	No	416.03	1.81	2.41	YES	421.21	0.089	2.89	Yes
ST-STR-1233	Inlet	405.459	408.959	3.5	408.6	1.12	1.12	No	418.64	5.58	9.03	YES	421.08	0.258	12.93	Yes
ST-STR-1234	Inlet	397	411.119	14.119	415.2	3.48	5.06	Yes	397.76	2.57	27.07	NO	397.95	0.114	41.83	No
ST-STR-1235	Headwall	419.794	419.794	0	397.66	1.6	20.99	No	423.46	17.49	37.24	YES	424.75	0.951	48.94	Yes
ST-STR-1236	Inlet	470.452	474.952	4.5	422.39	10.21	26.07	Yes	471.08	2.52	2.52	NO	471.27	0.14	4.09	No

Proposed Condition Junctions Results Summary Table

	Dimensions				2-year				10-year				100-year			
Facility ID	Type	Invert Elevation (feet)	Rim Elevation (feet)	Depth (feet)	Max. HGL (2-year) (feet)	Max. Lateral Inflow (2-year) (cfs)	Max. Total Inflow (2-year) (cfs)	Surcharging (2-year)	Max. HGL (10-year) (feet)	Max. Lateral Inflow (10-year) (cfs)	Max. Total Inflow (10-year) (cfs)	Surcharging (10-year)	Max. HGL (100-year) (feet)	Max. Lateral Inflow (100-year) (cfs)	Max. Total Inflow (100-year) (cfs)	Surcharging (100-year)
ST-STR-1237	Inlet	470.312	474.812	4.5	470.93	1.52	1.52	No	470.56	0.63	3.32	NO	470.63	0.028	5.42	No
ST-STR-1238	Inlet	497.883	502.883	5	470.51	0.41	2.02	No	498.77	25.09	25.09	NO	499.2	2.18	47.69	No
ST-STR-1239	Inlet	469.674	474.674	5	498.5	12.83	12.83	No	469.87	1.22	1.22	NO	469.92	0.055	1.9	No
ST-STR-124	Headwall	422.797	422.797	0	469.84	0.78	0.78	No	422.93	0	10.77	YES	423.2	0	16.08	Yes
ST-STR-1240	Inlet	465.8	475.718	9.918	422.9	0	6.44	Yes	466.12	0.93	3.23	NO	466.19	0.041	5.04	No
ST-STR-1241	Inlet	476.55	481.55	5	466.05	0.6	2.05	No	476.75	0.26	1.11	NO	476.79	0.012	1.75	No
ST-STR-1242	Inlet	480.055	485.055	5	476.71	0.17	0.7	No	480.24	0.86	0.86	NO	480.29	0.043	1.36	No
ST-STR-1243	Inlet	483.29	488.29	5	480.2	0.53	0.53	No	483.37	0.43	0.43	NO	483.38	0.019	0.66	No
ST-STR-1244	Inlet	426.976	431.976	5	483.35	0.27	0.27	No	427.49	3.26	3.26	NO	427.65	0.162	5.22	No
ST-STR-1245	Inlet	458.884	465.884	7	427.37	1.96	1.96	No	465.8	3.63	91.7	NO	467.79	0.181	127.51	Yes
ST-STR-1246	Inlet	437.476	442.476	5	460.72	2.24	63.63	No	438.15	4.09	4.5	NO	438.35	0.21	7.18	No
ST-STR-1247	Inlet	441.629	446.629	5	438	2.52	2.77	No	441.75	0.41	0.41	NO	441.78	0.017	0.64	No
ST-STR-1248	Inlet	416.141	421.141	5	441.73	0.26	0.26	No	416.38	0.51	0.51	NO	416.43	0.024	0.8	No
ST-STR-1249	Inlet	395.467	400.467	5	416.33	0.32	0.32	No	395.99	2.4	2.89	NO	396.12	0.122	4.63	No
ST-STR-125	Headwall	429.617	429.617	0	395.88	1.48	1.79	No	429.87	0	26.69	YES	429.97	0	45.4	Yes
ST-STR-1250	Inlet	394.784	406.784	12	429.8	0	15.28	Yes	395.17	0.43	3.29	NO	395.39	0.019	5.24	No
ST-STR-1251	Inlet	393.915	408.915	15	395.09	0.28	2.04	No	394.36	0.94	4.2	NO	395.3	0.05	6.75	No
ST-STR-1252	Inlet	395.713	402.713	7	394.26	0.58	2.6	No	396.92	7.22	10.75	NO	397.4	0.396	17.43	No
ST-STR-1253	Inlet	396.209	401.209	5	396.62	4.38	6.54	No	396.98	3.62	3.62	NO	397.45	0.199	5.88	No
ST-STR-1254	Inlet	389.999	404.999	15	396.71	2.21	2.21	No	391.49	4.64	85.49	NO	391.98	0.217	145.7	No
ST-STR-1255	Inlet	388.18	393.18	5	391.1	2.93	48.01	No	389.55	14.06	14.06	NO	390.72	0.835	23.63	No
ST-STR-1256	Inlet	386.2	395.214	9.014	389.17	8.3	8.3	No	386.69	0.96	17.57	NO	386.84	0.054	29.54	No
ST-STR-1257	Inlet	387.3	392.925	5.625	386.58	0.58	10.53	No	388.61	2.82	16.81	NO	389.17	0.148	28.01	No
ST-STR-1258	Inlet	443.519	448.019	4.5	388.27	1.73	9.99	No	443.65	0.52	0.52	NO	443.68	0.025	0.82	No
ST-STR-1259	Inlet	432.4	435.599	3.199	443.62	0.33	0.33	No	435.36	1.64	1.64	NO	436.83	0.096	8.89	Yes
ST-STR-126	Other	452.713	454.465	0	435.23	0.98	0.98	No	452.71	0	0	NO	452.71	0	0	No
ST-STR-1260	Inlet	432	434.959	2.959	452.71	0	0	No	435.34	84.26	85.9	YES	436.83	4.02	138.81	Yes
ST-STR-1261	Inlet	425.903	430.903	5	435.22	46.96	47.92	Yes	426.39	0.78	3.13	NO	426.51	0.037	4.92	No
ST-STR-1262	Headwall	412.188	412.188	0	426.29	0.49	1.98	No	413.04	0.43	4.2	YES	413.58	0.018	6.5	Yes
ST-STR-1263	Inlet	412.883	415.883	3	412.81	0.28	2.67	Yes	413.1	0.45	0.45	NO	413.6	0.02	0.69	No
ST-STR-1264	Inlet	428.438	433.438	5	413.06	0.29	0.29	No	428.64	0.64	0.64	NO	428.68	0.03	1	No
ST-STR-1265	Other	413.316	413.316	0	428.6	0.4	0.4	No	413.58	0.64	1.69	YES	413.64	0.028	2.65	Yes
ST-STR-1266	Inlet	427.83	434.83	7	413.53	0.41	1.07	Yes	428.15	1.73	2.37	NO	428.23	0.08	3.71	No
ST-STR-1267	Headwall	501.677	501.677	0	428.09	1.1	1.5	No	504.41	18.66	18.66	YES	506.26	1.18	32.25	Yes
ST-STR-1268	Inlet	440.074	445.074	5	503.24	10.24	10.24	Yes	441.61	0.54	4.24	NO	443	0.024	4.08	No
ST-STR-1269	Inlet	434.433	439.433	5	440.23	0.35	0.35	No	434.7	2.29	2.29	NO	434.77	0.115	3.65	No
ST-STR-127	Headwall	0	0	0	434.65	1.42	1.42	No	0	0	0	NO	0	0	0	No
ST-STR-1270	Inlet	430.779	435.779	5	0	0	0	No	431.7	1.49	52.15	NO	431.76	0.067	57.94	No
ST-STR-1271	Inlet	433	435.855	2.855	431.6	0.95	41.88	No	433.23	1.03	1.76	NO	433.28	0.044	2.7	No
ST-STR-1272	Inlet	438.972	444.456	5.484	433.19	0.67	1.15	No	445.19	0.49	59.03	YES	446.1	0.021	114.03	Yes
ST-STR-1273	Inlet	446.577	451.577	5	440.5	0.3	36.29	No	447.1	5.78	5.78	NO	447.25	0.378	9.6	No
ST-STR-1274	Inlet	440.952	445.952	5	446.98	3.41	3.41	No	445.22	6.3	6.3	NO	446.14	0.415	12.81	Yes
ST-STR-1275	Inlet	447.932	453.432	5.5	441.37	3.71	3.71	No	448.25	2.84	2.84	NO	448.34	0.177	4.68	No
ST-STR-1276	Inlet	442.996	450.342	7.346	448.18	1.69	1.69	No	446.21	3.56	50.48	NO	464.93	0.204	100.79	Yes
ST-STR-1277	Inlet	445.989	450.989	5	444.02	2.14	30.77	No	446.12	0.75	0.75	NO	446.15	0.033	1.15	No
ST-STR-1278	Inlet	433.545	454.07	20.525	446.09	0.48	0.48	No	438.46	0.53	227.9	NO	440.01	0.026	339.49	No
ST-STR-1279	Inlet	433.619	441.456	7.837	437.8	0.33	155.94	No	439.28	183.78	219.85	NO	441.85	21.7	348.11	Yes

Proposed Condition Junctions Results Summary Table

	Dimensions				2-year				10-year				100-year			
Facility ID	Type	Invert Elevation (feet)	Rim Elevation (feet)	Depth (feet)	Max. HGL (2-year) (feet)	Max. Lateral Inflow (2-year) (cfs)	Max. Total Inflow (2-year) (cfs)	Surcharging (2-year)	Max. HGL (10-year) (feet)	Max. Lateral Inflow (10-year) (cfs)	Max. Total Inflow (10-year) (cfs)	Surcharging (10-year)	Max. HGL (100-year) (feet)	Max. Lateral Inflow (100-year) (cfs)	Max. Total Inflow (100-year) (cfs)	Surcharging (100-year)
ST-STR-128	Headwall	436.287	436.287	0	438.8	105.11	131.77	No	439.57	0	71.65	YES	439.63	0	98.37	Yes
ST-STR-1280	Inlet	433.785	442.226	8.441	439.5	0	39.88	Yes	439.77	3.6	36.05	NO	442.59	0.178	57.35	Yes
ST-STR-1281	Inlet	434.215	448.695	14.48	438.52	2.24	25.05	No	442.11	0.67	34.06	NO	447.67	0.03	50.68	No
ST-STR-1282	Inlet	434.297	453.455	19.158	439.49	0.43	22.81	No	442.58	0.29	33.39	NO	448.61	0.016	49.63	No
ST-STR-1283	Inlet	436.539	441.539	5	439.69	0.17	22.48	No	444.33	15.66	15.66	YES	452.24	0.943	25.78	Yes
ST-STR-1284	Inlet	434.639	442.218	7.579	442.59	9.28	9.28	Yes	444.05	0.62	16.29	YES	451.49	0.027	26.72	Yes
ST-STR-1285	Inlet	434.421	445.129	10.708	440.87	0.41	12.77	No	443.21	1.76	33.09	NO	449.98	0.09	49.16	Yes
ST-STR-1286	Inlet	434.494	446.578	12.084	439.99	1.08	22.33	No	443.55	2.01	31.32	NO	450.76	0.091	46.33	Yes
ST-STR-1287	Inlet	434.773	438.892	4.119	440.16	1.29	21.43	No	444.03	0.67	6.87	YES	451.24	0.029	11.09	Yes
ST-STR-1288	Inlet	434.91	437.841	2.931	443.52	0.44	4.56	Yes	444	0.73	6.73	YES	450.94	0.032	12.15	Yes
ST-STR-1289	Inlet	434.999	437.499	2.5	446.96	0.48	4.31	Yes	443.58	3.66	7.64	YES	447.23	0.179	17.82	Yes
ST-STR-129	Connector	0	0	0	449.2	2.28	4.03	Yes	0	0	0	NO	0	0	0	No
ST-STR-1290	Inlet	437.985	441.985	4	0	0	0	No	443.21	2.31	9.95	YES	444.03	0.109	60.41	Yes
ST-STR-1291	Inlet	472.587	478.087	5.5	441.22	1.45	5.36	No	473.07	5.01	15.68	NO	473.21	0.346	26.51	No
ST-STR-1292	Inlet	472.786	478.286	5.5	472.95	2.81	8.81	No	473.83	10.71	10.71	NO	474.19	0.61	17.94	No
ST-STR-1293	Inlet	452.047	457.047	5	473.55	6.02	6.02	No	452.34	0.17	1.08	NO	452.41	0.008	1.72	No
ST-STR-1294	Inlet	451.19	456.19	5	452.28	0.11	0.67	No	451.36	0.26	1.32	NO	451.4	0.012	2.1	No
ST-STR-1295	Inlet	452.8	458.152	5.352	451.32	0.16	0.81	No	453.07	0.08	0.92	NO	453.13	0.009	1.48	No
ST-STR-1296	Inlet	453.638	458.638	5	453.01	0.05	0.57	No	453.87	0.77	0.77	NO	453.93	0.039	1.23	No
ST-STR-1297	Inlet	453.183	458.183	5	453.82	0.48	0.48	No	453.48	0.07	0.84	NO	453.56	0.003	1.34	No
ST-STR-1298	Inlet	427.572	433.072	5.5	453.42	0.05	0.52	No	435.25	30.38	30.38	YES	436.97	2.56	54.98	Yes
ST-STR-1299	Headwall	495.501	495.501	0	431.62	16.74	16.74	No	495.66	0.86	0.94	YES	495.78	0.032	4.9	Yes
ST-STR-13	Cleanout	424.5	432.562	8.062	495.65	0.53	0.82	Yes	427.76	0	212.93	NO	428.32	0	272.08	No
ST-STR-130	Other	450.604	450.604	0	426.64	0	110.08	No	450.79	0	5.35	YES	450.86	0	8.66	Yes
ST-STR-1300	Inlet	370.654	376.654	6	450.74	0	3.15	Yes	372.36	41.87	41.87	NO	373.17	2.9	69.51	No
ST-STR-1301	Inlet	391.6	402.97	11.37	371.91	24.8	24.8	No	393.59	3.11	81.52	NO	407.25	0.165	142.28	Yes
ST-STR-1302	Inlet	386.39	398.826	12.436	392.98	1.86	48.28	No	387.72	4.45	85.5	NO	393.07	0.248	149.49	No
ST-STR-1303	Inlet	372.6	378.941	6.341	387.38	2.67	50.7	No	375.08	0.19	102.09	NO	376.39	0.008	169.61	No
ST-STR-1304	Inlet	435.55	441.67	6.12	374.41	0.12	60.57	No	436.39	8.83	8.83	NO	506.42	0.65	15.48	Yes
ST-STR-1305	Inlet	441.27	449.524	8.254	436.15	4.92	4.92	No	441.82	8.83	8.83	NO	514.47	0.615	15.15	Yes
ST-STR-1306	Inlet	430.42	437.457	7.037	441.68	4.98	4.98	No	434.2	8.89	17.64	NO	503.92	0.634	30.74	Yes
ST-STR-1307	Inlet	433.55	441.867	8.317	431.6	5.01	9.9	No	433.89	1.23	1.23	NO	521.91	0.069	10.2	Yes
ST-STR-1308	Inlet	447	454.616	7.616	433.81	0.76	0.76	No	447.86	4.77	4.77	NO	515.63	0.28	7.92	Yes
ST-STR-1309	Inlet	444.94	452.229	7.289	447.63	2.75	2.75	No	445.45	1.4	7.15	NO	514.83	0.088	12.15	Yes
ST-STR-131	Connector	427	431.233	4.233	445.33	0.85	4.19	No	428.73	0	22.55	NO	429.14	0	36.37	No
ST-STR-1310	Inlet	435.68	443.849	8.169	428.4	0	13.01	No	435.85	1.88	1.88	NO	505.52	0.088	4.51	Yes
ST-STR-1311	Inlet	426.07	440.735	14.665	435.81	1.18	1.18	No	426.91	1.22	19.62	NO	504.76	0.056	33.61	Yes
ST-STR-1312	Inlet	425.46	437.154	11.694	426.7	0.78	11.47	No	426.42	13.85	22.14	NO	505.42	0.881	41.28	Yes
ST-STR-1313	Inlet	454.8	470.709	15.909	426.17	8.23	13.01	No	455.16	3.93	3.93	NO	535.01	0.232	14.64	Yes
ST-STR-1314	Inlet	412.9	421.039	8.139	455.07	2.24	2.24	No	413.09	0.98	0.98	NO	461.18	0.044	4.43	Yes
ST-STR-1315	Inlet	439.21	447.819	8.609	413.05	0.62	0.62	No	439.73	1.67	5.45	NO	527.08	0.083	11.94	Yes
ST-STR-1316	Inlet	429.98	442.532	12.552	439.6	0.97	3.1	No	430.31	0.42	2.61	NO	504.97	0.021	9.04	Yes
ST-STR-1317	Inlet	406.5	414.63	8.13	430.24	0.27	1.64	No	407.02	2.66	2.66	NO	442.47	0.12	7.69	Yes
ST-STR-1318	Inlet	446.8	454.93	8.13	406.89	1.59	1.59	No	447.41	1	5.93	NO	515.4	0.06	9.51	Yes
ST-STR-1319	Inlet	422.16	437.253	15.093	447.26	0.61	3.36	No	423.78	0.37	42.03	NO	503.27	0.016	71.78	Yes
ST-STR-132	Headwall	413.451	414.451	1	423.13	0.24	24.64	No	415.33	0	29.91	YES	415.73	0	53.87	Yes
ST-STR-1320	Inlet	440.61	448.741	8.131	415.08	0	17.03	Yes	440.85	2.38	2.38	NO	521.94	0.104	6.77	Yes

Proposed Condition Junctions Results Summary Table

	Dimensions				2-year				10-year				100-year			
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ST-STR-1321	Inlet	425.9	434.028	8.128	440.8	1.41	1.41	No	426.51	4.19	21.76	NO	491.87	0.227	37.47	Yes
ST-STR-1322	Inlet	432.62	443.875	11.255	426.35	2.54	12.3	No	432.91	0.32	2.2	NO	505.47	0.016	7.01	Yes
ST-STR-1323	Inlet	405.99	414.128	8.138	432.85	0.2	1.38	No	406.69	13.78	16.4	NO	442.45	0.796	26.88	Yes
ST-STR-1324	Inlet	373	391.797	18.797	406.53	8.15	9.71	No	373.22	2.05	2.05	NO	373.27	0.098	3.26	No
ST-STR-1326	Inlet	366.46	390.013	23.553	373.18	1.29	1.29	No	367.75	0.84	34.08	NO	368.11	0.034	49.83	No
ST-STR-1327	Inlet	368	387.892	19.892	367.56	0.54	25.76	No	369.17	0.38	33.95	NO	369.49	0.013	49.7	No
ST-STR-1328	Other	405.627	405.627	0	369	0.24	25.66	No	405.79	0	22	YES	405.83	0	42.62	Yes
ST-STR-1329	Headwall	386.848	386.848	0	405.79	0	20.21	Yes	386.85	0	0	YES	386.85	0	0	Yes
ST-STR-133	Headwall	397	401.214	4.214	386.85	0	0	Yes	399.42	0	42.34	NO	399.55	0	52.8	No
ST-STR-1330	Inlet	361.25	388.128	26.878	399.22	0	28.08	No	363	0.23	34.12	NO	363.65	0.009	49.87	No
ST-STR-1331	Inlet	418.4	426.734	8.334	362.69	0.15	25.79	No	419.14	1.46	7.62	NO	419.43	0.07	13.21	No
ST-STR-1332	Inlet	427.13	429.198	2.068	418.93	0.77	4.08	No	427.59	2.18	2.18	NO	427.74	0.142	3.96	No
ST-STR-1333	Cleanout	419.38	429.337	9.957	427.45	1.07	1.07	No	420.19	0	4.26	NO	420.56	0	7.31	No
ST-STR-1334	Inlet	423.3	432.756	9.456	419.97	0	2.42	No	423.85	0.28	4.29	NO	424.05	0.013	7.36	No
ST-STR-1335	Inlet	425.45	434.69	9.24	423.71	0.18	2.44	No	425.97	0.22	4.04	NO	426.15	0.01	6.98	No
ST-STR-1336	Inlet	427.56	436.554	8.994	425.83	0.14	2.28	No	428.03	0.31	3.86	NO	428.2	0.015	6.69	No
ST-STR-1337	Inlet	430	438.444	8.444	427.91	0.2	2.17	No	430.51	3.55	3.55	NO	430.7	0.251	6.21	No
ST-STR-1338	Inlet	415.78	425.215	9.435	430.38	1.97	1.97	No	416.22	0.08	7.67	NO	416.36	0.003	13.3	No
ST-STR-1339	Inlet	417.06	425.185	8.125	416.1	0.05	4.11	No	417.31	0.26	1.22	NO	417.38	0.012	1.88	No
ST-STR-134	Connector	434	437.086	3.086	417.27	0.17	0.78	No	437.19	6.75	23.37	YES	439.49	0.428	37.06	Yes
ST-STR-1340	Inlet	415.53	423.837	8.307	436.03	3.96	13.24	No	415.97	5.14	6.32	NO	416.12	0.313	10.86	No
ST-STR-1341	Outlet	404.327	404.327	0	415.85	2.64	3.4	No	404.53	0	6.32	YES	404.58	0	10.85	Yes
ST-STR-1342	Headwall	381.44	381.44	0	404.49	0	3.4	Yes	381.81	0	7.89	YES	381.89	0	13.63	Yes
ST-STR-1343	Inlet	423.62	425.75	2.13	381.73	0	4.25	Yes	423.74	0.08	0.08	NO	423.77	0.004	0.13	No
ST-STR-1344	Connector	423.07	425.202	2.132	423.72	0.05	0.05	No	423.13	0	0.08	NO	423.15	0	0.12	No
ST-STR-1345	Inlet	423.84	425.933	2.093	423.12	0	0.05	No	424.18	0.9	0.9	NO	424.25	0.04	1.39	No
ST-STR-1346	Inlet	427.47	435.598	8.128	424.12	0.58	0.58	No	436.6	1.41	25.16	YES	437.05	0.063	30.1	Yes
ST-STR-1347	Inlet	427.06	435.532	8.472	435.9	0.89	21.93	Yes	434.95	0.91	0.91	NO	435.66	0.04	1.4	Yes
ST-STR-1348	Headwall	422.786	422.786	0	434.38	0.6	0.6	No	424.07	0	22	YES	424.43	0	42.62	Yes
ST-STR-1349	Outlet	419.982	419.982	0	424.03	0	20.21	Yes	420	0	0.47	YES	420	0	0.76	Yes
ST-STR-135	Other	448.398	448.668	0	419.99	0	0.3	Yes	448.4	0	0	NO	448.4	0	0	No
ST-STR-1350	Inlet	417	425.264	8.264	448.4	0	0	No	417.06	0.24	0.24	NO	417.08	0.012	0.38	No
ST-STR-1351	Connector	378.818	378.818	0	417.05	0.16	0.16	No	378.82	0	0	YES	378.82	0	0	Yes
ST-STR-1352	Inlet	454.41	461.531	7.121	378.82	0	0	Yes	459.77	1.71	1.71	NO	461.98	0.097	2.81	Yes
ST-STR-1353	Inlet	459.72	465.839	6.119	454.58	0.99	0.99	No	482.02	4.43	4.65	YES	477.01	0.241	7.24	Yes
ST-STR-1354	Inlet	458.887	465.476	6.589	460.13	2.6	2.6	No	480.85	3.32	8.93	YES	475.82	0.201	12.76	Yes
ST-STR-1355	Inlet	462.2	469.35	7.15	459.58	1.92	4.51	No	468.41	5.32	5.32	NO	470.3	0.311	8.82	Yes
ST-STR-1356	Inlet	461.25	469.366	8.116	462.63	3.07	3.07	No	467.89	3.01	8.31	NO	470.09	0.176	13.79	Yes
ST-STR-1357	Inlet	454.3	461.807	7.507	461.72	1.74	4.81	No	463.32	0.39	2.66	YES	465.26	0.018	5.99	Yes
ST-STR-1358	Inlet	454	461.576	7.576	457.83	0.22	0.89	No	463.24	6.95	19.43	YES	465.2	0.413	31.43	Yes
ST-STR-1359	Connector	455.285	466.09	10.805	457.78	3.92	11.63	No	465.03	0	16.96	NO	467.75	0	26.56	Yes
ST-STR-136	Headwall	451.007	451.007	0	458.23	0	9.1	No	451.01	0	0	YES	451.01	0	0	Yes
ST-STR-1360	Inlet	455.3	462.804	7.504	451.01	0	0	Yes	461.91	5.92	5.92	NO	464.82	0.462	10.5	Yes
ST-STR-1361	Cleanout	450	462.577	12.577	455.74	3.29	3.29	No	461.69	0	15.33	NO	463.65	0	17.56	Yes
ST-STR-1362	Inlet	452.54	462.656	10.116	454.57	0	12.59	No	461.85	0.92	0.92	NO	463.76	0.042	1.45	Yes
ST-STR-1363	Inlet	456.78	462.897	6.117	454.87	0.57	0.57	No	461.89	1.92	1.92	NO	464.69	0.116	3.2	Yes
ST-STR-1364	Inlet	456.27	463.403	7.133	457	1.11	1.11	No	457.13	1.89	1.89	NO	468.11	0.105	4.17	Yes

Proposed Condition Junctions Results Summary Table

	Dimensions				2-year				10-year				100-year			
Facility ID	Type	Invert Elevation (feet)	Rim Elevation (feet)	Depth (feet)	Max. HGL (2-year) (feet)	Max. Lateral Inflow (2-year) (cfs)	Max. Total Inflow (2-year) (cfs)	Surcharging (2-year)	Max. HGL (10-year) (feet)	Max. Lateral Inflow (10-year) (cfs)	Max. Total Inflow (10-year) (cfs)	Surcharging (10-year)	Max. HGL (100-year) (feet)	Max. Lateral Inflow (100-year) (cfs)	Max. Total Inflow (100-year) (cfs)	Surcharging (100-year)
ST-STR-1365	Inlet	455.84	462.968	7.128	456.52	1.11	1.11	No	457.15	2.98	2.98	NO	468.01	0.167	4.91	Yes
ST-STR-1366	Inlet	451.63	459.761	8.131	456.15	1.73	1.73	No	457.05	0.87	1.98	NO	460.87	0.04	1.38	Yes
ST-STR-1367	Inlet	446.59	454.724	8.134	451.75	0.53	0.53	No	451.14	3.77	4.74	NO	456.49	0.19	7.76	Yes
ST-STR-1368	Inlet	447.52	455.647	8.127	446.92	2.24	2.85	No	451.12	1.05	1.37	NO	456.44	0.054	1.69	Yes
ST-STR-1369	Inlet	445.15	454.279	9.129	447.72	0.62	0.62	No	451.04	1.5	1.5	NO	456.18	0.134	2.96	Yes
ST-STR-137	Inlet	433.086	436.086	3	445.3	0.7	0.7	No	436.58	3.37	38.29	YES	436.76	0.209	65.58	Yes
ST-STR-1370	Cleanout	455.02	463.149	8.129	436.44	1.89	22.33	Yes	457.17	0	4.87	NO	467.72	0	8.03	Yes
ST-STR-1371	Cleanout	454.84	462.956	8.116	455.42	0	2.83	No	461.92	0	8	NO	464.65	0	13.71	Yes
ST-STR-1372	Inlet	451.2	461.323	10.123	455.23	0	4.4	No	460.11	2.26	2.26	NO	462.25	0.106	3.57	Yes
ST-STR-1373	Cleanout	448.145	461.115	12.97	452.92	1.37	1.37	No	459.72	0	14.9	NO	461.9	0	16.38	Yes
ST-STR-1374	Cleanout	442.295	454.852	12.557	452.54	0	13.25	No	451.03	0	27.31	NO	456.12	0	37.81	Yes
ST-STR-1375	Cleanout	426.48	434.608	8.128	445.15	0	22.65	No	434.94	0	20.46	YES	435.62	0	22.19	Yes
ST-STR-1376	Connector	450.383	463.009	12.626	434.38	0	20.24	No	461.84	0	11.4	NO	463.72	0	11.35	Yes
ST-STR-1377	Cleanout	453.29	461.411	8.121	454.87	0	10.57	No	459.8	0	1.95	NO	462.01	0	2.82	Yes
ST-STR-1378	Cleanout	448.479	461.429	12.95	453.48	0	0.99	No	460.1	0	14.93	NO	462.19	0	15.83	Yes
ST-STR-1379	Cleanout	445.945	459.331	13.386	452.92	0	12.99	No	456.93	0	19.42	NO	460.3	0	23.55	Yes
ST-STR-138	Headwall	407.161	407.716	0	449.94	0	15.69	No	407.21	0	3.35	NO	407.23	0	5.63	No
ST-STR-1380	Inlet	447.26	455.389	8.129	407.19	0	1.86	No	451.11	8.26	8.26	NO	456.58	0.44	13.45	Yes
ST-STR-1381	Connector	454.914	458.048	3.134	447.6	4.87	4.87	No	454.91	0	0	NO	454.91	0	0	No
ST-STR-1382	Connector	452.05	455.67	3.62	454.91	0	0	No	452.05	0	0	NO	452.05	0	0	No
ST-STR-1383	Connector	450.87	452.906	2.036	452.05	0	0	No	450.87	0	0	NO	450.87	0	0	No
ST-STR-1384	Connector	446.342	449.962	3.62	450.87	0	0	No	446.34	0	0	NO	446.34	0	0	No
ST-STR-1385	Connector	443.954	447.574	3.62	446.34	0	0	No	443.95	0	0	NO	443.95	0	0	No
ST-STR-1386	Connector	440.498	444.118	3.62	443.95	0	0	No	440.5	0	0	NO	440.5	0	0	No
ST-STR-1387	Connector	437.81	441.43	3.62	440.5	0	0	No	437.81	0	0	NO	437.81	0	0	No
ST-STR-1388	Connector	434.691	438.311	3.62	437.81	0	0	No	434.69	0	0	NO	434.69	0	0	No
ST-STR-1389	Connector	433.39	437.01	3.62	434.69	0	0	No	433.39	0	0	NO	433.39	0	0	No
ST-STR-139	Headwall	455.323	455.323	0	433.39	0	0	No	457.48	0	4.51	YES	457.5	0	6.32	Yes
ST-STR-1390	Connector	424.885	427.015	2.13	457.47	0	2.7	Yes	425.19	0	2.15	NO	425.29	0	3.9	No
ST-STR-1391	Connector	425.515	427.657	2.142	425.1	0	1.05	No	426.05	0	2.16	NO	426.21	0	3.94	No
ST-STR-1392	Connector	448.899	460.179	11.28	425.9	0	1.06	No	457.08	0	6.34	NO	460.9	0	9.5	Yes
ST-STR-1393	Connector	399.535	405.165	5.63	449.96	0	3.32	No	399.94	0	7.89	NO	400.08	0	13.63	No
ST-STR-1394	Inlet	423.75	430.339	6.589	399.83	0	4.25	No	423.92	0.48	0.48	NO	423.96	0.024	0.76	No
ST-STR-1395	Inlet	423.5	427.792	4.292	423.89	0.3	0.3	No	425.99	2.54	22	NO	431.39	0.108	42.62	Yes
ST-STR-1396	Connector	458.121	460.241	2.12	425.66	1.53	20.21	No	458.12	0	0	NO	458.12	0	0	No
ST-STR-1397	Connector	423.004	425.134	2.13	458.12	0	0	No	423.2	0	0.89	NO	423.25	0	1.39	No
ST-STR-1398	Headwall	372.025	372.025	0	423.17	0	0.57	No	375.39	5.77	33.91	YES	377.56	0.326	50.24	Yes
ST-STR-1399	Headwall	392.179	392.179	0	374.64	2.17	25.61	Yes	395.03	5.84	33.98	YES	397.07	0.485	55.88	Yes
ST-STR-14	Cleanout	422.52	433.735	11.215	394.49	1.78	24.59	Yes	425.94	0	203.71	NO	426.72	0	272.5	No
ST-STR-140	Connector	0	0	0	424.84	0	103.69	No	0	0	0	NO	0	0	0	No
ST-STR-1400	Headwall	378.247	378.247	0	0	0	0	No	378.91	0	30.17	YES	379.06	0	52.63	Yes
ST-STR-1401	Connector	373.582	373.582	0	378.85	0	23.12	Yes	375.4	0	37.18	YES	377.56	0	57.85	Yes
ST-STR-1402	Connector	376.559	376.559	0	374.66	0	25.91	Yes	377.07	0	36.79	YES	377.57	0	57.67	Yes
ST-STR-1403	Headwall	456.759	456.759	0	377	0	25.82	Yes	463.3	2.27	2.27	YES	465.3	0.278	5.35	Yes
ST-STR-1404	Inlet	428.767	430.887	2.12	457.78	0.7	0.7	Yes	429.04	2.44	2.44	NO	429.19	0.463	6.14	No
ST-STR-1405	Inlet	379.51	381.626	2.116	428.92	0.72	0.72	No	379.86	2.41	4.44	NO	380.04	0.152	10.5	No
ST-STR-1406	Inlet	345.55	347.674	2.124	379.71	0.78	1.36	No	346.13	2.88	9.62	NO	346.48	0.277	23.67	No

Proposed Condition Junctions Results Summary Table

	Dimensions				2-year				10-year				100-year			
Facility ID	Type	Invert Elevation (feet)	Rim Elevation (feet)	Depth (feet)	Max. HGL (2-year) (feet)	Max. Lateral Inflow (2-year) (cfs)	Max. Total Inflow (2-year) (cfs)	Surcharging (2-year)	Max. HGL (10-year) (feet)	Max. Lateral Inflow (10-year) (cfs)	Max. Total Inflow (10-year) (cfs)	Surcharging (10-year)	Max. HGL (100-year) (feet)	Max. Lateral Inflow (100-year) (cfs)	Max. Total Inflow (100-year) (cfs)	Surcharging (100-year)
ST-STR-1407	Inlet	322.304	322.304	0	345.87	0.9	2.8	No	322.46	0.15	9.67	YES	322.55	0.004	23.78	Yes
ST-STR-1408	Inlet	425.492	427.612	2.12	322.39	0.09	2.81	Yes	425.78	2.37	2.37	NO	425.94	0.494	5.99	No
ST-STR-1409	Inlet	390.33	392.453	2.123	425.65	0.7	0.7	No	390.71	2.84	5.21	NO	390.93	0.689	13.29	No
ST-STR-141	Headwall	436.1	436.1	0	390.54	0.82	1.51	No	439.44	0	6.14	YES	439.45	0	7.22	Yes
ST-STR-1410	Inlet	337.828	337.828	0	439.43	0	3.72	Yes	337.96	0.46	6.18	YES	338.04	0.014	14.21	Yes
ST-STR-1411	Inlet	436.348	438.478	2.13	337.9	0.24	2.01	Yes	436.5	0.63	0.63	NO	436.57	0.083	1.46	No
ST-STR-1412	Inlet	402.12	404.423	2.303	436.43	0.19	0.19	No	402.37	1.34	2.11	NO	402.49	0.129	4.69	No
ST-STR-1413	Inlet	379.62	381.752	2.132	402.26	0.42	0.65	No	379.95	0.96	4.14	NO	380.09	0.082	8.99	No
ST-STR-1414	Inlet	340.225	340.225	0	379.81	0.3	1.29	No	340.46	0.76	4.03	YES	340.54	0.026	8.19	Yes
ST-STR-1415	Inlet	367.81	369.935	2.125	340.38	0.35	1.32	Yes	368.27	3.02	8.44	NO	368.5	0.316	21.2	No
ST-STR-1416	Inlet	390.532	390.532	0	368.08	0.93	2.53	No	390.53	0	0	NO	390.53	0	0	No
ST-STR-1417	Inlet	351.842	351.842	0	390.53	0	0	No	351.84	0	0	NO	351.84	0	0	No
ST-STR-1418	Other	395.139	395.139	0	351.84	0	0	No	395.14	0	0	YES	395.14	0	0	Yes
ST-STR-1419	Headwall	411.318	411.318	0	395.14	0	0	Yes	411.32	0	0	YES	411.32	0	0	Yes
ST-STR-142	Headwall	426.066	426.066	0	411.32	0	0	Yes	427.17	0	27.5	YES	427.33	0	46.26	Yes
ST-STR-1420	Headwall	420.914	420.914	0	427.02	0	15.3	Yes	421.07	0.19	0.19	YES	421.11	0.008	0.33	Yes
ST-STR-1421	Headwall	426.15	426.15	0	421.02	0.07	0.07	Yes	426.44	1.08	1.08	YES	426.53	0.098	2.34	Yes
ST-STR-1422	Inlet	440	447.678	7.678	426.33	0.34	0.34	Yes	440.82	6.29	14.44	NO	441.16	0.372	24.29	No
ST-STR-1423	Connector	392.52	402.84	10.32	440.6	3.57	8.16	No	400.04	2.11	61.42	NO	399.95	0.091	106.2	No
ST-STR-1424	Inlet	451.59	459.716	8.126	394.03	1.34	33.78	No	452.42	6.22	6.22	NO	452.83	0.372	10.53	No
ST-STR-1425	Inlet	393.589	401.935	8.346	452.19	3.48	3.48	No	408.92	19.66	59.3	YES	410.33	1.58	102.9	Yes
ST-STR-1426	Inlet	391.75	402.436	10.686	395.07	11.11	32.66	No	394.27	5.49	71.03	NO	395.21	0.334	121.32	No
ST-STR-1427	Inlet	451.26	459.386	8.126	393.51	3.23	39.22	No	451.89	2.07	8.28	NO	452.12	0.132	13.95	No
ST-STR-1428	Inlet	395.14	402.376	7.236	451.73	1.2	4.67	No	419.99	26.91	39.8	YES	424.54	2.15	68.27	Yes
ST-STR-1429	Inlet	396.124	401.754	5.63	396.27	15.38	22.52	No	396.12	0	0	NO	396.12	0	0	No
ST-STR-143	Connector	0	0	0	396.12	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-1430	Discharge	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-1431	Connector	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-1432	Inlet	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-1433	Headwall	465.982	465.982	0	0	0	0	No	466.95	0	1.61	YES	466.96	0	2.59	Yes
ST-STR-1434	Inlet	411.082	420.582	9.5	466.94	0	0.97	Yes	417.58	11.15	25.07	NO	421.66	0.616	27.13	Yes
ST-STR-1435	Headwall	378.15	378.15	0	412.01	6.71	18.55	No	378.36	0	27.07	YES	378.42	0	41.83	Yes
ST-STR-1436	Headwall	440.799	440.799	0	378.33	0	20.99	Yes	440.8	0	0	YES	440.8	0	0	Yes
ST-STR-1437	Connector	0	0	0	440.8	0	0	Yes	0	0	0	NO	0	0	0	No
ST-STR-1438	Connector	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-1439	Headwall	378.836	378.836	0	0	0	0	No	378.84	0	0	YES	378.84	0	0	Yes
ST-STR-144	Headwall	447.833	447.833	0	378.84	0	0	Yes	449.44	0	4.92	YES	449.45	0	5.54	Yes
ST-STR-1440	Headwall	342.941	343.503	0	449.4	0	3.28	Yes	342.94	0	0	NO	342.94	0	0	No
ST-STR-1441	Inlet	292.767	298.545	5.778	342.94	0	0	No	294.17	6.57	6.57	NO	298.94	0.365	10.75	Yes
ST-STR-1442	Inlet	297.747	303.535	5.788	293.66	3.81	3.81	No	298.54	37.09	37.09	NO	300.74	2.27	62.26	No
ST-STR-1443	Inlet	299.747	305.53	5.783	298.34	21.41	21.41	No	300.07	2.16	2.16	NO	300.15	0.102	3.48	No
ST-STR-1444	Inlet	294.587	300.365	5.778	299.99	1.25	1.25	No	295.23	0.19	15.33	NO	297.21	0.007	26.04	No
ST-STR-1445	Inlet	298.607	304.387	5.78	295.07	0.12	8.94	No	299.16	13	15.15	NO	299.34	0.746	25.77	No
ST-STR-1446	Inlet	292.467	295.249	2.782	299.03	7.6	8.84	No	292.88	2.78	2.91	NO	295.98	0.126	37.05	Yes
ST-STR-1447	Cleanout	290.937	297.656	6.719	292.79	1.64	1.69	No	292.71	0	61.94	NO	296.64	0	94.48	No
ST-STR-1448	Inlet	277.806	281.806	4	292.18	0	35.9	No	280.56	5.82	66.83	NO	281.37	0.282	94.07	No
ST-STR-1449	Inlet	292.407	298.19	5.783	279.78	3.63	38.92	No	294.14	0.11	43.7	NO	299.01	0.004	69.88	Yes

Proposed Condition Junctions Results Summary Table

	Dimensions				2-year				10-year				100-year			
Facility ID	Type	Invert Elevation (feet)	Rim Elevation (feet)	Depth (feet)	Max. HGL (2-year) (feet)	Max. Lateral Inflow (2-year) (cfs)	Max. Total Inflow (2-year) (cfs)	Surcharging (2-year)	Max. HGL (10-year) (feet)	Max. Lateral Inflow (10-year) (cfs)	Max. Total Inflow (10-year) (cfs)	Surcharging (10-year)	Max. HGL (100-year) (feet)	Max. Lateral Inflow (100-year) (cfs)	Max. Total Inflow (100-year) (cfs)	Surcharging (100-year)
ST-STR-145	Headwall	443.669	443.669	0	293.62	0.07	25.25	No	444.29	0	14.15	YES	444.37	0	22.82	Yes
ST-STR-1450	Inlet	431.82	439.226	7.406	444.22	0	7.82	Yes	432.33	1.52	6.01	NO	432.47	0.079	9.69	No
ST-STR-1451	Connector	336.08	357.698	21.618	432.21	0.94	3.57	No	337.34	0	49.1	NO	337.69	0	74.27	No
ST-STR-1452	Inlet	348.62	355.955	7.335	337.07	0	31.24	No	349.28	4.46	35.66	NO	349.48	0.28	55.45	No
ST-STR-1453	Inlet	412.22	420.404	8.184	349.13	2.53	22.14	No	412.55	0.96	0.96	NO	412.65	0.044	1.53	No
ST-STR-1454	Outlet	407.928	407.928	0	412.47	0.6	0.6	No	408	0	5.98	YES	408.02	0	9.64	Yes
ST-STR-1455	Headwall	342.317	342.317	0	407.98	0	3.55	Yes	344.87	0.71	23.19	YES	345.22	0.03	27.8	Yes
ST-STR-1456	Headwall	360.341	360.341	0	344.35	0.46	17.2	Yes	362.48	0.75	21.41	YES	362.49	0.031	39.99	Yes
ST-STR-1457	Headwall	374.544	374.544	0	361.62	0.46	6.19	Yes	377.36	19.67	23.35	YES	378.82	1.19	39.52	Yes
ST-STR-1458	Inlet	432.82	440.412	7.592	376.41	11.32	13.12	Yes	433.27	4.51	4.51	NO	433.39	0.221	7.27	No
ST-STR-1459	Headwall	387.525	387.525	0	433.16	2.64	2.64	No	389.06	12.99	14.77	YES	389.81	0.935	25.94	Yes
ST-STR-146	Headwall	0	0	0	388.62	7.59	8.65	Yes	0	0	0	NO	0	0	0	No
ST-STR-1460	Inlet	411.92	418.789	6.869	0	0	0	No	412.35	1.18	2.13	NO	412.46	0.06	3.44	No
ST-STR-1461	Headwall	383.685	383.685	0	412.26	0.72	1.32	No	383.79	0	6.46	YES	383.81	0	10.18	Yes
ST-STR-1462	Outlet	373.477	373.477	0	383.77	0	4.01	Yes	373.67	0	15.48	YES	373.7	0	21.28	Yes
ST-STR-1463	Outlet	355.51	355.51	0	373.65	0	10.03	Yes	356.7	0	11.91	YES	359.66	0	32.7	Yes
ST-STR-1464	Outlet	406.459	406.459	0	355.75	0	5.85	Yes	406.49	0	2.11	YES	406.51	0	3.41	Yes
ST-STR-1465	Connector	337.12	357.484	20.364	406.48	0	1.3	Yes	338.24	0	49.03	NO	338.57	0	74.27	No
ST-STR-1466	Inlet	350.45	356.52	6.07	337.99	0	31.22	No	353.45	31.33	31.33	NO	356.78	1.33	49.25	Yes
ST-STR-1467	Outlet	345.995	345.995	0	351.54	19.6	19.6	No	346.59	0	23.12	YES	346.63	0	27.68	Yes
ST-STR-1468	Headwall	365.027	365.027	0	346.52	0	17.16	Yes	367.16	14.4	18.33	YES	367.78	0.585	29.59	Yes
ST-STR-1469	Outlet	360.448	360.448	0	366.53	8.94	11.19	Yes	362.47	0	21.95	YES	362.5	0	23.31	Yes
ST-STR-1470	Headwall	354.155	354.155	0	361.62	0	6.25	Yes	357.91	26.72	38.26	YES	360.6	1.33	59.88	Yes
ST-STR-1471	Outlet	353.954	353.954	0	356.67	15.53	22.24	Yes	357.36	0	21.26	YES	359.99	0	20.16	Yes
ST-STR-1472	Headwall	350.949	350.949	0	354.46	0	10.89	Yes	357.36	2.25	21.57	YES	359.99	0.093	20.99	Yes
ST-STR-1473	Outlet	350.105	350.105	0	354.15	1.48	11.13	Yes	356.7	0	38.68	YES	359.65	0	62.61	Yes
ST-STR-1474	Headwall	348.91	348.91	0	353.64	0	13.07	Yes	356.7	12.58	24.2	YES	359.65	0.503	30.46	Yes
ST-STR-1475	Connector	388.104	390.234	2.13	353.63	7.81	17.27	Yes	388.33	0	5.7	NO	388.39	0	9.27	No
ST-STR-1476	Connector	349.134	349.134	0	388.29	0	3.34	No	356.7	0	49.51	YES	359.65	0	73.28	Yes
ST-STR-1477	Headwall	348.967	348.967	0	353.63	0	17.73	Yes	350.43	0	78.06	YES	351.9	0	195.9	Yes
ST-STR-1478	Inlet	372.14	378.539	6.399	349.47	0	32.44	Yes	373.28	4.14	29.27	NO	379.38	0.328	46.71	Yes
ST-STR-1479	Inlet	373.61	378.66	5.05	372.92	2.32	16.24	No	375.36	25.13	25.13	NO	379.58	1.86	44.43	Yes
ST-STR-1480	Cleanout	412.19	426.462	14.272	374.48	13.9	13.9	No	413.4	0	24.86	NO	417.32	0	43.81	No
ST-STR-1481	Inlet	414.5	421.106	6.606	413.05	0	13.85	No	416.04	24.86	24.86	NO	423.6	1.87	43.81	Yes
ST-STR-1482	Headwall	408.751	408.751	0	415.54	13.82	13.82	No	408.83	0	24.83	YES	408.86	0	43.81	Yes
ST-STR-1483	Inlet	336.02	341.742	5.722	408.81	0	13.85	Yes	336.15	0.42	0.42	NO	336.18	0.019	0.66	No
ST-STR-1484	Headwall	309.391	309.391	0	336.12	0.25	0.25	No	309.4	0	0.41	YES	309.4	0	0.66	Yes
ST-STR-1485	Outlet	329.402	329.402	0	309.4	0	0.25	Yes	329.96	0	49.18	YES	330.99	0	124.72	Yes
ST-STR-1486	Connector	380.182	380.182	0	329.82	0	31.3	Yes	380.7	0	124.98	YES	380.7	0	124.98	Yes
ST-STR-1487	Connector	303.185	303.185	0	380.7	0	124.98	Yes	312.19	0	778.06	YES	313.03	0	1081.58	Yes
ST-STR-1488	Connector	0	0	0	311.51	0	514.92	Yes	0	0	0	NO	0	0	0	No
ST-STR-1489	Connector	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-149	Headwall	439.754	442.524	0.524	0	0	0	No	442.39	0	16.81	NO	442.48	0	37.59	No
ST-STR-1492	Connector	399.04	405.421	6.381	442.31	0	8.6	No	404.13	0	110.25	NO	404.95	0	112.74	No
ST-STR-1493	Connector	0	0	0	402.23	0	92.62	No	0	0	0	NO	0	0	0	No
ST-STR-1494	Connector	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-1495	Outlet	288.832	288.98	0	0	0	0	No	288.9	6.55	6.55	NO	288.93	0.42	11.03	No

Proposed Condition Junctions Results Summary Table

	Dimensions				2-year				10-year				100-year			
Facility ID	Type	Invert Elevation (feet)	Rim Elevation (feet)	Depth (feet)	Max. HGL (2-year) (feet)	Max. Lateral Inflow (2-year) (cfs)	Max. Total Inflow (2-year) (cfs)	Surcharging (2-year)	Max. HGL (10-year) (feet)	Max. Lateral Inflow (10-year) (cfs)	Max. Total Inflow (10-year) (cfs)	Surcharging (10-year)	Max. HGL (100-year) (feet)	Max. Lateral Inflow (100-year) (cfs)	Max. Total Inflow (100-year) (cfs)	Surcharging (100-year)
ST-STR-1496	Outlet	284.72	287.162	0	288.88	3.81	3.81	No	284.72	0	0	NO	284.72	0	0	No
ST-STR-1497	Outlet	290.031	290.3	0	284.72	0	0	No	290.06	2.99	2.99	NO	290.07	0.181	4.99	No
ST-STR-1498	Inlet	284.023	289.023	5	290.05	1.69	1.69	No	284.02	0	0	NO	284.02	0	0	No
ST-STR-1499	Inlet	286.259	291.259	5	284.02	0	0	No	286.26	0	0	NO	286.26	0	0	No
ST-STR-15	Headwall	390.636	390.636	0	286.26	0	0	No	390.64	0	0	YES	390.64	0	0	Yes
ST-STR-150	Headwall	456.901	456.901	0	390.64	0	0	Yes	456.95	0	4.62	YES	456.95	0	4.67	Yes
ST-STR-1500	Connector	407.805	412.805	5	456.95	0	4.58	Yes	409.51	0	31.1	NO	424.12	0	38.04	Yes
ST-STR-1501	Headwall	432.83	434.83	2	408.74	0	17.81	No	432.89	0	8.77	NO	432.91	0	14.86	No
ST-STR-1502	Headwall	432	439.133	7.133	432.87	0	5.07	No	432	0	0	NO	432	0	0	No
ST-STR-1503	Connector	427.5	438.767	11.267	432	0	0	No	428.28	0	7.69	NO	428.51	0	12.66	No
ST-STR-1504	Inlet	444.596	450.096	5.5	428.1	0	4.53	No	446.69	51.89	53.83	NO	477.68	3.62	94.98	Yes
ST-STR-1505	Inlet	279.406	284.406	5	445.67	28.54	29.58	No	279.41	0	0	NO	279.41	0	0	No
ST-STR-1507	Cleanout	278.841	289.841	11	279.41	0	0	No	278.84	0	0	NO	278.84	0	0	No
ST-STR-1508	Cleanout	277.337	288.337	11	278.84	0	0	No	277.34	0	0	NO	277.34	0	0	No
ST-STR-1509	Cleanout	276.159	281.159	5	277.34	0	0	No	276.35	0	0.96	NO	276.4	0	1.6	No
ST-STR-151	Headwall	396.068	396.068	0	276.3	0	0.54	No	398.6	29.15	37.26	YES	399.78	1.71	72.63	Yes
ST-STR-1510	Cleanout	272.269	277.269	5	397.83	15.9	20.75	Yes	274.64	0	5.16	NO	276.28	0	17.71	No
ST-STR-1512	Inlet	279.665	284.665	5	274.23	0	6.17	No	279.85	0	0.96	NO	279.91	0	1.61	No
ST-STR-1513	Inlet	282.607	287.607	5	279.81	0	0.54	No	282.61	0	0	NO	282.61	0	0	No
ST-STR-1514	Inlet	273.809	278.309	4.5	282.61	0	0	No	274.55	0	1.76	NO	278.9	0	27.93	Yes
ST-STR-1515	Inlet	285	287	2	274.06	0	0.61	No	285.81	0	7.61	NO	286.09	0	12.87	No
ST-STR-1516	Cleanout	284.5	288.1	3.6	285.6	0	4.34	No	285.31	0	7.61	NO	285.6	0	12.88	No
ST-STR-1517	Cleanout	283.96	288.96	5	285.1	0	4.34	No	284.59	0	7.61	NO	285.05	0	12.87	No
ST-STR-1518	Cleanout	282.5	288.17	5.67	284.43	0	4.33	No	283.97	6.8	14.12	NO	284.84	0.375	24.65	No
ST-STR-1519	Inlet	<Null>	<Null>	<Null>	283.54	3.78	7.94	No	<Null>	<Null>	<Null>	#VALUE!	<Null>	<Null>	<Null>	#VALUE!
ST-STR-152	Connector	429.307	429.307	0	<Null>	<Null>	<Null>	Yes	429.39	0	0.35	YES	429.41	0	0.56	Yes
ST-STR-1520	Outlet	335.956	335.956	0	429.37	0	0.21	Yes	335.96	0	0	YES	335.96	0	0	Yes
ST-STR-1521	Inlet	302.981	307.481	4.5	335.96	0	0	Yes	302.98	0	0	NO	302.98	0	0	No
ST-STR-1522	Inlet	300.132	309.632	9.5	302.98	0	0	No	300.13	0	0	NO	300.13	0	0	No
ST-STR-1523	Cleanout	297.613	302.613	5	300.13	0	0	No	297.61	0	0	NO	297.61	0	0	No
ST-STR-1524	Cleanout	289.103	294.103	5	297.61	0	0	No	289.1	0	0	NO	289.1	0	0	No
ST-STR-1525	Outlet	307.266	307.392	0	289.1	0	0	No	307.27	0	0	NO	307.27	0	0	No
ST-STR-1526	Headwall	283.742	283.742	0	307.27	0	0	No	283.74	0	0	NO	284.83	0	18.29	Yes
ST-STR-1527	Headwall	279.146	282.113	0	283.74	0	0	No	280.18	0	98.23	NO	281.71	0	194.45	No
ST-STR-1528	Cleanout/Manhole	<Null>	341.7	<Null>	279.96	0	76.7	No	<Null>	<Null>	<Null>	#VALUE!	<Null>	<Null>	<Null>	#VALUE!
ST-STR-1529	Inlet	308.57	314.57	6	<Null>	<Null>	<Null>	Yes	309.85	0	19.78	NO	310.26	0	33.5	No
ST-STR-153	Headwall	443.961	443.961	0	309.48	0	10.29	No	444.14	0	8.75	YES	444.2	0	14.47	Yes
ST-STR-154	Headwall	423.859	423.859	0	444.09	0	4.87	Yes	423.9	0	2.82	YES	423.92	0	4.68	Yes
ST-STR-155	Headwall	422.08	422.08	0	423.89	0	1.58	Yes	422.46	0	37.26	YES	422.51	0	48.79	Yes
ST-STR-156	Headwall	408.713	417.122	8.409	422.35	0	21	Yes	412.3	0	61.71	NO	413.65	0	96.69	No
ST-STR-157	Connector	329.574	330.639	0	411.13	0	33.6	No	333.82	0	278.55	YES	335.13	0	321.34	Yes
ST-STR-158	Headwall	338	340.918	2.918	333.57	0	161.4	Yes	339.71	0	60.33	NO	339.99	0	104.13	No
ST-STR-159	Headwall	391.511	396.011	4.5	339.46	0	33.3	No	392.13	0	4.51	NO	392.35	0	7.48	No
ST-STR-16	Headwall	399.374	399.374	0	391.97	0	2.54	No	399.37	0	0	NO	399.37	0	0	No
ST-STR-160	Headwall	395.187	399.187	4	399.37	0	0	No	396.06	0	76.13	NO	396.33	0	118.13	No
ST-STR-161	Headwall	382.863	385.863	3	395.77	0	40.47	No	387.46	0	80.54	YES	387.64	0	126.8	Yes
ST-STR-162	Connector	0	0	0	387.26	0	42.74	Yes	0	0	0	NO	0	0	0	No

Proposed Condition Junctions Results Summary Table

	Dimensions				2-year				10-year				100-year			
Facility ID	Type	Invert Elevation (feet)	Rim Elevation (feet)	Depth (feet)	Max. HGL (2-year) (feet)	Max. Lateral Inflow (2-year) (cfs)	Max. Total Inflow (2-year) (cfs)	Surcharging (2-year)	Max. HGL (10-year) (feet)	Max. Lateral Inflow (10-year) (cfs)	Max. Total Inflow (10-year) (cfs)	Surcharging (10-year)	Max. HGL (100-year) (feet)	Max. Lateral Inflow (100-year) (cfs)	Max. Total Inflow (100-year) (cfs)	Surcharging (100-year)
ST-STR-163	Outlet	402.294	402.294	0	0	0	0	No	402.34	0	1.06	YES	402.35	0	1.7	Yes
ST-STR-164	Headwall	376	378.889	2.889	402.33	0	0.64	Yes	379.99	0	339.53	YES	380.68	0	494.96	Yes
ST-STR-165	Headwall	374.214	375.214	1	379.12	0	194.65	Yes	377.57	0	77.44	YES	378.12	0	120.07	Yes
ST-STR-166	Headwall	370.868	370.892	0	376.45	0	3.27	Yes	375.64	0	399.03	YES	376.26	0	512.25	Yes
ST-STR-167	Headwall	367.076	367.076	0	374.6	0	221.45	Yes	372.24	0	464.01	YES	372.79	0	518.43	Yes
ST-STR-168	Headwall	358.082	358.082	0	371.12	0	285.64	Yes	363.39	0	440.04	YES	364.16	0	572.28	Yes
ST-STR-169	Headwall	391.492	394.492	3	361.92	0	285.15	Yes	393.34	0	10.24	NO	393.51	0	7.96	No
ST-STR-170	Inlet	386	390.022	4.022	392.94	0	3.05	No	393.69	0	87.02	YES	395.57	0	140.76	Yes
ST-STR-171	Headwall	428.66	432.66	4	389.54	0	44.26	No	428.66	0	0	NO	428.66	0	0	No
ST-STR-172	Connector	431.296	431.296	0	428.66	0	0	No	431.34	0	1.93	YES	431.37	0	4.07	Yes
ST-STR-173	Headwall	419.927	419.927	0	431.33	0	1.11	Yes	421.04	0	41.47	YES	421.36	0	75.14	Yes
ST-STR-174	Headwall	0	0	0	420.77	0	21.18	Yes	0	0	0	NO	0	0	0	No
ST-STR-175	Headwall	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-176	Headwall	373.791	373.791	0	0	0	0	No	378.39	0	234.2	YES	378.8	0	288.83	Yes
ST-STR-177	Headwall	373.41	373.41	0	377.49	0	147.12	Yes	378.39	0	15.53	YES	378.81	0	63.77	Yes
ST-STR-178	Headwall	343.804	343.804	0	377.5	0	7.74	Yes	350.07	15.4	471.73	YES	350.12	1.04	673.04	Yes
ST-STR-180	Headwall	364.917	364.917	0	349.27	9.05	265.31	Yes	365.31	0	5.23	YES	365.39	0	8.48	Yes
ST-STR-181	Headwall	334.377	339.877	5.5	365.24	0	3.18	Yes	339.37	0	898.32	NO	340.95	0	1231.74	Yes
ST-STR-182	Headwall	335.843	335.843	0	338.1	0	570.16	No	342.06	6.52	489.22	YES	342.45	0.321	799.05	Yes
ST-STR-185	Headwall	0	0	0	341.45	3.88	318.64	Yes	0	0	0	NO	0	0	0	No
ST-STR-187	Headwall	314.352	314.352	0	0	0	0	No	314.83	0	15.82	YES	315.22	0	35.94	Yes
ST-STR-188	Connector	422.077	433.577	11.5	314.74	0	11.81	Yes	424.86	0	201.71	NO	425.39	0	272.3	No
ST-STR-189	Connector	444.1	451.752	7.652	423.94	0	103.3	No	444.82	0	5.52	NO	445.08	0	8.34	No
ST-STR-19	Headwall	377.895	378.238	0	444.61	0	3.14	No	377.91	0	1.53	NO	377.92	0	2.51	No
ST-STR-190	Connector	383.758	388.008	4.25	377.91	0	0.92	No	383.96	0	0.43	NO	384	0	0.67	No
ST-STR-191	Cleanout	401.88	407.88	6	383.91	0	0.26	No	405.12	0	165.45	NO	405.79	0	185.24	No
ST-STR-192	Connector	396.2	400.698	4.498	404.44	0	119.53	No	398.8	0	201.6	NO	400.02	0	237.07	No
ST-STR-193	Connector	436.531	441.031	4.5	398.08	0	142.84	No	439.81	0	70.52	NO	440.01	0	97.93	No
ST-STR-194	Connector	441.489	446.989	5.5	439.59	0	39.37	No	441.49	0	0	NO	441.49	0	0	No
ST-STR-195	Inlet	392.364	397.864	5.5	441.49	0	0	No	393.6	21.96	28.46	NO	394.06	1.07	47.06	No
ST-STR-196	Inlet	347.449	356.449	9	393.29	13.23	16.92	No	350.76	2.65	274.59	NO	351.15	0.212	357.09	No
ST-STR-197	Inlet	329.52	334.52	5	349.4	1.57	119.4	No	336.37	12.63	421.85	YES	337.24	0.786	568.54	Yes
ST-STR-198	Inlet	381.627	386.127	4.5	333.49	7.24	227.72	No	382.88	2.48	22.54	NO	386.6	0.117	36.92	Yes
ST-STR-199	Inlet	380.896	385.896	5	382.48	1.37	12.57	No	382.39	0.28	37.52	NO	386.2	0.012	56.09	Yes
ST-STR-1B-R	Inlet	452.01	459.236	7.226	381.95	0.18	21	No	457.78	0	155.15	NO	459.69	0	194.04	Yes
ST-STR-1-R	Connector	280.66	280.66	0	453.9	0	104.34	No	283.48	0	1092.99	YES	284.88	0	1676.31	Yes
ST-STR-2	Connector	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-20	Headwall	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-200	Inlet	424.5	428.38	3.88	425.45	7.02	7.02	No	425.8	12.47	12.47	NO	426.67	0.95	21.85	No
ST-STR-201	Inlet	450.764	455.264	4.5	451.46	1.18	5.65	No	451.78	2.09	10.23	NO	455	0.123	17.36	No
ST-STR-202	Inlet	451.855	456.355	4.5	452.41	4.48	4.48	No	452.65	8.14	8.14	NO	455.67	0.546	14.2	No
ST-STR-203	Connector	398.477	403.977	5.5	399.39	0	24.32	No	399.7	0	40.68	NO	399.98	0	57.05	No
ST-STR-204	Inlet	388.508	394.008	5.5	389.58	0.25	24.51	No	389.97	0.59	41.18	NO	390.38	0.027	57.95	No
ST-STR-205	Inlet	368.507	373.007	4.5	369.38	6.52	7.56	No	369.96	12.48	14.84	NO	373.35	0.762	26.99	Yes
ST-STR-206	Inlet	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-207	Cleanout	342.46	347.96	5.5	343.68	0	22.07	No	344.28	0	40.16	NO	347.21	0	61.71	No
ST-STR-208	Inlet	306.148	312.148	6	306.91	4.89	16.89	No	307.19	8.33	30.26	NO	307.6	0.516	52.85	No

Proposed Condition Junctions Results Summary Table

	Dimensions				2-year				10-year				100-year			
Facility ID	Type	Invert Elevation (feet)	Rim Elevation (feet)	Depth (feet)	Max. HGL (2-year) (feet)	Max. Lateral Inflow (2-year) (cfs)	Max. Total Inflow (2-year) (cfs)	Surcharging (2-year)	Max. HGL (10-year) (feet)	Max. Lateral Inflow (10-year) (cfs)	Max. Total Inflow (10-year) (cfs)	Surcharging (10-year)	Max. HGL (100-year) (feet)	Max. Lateral Inflow (100-year) (cfs)	Max. Total Inflow (100-year) (cfs)	Surcharging (100-year)
ST-STR-209	Inlet	418.758	423.258	4.5	418.94	0.41	0.41	No	418.98	0.64	0.64	NO	419.03	0.028	0.99	No
ST-STR-21	Headwall	331.454	331.454	0	334.43	0	653.14	Yes	334.96	0	884.54	YES	335.12	0	1043.4	Yes
ST-STR-210	Inlet	432.528	437.028	4.5	433.12	4.71	4.71	No	433.33	7.95	7.95	NO	434.59	0.636	13.51	No
ST-STR-211	Inlet	430.902	435.402	4.5	431.41	1.4	6.1	No	431.58	2.32	10.26	NO	433.29	0.158	16.62	No
ST-STR-212	Inlet	430.835	437.335	6.5	431.11	1.17	1.17	No	431.18	1.97	1.97	NO	431.28	0.133	3.27	No
ST-STR-213	Inlet	368.519	373.019	4.5	368.93	0.53	5.7	No	369.05	0.87	10.37	NO	369.23	0.052	18.2	No
ST-STR-214	Headwall	430.99	430.99	0	431.32	1.54	2.88	Yes	431.42	2.56	4.85	YES	431.53	0.132	8.02	Yes
ST-STR-215	Inlet	420.792	425.292	4.5	421.78	1.06	5.8	No	422.21	1.81	9.06	NO	423.75	0.101	13.85	No
ST-STR-216	Inlet	445.979	451.979	6	446.9	1.23	16.91	No	447.23	1.93	30.12	NO	447.36	0.089	36.15	No
ST-STR-217	Inlet	449.7	455.7	6	449.97	1.09	5.21	No	450.03	1.72	8.27	NO	450.11	0.08	12.96	No
ST-STR-218	Inlet	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-219	Inlet	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-22	Other	367.455	367.455	0	367.46	0	0.13	Yes	367.46	0	0.21	YES	367.46	0	0.35	Yes
ST-STR-220	Headwall	421.182	421.182	0	421.39	4.16	14.79	Yes	421.47	6.78	25.47	YES	421.55	0.277	38.81	Yes
ST-STR-221	Inlet	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-222	Inlet	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-223	Inlet	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-224	Inlet	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-225	Inlet	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-226	Inlet	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-227	Inlet	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-228	Inlet	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-229	Inlet	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-23	Headwall	440.598	441.439	0	440.82	0	3.09	No	440.91	0	5.46	NO	441.01	0	8.31	No
ST-STR-230	Inlet	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-231	Inlet	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-232	Inlet	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-233	Inlet	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-234	Inlet	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-235	Inlet	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-236	Inlet	397.026	404.026	7	397.14	1.03	1.03	No	397.17	1.65	1.65	NO	397.21	0.077	2.62	No
ST-STR-237	Inlet	398.346	402.346	4	398.64	0.78	0.78	No	398.72	1.27	1.27	NO	399.65	0.063	2.05	No
ST-STR-238	Inlet	401.57	405.57	4	401.93	2.12	2.12	No	402.04	3.46	3.46	NO	402.3	0.17	5.56	No
ST-STR-239	Inlet	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-24	Headwall	333.579	339.079	5.5	336.05	0	660.04	No	336.62	0	994.41	NO	336.85	0	1203.11	No
ST-STR-240	Inlet	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-241	Inlet	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-242	Inlet	403.07	407.07	4	403.25	0.67	0.67	No	403.3	1.07	1.07	NO	403.36	0.048	1.69	No
ST-STR-243	Inlet	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-244	Inlet	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-245	Inlet	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-246	Inlet	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-247	Inlet	333.774	337.274	3.5	336.34	0.26	3.63	No	336.94	0.41	18.31	NO	337.16	0.02	88.19	No
ST-STR-248	Headwall	430.004	430.004	0	491.71	15.86	15.86	Yes	530.5	27.96	27.96	YES	530.5	1.89	48.94	Yes
ST-STR-249	Inlet	420.838	426.838	6	421.54	8.65	8.97	No	421.75	14.39	14.9	NO	422.03	0.779	24.72	No
ST-STR-25	Headwall	400.111	401.538	0	400.16	0	2.6	No	400.17	0	4.6	NO	400.2	0	7.6	No
ST-STR-250	Inlet	445.06	450.56	5.5	446.36	13.37	13.37	No	446.94	24.26	24.26	NO	454.06	2.11	44.12	Yes

Proposed Condition Junctions Results Summary Table

	Dimensions				2-year				10-year				100-year			
Facility ID	Type	Invert Elevation (feet)	Rim Elevation (feet)	Depth (feet)	Max. HGL (2-year) (feet)	Max. Lateral Inflow (2-year) (cfs)	Max. Total Inflow (2-year) (cfs)	Surcharging (2-year)	Max. HGL (10-year) (feet)	Max. Lateral Inflow (10-year) (cfs)	Max. Total Inflow (10-year) (cfs)	Surcharging (10-year)	Max. HGL (100-year) (feet)	Max. Lateral Inflow (100-year) (cfs)	Max. Total Inflow (100-year) (cfs)	Surcharging (100-year)
ST-STR-251	Inlet	443.026	448.526	5.5	443.64	8.29	8.29	No	443.87	15.07	15.07	NO	444.18	1.04	26.44	No
ST-STR-252	Inlet	437	442.916	5.916	437.33	1.42	4.14	No	437.42	2.4	6.82	NO	437.53	0.155	11.04	No
ST-STR-253	Inlet	321.137	325.387	4.25	321.83	4.6	19.51	No	322.09	7.96	34.87	NO	322.8	0.506	61.58	No
ST-STR-254	Inlet	426.882	431.382	4.5	427.28	2.56	5.26	No	427.41	4.45	8.96	NO	427.54	0.262	13.35	No
ST-STR-255	Inlet	407.347	411.017	3.67	407.35	0	0	No	407.35	0	0	NO	407.35	0	0	No
ST-STR-256	Inlet	411.927	415.597	3.67	411.93	0	0	No	411.93	0	0	NO	411.93	0	0	No
ST-STR-26	Headwall	399.296	399.296	0	401.05	0	3.43	Yes	401.08	0	6.12	YES	401.1	0	10.39	Yes
ST-STR-260	Inlet	430.397	433.397	3	430.63	1.06	1.06	No	430.7	1.8	1.8	NO	432.08	0.119	3	No
ST-STR-261	Inlet	431.3	434.554	3.254	431.56	0.65	0.65	No	431.63	1.06	1.06	NO	432.59	0.063	1.73	No
ST-STR-262	Inlet	430.72	434.594	3.874	431.17	1.23	1.87	No	431.32	2.07	3.12	NO	432.57	0.127	4.86	No
ST-STR-263	Inlet	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-264	Inlet	379.112	383.112	4	379.45	0.92	0.92	No	379.55	1.54	1.54	NO	379.68	0.078	2.52	No
ST-STR-265	Inlet	337.71	337.71	0	339.29	26.34	45.8	Yes	339.93	46.63	83.99	YES	340.86	4.38	148.12	Yes
ST-STR-266	Inlet	446.857	451.107	4.25	447.53	3.18	3.18	No	447.84	5.62	5.62	NO	450.87	0.364	9.54	No
ST-STR-267	Inlet	360.343	388.343	28	361.2	11.14	32.24	No	361.39	19.17	47.78	NO	361.64	0.825	70.28	No
ST-STR-268	Inlet	409.786	414.286	4.5	410.16	3.45	3.45	No	410.29	6.16	6.16	NO	410.45	0.365	10.45	No
ST-STR-269	Inlet	432.412	436.912	4.5	432.63	1.81	1.81	No	432.7	3.19	3.19	NO	432.78	0.159	5.21	No
ST-STR-27	Headwall	398.477	398.477	0	398.78	0	11.87	Yes	399.01	0	24.87	YES	399.3	0	46.47	Yes
ST-STR-270	Inlet	410.045	413.045	3	413	3.48	3.48	No	413.05	6.47	6.47	YES	413.11	0.338	10.83	Yes
ST-STR-271	Inlet	440.398	444.898	4.5	440.66	2.16	2.16	No	440.73	3.6	3.6	NO	440.82	0.182	5.78	No
ST-STR-272	Inlet	433.958	436.958	3	437.41	0.57	2.72	Yes	437.45	0.9	4.48	YES	437.49	0.042	7.17	Yes
ST-STR-273	Other	387.672	387.672	0	387.82	4.84	4.84	Yes	387.85	8.33	8.33	YES	387.88	0.49	13.83	Yes
ST-STR-274	Other	449.983	449.983	0	449.98	0	0	No	449.98	0	0	NO	449.98	0	0	No
ST-STR-275	Inlet	298.493	301.993	3.5	299.08	2.87	2.87	No	300.8	4.94	61.13	NO	303.86	0.452	208.14	Yes
ST-STR-276	Inlet	298.901	302.901	4	300.94	11.37	11.37	No	304.35	20.47	98.58	YES	304.75	1.36	160.94	Yes
ST-STR-277	Inlet	298.6	302.863	4.263	300.75	1.3	24.06	No	302.27	2.19	107.31	NO	303.81	0.111	230.73	Yes
ST-STR-278	Inlet	320.989	325.489	4.5	321.31	1.57	1.57	No	321.42	2.86	2.86	NO	321.54	0.158	4.8	No
ST-STR-279	Inlet	320.264	324.764	4.5	320.51	0.84	2.41	No	320.6	1.49	4.34	NO	320.69	0.084	7.28	No
ST-STR-28	Other	369.07	369.494	0.424	372.31	0	208.33	Yes	372.7	0	308.51	YES	372.85	0	346.74	Yes
ST-STR-280	Inlet	313.437	317.937	4.5	313.68	2.85	2.85	No	313.76	5.02	5.02	NO	313.86	0.297	8.42	No
ST-STR-281	Inlet	338.278	338.278	0	338.68	5.95	6.95	Yes	338.83	9.63	13.3	YES	339.01	0.385	22.68	Yes
ST-STR-282	Headwall	330.32	330.32	0	330.6	2.55	3.81	Yes	330.77	4.59	9.89	YES	330.98	0.244	20.9	Yes
ST-STR-283	Headwall	311.124	311.124	0	311.44	2.01	3.95	Yes	311.67	3.67	12.41	YES	311.97	0.202	28.84	Yes
ST-STR-284	Connector	283.829	283.829	0	286.3	14.5	740.38	Yes	286.56	24.95	1095.03	YES	288.08	1.95	1838.98	Yes
ST-STR-285	Inlet	433.124	438.124	5	433.8	5.41	5.41	No	434.03	9.55	9.55	NO	434.39	0.79	16.6	No
ST-STR-286	Inlet	426.3	430.8	4.5	427.15	10.62	11.18	No	427.5	19	20.05	NO	428.21	0.926	32.84	No
ST-STR-287	Outlet	444.322	444.322	0	444.34	0	0.91	Yes	444.35	0	1.53	YES	444.36	0	2.44	Yes
ST-STR-288	Inlet	462.187	465.857	3.67	462.43	0.91	0.91	No	462.51	1.54	1.54	NO	462.61	0.072	2.45	No
ST-STR-289	Inlet	424.931	430.431	5.5	425.83	0	16.38	No	426.17	0	29.29	NO	426.64	0	48.91	No
ST-STR-29	Headwall	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-290	Inlet	431.617	434.617	3	432.73	2.55	5.99	No	432.73	2.55	5.99	NO	432.73	0.082	5.99	No
ST-STR-291	Inlet	432.276	434.276	2	432.97	3.46	3.46	No	432.97	3.46	3.46	NO	432.97	0.105	3.46	No
ST-STR-292	Other	458.916	458.916	0	458.92	0	0	Yes	458.92	0	0	YES	458.92	0	0	Yes
ST-STR-293	Other	470.135	470.135	0	470.13	0	0	No	470.13	0	0	NO	470.13	0	0	No
ST-STR-294	Outlet	437.849	437.849	0	437.92	0	2.14	Yes	437.95	0	3.73	YES	438	0	6.15	Yes
ST-STR-295	Inlet	449.468	453.968	4.5	449.89	2.16	2.16	No	450.02	3.76	3.76	NO	450.19	0.174	6.18	No
ST-STR-296	Other	450.537	450.537	0	450.54	0	0	Yes	450.54	0	0	YES	450.54	0	0	Yes

Proposed Condition Junctions Results Summary Table

	Dimensions				2-year				10-year				100-year			
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ST-STR-297	Other	449.513	449.513	0	449.82	5.82	5.82	Yes	449.89	10.29	10.29	YES	449.98	0.612	17.46	Yes
ST-STR-298	Inlet	396.521	400.521	4	397.84	12.83	15.66	No	398.49	22.82	29.66	NO	402.9	1.28	57.38	Yes
ST-STR-299	Inlet	437.614	442.114	4.5	437.91	2.23	2.23	No	438	4	4	NO	438.11	0.198	6.85	No
ST-STR-3	Inlet	408.85	414.841	5.991	410.47	0	45.24	No	411.06	0	77.57	NO	412.5	0	148.52	No
ST-STR-30	Headwall	298.292	298.292	0	299.02	0	84.32	Yes	299.95	0	222.26	YES	302.08	0	670.83	Yes
ST-STR-300	Inlet	427.435	430.435	3	427.8	2.21	2.21	No	427.92	3.82	3.82	NO	428.07	0.209	6.21	No
ST-STR-301	Inlet	361.942	366.442	4.5	362.63	7.36	7.36	No	362.95	12.97	12.98	NO	366.51	0.857	22.6	Yes
ST-STR-302	Inlet	358.777	363.777	5	360.07	9.59	22.43	No	360.6	16.68	39.65	NO	361.53	1.19	69.2	No
ST-STR-303	Inlet	359.051	363.551	4.5	360.12	5.1	5.1	No	360.65	8.96	8.96	NO	361.74	0.501	15.75	No
ST-STR-304	Inlet	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-305	Outlet	351.671	351.671	0	351.71	0	0.33	Yes	351.72	0	0.54	YES	351.73	0	0.77	Yes
ST-STR-306	Headwall	352.442	355.442	3	352.58	0.17	0.17	No	352.65	0.28	0.28	NO	352.7	0.01	0.43	No
ST-STR-307	Outlet	356.717	356.717	0	356.74	0	0.33	Yes	356.75	0	0.61	YES	356.76	0	0.95	Yes
ST-STR-308	Headwall	357.838	359.838	2	358.1	0.45	0.45	No	358.2	0.79	0.79	NO	358.36	0.032	1.29	No
ST-STR-309	Inlet	335.492	341.492	6	336.95	2.5	64.73	No	337.5	4.35	112.2	NO	338.28	0.225	152.14	No
ST-STR-31	Connector	293.532	293.532	0	297.17	0	722.72	Yes	297.77	0	1076.17	YES	298.98	0	1708.68	Yes
ST-STR-310	Inlet	357.021	363.021	6	358.44	6.39	63.4	No	358.96	10.68	109.87	NO	359.38	0.498	146.62	No
ST-STR-311	Inlet	324.518	329.518	5	325.99	13.88	47.34	No	326.75	24.04	79.76	NO	330.22	1.77	174.38	Yes
ST-STR-312	Outlet	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-313	Inlet	323.25	329.25	6	325.35	1.9	112.74	No	326.27	3.21	193.47	NO	329.93	0.145	308.49	Yes
ST-STR-314	Inlet	307.735	314.235	6.5	309.83	7.84	128.11	No	310.67	13.2	219.58	NO	315.21	0.601	379.72	Yes
ST-STR-315	Inlet	317.905	324.405	6.5	319.79	14.16	124.16	No	320.54	24.21	212.96	NO	325.11	2.04	345.65	Yes
ST-STR-316	Other	343.742	343.742	0	344.13	2.03	36.07	Yes	344.27	3.42	64.67	YES	344.45	0.156	112.14	Yes
ST-STR-317	Inlet	388.178	392.678	4.5	388.55	2.37	2.37	No	388.68	4.28	4.28	NO	388.85	0.255	7.29	No
ST-STR-318	Inlet	387.081	391.581	4.5	387.53	4.06	6.42	No	387.69	7.29	11.57	NO	387.91	0.577	20.21	No
ST-STR-319	Outlet	323.814	323.814	0	323.92	0	6.39	Yes	323.97	0	11.52	YES	324.02	0	20.14	Yes
ST-STR-32	Headwall	311.843	311.843	0	314.18	0	666.85	Yes	314.51	0	884.75	YES	314.8	0	1133.91	Yes
ST-STR-320	Inlet	286.491	290.991	4.5	287.52	4.17	21.26	No	288.04	7.31	38.1	NO	291.06	0.422	67	Yes
ST-STR-321	Inlet	289.44	293.94	4.5	290.24	12.69	17.13	No	290.55	22.12	30.18	NO	294.02	1.68	53.52	Yes
ST-STR-322	Inlet	272.351	276.601	4.25	274.12	1.6	4.55	No	281.48	2.69	5.6	YES	280.99	0.152	5.48	Yes
ST-STR-323	Outlet	282.9	283.147	0.247	282.91	0	0.02	No	282.91	0	0.02	NO	282.91	0	0.02	No
ST-STR-324	Inlet	282.8	286.59	3.79	283.56	0.53	1.38	No	283.98	0.89	2.44	NO	284.85	0.035	4.87	No
ST-STR-325	Outlet	288.332	288.552	0	288.33	0	0	No	288.33	0	0	NO	288.33	0	0	No
ST-STR-326	Inlet	283.664	286.664	3	283.76	0.18	0.18	No	283.97	0.29	0.29	NO	284.84	0.01	0.45	No
ST-STR-327	Inlet	287.793	292.293	4.5	287.99	1.01	1.01	No	288.05	1.73	1.73	NO	288.12	0.074	2.81	No
ST-STR-328	Other	381.253	381.253	0	381.25	0	0	No	381.25	0	0	NO	381.25	0	0	No
ST-STR-329	Other	342.789	342.789	0	343.21	1.61	1.61	Yes	343.34	3.02	3.02	YES	343.48	0.16	5.09	Yes
ST-STR-33	Headwall	299.021	299.021	0	302.46	0	677.08	Yes	302.83	0	909.69	YES	303.12	0	1154.73	Yes
ST-STR-330	Outlet	341.772	341.772	0	341.82	0	1.63	Yes	341.84	0	3.07	YES	341.86	0	5.23	Yes
ST-STR-331	Outlet	364.496	364.496	0	364.58	0	0.24	Yes	364.6	0	0.47	YES	364.62	0	0.71	Yes
ST-STR-332	Headwall	364.832	367.832	3	365.08	0.36	0.36	No	365.17	0.65	0.65	NO	365.29	0.027	1.04	No
ST-STR-333	Inlet	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-334	Outlet	390.481	390.481	0	390.48	0	0	No	390.48	0	0	NO	390.48	0	0	No
ST-STR-335	Other	365.526	368.517	0	366.54	0.98	0.98	No	366.55	1.82	1.82	NO	366.56	0.084	2.98	No
ST-STR-336	Outlet	370.964	370.964	0	370.96	0	0	No	370.96	0	0	NO	370.96	0	0	No
ST-STR-337	Other	378.949	381.949	3	378.95	0	0	No	378.95	0	0	NO	378.95	0	0	No
ST-STR-338	Inlet	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No

Proposed Condition Junctions Results Summary Table

	Dimensions				2-year				10-year				100-year			
Facility ID	Type	Invert Elevation (feet)	Rim Elevation (feet)	Depth (feet)	Max. HGL (2-year) (feet)	Max. Lateral Inflow (2-year) (cfs)	Max. Total Inflow (2-year) (cfs)	Surcharging (2-year)	Max. HGL (10-year) (feet)	Max. Lateral Inflow (10-year) (cfs)	Max. Total Inflow (10-year) (cfs)	Surcharging (10-year)	Max. HGL (100-year) (feet)	Max. Lateral Inflow (100-year) (cfs)	Max. Total Inflow (100-year) (cfs)	Surcharging (100-year)
ST-STR-339	Outlet	339.343	339.343	0	339.34	0	0	No	339.34	0	0	NO	339.34	0	0	No
ST-STR-34	Headwall	289.196	289.196	0	292.02	0	724.61	Yes	292.53	0	1079.64	YES	293.41	0	1784.26	Yes
ST-STR-340	Inlet	355.086	359.086	4	355.3	0.87	0.87	No	355.38	1.59	1.59	NO	355.47	0.069	2.57	No
ST-STR-341	Outlet	330.673	330.918	0	330.7	0	0.83	No	330.71	0	1.53	NO	330.73	0	2.48	No
ST-STR-342	Other	361.332	361.332	0	361.33	0	0	No	361.33	0	0	NO	361.33	0	0	No
ST-STR-343	Other	369.974	370.069	0	369.97	0	0	No	369.97	0	0	NO	369.97	0	0	No
ST-STR-344	Outlet	325.299	325.299	0	325.35	0	2.03	Yes	325.37	0	3.6	YES	325.39	0	5.88	Yes
ST-STR-345	Other	335.384	335.384	0	335.67	2.04	2.04	Yes	335.76	3.61	3.61	YES	335.86	0.176	5.9	Yes
ST-STR-346	Inlet	307.133	311.633	4.5	307.75	3.74	4.95	No	307.95	6.3	8.11	NO	311.03	0.373	13.25	No
ST-STR-347	Inlet	306.435	310.685	4.25	306.96	1.93	6.93	No	307.15	3.38	11.74	NO	310.49	0.218	19.21	No
ST-STR-348	Inlet	310.145	313.645	3.5	310.34	0.73	2.41	No	310.39	1.19	3.73	NO	310.45	0.074	5.53	No
ST-STR-349	Inlet	322.381	326.631	4.25	323.23	13.8	14.69	No	323.58	24.55	26.44	NO	324.66	1.92	47.15	No
ST-STR-350	Other	344.652	344.652	0	344.66	1.21	1.21	Yes	344.67	2	2	YES	344.67	0.088	3.29	Yes
ST-STR-351	Other	338.439	339.368	0	338.44	0.19	0.19	No	338.45	0.31	0.31	NO	338.45	0.01	0.48	No
ST-STR-352	Outlet	325.417	325.417	0	325.42	0	0	Yes	325.42	0	0	YES	325.42	0	0	Yes
ST-STR-353	Other	360.875	360.875	0	360.88	0	0	Yes	360.88	0	0	YES	360.88	0	0	Yes
ST-STR-354	Inlet	355	361.564	6.564	355.96	1.91	12.92	No	356.37	3.4	22.79	NO	357.36	0.191	38.68	No
ST-STR-355	Inlet	356.523	361.523	5	357.18	11.02	11.02	No	357.44	19.37	19.37	NO	358.09	1.21	33.06	No
ST-STR-356	Other	414.171	414.837	0	414.17	0	0	No	414.17	0	0	NO	414.17	0	0	No
ST-STR-357	Outlet	355.647	355.797	0	355.65	0	0	No	355.65	0	0	NO	355.65	0	0	No
ST-STR-358	Inlet	385.759	389.259	3.5	386.65	10.08	10.78	No	387.02	17.65	19.03	NO	387.69	1.16	31.07	No
ST-STR-359	Inlet	385.226	389.726	4.5	385.73	1.78	12.42	No	385.9	3.09	21.99	NO	386.11	0.172	38.33	No
ST-STR-36	Headwall	417.533	417.701	0	418.06	0	23.16	Yes	418.26	0	39.62	YES	418.49	0	70.93	Yes
ST-STR-360	Other	409.422	409.422	0	409.62	0.31	0.31	Yes	409.68	0.54	0.54	YES	409.74	0.021	0.86	Yes
ST-STR-361	Inlet	326	328.439	2.439	326.31	1.44	1.44	No	326.4	2.37	2.37	NO	330.04	0.113	84.28	Yes
ST-STR-362	Inlet	330.839	335.339	4.5	331.04	0.88	0.88	No	331.09	1.45	1.45	NO	331.14	0.067	2.3	No
ST-STR-363	Inlet	346.684	351.184	4.5	347.13	0.37	2.52	No	347.28	0.65	4.27	NO	347.46	0.027	6.78	No
ST-STR-364	Inlet	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-365	Cleanout	369.362	373.862	4.5	369.6	0	2.16	No	369.67	0	3.64	NO	369.75	0	5.77	No
ST-STR-366	Inlet	369.679	374.179	4.5	370.14	2.17	2.17	No	370.29	3.64	3.64	NO	370.48	0.161	5.78	No
ST-STR-367	Inlet	432	432.923	0.923	432.32	1.35	1.35	No	432.43	2.3	2.3	NO	432.58	0.119	3.76	No
ST-STR-368	Inlet	385	401.047	16.047	385.17	0.03	0.27	No	385.21	0.05	0.43	NO	385.26	0.002	0.68	No
ST-STR-369	Inlet	386.155	390.405	4.25	386.28	0.24	0.24	No	386.32	0.39	0.39	NO	386.35	0.014	0.61	No
ST-STR-37	Headwall	412.288	412.288	0	412.75	0	27.09	Yes	412.88	0	47.56	YES	413.06	0	83.67	Yes
ST-STR-370	Inlet	383	389.31	6.31	383.32	1.64	1.89	No	383.43	2.96	3.38	NO	383.55	0.15	5.55	No
ST-STR-371	Headwall	376.6	377.153	0	376.64	0.56	2.44	No	376.65	0.9	4.26	NO	376.67	0.034	6.92	No
ST-STR-372	Inlet	342.615	347.115	4.5	343.14	5.96	6.96	No	343.34	10.39	12.34	NO	343.63	0.519	21.04	No
ST-STR-373	Inlet	329.839	335.339	5.5	330.98	0.99	21.11	No	331.44	1.57	37.81	NO	332.17	0.06	65.12	No
ST-STR-374	Inlet	330.274	335.024	4.75	331.26	8.63	11.81	No	331.7	15.11	20.92	NO	332.44	0.963	35.91	No
ST-STR-375	Headwall	334.501	334.501	0	335.12	3.17	3.18	Yes	335.35	5.78	5.8	YES	335.57	0.295	9.64	Yes
ST-STR-376	Inlet	332.061	337.061	5	337.13	0	0	Yes	337.13	0	0.01	YES	337.13	0	0.01	Yes
ST-STR-377	Inlet	438.01	442.01	4	438.51	1	4.5	No	438.67	1.69	7.38	NO	438.83	0.076	10.69	No
ST-STR-378	Inlet	440.645	444.645	4	441.26	3.53	3.53	No	442.23	6.1	6.1	NO	445.26	0.304	9.97	Yes
ST-STR-379	Inlet	405.68	410.18	4.5	405.71	4.58	4.58	No	405.73	8.06	8.06	NO	405.74	0.437	13.79	No
ST-STR-38	Connector	412.183	412.249	0.066	412.96	0	81.95	Yes	412.96	0	81.95	YES	412.96	0	81.95	Yes
ST-STR-380	Inlet	393.91	398.41	4.5	394.17	1.33	1.38	No	394.25	2.28	2.38	NO	394.36	0.123	4.21	No
ST-STR-381	Inlet	396.433	399.433	3	396.44	0	0.01	No	396.46	0	0.01	NO	396.62	0	0.07	No

Proposed Condition Junctions Results Summary Table

	Dimensions				2-year				10-year				100-year			
Facility ID	Type	Invert Elevation (feet)	Rim Elevation (feet)	Depth (feet)	Max. HGL (2-year) (feet)	Max. Lateral Inflow (2-year) (cfs)	Max. Total Inflow (2-year) (cfs)	Surcharging (2-year)	Max. HGL (10-year) (feet)	Max. Lateral Inflow (10-year) (cfs)	Max. Total Inflow (10-year) (cfs)	Surcharging (10-year)	Max. HGL (100-year) (feet)	Max. Lateral Inflow (100-year) (cfs)	Max. Total Inflow (100-year) (cfs)	Surcharging (100-year)
ST-STR-382	Headwall	425.421	425.421	0	426.25	5.46	5.46	Yes	426.29	9.68	9.68	YES	426.33	0.701	16.7	Yes
ST-STR-383	Inlet	437.822	442.322	4.5	438.38	3.83	3.83	No	438.6	6.79	6.79	NO	438.95	0.508	11.79	No
ST-STR-384	Inlet	437.238	441.738	4.5	437.8	0.53	4.37	No	438.02	0.85	7.66	NO	438.37	0.044	13.16	No
ST-STR-385	Inlet	433.48	436.98	3.5	434.05	0.76	5.08	No	434.22	1.19	8.78	NO	434.47	0.053	14.9	No
ST-STR-386	Inlet	432.714	437.214	4.5	433.55	0.35	4.19	No	433.91	0.57	7.16	NO	437.21	0.028	11.35	No
ST-STR-387	Inlet	433.052	437.552	4.5	433.79	3.84	3.84	No	434.13	6.6	6.6	NO	437.55	0.343	10.83	No
ST-STR-388	Inlet	437.381	441.881	4.5	437.5	0.62	0.62	No	437.53	0.96	0.96	NO	437.56	0.041	1.47	No
ST-STR-389	Cleanout	429.747	441.747	12	430.12	0	4.01	No	430.25	0	6.87	NO	430.43	0	11.24	No
ST-STR-39	Headwall	431	431.438	0.438	431.12	0	5.86	No	431.12	0	5.86	NO	431.12	0	5.86	No
ST-STR-390	Inlet	388.898	394.398	5.5	389.73	0.95	24.4	No	390.01	1.52	41.57	NO	390.42	0.067	69.65	No
ST-STR-391	Inlet	437.691	438.013	0	438.09	0.61	0.61	Yes	438.11	0.98	0.98	YES	438.13	0.046	1.55	Yes
ST-STR-392	Other	438.048	438.048	0	438.66	3	3	Yes	438.69	5.25	5.25	YES	438.72	0.333	8.89	Yes
ST-STR-393	Inlet	428.178	433.178	5	428.93	9.51	9.51	No	429.21	16.66	16.66	NO	430.55	1.1	28.3	No
ST-STR-394	Inlet	423.422	428.422	5	424.5	1.58	10.97	No	424.92	2.74	19.2	NO	427.34	0.13	31.58	No
ST-STR-395	Inlet	406.705	411.205	4.5	406.98	3.46	3.46	No	407.06	5.7	5.7	NO	407.16	0.227	9.16	No
ST-STR-396	Cleanout	429.445	433.695	4.25	430.15	0	2.9	No	430.43	0	4.87	NO	432.05	0	7.27	No
ST-STR-397	Cleanout	427.77	432.02	4.25	428.19	0	2.86	No	428.32	0	4.77	NO	428.44	0	6.73	No
ST-STR-398	Inlet	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-399	Outlet	399.825	399.965	0	399.95	0	0.15	No	399.96	0	0.26	NO	399.97	0	0.42	Yes
ST-STR-4	Cleanout/Manhole	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-40	Headwall	439.853	439.853	0	439.97	0	5.6	Yes	440.02	0	10	YES	440.09	0	17.07	Yes
ST-STR-400	Outlet	401.708	401.708	0	402.49	0	0.17	Yes	402.5	0	0.26	YES	402.5	0	0.39	Yes
ST-STR-401	Outlet	395.871	395.871	0	396.35	0	5.17	Yes	396.37	0	8.53	YES	396.4	0	13.92	Yes
ST-STR-402	Headwall	396.816	396.816	0	397.05	5.23	5.23	Yes	397.13	8.61	8.61	YES	397.24	0.491	14.04	Yes
ST-STR-403	Headwall	404.367	404.367	0	404.4	0.18	0.18	Yes	404.4	0.27	0.27	YES	404.41	0.01	0.4	Yes
ST-STR-404	Headwall	400.667	401.923	0	400.71	2.23	2.23	No	400.72	3.85	3.85	NO	400.74	0.181	6.26	No
ST-STR-405	Inlet	403.791	408.291	4.5	404.53	3.8	5.34	No	404.81	6.06	8.77	NO	405.71	0.291	15.06	No
ST-STR-406	Inlet	403.025	407.695	4.67	403.57	1.16	6.47	No	403.75	1.93	10.64	NO	404.04	0.108	18.12	No
ST-STR-407	Inlet	387.769	392.439	4.67	388.65	1.8	8.16	No	388.96	2.96	13.43	NO	389.5	0.146	22.52	No
ST-STR-408	Inlet	432.733	435.733	3	432.89	1.17	1.17	No	432.94	1.83	1.83	NO	433	0.084	2.85	No
ST-STR-409	Inlet	404.7	411.909	7.209	405.99	0.6	51.9	No	406.13	0.98	63.1	NO	406.29	0.052	77.56	No
ST-STR-41	Headwall	377.086	380.221	3.135	377.38	0	15.27	No	377.51	0	29.44	NO	377.59	0	40.02	No
ST-STR-410	Inlet	407.174	411.674	4.5	407.38	0.94	0.94	No	407.44	1.57	1.57	NO	407.52	0.105	2.61	No
ST-STR-411	Inlet	405.174	412.174	7	406.9	7.38	52.41	No	407.07	12.24	62.22	NO	407.27	0.864	73.91	No
ST-STR-412	Inlet	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-413	Inlet	392.013	397.013	5	392.4	1.31	1.31	No	392.5	2.14	2.14	NO	392.63	0.107	3.44	No
ST-STR-414	Headwall	387.39	387.39	0	387.78	0	1.24	Yes	388.08	0	2.29	YES	388.48	0	3.91	Yes
ST-STR-415	Inlet	439	447.55	8.55	440.42	7.24	9.59	No	443.89	12.56	16.38	NO	446.78	0.835	39.83	No
ST-STR-416	Inlet	440	448.482	8.482	440.43	2.35	2.35	No	443.9	3.95	3.95	NO	447.81	0.195	64.22	No
ST-STR-417	Inlet	457	466.873	9.873	459.2	3.85	104.15	No	465.22	6.42	160.08	NO	467.1	0.371	195.37	Yes
ST-STR-418	Inlet	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-419	Inlet	398.605	403.105	4.5	399.05	2.02	2.02	No	399.18	3.35	3.35	NO	399.35	0.208	5.55	No
ST-STR-42	Headwall	426.099	426.099	0	426.31	0	7.03	Yes	426.4	0	12.92	YES	426.52	0	22.46	Yes
ST-STR-420	Other	415.002	415.325	0	415.04	1.9	2.27	No	415.05	2.93	3.57	NO	415.06	0.129	5.55	No
ST-STR-421	Inlet	490.641	495.641	5	490.85	0.25	0.27	No	490.9	0.41	0.61	NO	491.14	0.021	2.49	No
ST-STR-422	Inlet	497.992	502.992	5	498.27	1.33	1.33	No	498.35	2.37	2.37	NO	498.48	0.21	4.18	No
ST-STR-423	Inlet	496.963	501.463	4.5	497.1	0.32	0.32	No	497.15	0.56	0.56	NO	497.19	0.026	0.9	No

Proposed Condition Junctions Results Summary Table

	Dimensions				2-year				10-year				100-year			
Facility ID	Type	Invert Elevation (feet)	Rim Elevation (feet)	Depth (feet)	Max. HGL (2-year) (feet)	Max. Lateral Inflow (2-year) (cfs)	Max. Total Inflow (2-year) (cfs)	Surcharging (2-year)	Max. HGL (10-year) (feet)	Max. Lateral Inflow (10-year) (cfs)	Max. Total Inflow (10-year) (cfs)	Surcharging (10-year)	Max. HGL (100-year) (feet)	Max. Lateral Inflow (100-year) (cfs)	Max. Total Inflow (100-year) (cfs)	Surcharging (100-year)
ST-STR-424	Inlet	487.091	492.591	5.5	487.32	1.19	1.5	No	487.4	2	2.66	NO	487.5	0.096	4.62	No
ST-STR-425	Inlet	503.89	506.89	3	503.89	0	0	No	503.89	0	0	NO	503.89	0	0	No
ST-STR-426	Inlet	392.33	395.33	3	392.73	0	5.05	No	392.85	0	7.95	NO	393.03	0	12.65	No
ST-STR-427	Headwall	407	410.832	3.832	407.91	5.12	5.12	No	408.32	8.07	8.07	NO	408.83	0.375	12.61	No
ST-STR-428	Headwall	409.773	409.773	0	409.77	0	0	No	409.77	0	0	NO	409.77	0	0	No
ST-STR-429	Headwall	407.656	410.656	3	407.66	0	0	No	407.66	0	0	NO	407.66	0	0	No
ST-STR-43	Headwall	426.025	429.025	3	426.05	0	2.21	No	426.06	0	3.82	NO	426.08	0	6.21	No
ST-STR-430	Headwall	408.179	411.179	3	408.18	0	0	No	408.18	0	0	NO	408.18	0	0	No
ST-STR-431	Inlet	421.791	426.291	4.5	422.17	0.93	1.44	No	422.29	1.6	2.48	NO	422.44	0.077	3.99	No
ST-STR-432	Inlet	428.617	433.117	4.5	428.73	0.51	0.51	No	428.77	0.88	0.88	NO	428.8	0.039	1.41	No
ST-STR-433	Inlet	404.316	407.316	3	404.5	0	2.81	No	404.55	0	4.47	NO	404.61	0	7.02	No
ST-STR-434	Inlet	492.692	495.692	3	492.8	0.72	0.72	No	492.84	1.28	1.28	NO	492.88	0.067	2.11	No
ST-STR-436	Inlet	451.575	456.575	5	451.75	0.53	2.39	No	451.8	0.91	4.34	NO	451.87	0.042	7.22	No
ST-STR-437	Inlet	456.446	461.446	5	456.73	1.87	1.87	No	456.83	3.44	3.44	NO	456.94	0.187	5.78	No
ST-STR-438	Other	399	400.5	1.5	400.41	0	15.62	No	400.74	0	26.7	YES	400.84	0	46.54	Yes
ST-STR-439	Inlet	419.641	424.141	4.5	419.82	0.51	0.51	No	419.87	0.8	0.8	NO	419.92	0.036	1.24	No
ST-STR-44	Headwall	357.827	357.827	0	358.13	0	23.2	Yes	358.26	0	41.37	YES	358.45	0	77.44	Yes
ST-STR-440	Inlet	428.125	431.625	3.5	428.32	0.86	0.86	No	428.37	1.38	1.38	NO	428.44	0.068	2.2	No
ST-STR-441	Inlet	428.177	431.677	3.5	428.4	0.9	0.9	No	428.46	1.44	1.44	NO	428.53	0.07	2.27	No
ST-STR-442	Inlet	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-443	Inlet	477	482.094	5.094	477.17	0.35	0.54	No	477.21	0.54	0.83	NO	477.25	0.023	1.27	No
ST-STR-444	Inlet	477.527	482.027	4.5	477.65	0.19	0.19	No	477.68	0.29	0.29	NO	477.71	0.012	0.45	No
ST-STR-445	Inlet	463.593	467.093	3.5	463.88	1.03	1.03	No	463.95	1.6	1.6	NO	464.05	0.071	2.47	No
ST-STR-446	Inlet	463.371	466.871	3.5	463.64	1.28	1.28	No	463.72	2	2	NO	463.83	0.09	3.1	No
ST-STR-447	Inlet	474.541	478.041	3.5	474.89	1.57	1.57	No	474.98	2.56	2.56	NO	475.1	0.121	4.05	No
ST-STR-448	Inlet	440.847	445.347	4.5	441.06	1.18	1.18	No	441.11	1.85	1.85	NO	441.17	0.085	2.88	No
ST-STR-449	Inlet	435.393	440.393	5	435.74	0.1	4.8	No	435.83	0.16	7.61	NO	435.94	0.007	11.92	No
ST-STR-45	Headwall	284.149	284.96	0	286.83	0	469.24	Yes	287.05	0	542.84	YES	287.66	0	713.58	Yes
ST-STR-450	Inlet	436.204	440.704	4.5	436.68	0.41	3.52	No	436.81	0.67	5.61	NO	436.98	0.034	8.84	No
ST-STR-451	Inlet	437.662	441.662	4	437.83	0.66	0.66	No	437.88	1.05	1.05	NO	437.93	0.051	1.66	No
ST-STR-452	Inlet	436.434	440.934	4.5	436.99	2.46	2.46	No	437.16	3.91	3.91	NO	437.39	0.186	6.14	No
ST-STR-453	Inlet	398.07	401.57	3.5	398.86	4.91	7.17	No	399.4	9.23	13.89	NO	401.28	0.556	23.09	No
ST-STR-454	Inlet	397.292	401.792	4.5	398.34	1.97	9.12	No	398.8	3.53	17.36	NO	399.37	0.224	28.77	No
ST-STR-455	Inlet	368	373.286	5.286	368.6	2.18	9.72	No	368.89	3.91	19.24	NO	371.07	0.232	33.1	No
ST-STR-456	Outlet	382.69	382.763	0	382.69	0	0	No	382.69	0	0	NO	382.69	0	0	No
ST-STR-457	Inlet	394.661	400.271	3	394.67	0.41	0.41	No	394.68	1.09	1.09	NO	394.68	0.054	1.96	No
ST-STR-458	Inlet	399.676	402.676	3	400.02	0.15	1.51	No	400.15	0.24	2.84	NO	401.48	0.01	4.88	No
ST-STR-459	Outlet	414.174	414.415	0	414.21	0	1.34	No	414.23	0	2.69	NO	414.25	0	4.62	No
ST-STR-46	Headwall	271.9	274.05	2.15	273.7	0	25.85	No	274.39	0	199.81	YES	275.16	0	545.11	Yes
ST-STR-460	Outlet	419.295	419.451	0	419.3	0	0	No	419.3	0	0	NO	419.3	0	0	No
ST-STR-461	Inlet	445.039	448.039	3	445.04	0	0	No	445.04	0	0	NO	445.04	0	0	No
ST-STR-462	Headwall	461.001	461.001	0	461.24	2.03	2.03	Yes	461.32	3.61	3.61	YES	461.4	0.181	5.91	Yes
ST-STR-463	Inlet	410.162	413.162	3	410.39	1.38	1.38	No	410.47	2.62	2.62	NO	410.56	0.154	4.53	No
ST-STR-464	Inlet	414.249	417.249	3	414.25	0	0	No	414.25	0	0	NO	414.25	0	0	No
ST-STR-465	Inlet	393.072	396.072	3	393.63	0.07	2.04	No	393.8	0.16	3.68	NO	393.98	0.007	6.06	No
ST-STR-466	Inlet	441.926	444.926	3	441.93	0	0	No	441.93	0	0	NO	441.93	0	0	No
ST-STR-467	Inlet	418.14	421.14	3	418.5	1.49	1.49	No	418.63	2.9	2.9	NO	418.77	0.149	4.9	No

Proposed Condition Junctions Results Summary Table

	Dimensions				2-year				10-year				100-year			
Facility ID	Type	Invert Elevation (feet)	Rim Elevation (feet)	Depth (feet)	Max. HGL (2-year) (feet)	Max. Lateral Inflow (2-year) (cfs)	Max. Total Inflow (2-year) (cfs)	Surcharging (2-year)	Max. HGL (10-year) (feet)	Max. Lateral Inflow (10-year) (cfs)	Max. Total Inflow (10-year) (cfs)	Surcharging (10-year)	Max. HGL (100-year) (feet)	Max. Lateral Inflow (100-year) (cfs)	Max. Total Inflow (100-year) (cfs)	Surcharging (100-year)
ST-STR-468	Outlet	392.392	392.392	0	392.44	0	1.81	Yes	392.46	0	3.38	YES	392.49	0	5.67	Yes
ST-STR-469	Inlet	317.992	322.492	4.5	318.57	3.23	3.23	No	318.81	5.83	5.83	NO	319.23	0.377	10.38	No
ST-STR-47	Headwall	271.632	271.852	0	273.7	0	466.33	Yes	274.36	0	894.77	YES	275.06	0	1341.91	Yes
ST-STR-470	Inlet	316.715	324.715	8	317.33	2.3	5.5	No	317.53	4.06	9.84	NO	317.82	0.286	17.36	No
ST-STR-471	Inlet	312.366	317.366	5	312.71	3.89	3.89	No	312.83	7.17	7.17	NO	312.97	0.355	11.92	No
ST-STR-472	Inlet	308.463	313.963	5.5	309.02	7.09	10.96	No	309.22	12.9	20.04	NO	309.47	0.771	33.99	No
ST-STR-473	Inlet	305.908	311.908	6	306.42	0.71	10.89	No	306.6	1.14	20.32	NO	306.87	0.05	34.95	No
ST-STR-474	Inlet	304.323	311.323	7	305.18	0.26	26.08	No	305.58	0.4	49.68	NO	306.1	0.017	85.55	No
ST-STR-475	Inlet	306.598	311.098	4.5	306.75	0.65	0.65	No	306.8	1.15	1.15	NO	306.86	0.05	1.88	No
ST-STR-476	Inlet	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-477	Headwall	312.789	312.789	0	313.21	1.18	1.18	Yes	313.44	2.16	2.16	YES	313.68	0.105	3.66	Yes
ST-STR-478	Inlet	306.501	311.501	5	307.44	2.65	2.65	No	307.68	4.1	4.1	NO	308.01	0.175	6.33	No
ST-STR-479	Inlet	369.199	373.699	4.5	369.82	5.18	5.18	No	370.09	9.51	9.51	NO	370.65	0.588	16.43	No
ST-STR-480	Other	393.765	393.765	0	393.94	4.51	4.51	Yes	394	8.05	8.05	YES	394.07	0.47	14.04	Yes
ST-STR-481	Inlet	382.15	386.65	4.5	382.93	11.18	11.18	No	383.28	20.03	20.03	NO	386.78	1.98	36.37	Yes
ST-STR-482	Inlet	381.595	386.095	4.5	382.21	2.8	3.17	No	382.88	5.1	8.25	NO	386.42	0.317	12.44	Yes
ST-STR-483	Inlet	422	424.458	2.458	422.72	5.31	6.3	No	422.96	9.28	11.35	NO	423.27	0.562	19.17	No
ST-STR-484	Connector	400.34	403.34	3	403.37	2.79	3.13	Yes	403.42	4.81	5.59	YES	403.46	0.274	9.53	Yes
ST-STR-485	Connector	403.582	403.582	0	403.82	5.91	5.91	Yes	403.88	9.79	9.79	YES	403.95	0.473	15.64	Yes
ST-STR-486	Inlet	387.699	392.199	4.5	388.04	4.19	4.19	No	388.19	7.66	8.5	NO	388.69	0.488	17.58	No
ST-STR-487	Inlet	384.087	392.087	8	385.95	9.42	94.54	No	386.6	16.22	161.33	NO	387.62	1.23	271.58	No
ST-STR-488	Inlet	389.034	394.034	5	389.25	0.77	0.77	No	389.42	1.32	1.32	NO	391.88	0.072	2.17	No
ST-STR-489	Inlet	399.916	406.916	7	401.54	6.67	78.23	No	402.11	11.92	131.88	NO	403.35	0.835	227.16	No
ST-STR-49	Outlet	365.901	366.056	0	365.9	0	0	No	365.9	0	0	NO	365.9	0	0	No
ST-STR-490	Inlet	403.591	409.591	6	405.35	11.91	72.09	No	405.97	21.11	120.79	NO	408.33	1.36	209.73	No
ST-STR-491	Inlet	412.155	419.155	7	413.67	2.66	59.15	No	414.17	4.8	97.54	NO	415.14	0.28	175.03	No
ST-STR-492	Inlet	410.751	417.751	7	412.07	2.7	61.52	No	412.48	4.91	101.79	NO	413.52	0.318	182.09	No
ST-STR-493	Inlet	428.97	432.97	4	429.45	3.75	3.75	No	429.66	6.72	6.72	NO	433	0.374	11.25	Yes
ST-STR-494	Inlet	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-495	Other	416.937	416.937	0	418.75	3.73	3.73	Yes	418.77	6.52	6.52	YES	418.79	0.335	10.97	Yes
ST-STR-496	Inlet	372.202	378.202	6	372.66	5.71	10.63	No	372.82	9.78	19.25	NO	373.03	0.518	35.15	No
ST-STR-497	Inlet	374.636	379.136	4.5	375.13	2.6	5.4	No	375.34	4.53	10.37	NO	375.65	0.207	18.46	No
ST-STR-498	Inlet	351.326	357.326	6	352.22	13.7	25.17	No	352.55	23.44	44.5	NO	353.15	1.79	81.19	No
ST-STR-499	Inlet	378.866	383.366	4.5	379.33	2.78	2.78	No	379.48	4.76	4.76	NO	379.69	0.21	7.92	No
ST-STR-5	Cleanout	412.747	417.747	5	413.68	0	15.35	No	414.08	0	27.4	NO	418.14	0	37.84	Yes
ST-STR-50	Headwall	294.138	294.138	0	298.58	0	425.2	Yes	299.11	0	599.59	YES	299.93	0	813.65	Yes
ST-STR-500	Inlet	346.543	351.043	4.5	347.18	2.9	5.65	No	347.42	5.04	9.76	NO	347.84	0.257	16.56	No
ST-STR-501	Inlet	410.045	414.045	4	410.33	3.54	3.54	No	410.41	6.2	6.2	NO	410.52	0.401	10.4	No
ST-STR-502	Inlet	354.506	359.006	4.5	355.86	6.56	9.84	No	356.85	11.38	17.26	NO	358.69	0.667	29.81	No
ST-STR-503	Inlet	369.959	375.959	6	371.15	7.94	19.32	No	371.58	13.9	34.53	NO	372.42	0.838	61.14	No
ST-STR-504	Other	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-505	Other	375.7	376.7	1	375.7	0	0	No	375.7	0	0	NO	375.7	0	0	No
ST-STR-506	Inlet	432.412	435.412	3	432.52	0.32	0.32	No	432.54	0.51	0.51	NO	432.58	0.022	0.8	No
ST-STR-507	Outlet	421.326	421.653	0	421.34	0	0.17	No	421.35	0	0.27	NO	421.35	0	0.43	No
ST-STR-508	Inlet	429.207	432.207	3	431.68	0.88	1.02	No	431.69	1.38	1.6	NO	431.7	0.057	2.48	No
ST-STR-509	Inlet	441.13	444.13	3	441.22	0.16	0.16	No	441.24	0.25	0.25	NO	441.26	0.01	0.38	No
ST-STR-51	Headwall	298.695	298.695	0	303.26	0	378	Yes	303.81	0	552.16	YES	304.6	0	752.19	Yes

Proposed Condition Junctions Results Summary Table

	Dimensions				2-year				10-year				100-year			
Facility ID	Type	Invert Elevation (feet)	Rim Elevation (feet)	Depth (feet)	Max. HGL (2-year) (feet)	Max. Lateral Inflow (2-year) (cfs)	Max. Total Inflow (2-year) (cfs)	Surcharging (2-year)	Max. HGL (10-year) (feet)	Max. Lateral Inflow (10-year) (cfs)	Max. Total Inflow (10-year) (cfs)	Surcharging (10-year)	Max. HGL (100-year) (feet)	Max. Lateral Inflow (100-year) (cfs)	Max. Total Inflow (100-year) (cfs)	Surcharging (100-year)
ST-STR-510	Inlet	357.604	362.104	4.5	357.95	1.38	1.38	No	358.07	2.5	2.5	NO	358.21	0.121	4.09	No
ST-STR-511	Outlet	350.929	350.929	0	351.04	0	1.34	Yes	351.07	0	2.45	YES	351.1	0	4.03	Yes
ST-STR-513	Inlet	342.593	347.593	5	343.8	8.52	8.82	No	344.44	15.37	16.19	NO	347.6	0.914	27.97	Yes
ST-STR-514	Inlet	375.14	385.14	10	375.94	7.35	14.66	No	376.25	13.33	26.06	NO	376.74	0.818	42.69	No
ST-STR-515	Other	383.778	386.778	3	385.93	0.22	0.26	No	385.93	0.41	0.47	NO	385.94	0.018	0.79	No
ST-STR-516	Other	379.692	382.692	3	379.79	0.11	0.11	No	379.82	0.2	0.2	NO	379.85	0.008	0.33	No
ST-STR-517	Other	377.031	380.031	3	377.84	0.75	0.86	No	378.54	1.6	1.79	NO	379.81	0.092	3.14	No
ST-STR-518	Outlet	403.981	403.981	0	404.09	0	0.26	Yes	404.12	0	0.46	YES	404.16	0	0.74	Yes
ST-STR-519	Inlet	406.563	411.063	4.5	406.76	0.27	0.27	No	406.83	0.47	0.48	NO	406.9	0.019	0.76	No
ST-STR-52	Headwall	306.046	306.138	0	313.13	0	570.34	Yes	313.98	0	839.16	YES	314.71	0	1105.29	Yes
ST-STR-520	Inlet	442.346	445.346	3	442.68	3	3	No	442.79	5.43	5.43	NO	442.93	0.329	9.28	No
ST-STR-521	Other	417.134	420.134	3	417.24	0.18	0.18	No	417.27	0.31	0.31	NO	417.3	0.012	0.5	No
ST-STR-522	Inlet	436.584	439.584	3	436.65	0.1	0.1	No	436.67	0.16	0.16	NO	436.68	0.006	0.24	No
ST-STR-523	Other	411.917	418.498	3	411.92	0	0.28	No	411.93	0	0.47	NO	411.93	0	0.73	No
ST-STR-524	Inlet	423.965	429.465	5.5	424.68	3.79	10.87	No	424.95	6.8	19.38	NO	425.51	0.618	33.82	No
ST-STR-525	Inlet	457	458.054	1.054	457.08	0.1	0.1	No	457.1	0.16	0.16	NO	457.12	0.006	0.25	No
ST-STR-526	Inlet	453.778	457.699	3.5	453.79	0.21	0.27	No	453.8	0.35	0.45	NO	453.8	0.013	0.71	No
ST-STR-527	Outlet	452.592	452.592	0	452.61	0	0.27	Yes	452.61	0	0.44	YES	452.62	0	0.7	Yes
ST-STR-528	Outlet	456.732	456.732	0	456.98	0	0.03	Yes	456.98	0	0.05	YES	456.98	0	0.08	Yes
ST-STR-529	Inlet	421.298	425.798	4.5	421.61	1.29	1.29	No	421.71	2.34	2.34	NO	421.83	0.12	3.87	No
ST-STR-53	Headwall	337.321	337.321	0	337.56	0.35	0.35	Yes	337.63	0.55	0.55	YES	337.71	0.017	0.85	Yes
ST-STR-530	Outlet	416.801	416.855	0	416.86	0	1.28	Yes	416.89	0	2.32	YES	416.92	0	3.85	Yes
ST-STR-531	Outlet	403.919	403.919	0	404.29	0	2.29	Yes	404.31	0	3.87	YES	404.33	0	5.44	Yes
ST-STR-532	Headwall	439.355	439.355	0	439.82	1.38	1.38	Yes	440.07	2.58	2.58	YES	440.43	0.139	4.35	Yes
ST-STR-533	Inlet	448.232	451.232	3	448.39	0.72	0.72	No	448.44	1.25	1.25	NO	448.49	0.056	2.01	No
ST-STR-534	Headwall	406	408.023	2.023	406.38	0.78	0.85	No	406.53	1.43	1.55	NO	406.81	0.066	2.52	No
ST-STR-535	Outlet	404.499	404.499	0	404.63	0	0.83	Yes	404.64	0	1.51	YES	404.66	0	2.43	Yes
ST-STR-536	Other	421.723	424.723	3	421.77	0.08	0.08	No	421.78	0.12	0.12	NO	421.79	0.005	0.18	No
ST-STR-537	Inlet	401.157	401.157	0	401.31	0.31	0.54	Yes	401.37	0.63	1.08	YES	401.42	0.03	1.8	Yes
ST-STR-538	Inlet	408.234	408.234	0	408.35	0.24	0.24	Yes	408.4	0.46	0.46	YES	408.44	0.022	0.76	Yes
ST-STR-539	Outlet	377.262	377.262	0	377.29	0	0.53	Yes	377.3	0	1.06	YES	377.32	0	1.78	Yes
ST-STR-54	Headwall	322.549	328.027	4.027	322.7	0	4.76	No	323.27	0	7.19	NO	324.3	0	124.44	No
ST-STR-540	Outlet	487.003	487.003	0	487	0	0	No	487	0	0	NO	487	0	0	No
ST-STR-541	Outlet	459.715	459.715	0	459.71	0	0	No	459.71	0	0	NO	459.71	0	0	No
ST-STR-542	Outlet	458.209	458.407	0	458.21	0	0	No	458.21	0	0	NO	458.21	0	0	No
ST-STR-543	Headwall	465.837	466.298	0	465.84	0	0	No	465.84	0	0	NO	465.84	0	0	No
ST-STR-544	Inlet	420.677	425.177	4.5	420.87	0.27	1.18	No	421.02	0.46	4.02	NO	422.3	0.02	9.84	No
ST-STR-545	Inlet	416.881	424.881	8	418.53	0.45	39.43	No	419.17	0.78	69.7	NO	421.93	0.035	126.74	No
ST-STR-546	Inlet	415.701	427.701	12	417.45	15.01	54.1	No	418.09	26.91	91.21	NO	420.52	2.48	164.4	No
ST-STR-547	Inlet	415	427.361	12.361	416.67	1.21	55.15	No	417.3	2.03	92.44	NO	419.5	0.121	166.42	No
ST-STR-548	Inlet	413.6	420.6	7	415.48	1.83	56.9	No	416.18	3.31	94.5	NO	417.96	0.201	169.99	No
ST-STR-549	Inlet	425.948	429.948	4	427.08	17.63	17.63	No	430.09	31.21	31.21	YES	430.25	3.47	55.97	Yes
ST-STR-55	Headwall	317.128	317.128	0	322.49	0	528.97	Yes	323.22	0	926.5	YES	323.82	0	1127.39	Yes
ST-STR-550	Inlet	420.074	425.324	5.25	420.42	1.73	3.16	No	420.55	3.08	6.03	NO	422.56	0.172	11.12	No
ST-STR-551	Inlet	417.728	424.728	7	419.33	3.99	26.91	No	419.85	7.26	41.99	NO	422.5	0.49	66.28	No
ST-STR-552	Connector	438.867	438.867	0	439.11	0.93	0.93	Yes	439.23	2.06	2.06	YES	439.37	0.181	4.08	Yes
ST-STR-553	Headwall	434	434.522	0.522	434.45	1.36	1.36	No	434.66	2.36	2.36	YES	434.99	0.141	3.92	Yes

Proposed Condition Junctions Results Summary Table

	Dimensions				2-year				10-year				100-year			
Facility ID	Type	Invert Elevation (feet)	Rim Elevation (feet)	Depth (feet)	Max. HGL (2-year) (feet)	Max. Lateral Inflow (2-year) (cfs)	Max. Total Inflow (2-year) (cfs)	Surcharging (2-year)	Max. HGL (10-year) (feet)	Max. Lateral Inflow (10-year) (cfs)	Max. Total Inflow (10-year) (cfs)	Surcharging (10-year)	Max. HGL (100-year) (feet)	Max. Lateral Inflow (100-year) (cfs)	Max. Total Inflow (100-year) (cfs)	Surcharging (100-year)
ST-STR-554	Connector	434.401	434.401	0	434.81	0	0.03	Yes	434.83	0	0.05	YES	434.85	0	0.13	Yes
ST-STR-555	Other	437.078	437.458	0	437.63	4.97	4.97	Yes	437.66	8.95	9.64	YES	437.7	0.543	16.83	Yes
ST-STR-556	Connector	437.244	437.244	0	437.64	2.35	2.4	Yes	437.71	4.16	4.16	YES	437.83	0.248	7.01	Yes
ST-STR-557	Inlet	440.5	443.025	2.525	440.76	0.26	2.59	No	440.91	0.45	4.62	NO	441.09	0.019	7.74	No
ST-STR-558	Inlet	441.912	446.412	4.5	442.44	2.35	2.35	No	442.62	4.2	4.2	NO	442.86	0.245	7.07	No
ST-STR-559	Inlet	436.596	439.596	3	437.82	0.5	11.37	No	439.7	0.76	20.12	YES	439.77	0.033	29.55	Yes
ST-STR-56	Other	404.183	406.01	0	404.18	0	0	No	404.18	0	0	NO	404.18	0	0	No
ST-STR-560	Inlet	436.995	440.495	3.5	438.14	10.89	10.89	No	440.15	19.29	19.29	NO	440.71	1.98	34.34	Yes
ST-STR-561	Inlet	479.458	482.128	2.67	479.46	0	0	No	479.46	0	0	NO	479.46	0	0	No
ST-STR-562	Inlet	478.195	482.195	4	478.74	3.4	3.71	No	479.02	6.11	6.82	NO	482.27	0.384	11.73	Yes
ST-STR-563	Outlet	468.79	468.79	0	468.96	0	3.7	Yes	469.01	0	6.79	YES	469.04	0	9.32	Yes
ST-STR-564	Other	491.857	491.857	0	492.02	0.56	0.56	Yes	492.07	1	1	YES	492.13	0.042	1.61	Yes
ST-STR-565	Inlet	430.381	433.881	3.5	431.16	0	5.69	No	434.01	0	10.43	YES	434.1	0	18.05	Yes
ST-STR-566	Inlet	435.311	438.641	3.33	438.71	0	4.05	Yes	438.75	0	7.7	YES	438.81	0	14.49	Yes
ST-STR-567	Connector	448.005	448.005	0	448.1	0.98	11.77	Yes	448.13	1.71	18.03	YES	448.16	0.1	24.63	Yes
ST-STR-568	Connector	449.534	449.927	0	449.86	15.42	15.51	No	449.95	27.77	27.77	YES	450.07	2.63	50.56	Yes
ST-STR-569	Other	424.212	424.212	0	424.21	0	0	No	424.21	0	0	NO	424.21	0	0	No
ST-STR-57	Connector	408.446	408.446	0	408.45	0	0	Yes	408.45	0	0	YES	408.45	0	0	Yes
ST-STR-570	Inlet	407.032	411.032	4	408.6	13.93	20.25	No	410.31	25.01	33.1	NO	411.56	2.04	50.29	Yes
ST-STR-571	Inlet	406.5	411.09	4.59	408.32	3.53	23.32	No	410.13	6.41	38.19	NO	411.51	0.47	55.45	Yes
ST-STR-572	Inlet	405.8	411.162	5.362	408.01	2.7	25.8	No	409.71	4.72	55.32	NO	411.81	0.245	86.25	Yes
ST-STR-573	Inlet	405.55	411.55	6	407.91	1.14	85.36	No	409.24	2.02	154.02	NO	411.37	0.109	176.72	No
ST-STR-574	Inlet	407.387	413.387	6	409.88	3.07	40.47	No	413.87	5.36	65.72	YES	414.21	0.265	113.36	Yes
ST-STR-575	Inlet	397.156	403.656	6.5	399.79	4.62	93.55	No	402.54	8.07	168.78	NO	404.79	0.533	200.64	Yes
ST-STR-576	Inlet	396.863	403.863	7	399.55	0.26	98.68	No	402.06	0.43	180.35	NO	404.6	0.019	206.41	Yes
ST-STR-577	Inlet	424.217	430.217	6	424.9	0.22	18.13	No	425.13	0.35	32.45	NO	425.46	0.016	57.67	No
ST-STR-578	Inlet	424.947	430.947	6	425.41	4.77	4.77	No	425.58	8.54	8.54	NO	425.84	0.702	15.18	No
ST-STR-579	Inlet	411.435	414.935	3.5	414.13	0	0	No	414.57	0	0	NO	414.83	0	0	No
ST-STR-58	Headwall	344.859	344.892	0	345.69	0	66.47	Yes	346.03	0	103.79	YES	346.46	0	168.65	Yes
ST-STR-580	Inlet	418.362	424.362	6	420.01	7.64	27.03	No	420.77	13.14	49.45	NO	421.46	0.77	86.54	No
ST-STR-581	Inlet	418.22	424.22	6	419.21	0.9	27.85	No	419.63	1.59	55.6	NO	420.53	0.095	98.75	No
ST-STR-582	Inlet	430.026	436.026	6	430.86	9.17	13.81	No	431.11	16.37	22.79	NO	431.5	1.38	38.71	No
ST-STR-583	Inlet	428.532	434.032	5.5	429.34	2.19	19.13	No	429.67	3.68	35.7	NO	430.15	0.22	62.94	No
ST-STR-584	Inlet	432.277	438.277	6	432.83	13.15	13.15	No	433.02	23.59	23.59	NO	433.27	1.96	42.02	No
ST-STR-585	Other	440.024	443.024	3	442.17	0.29	0.29	No	442.18	0.44	0.44	NO	442.18	0.018	0.67	No
ST-STR-586	Other	439.703	439.703	0	439.82	0.22	0.22	Yes	439.84	0.35	0.35	YES	439.87	0.016	0.54	Yes
ST-STR-587	Outlet	437.637	437.637	0	437.68	0	0.24	Yes	437.69	0	0.36	YES	437.71	0	0.7	Yes
ST-STR-588	Inlet	460.531	470.031	9.5	461.58	0.16	30.04	No	461.96	0.27	54.14	NO	462.42	0.011	79.36	No
ST-STR-589	Inlet	448.857	452.357	3.5	450.47	1.62	35.21	No	451.07	3	62.56	NO	452.44	0.186	100.09	Yes
ST-STR-59	Headwall	385.539	387.235	0	385.58	0	2.85	No	385.59	0	4.81	NO	385.61	0	7.96	No
ST-STR-590	Inlet	449.3	453.3	4	450.51	5.86	5.86	No	451.11	10.5	10.5	NO	452.53	0.627	17.78	No
ST-STR-591	Inlet	464.836	469.336	4.5	465.78	0.18	28.19	No	466.13	0.27	49.61	NO	466.95	0.012	78.58	No
ST-STR-592	Inlet	461.021	465.521	4.5	462.8	0.21	28.36	No	463.53	0.32	49.87	NO	464.58	0.014	78.99	No
ST-STR-593	Inlet	465.807	470.307	4.5	467.19	11.21	28.08	No	467.97	20.09	49.58	NO	469.7	1.49	78.51	No
ST-STR-594	Inlet	505.673	508.673	3	505.67	0	0	No	505.67	0	0	NO	505.67	0	0	No
ST-STR-595	Inlet	505	508.709	3.709	505	0	0	No	505	0	0	NO	505	0	0	No
ST-STR-596	Other	510.098	510.098	0	510.1	0	0	Yes	510.1	0	0	YES	510.1	0	0	Yes

Proposed Condition Junctions Results Summary Table

	Dimensions				2-year				10-year				100-year			
Facility ID	Type	Invert Elevation (feet)	Rim Elevation (feet)	Depth (feet)	Max. HGL (2-year) (feet)	Max. Lateral Inflow (2-year) (cfs)	Max. Total Inflow (2-year) (cfs)	Surcharging (2-year)	Max. HGL (10-year) (feet)	Max. Lateral Inflow (10-year) (cfs)	Max. Total Inflow (10-year) (cfs)	Surcharging (10-year)	Max. HGL (100-year) (feet)	Max. Lateral Inflow (100-year) (cfs)	Max. Total Inflow (100-year) (cfs)	Surcharging (100-year)
ST-STR-597	Outlet	486.593	486.593	0	486.59	0	0	No	486.59	0	0	NO	486.66	0	0.17	Yes
ST-STR-598	Inlet	501.847	506.347	4.5	502.19	2.17	2.17	No	502.31	3.88	3.88	NO	502.46	0.228	6.55	No
ST-STR-599	Inlet	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-6	Cleanout/Manhole	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-60	Headwall	373.308	373.308	0	373.69	0	1.97	Yes	373.7	0	3.28	YES	373.72	0	5.22	Yes
ST-STR-600	Inlet	493.811	498.311	4.5	494.63	1.59	8.01	No	495.03	2.9	13.84	NO	498.69	0.184	20.13	Yes
ST-STR-601	Inlet	488.673	493.173	4.5	489.54	1.73	9.56	No	490.41	3.12	16.54	NO	493.16	0.192	20.09	No
ST-STR-602	Inlet	484.251	488.751	4.5	485.25	3.73	13.01	No	485.67	6.75	22.49	NO	486.14	0.467	30.37	No
ST-STR-603	Inlet	473.845	478.345	4.5	474.73	2.5	17.71	No	475.04	4.1	30.9	NO	475.4	0.176	45.34	No
ST-STR-604	Inlet	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-605	Other	434.677	436.677	2	434.68	0	0	No	434.68	0	0	NO	434.68	0	0	No
ST-STR-606	Inlet	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-607	Inlet	509.211	512.211	3	509.28	0.13	0.13	No	509.3	0.23	0.23	NO	509.32	0.009	0.36	No
ST-STR-608	Inlet	415.315	420.315	5	415.8	6.23	6.42	No	415.96	11.03	11.37	NO	416.17	0.619	18.95	No
ST-STR-609	Inlet	407.62	411.667	4.047	408.31	1.46	12.87	No	408.53	2.23	22.25	NO	408.8	0.092	38.79	No
ST-STR-61	Discharge	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-610	Inlet	411.2	415.402	4.202	411.67	4.8	4.94	No	411.81	8.12	8.42	NO	412.12	0.554	18.3	No
ST-STR-611	Inlet	399.39	403.352	3.962	400.6	8.67	58.92	No	401.12	14.35	100.06	NO	403.57	0.863	174.3	Yes
ST-STR-612	Inlet	401.63	405.352	3.722	402.21	2.49	15.39	No	402.39	4.18	26.75	NO	403.29	0.211	58.02	No
ST-STR-613	Inlet	396.45	401.54	5.09	398.31	8.72	75.2	No	399.39	15.35	129.39	NO	401.75	0.958	217.31	Yes
ST-STR-614	Inlet	393.384	399.884	6.5	397.64	0.41	224.27	No	398.29	0.65	335.2	NO	399.44	0.032	439.59	No
ST-STR-615	Inlet	392.191	398.691	6.5	397.6	3.02	258	No	397.98	4.73	339.19	NO	398.98	0.215	450.14	Yes
ST-STR-616	Inlet	392	402.342	10.342	396.56	0.51	255.09	No	397.66	0.81	338.66	NO	398.04	0.04	451.02	No
ST-STR-617	Inlet	391.7	402.531	10.831	396.42	3.55	272.69	No	397.29	5.69	364.21	NO	397.86	0.281	459.44	No
ST-STR-618	Inlet	442.511	447.011	4.5	442.86	2.5	3.12	No	442.96	4.14	5.19	NO	443.08	0.193	8.23	No
ST-STR-619	Inlet	442.608	447.108	4.5	442.93	0.63	0.63	No	443.03	1.06	1.06	NO	443.14	0.043	1.67	No
ST-STR-62	Discharge	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-620	Inlet	440.846	445.346	4.5	441.08	0.28	3.41	No	441.15	0.48	5.67	NO	441.23	0.023	8.99	No
ST-STR-621	Inlet	431.523	438.023	6.5	434.84	5	117.08	No	436.13	8.31	162.1	NO	436.98	0.388	178.7	No
ST-STR-622	Inlet	397.02	399.763	2.743	398.73	4.67	138.61	No	399.35	7.71	195.6	NO	400.49	0.436	238.45	Yes
ST-STR-623	Inlet	397.528	401.028	3.5	398.78	5.61	5.73	No	399.68	9.34	9.56	NO	401.05	0.446	15.35	Yes
ST-STR-624	Inlet	411.5	418.354	6.854	412.83	16.22	33.73	No	413.42	28.02	56.4	NO	417.3	2.04	125.31	No
ST-STR-625	Inlet	410.5	418.136	7.636	412.06	4.06	45.25	No	412.77	6.66	77.66	NO	415.46	0.351	146.12	No
ST-STR-626	Inlet	421.226	425.726	4.5	421.65	0	0.02	No	421.97	0	0.03	NO	425.83	0	4.36	Yes
ST-STR-627	Inlet	426.976	431.476	4.5	427.8	0.36	6.44	No	428.11	0.56	10.79	NO	431.48	0.023	17.38	Yes
ST-STR-628	Outlet	440.164	440.164	0	440.16	0	0	No	440.16	0	0	NO	440.16	0	0	No
ST-STR-629	Inlet	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-63	Discharge	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-630	Outlet	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-631	Outlet	438.335	438.335	0	438.33	0	0	No	438.33	0	0	NO	438.33	0	0	No
ST-STR-632	Inlet	431.235	443.493	3.67	434.92	0.81	0.81	No	434.92	1.29	1.29	NO	434.93	0.057	2.01	No
ST-STR-633	Outlet	450.532	450.532	0	450.53	0	0	No	450.53	0	0	NO	450.53	0	0	No
ST-STR-634	Inlet	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-635	Inlet	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-636	Inlet	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-637	Inlet	439.214	444.214	5	440.34	11.91	14.7	No	440.79	20.02	25.58	NO	441.55	1.16	43.73	No
ST-STR-638	Inlet	438.692	444.692	6	439.75	0.77	15.43	No	440.1	1.27	26.81	NO	440.6	0.079	47.52	No

Proposed Condition Junctions Results Summary Table

	Dimensions				2-year				10-year				100-year			
Facility ID	Type	Invert Elevation (feet)	Rim Elevation (feet)	Depth (feet)	Max. HGL (2-year) (feet)	Max. Lateral Inflow (2-year) (cfs)	Max. Total Inflow (2-year) (cfs)	Surcharging (2-year)	Max. HGL (10-year) (feet)	Max. Lateral Inflow (10-year) (cfs)	Max. Total Inflow (10-year) (cfs)	Surcharging (10-year)	Max. HGL (100-year) (feet)	Max. Lateral Inflow (100-year) (cfs)	Max. Total Inflow (100-year) (cfs)	Surcharging (100-year)
ST-STR-639	Outlet	469.653	469.653	0	469.65	0	0	No	469.65	0	0	NO	469.65	0	0	No
ST-STR-64	Headwall	413.253	419.159	0	415.79	6.06	6.86	No	415.8	9.93	11.57	NO	415.82	0.533	19.39	No
ST-STR-640	Inlet	464.829	469.329	4.5	465.59	15.77	15.77	No	465.96	28.34	28.34	NO	469.45	1.96	49.29	Yes
ST-STR-641	Inlet	437.454	441.954	4.5	437.96	9.69	9.99	No	438.13	16.95	17.58	NO	438.37	1.08	29.81	No
ST-STR-642	Inlet	443.671	448.171	4.5	444.42	8.68	8.68	No	444.67	14.49	14.49	NO	446.88	0.759	23.6	No
ST-STR-643	Inlet	439.602	444.602	5	440.9	0.59	12.63	No	442.08	0.92	21.78	NO	444.42	0.039	31.19	No
ST-STR-644	Inlet	444.673	448.673	4	444.88	0.74	0.74	No	444.94	1.2	1.2	NO	446.71	0.065	1.93	No
ST-STR-645	Inlet	444	449.117	5.117	444.67	0.35	3.03	No	444.88	0.56	4.97	NO	446.43	0.027	7.79	No
ST-STR-646	Inlet	444.271	448.771	4.5	444.96	2.69	2.69	No	445.19	4.44	4.44	NO	446.7	0.247	7.23	No
ST-STR-647	Inlet	442.117	446.617	4.5	442.58	0.05	3.05	No	442.74	0.07	5.03	NO	445.44	0.003	7.28	No
ST-STR-648	Inlet	445.677	449.677	4	445.85	0.65	0.65	No	445.91	1.1	1.1	NO	446.08	0.057	1.78	No
ST-STR-649	Inlet	445.69	450.69	5	446.7	1.05	16.91	No	447.15	1.68	32.27	NO	447.37	0.077	39.51	No
ST-STR-65	Connector	434.447	434.447	0	434.52	0	1.36	Yes	434.54	0	2.33	YES	434.58	0	3.88	Yes
ST-STR-650	Inlet	454.769	459.769	5	455.76	7.37	16.05	No	456.35	12.62	30.7	NO	459.94	0.802	50.12	Yes
ST-STR-651	Inlet	456.383	461.383	5	457	0.13	9.33	No	457.32	0.19	18.92	NO	460.61	0.008	38.29	No
ST-STR-652	Inlet	437.936	441.606	3.67	441.81	20.39	22.8	Yes	441.81	20.39	22.8	YES	441.81	0.741	22.8	Yes
ST-STR-653	Inlet	436.406	440.906	4.5	439.64	0.17	0.17	No	439.97	0.26	0.26	NO	440.3	0.012	0.41	No
ST-STR-654	Inlet	437	440.918	3.918	439.67	9.86	38.59	No	440.09	16.61	69.59	NO	440.53	0.993	96.56	No
ST-STR-655	Inlet	429.206	434.706	5.5	429.34	0.72	0.72	No	431.09	1.14	9.52	NO	431.12	0.05	9.74	No
ST-STR-656	Inlet	434.521	439.021	4.5	435.3	11.06	11.06	No	436.66	19.54	19.54	NO	439.82	2.03	34.68	Yes
ST-STR-657	Inlet	425.87	434.373	8.503	428.43	8.36	61.45	No	431.5	14.47	166.88	NO	431.6	0.973	183.35	No
ST-STR-658	Inlet	425.5	434.527	9.027	428.28	7.48	79.41	No	430.45	12.71	214.85	NO	430.73	0.774	226.24	No
ST-STR-659	Inlet	433.344	437.344	4	435.75	11.84	11.84	No	437.36	20.35	20.35	YES	437.83	1.97	41.16	Yes
ST-STR-66	Headwall	387.049	387.809	0.76	387.86	0	8.04	Yes	388.12	0	13.26	YES	388.47	0	23.25	Yes
ST-STR-660	Inlet	432.747	436.747	4	435.7	4.47	36.16	No	437.16	7.58	75.85	YES	437.12	0.593	109.16	Yes
ST-STR-661	Inlet	448.232	450.062	1.83	448.23	0	0	No	448.23	0	0	NO	448.23	0	0	No
ST-STR-662	Outlet	447.818	447.818	0	447.82	0	0	Yes	447.82	0	0	YES	447.82	0	0	Yes
ST-STR-663	Inlet	494.373	500.373	6	494.54	1.02	1.02	No	494.58	1.67	1.67	NO	494.64	0.083	2.67	No
ST-STR-664	Inlet	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-665	Inlet	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-666	Other	451.96	452.96	1	453.02	6.14	6.14	Yes	453.1	10.77	10.77	YES	453.19	0.824	18.47	Yes
ST-STR-667	Inlet	430.296	434.796	4.5	430.51	0.54	0.73	No	430.6	0.98	1.42	NO	431.97	0.045	2.44	No
ST-STR-668	Inlet	433.591	438.091	4.5	434.13	4.07	4.07	No	434.31	6.85	6.85	NO	434.6	0.358	11.21	No
ST-STR-669	Inlet	428.569	431.569	3	429.31	7.52	7.52	No	429.63	13	13	NO	430.38	1.04	22.67	No
ST-STR-67	Headwall	404.179	404.179	0	404.79	0	58.08	Yes	404.88	0	73.96	YES	404.98	0	94.18	Yes
ST-STR-670	Inlet	433.62	437.62	4	433.74	0.2	0.2	No	433.8	0.46	0.46	NO	433.87	0.022	0.88	No
ST-STR-671	Headwall	427.256	429.756	2.5	428.4	0.89	0.89	No	428.74	1.58	1.58	NO	429.18	0.093	2.67	No
ST-STR-672	Headwall	426.8	427.849	1.049	428.23	0.19	13.25	Yes	428.43	0.31	22.96	YES	428.65	0.012	36.82	Yes
ST-STR-673	Inlet	414.454	418.454	4	415.53	16.95	16.95	No	415.95	29.79	29.79	NO	417.14	2.61	53.71	No
ST-STR-674	Headwall	397.703	400.203	2.5	400.28	2.91	28.15	Yes	401.16	4.92	42.92	YES	401.88	0.292	54.88	Yes
ST-STR-675	Inlet	394.557	401.557	7	396.84	2.37	113.94	No	398.95	4	206.38	NO	401.43	0.258	287.58	No
ST-STR-676	Inlet	393.891	401.391	7.5	396.1	5.71	117.96	No	398.41	9.61	213.68	NO	400.48	0.549	311.39	No
ST-STR-677	Inlet	437.133	441.633	4.5	437.68	2.06	2.06	No	437.86	3.58	3.58	NO	438.1	0.189	5.87	No
ST-STR-678	Inlet	436.654	440.904	4.25	437.07	2.23	4.25	No	437.21	3.88	7.4	NO	437.38	0.209	12.16	No
ST-STR-679	Outlet	423.32	423.32	0	423.42	0	5.1	Yes	423.46	0	8.72	YES	423.52	0	15.39	Yes
ST-STR-68	Headwall	391.539	391.539	0	391.82	0	2.07	Yes	391.91	0	3.31	YES	392.01	0	5.24	Yes
ST-STR-680	Inlet	423.931	428.181	4.25	424.65	0.91	5.11	No	424.92	1.48	8.81	NO	425.37	0.072	14.4	No

Proposed Condition Junctions Results Summary Table

	Dimensions				2-year				10-year				100-year			
Facility ID	Type	Invert Elevation (feet)	Rim Elevation (feet)	Depth (feet)	Max. HGL (2-year) (feet)	Max. Lateral Inflow (2-year) (cfs)	Max. Total Inflow (2-year) (cfs)	Surcharging (2-year)	Max. HGL (10-year) (feet)	Max. Lateral Inflow (10-year) (cfs)	Max. Total Inflow (10-year) (cfs)	Surcharging (10-year)	Max. HGL (100-year) (feet)	Max. Lateral Inflow (100-year) (cfs)	Max. Total Inflow (100-year) (cfs)	Surcharging (100-year)
ST-STR-681	Inlet	389.992	398.992	9	391.96	1.82	1.82	No	394.24	2.93	13.83	NO	396.88	0.157	14.73	No
ST-STR-682	Connector	389.5	398.261	8.761	394.49	0	152.71	No	397.1	0	267.66	NO	398.45	0	356.37	Yes
ST-STR-683	Inlet	393.458	398.958	5.5	393.77	3.06	3.2	No	393.99	5.31	8.71	NO	397.28	0.443	29.4	No
ST-STR-684	Inlet	390.694	395.194	4.5	391.26	1.31	1.51	No	393.99	2.1	3.11	NO	395.77	0.108	14.7	Yes
ST-STR-685	Inlet	390.146	394.646	4.5	390.75	7.96	8	No	393.72	14.11	14.18	NO	395.72	0.95	28.5	Yes
ST-STR-686	Inlet	387.21	394.71	7.5	389.82	0.41	162.8	No	393.26	0.64	286.33	NO	395.24	0.028	355.49	Yes
ST-STR-687	Inlet	384.5	390.957	6.457	387.16	0.74	180.4	No	389.9	1.2	311.2	NO	392.39	0.063	371.94	Yes
ST-STR-688	Inlet	387.103	391.603	4.5	388.23	15.86	17.17	No	392.05	28.28	30.73	YES	392.57	2.68	57.87	Yes
ST-STR-689	Connector	390.3	397.54	7.24	394.65	0	152.02	No	397.55	0	266.76	YES	399.02	0	318.87	Yes
ST-STR-690	Inlet	394	396.967	2.967	395.27	4.31	45.56	No	397.86	7.23	71.27	YES	399.11	0.403	84.32	Yes
ST-STR-691	Inlet	390.415	396.915	6.5	394.69	3.04	152.21	No	397.63	5.15	274.42	YES	399.04	0.321	388.26	Yes
ST-STR-692	Inlet	398.776	403.776	5	400.31	9.52	40.17	No	402.21	15.58	66.17	NO	404.19	0.797	83.31	Yes
ST-STR-693	Inlet	395.816	399.816	4	397.66	1.95	41.81	No	399.01	3.17	66.15	NO	400.69	0.149	71.89	Yes
ST-STR-694	Inlet	412.26	417.26	5	413.51	4.47	4.47	No	414.02	7.14	7.14	NO	417.46	0.355	11.38	Yes
ST-STR-695	Headwall	440.437	440.437	0	440.9	5.66	5.66	Yes	441.05	9.77	9.77	YES	441.31	0.732	16.61	Yes
ST-STR-696	Other	441.482	441.482	0	441.96	5.06	5.06	Yes	441.98	9.01	9.01	YES	442.02	0.556	15.3	Yes
ST-STR-697	Inlet	431.118	436.618	5.5	432.19	0.59	19.84	No	432.57	0.97	32.38	NO	436.3	0.062	42.98	No
ST-STR-698	Inlet	430.498	436.498	6	431.56	1.37	21.09	No	431.99	2.26	34.31	NO	435.97	0.132	45.94	No
ST-STR-699	Inlet	431.753	436.253	4.5	432.56	6.6	19.3	No	432.87	11.53	31.54	NO	436.38	0.829	44.9	Yes
ST-STR-7	Cleanout/Manhole	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-70	Other	465.037	465.525	0	465.04	0	0	No	465.04	0	0	NO	465.04	0	0	No
ST-STR-700	Inlet	419.201	424.201	5	420.32	7.17	27.96	No	420.71	12.35	45.89	NO	422.86	0.957	62.16	No
ST-STR-701	Inlet	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-702	Headwall	451.132	451.132	0	451.13	0	0	No	451.13	0	0	NO	451.13	0	0	No
ST-STR-703	Inlet	441.836	448.836	7	442.92	0.22	14.61	No	444.79	0.37	24.94	NO	445.61	0.016	28.23	No
ST-STR-704	Inlet	445.493	449.493	4	445.96	4.09	4.09	No	446.72	7.32	7.32	NO	449.89	0.464	12.51	Yes
ST-STR-705	Inlet	447.618	452.118	4.5	447.95	1.42	1.42	No	448.06	2.52	2.52	NO	448.18	0.127	4.14	No
ST-STR-706	Inlet	442.611	445.611	3	443.61	7.83	9.2	No	445.3	14.04	16.5	NO	445.95	1.18	29.1	Yes
ST-STR-707	Headwall	448.672	448.672	0	449.21	1.23	1.23	Yes	449.54	2.13	2.13	YES	449.7	0.098	3.41	Yes
ST-STR-708	Inlet	436.799	440.299	3.5	440.93	2.91	9.54	Yes	441.01	5.23	17.21	YES	441.1	0.317	24.42	Yes
ST-STR-709	Inlet	437.292	440.292	3	440.94	3.92	6.13	Yes	441.02	7.07	11.34	YES	441.11	0.448	17.37	Yes
ST-STR-71	Headwall	395.898	395.898	0	395.92	0	2.01	Yes	395.93	0	3.34	YES	395.94	0	5.54	Yes
ST-STR-710	Inlet	422.292	426.292	4	422.64	1.87	1.87	No	422.77	3.36	3.36	NO	422.95	0.192	5.66	No
ST-STR-711	Inlet	398.03	403.53	5.5	404.5	17.33	48.57	Yes	405.09	30.67	65.42	YES	405.37	2.19	101.32	Yes
ST-STR-712	Inlet	397.69	403.69	6	404.48	0.18	49.88	Yes	404.99	0.28	65.42	YES	405.34	0.012	88	Yes
ST-STR-713	Inlet	415.29	420.79	5.5	416.28	3.62	21.73	No	416.67	6.24	38.67	NO	417.32	0.368	61.63	No
ST-STR-714	Inlet	437.586	442.086	4.5	438.22	5.9	5.9	No	438.49	10.6	10.6	NO	439.16	0.608	17.86	No
ST-STR-715	Inlet	436.72	441.72	5	437.49	0.76	18.45	No	437.8	1.25	32.98	NO	438.18	0.073	51.81	No
ST-STR-716	Inlet	440.396	444.896	4.5	440.79	2.6	2.6	No	441.06	4.57	4.57	NO	441.57	0.227	7.44	No
ST-STR-717	Inlet	439.5	444.5	5	440.55	0.21	12.3	No	440.96	0.33	21.9	NO	441.42	0.016	32.65	No
ST-STR-718	Inlet	445.064	450.064	5	446.07	6.53	9.68	No	446.57	11.72	17.31	NO	450.14	0.748	27.25	Yes
ST-STR-719	Inlet	446.5	450.799	4.299	447.05	3.21	3.21	No	447.33	5.78	5.78	NO	451.13	0.394	10.04	Yes
ST-STR-72	Other	401.528	401.528	0	401.64	8.44	8.44	Yes	401.68	14.12	14.12	YES	401.73	0.76	22.91	Yes
ST-STR-720	Inlet	454.786	458.286	3.5	455.81	0.73	2.21	No	456.52	1.27	3.87	NO	457.89	0.068	6.43	No
ST-STR-721	Inlet	455.071	458.571	3.5	455.84	1.51	1.51	No	456.58	2.66	2.66	NO	458.07	0.149	4.44	No
ST-STR-722	Inlet	454.5	459.083	4.583	455.71	0.92	3.02	No	456.21	1.66	5.39	NO	456.99	0.084	8.91	No
ST-STR-723	Inlet	455.025	457.025	2	457.48	5.64	5.64	Yes	457.53	9.97	9.97	YES	457.59	0.692	17.08	Yes

Proposed Condition Junctions Results Summary Table

	Dimensions				2-year				10-year				100-year			
Facility ID	Type	Invert Elevation (feet)	Rim Elevation (feet)	Depth (feet)	Max. HGL (2-year) (feet)	Max. Lateral Inflow (2-year) (cfs)	Max. Total Inflow (2-year) (cfs)	Surcharging (2-year)	Max. HGL (10-year) (feet)	Max. Lateral Inflow (10-year) (cfs)	Max. Total Inflow (10-year) (cfs)	Surcharging (10-year)	Max. HGL (100-year) (feet)	Max. Lateral Inflow (100-year) (cfs)	Max. Total Inflow (100-year) (cfs)	Surcharging (100-year)
ST-STR-724	Inlet	451.253	454.253	3	454.33	4.02	6.62	Yes	454.39	7.23	13	YES	454.45	0.493	22.33	Yes
ST-STR-725	Inlet	437.324	439.824	2.5	439.48	3.71	3.71	No	439.58	6.73	6.73	NO	439.64	0.438	11.67	No
ST-STR-726	Inlet	434.395	440.895	6.5	434.46	0.06	0.06	No	434.48	0.09	0.09	NO	434.5	0.003	0.15	No
ST-STR-727	Inlet	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-728	Headwall	442.035	442.035	0	443.03	4.32	4.36	Yes	443.57	7.91	8.01	YES	444.41	0.398	13.27	Yes
ST-STR-729	Outlet	437.61	437.61	0	437.91	0	3.48	Yes	437.96	0	6.71	YES	438.02	0	10.94	Yes
ST-STR-73	Headwall	495.41	495.41	0	495.63	0	0.32	Yes	495.71	0	0.56	YES	495.85	0	1.71	Yes
ST-STR-730	Other	464.611	464.611	0	464.72	0.28	0.28	Yes	464.75	0.46	0.46	YES	464.78	0.02	0.72	Yes
ST-STR-731	Outlet	454.901	454.901	0	455.1	0	0.27	Yes	455.11	0	0.44	YES	455.12	0	0.7	Yes
ST-STR-732	Other	461.249	461.249	0	461.3	1.52	1.52	Yes	461.32	2.86	2.86	YES	461.35	0.14	4.73	Yes
ST-STR-733	Inlet	448.15	451.022	2.872	450.07	2.72	3.28	No	450.94	4.83	4.95	NO	451.06	0.285	8.12	Yes
ST-STR-734	Inlet	448.3	450.801	2.501	450.08	0.58	0.58	No	450.93	0.99	0.99	YES	450.98	0.05	3.62	Yes
ST-STR-735	Inlet	445.428	448.928	3.5	449.6	3.71	7.82	Yes	449.73	6.55	9.99	YES	449.81	0.387	14.49	Yes
ST-STR-736	Inlet	446.507	449.507	3	449.77	7.09	7.09	Yes	449.83	12.54	12.54	YES	449.9	0.813	21.33	Yes
ST-STR-737	Inlet	445.043	449.043	4	449.36	0.38	7.91	Yes	449.38	0.63	9.82	YES	449.39	0.03	11.06	Yes
ST-STR-738	Inlet	444.5	448.323	3.823	445.27	1.67	10.29	No	445.73	2.91	24.07	NO	445.98	0.205	32.81	No
ST-STR-739	Headwall	446.74	447.601	0	448.43	0.94	7.44	Yes	448.6	1.67	12.32	YES	448.61	0.085	17.8	Yes
ST-STR-74	Headwall	491.421	491.421	0	491.57	0	1.78	Yes	495.71	0	14.56	YES	500.66	0	41.26	Yes
ST-STR-740	Inlet	446.628	450.128	3.5	447.07	2.37	2.37	No	447.24	4.09	4.09	NO	447.42	0.271	6.83	No
ST-STR-742	Inlet	447.356	447.356	0	448.46	0	2.09	Yes	448.68	0	4.12	YES	448.77	0	6.27	Yes
ST-STR-743	Headwall	432.406	435.906	3.5	432.41	0	0	No	432.41	0	0	NO	432.41	0	0	No
ST-STR-744	Headwall	416.473	419.473	3	416.59	2.85	2.85	No	416.63	4.81	4.81	NO	416.68	0.244	7.73	No
ST-STR-745	Headwall	457.826	457.826	0	459.84	5.95	5.95	Yes	459.87	10.74	10.74	YES	459.9	0.85	19.15	Yes
ST-STR-746	Other	450.207	450.207	0	450.3	0.22	0.22	Yes	450.32	0.36	0.36	YES	450.34	0.015	0.57	Yes
ST-STR-747	Other	464.582	464.582	0	464.62	0.4	0.4	Yes	464.63	0.74	0.74	YES	464.65	0.033	1.2	Yes
ST-STR-748	Outlet	460.446	460.446	0	460.52	0	0.01	Yes	460.52	0	0.02	YES	460.52	0	0.03	Yes
ST-STR-749	Inlet	444.367	447.867	3.5	445.09	4.89	4.89	No	445.36	8.78	8.79	NO	445.75	0.455	14.53	No
ST-STR-75	Inlet	462.854	468.354	5.5	464.04	2.42	36.31	No	468.36	3.88	120.14	YES	468.81	0.19	164.17	Yes
ST-STR-750	Inlet	445.726	449.976	4.25	445.83	0.49	0.49	No	445.86	0.82	0.82	NO	445.9	0.035	1.29	No
ST-STR-751	Inlet	429.445	434.445	5	430.38	8.25	18.54	No	430.79	14.7	33.36	NO	435.13	1.53	47.71	Yes
ST-STR-752	Inlet	429.883	434.883	5	430.94	9.86	10.34	No	431.44	17.56	18.37	NO	435.69	1.73	32.81	Yes
ST-STR-753	Inlet	428.871	432.871	4	429.2	1.58	1.58	No	429.32	2.83	2.83	NO	429.47	0.149	4.69	No
ST-STR-754	Inlet	426.5	431.5	5	427.64	2.48	20.97	No	428.18	4.24	37.29	NO	431.77	0.23	51.13	Yes
ST-STR-755	Other	433.27	433.27	0	433.27	0	0	No	433.27	0	0	NO	433.27	0	0	Yes
ST-STR-756	Inlet	406.56	413.699	7.139	407.85	3.99	37.07	No	408.81	7.21	68.19	NO	410.52	0.393	106.82	No
ST-STR-757	Inlet	433.517	433.517	0	433.52	0	0	Yes	433.52	0	0	YES	433.52	0	0	Yes
ST-STR-758	Inlet	370.026	378.526	8.5	371.32	4	21.32	No	371.91	7.18	39.25	NO	372.76	0.516	68.91	No
ST-STR-759	Inlet	392.715	397.215	4.5	392.98	1.59	1.59	No	393.06	2.84	2.84	NO	393.17	0.161	4.77	No
ST-STR-76	Headwall	391.65	393.886	0	391.66	0.61	0.61	No	391.67	0.92	0.92	NO	391.67	0.04	1.4	No
ST-STR-760	Inlet	390.88	396.88	6	391.55	3.38	17.35	No	391.79	6.16	31.43	NO	392.08	0.32	52.95	No
ST-STR-761	Inlet	340.691	345.191	4.5	341.87	4.79	33.32	No	342.35	8.01	60.29	NO	343.21	0.464	104.31	No
ST-STR-762	Inlet	356.775	362.275	5.5	357.56	6.25	28.96	No	357.85	11.29	52.96	NO	358.23	0.572	91.82	No
ST-STR-763	Inlet	368.536	374.036	5.5	369.47	2.72	23.53	No	369.83	4.87	43.27	NO	370.34	0.256	75.3	No
ST-STR-764	Inlet	404.524	408.524	4	404.59	0.12	0.12	No	404.61	0.19	0.19	NO	404.63	0.006	0.29	No
ST-STR-765	Outlet	376.142	376.142	0	376.18	0	0.12	Yes	376.18	0	0.18	YES	376.19	0	0.28	Yes
ST-STR-766	Inlet	350.206	354.206	4	350.29	0.28	0.28	No	350.31	0.45	0.45	NO	350.33	0.021	0.71	No
ST-STR-767	Inlet	324.775	333.775	9	328.64	1.33	148.32	No	330.9	2.25	301.43	NO	335.14	0.184	640.57	Yes

Proposed Condition Junctions Results Summary Table

	Dimensions				2-year				10-year				100-year			
Facility ID	Type	Invert Elevation (feet)	Rim Elevation (feet)	Depth (feet)	Max. HGL (2-year) (feet)	Max. Lateral Inflow (2-year) (cfs)	Max. Total Inflow (2-year) (cfs)	Surcharging (2-year)	Max. HGL (10-year) (feet)	Max. Lateral Inflow (10-year) (cfs)	Max. Total Inflow (10-year) (cfs)	Surcharging (10-year)	Max. HGL (100-year) (feet)	Max. Lateral Inflow (100-year) (cfs)	Max. Total Inflow (100-year) (cfs)	Surcharging (100-year)
ST-STR-768	Inlet	329.345	335.345	6	330.93	0.45	29.04	No	331.67	0.72	50.58	NO	335.54	0.035	91.3	Yes
ST-STR-769	Inlet	330.774	335.274	4.5	331.55	9.06	9.34	No	332.14	16.01	16.46	NO	335.86	1.16	28.7	Yes
ST-STR-77	Discharge	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-770	Inlet	328.011	334.261	6.25	328.96	0.89	29.88	No	330.97	1.45	52.32	NO	334.66	0.079	86.77	Yes
ST-STR-771	Inlet	324.393	333.393	9	328.64	0.31	170.58	No	330.85	0.48	320.3	NO	334.65	0.022	650.82	Yes
ST-STR-772	Inlet	324.895	333.895	9	328.65	1.34	20.49	No	330.98	2.36	51.05	NO	335.46	0.159	147.18	Yes
ST-STR-773	Inlet	330.3	332.109	1.809	333.34	9.41	19.95	Yes	333.57	16.21	30.49	YES	335.19	0.971	114.33	Yes
ST-STR-774	Inlet	326.975	331.475	4.5	331.72	10.28	82.94	Yes	333.6	17.29	291.11	YES	335.31	0.883	305.01	Yes
ST-STR-775	Inlet	325.466	333.466	8	329.83	3.07	441.01	No	331.98	5.19	654.36	NO	334.98	0.248	692.97	Yes
ST-STR-776	Other	399	399	0	399	0	0	No	399	0	0	NO	399	0	0	Yes
ST-STR-777	Outlet	370.882	370.882	0	370.88	0	0	No	370.88	0	0	NO	370.88	0	0	No
ST-STR-778	Inlet	362.899	366.899	4	363.97	6.24	9.3	No	365.07	11.14	16.54	NO	368.13	0.756	28.42	Yes
ST-STR-779	Inlet	363.316	367.816	4.5	364.01	3.1	3.1	No	365.15	5.51	5.51	NO	368.12	0.364	9.5	Yes
ST-STR-78	Headwall	418.836	418.836	0	419.24	2.83	2.83	Yes	419.35	4.49	4.49	YES	419.5	0.212	7.04	Yes
ST-STR-780	Inlet	376.3	381.8	5.5	377.89	4.89	51.12	No	378.51	8.79	87.7	NO	382.36	0.554	199.98	Yes
ST-STR-781	Inlet	399.731	404.231	4.5	400.03	2.55	2.55	No	400.13	4.52	4.52	NO	400.25	0.244	7.5	No
ST-STR-782	Headwall	383.948	386.948	3	387.49	3.44	42.63	Yes	387.87	6.56	80.39	YES	388.15	0.323	125.9	Yes
ST-STR-783	Inlet	399.593	404.68	5.087	400.91	4.89	40.45	No	401.4	9.05	75.86	NO	401.89	0.666	117.83	No
ST-STR-784	Inlet	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-785	Inlet	420.768	423.768	3	420.95	0.65	0.65	No	421	1.07	1.07	NO	421.07	0.052	1.71	No
ST-STR-786	Inlet	388.848	392.348	3.5	388.85	0	0	No	388.85	0	0	NO	392.37	0	0.43	Yes
ST-STR-787	Inlet	377.131	386.131	9	380.75	6.57	185.02	No	382.24	10.97	316.72	NO	383.96	0.585	469.56	No
ST-STR-788	Inlet	381.03	386.03	5	381.25	1.19	1.19	No	381.32	2.04	2.04	NO	382.24	0.127	3.39	No
ST-STR-789	Inlet	374.125	378.625	4.5	374.69	2.75	2.75	No	376.07	4.86	4.86	NO	377.83	0.275	8.27	No
ST-STR-79	Headwall	454.192	454.234	0	454.38	0	0.72	Yes	454.44	0	1.27	YES	454.51	0	2.1	Yes
ST-STR-790	Inlet	375.234	377.234	2	376.58	3.29	3.29	No	377.74	5.5	5.5	YES	378.16	0.274	32.72	Yes
ST-STR-791	Inlet	372.628	377.128	4.5	374.67	4.41	7.14	No	375.93	7.81	12.54	NO	377.55	0.373	22.06	Yes
ST-STR-792	Inlet	371.628	376.628	5	374.64	3.43	10.4	No	375.79	5.99	18.46	NO	377.13	0.421	34.31	Yes
ST-STR-793	Inlet	359.277	361.277	2	361.83	2.88	2.88	Yes	363.17	4.72	7.44	YES	363.71	0.206	13.05	Yes
ST-STR-794	Headwall	393.3	395.169	1.869	393.99	1.28	1.28	No	394.29	2.26	2.26	NO	395.62	0.114	3.7	Yes
ST-STR-795	Inlet	392.971	395.971	3	393.46	1.79	3.05	No	393.83	3.22	5.46	NO	395.3	0.195	8.03	No
ST-STR-796	Headwall	382.401	385.401	3	383.29	8.34	49.93	No	383.55	14.48	94.29	NO	383.7	0.871	122.41	No
ST-STR-797	Connector	376.515	379.515	3	378	0.17	49.98	No	378.34	0.32	94.24	NO	378.51	0.014	121.89	No
ST-STR-798	Inlet	429.842	432.672	2.83	429.84	0	0	No	429.84	0	0	NO	429.84	0	0	No
ST-STR-799	Outlet	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-8	Cleanout/Manhole	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-800	Outlet	426.564	429.564	3	429.62	0.67	0.67	Yes	429.64	1.15	1.15	YES	429.67	0.056	1.86	Yes
ST-STR-801	Other	427.595	430.595	3	429.62	0	0.16	No	429.64	0	0.02	NO	429.67	0	0.02	No
ST-STR-802	Inlet	427.3	430.233	2.933	427.79	0.66	0.66	No	428	1.18	1.18	NO	428.34	0.064	1.96	No
ST-STR-803	Inlet	427.093	430.093	3	427.77	2.59	3.24	No	427.97	4.61	5.78	NO	428.25	0.311	9.88	No
ST-STR-804	Outlet	426.71	427.304	0.594	426.81	0	3.24	No	426.85	0	5.78	NO	426.89	0	10.01	No
ST-STR-805	Other	438.316	438.316	0	438.7	1.11	1.11	Yes	438.78	1.94	1.94	YES	438.87	0.094	3.14	Yes
ST-STR-806	Inlet	429.872	434.372	4.5	430.35	3.62	6.57	No	430.57	6.48	13.01	NO	431.02	0.537	27.39	No
ST-STR-807	Inlet	407.47	411.97	4.5	407.74	1.01	1.01	No	408.08	1.59	1.59	NO	408.42	0.078	2.51	No
ST-STR-808	Inlet	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-809	Inlet	413.929	419.429	5.5	414.84	3.31	27.05	No	415.06	5.54	40.1	NO	415.26	0.355	53.12	No
ST-STR-81	Headwall	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No

Proposed Condition Junctions Results Summary Table

	Dimensions				2-year				10-year				100-year			
Facility ID	Type	Invert Elevation (feet)	Rim Elevation (feet)	Depth (feet)	Max. HGL (2-year) (feet)	Max. Lateral Inflow (2-year) (cfs)	Max. Total Inflow (2-year) (cfs)	Surcharging (2-year)	Max. HGL (10-year) (feet)	Max. Lateral Inflow (10-year) (cfs)	Max. Total Inflow (10-year) (cfs)	Surcharging (10-year)	Max. HGL (100-year) (feet)	Max. Lateral Inflow (100-year) (cfs)	Max. Total Inflow (100-year) (cfs)	Surcharging (100-year)
ST-STR-810	Inlet	400	402.104	2.104	401.79	1.14	1.14	No	401.8	1.84	1.84	NO	401.81	0.087	2.93	No
ST-STR-811	Inlet	392.193	396.693	4.5	392.84	5.47	7.39	No	393.38	9.14	12.25	NO	395.71	0.591	20.2	No
ST-STR-812	Inlet	389.915	394.415	4.5	390.62	8.42	9.02	No	392.57	14.05	15.46	NO	396.7	0.838	38.44	Yes
ST-STR-813	Inlet	384.69	394.502	9.812	387.1	0.45	375.55	No	387.89	0.71	617.9	NO	388.35	0.031	703.22	No
ST-STR-814	Inlet	391.401	396.401	5	391.47	0.16	0.16	No	391.49	0.25	0.25	NO	391.61	0.012	1.56	No
ST-STR-815	Inlet	391.814	396.814	5	391.96	0.64	1.05	No	392	1.05	1.6	NO	392.06	0.06	2.98	No
ST-STR-816	Inlet	375.706	385.206	9.5	379.62	2.35	387.01	No	381.12	3.83	595.89	NO	383.14	0.18	697.8	No
ST-STR-817	Inlet	377.7	395.716	18.016	381.2	9.64	163.9	No	382.35	16.3	266	NO	384.62	1.05	326.77	No
ST-STR-818	Inlet	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-819	Inlet	384.852	390.852	6	385.32	0.4	48.34	No	385.38	0.63	86.39	NO	385.46	0.028	146.68	No
ST-STR-82	Discharge	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-820	Inlet	380.165	384.165	4	380.39	1.24	1.24	No	380.39	1.24	1.24	NO	380.39	0.036	1.24	No
ST-STR-821	Inlet	374.5	379.668	5.168	377.49	3.88	27.92	No	378.59	6.4	39.35	NO	379.09	0.354	60.32	No
ST-STR-822	Inlet	375	378.011	3.011	377.6	1.27	3.25	No	379.13	1.99	11.68	YES	379.31	0.092	30.44	Yes
ST-STR-823	Inlet	374.808	377.808	3	377.54	0.53	0.59	No	378.51	0.87	1.65	YES	378.61	0.043	8.66	Yes
ST-STR-824	Inlet	374.3	379.258	4.958	377.52	10.42	18.46	No	378.57	17.1	53.99	NO	378.99	0.926	88.87	No
ST-STR-825	Inlet	373.397	373.41	0	377.5	3.56	390.58	Yes	378.39	6.03	603.84	YES	378.8	0.344	704.57	Yes
ST-STR-826	Inlet	371.507	380.507	9	373.22	3.36	63.29	No	373.76	5.37	106.53	NO	374.83	0.26	180.16	No
ST-STR-827	Inlet	358.75	367.496	8.746	361.16	2.93	153.55	No	362.25	4.89	270.82	NO	369.29	0.292	410.62	Yes
ST-STR-828	Inlet	361.887	369.887	8	364.28	5.6	106.38	No	364.93	9.33	155.11	NO	370.64	0.567	258.19	Yes
ST-STR-829	Headwall	363.095	363.095	0	363.78	0	3.18	Yes	364.1	0	5.22	YES	364.52	0	8.47	Yes
ST-STR-83	Headwall	416.707	421.707	5	417.58	0	15.22	No	417.97	0	27.74	NO	419.83	0	46.26	No
ST-STR-830	Inlet	351.038	356.038	5	351.43	0.4	3.48	No	351.54	0.64	6.01	NO	352.22	0.032	8.98	No
ST-STR-831	Inlet	346.053	352.053	6	349.57	2.96	12.71	No	350.44	4.87	23.34	NO	352.47	0.271	142.12	Yes
ST-STR-832	Inlet	347.115	352.115	5	349.58	5.88	9.08	No	350.46	9.58	14.9	NO	352.55	0.521	106.48	Yes
ST-STR-833	Inlet	344	348.189	4.189	344.88	8.04	8.04	No	347.77	13.82	37.7	NO	348.88	1.02	53.95	Yes
ST-STR-834	Inlet	366.766	372.266	5.5	367.72	2.69	29.26	No	368.05	4.47	49.27	NO	368.96	0.258	81.5	No
ST-STR-835	Inlet	352.16	359.345	7.185	354.44	4.38	53.15	No	356.93	7.11	112.85	NO	360.42	0.368	222.15	Yes
ST-STR-836	Inlet	351.67	359.394	7.724	354.28	2.41	105.74	No	356.64	3.98	163.98	NO	360.35	0.218	204.31	Yes
ST-STR-837	Inlet	369.755	375.755	6	370.73	1.77	26.5	No	371.04	2.95	44.68	NO	371.49	0.174	74.02	No
ST-STR-838	Inlet	366.5	371.112	4.612	367.04	3.2	3.2	No	367.2	5.25	5.25	NO	367.4	0.273	8.51	No
ST-STR-839	Inlet	358.056	364.556	6.5	359.12	0.22	24.16	No	359.31	0.33	32.97	NO	359.39	0.014	41.77	No
ST-STR-84	Other	420.284	425.284	5	421.17	14.18	14.18	No	421.55	25.52	25.52	NO	428.83	1.51	43.31	Yes
ST-STR-840	Inlet	336.3	341.436	5.136	338.9	1.91	271.75	No	340.56	3.03	578.47	NO	342.63	0.15	676.17	Yes
ST-STR-841	Inlet	337.2	342.84	5.64	339.69	10.26	229	No	341.38	17.05	573.2	NO	343.82	1.04	685.24	Yes
ST-STR-843	Outlet	357.328	357.328	0	357.48	0	0.22	Yes	357.53	0	1.4	YES	358.55	0	91.89	Yes
ST-STR-844	Headwall	351.106	351.106	0	351.11	0	0	Yes	351.11	0	0	YES	351.14	0	2.03	Yes
ST-STR-845	Inlet	419.952	443.952	24	420.55	0.24	9.19	No	420.72	0.37	15.14	NO	420.95	0.016	25.1	No
ST-STR-846	Inlet	414.319	417.319	3	417.96	0.24	9.3	Yes	417.99	0.36	15.37	YES	418.03	0.016	25.47	Yes
ST-STR-847	Inlet	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-848	Inlet	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-849	Inlet	399.285	404.285	5	400.04	0.23	10.78	No	400.31	0.35	18.82	NO	402.12	0.014	32.29	No
ST-STR-85	Headwall	451.16	451.91	0	451.22	0	4.91	No	451.24	0	9.06	NO	451.27	0	15.68	No
ST-STR-850	Inlet	417.67	422.42	4.75	418.22	10.59	10.59	No	418.41	18.53	18.53	NO	418.68	1.43	31.83	No
ST-STR-851	Inlet	392.505	397.005	4.5	393.77	3.26	13.84	No	396.42	5.39	23.89	NO	397.26	0.28	42.39	Yes
ST-STR-852	Inlet	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-853	Inlet	393.591	401.341	7.75	397.52	7.79	7.79	No	399.48	13.15	24.58	NO	400.16	0.849	53.69	No

Proposed Condition Junctions Results Summary Table

	Dimensions				2-year				10-year				100-year			
Facility ID	Type	Invert Elevation (feet)	Rim Elevation (feet)	Depth (feet)	Max. HGL (2-year) (feet)	Max. Lateral Inflow (2-year) (cfs)	Max. Total Inflow (2-year) (cfs)	Surcharging (2-year)	Max. HGL (10-year) (feet)	Max. Lateral Inflow (10-year) (cfs)	Max. Total Inflow (10-year) (cfs)	Surcharging (10-year)	Max. HGL (100-year) (feet)	Max. Lateral Inflow (100-year) (cfs)	Max. Total Inflow (100-year) (cfs)	Surcharging (100-year)
ST-STR-854	Inlet	394.708	402.658	7.95	398.69	0.3	310.76	No	400.68	0.49	463.12	NO	401.65	0.026	482.63	No
ST-STR-855	Inlet	398.472	403.472	5	400.9	2.31	2.31	No	402.18	3.85	3.85	NO	403.27	0.227	13.64	No
ST-STR-856	Inlet	412.093	416.593	4.5	413.17	3.55	23.04	No	415.21	6.18	38.62	NO	417.34	0.365	78.13	Yes
ST-STR-857	Inlet	413.654	418.154	4.5	414.39	6.59	6.59	No	415.56	11.43	11.45	NO	418.43	0.7	23.05	Yes
ST-STR-858	Inlet	402.25	406.25	4	403.91	0.94	0.94	No	405.59	1.5	1.5	NO	406.46	0.076	2.38	Yes
ST-STR-859	Inlet	400.607	405.607	5	403.91	8.43	9.4	No	405.57	14.25	15.8	NO	406.44	0.88	26.56	Yes
ST-STR-86	Discharge	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-860	Inlet	400.821	405.821	5	403.89	5.84	5.84	No	405.52	9.69	11.78	NO	406.53	0.566	40.74	Yes
ST-STR-861	Inlet	403.359	407.859	4.5	408.53	22.64	22.64	Yes	408.65	39.86	39.86	YES	408.75	5.03	72.26	Yes
ST-STR-862	Inlet	403.209	407.709	4.5	404.2	7.58	7.58	No	407.57	12.81	13.12	NO	407.83	0.814	23.59	Yes
ST-STR-863	Inlet	414.978	420.478	5.5	415.66	9.24	12	No	415.92	16.62	21.97	NO	416.32	1.13	39.47	No
ST-STR-864	Inlet	412.957	418.457	5.5	413.81	2.99	15.52	No	414.16	5.38	28.51	NO	414.87	0.372	51.82	No
ST-STR-865	Inlet	406.412	411.412	5	407.33	5.5	20.81	No	408.03	9.26	36.48	NO	410.14	0.55	65.96	No
ST-STR-866	Inlet	405.405	409.905	4.5	406.05	1.47	1.47	No	407.53	2.4	2.4	NO	410.93	0.129	73.22	Yes
ST-STR-867	Inlet	410.082	414.582	4.5	410.63	1.33	1.33	No	411.41	2.21	2.21	NO	415.2	0.118	44.46	Yes
ST-STR-868	Inlet	415.434	419.934	4.5	416.03	4.58	4.59	No	416.26	7.89	7.93	NO	419.62	0.5	13.26	No
ST-STR-869	Inlet	413.722	417.722	4	414.83	14.86	15.12	No	415.49	26.35	26.89	NO	417.95	2.43	47.68	Yes
ST-STR-87	Discharge	0	0	0	0	0	0	No	0	0	0	NO	0	0	0	No
ST-STR-870	Inlet	405.18	409.214	4.034	407.57	3.34	193.73	No	408.78	5.58	297.8	NO	409.41	0.314	313.48	Yes
ST-STR-871	Inlet	404.78	410.315	5.535	406.6	0.95	54.34	No	408.16	1.54	61.79	NO	408.9	0.077	61.54	No
ST-STR-872	Inlet	406.82	411.683	4.863	410.43	4.15	191.95	No	411.63	7.02	280.59	NO	411.76	0.407	308.64	Yes
ST-STR-873	Inlet	410	415.479	5.479	413.31	0.78	125.87	No	415.59	1.25	183.52	YES	416.73	0.058	254.94	Yes
ST-STR-874	Inlet	410.867	416.867	6	413.24	1.23	68.82	No	415.68	2.04	92.61	NO	416.74	0.112	102.27	No
ST-STR-875	Inlet	412.032	416.282	4.25	413.16	0.57	0.88	No	415.41	0.94	0.94	NO	416.49	0.054	1.53	Yes

G. Costs and Prioritization

Average					Small					Large				
Interior Water Depth (Inches)	Interior Water Depth (ft)	Cost to Home	Cost to Personal Property	Combined Loss Potential	Interior Water Depth (Inches)	Interior Water Depth (ft)	Cost to Home	Cost to Personal Property	Combined Loss Potential	Interior Water Depth (Inches)	Interior Water Depth (ft)	Cost to Home	Cost to Personal Property	Combined Loss Potential
1	0.08	$23,635	$3,172	$26,807	1	0.08	$9,550	$1,269	$10,819	1	0.08	$47,110	$6,344	$53,454
2	0.17	$23,720	$3,172	$26,892	2	0.17	$9,620	$1,269	$10,889	2	0.17	$47,220	$6,344	$53,564
3	0.25	$24,370	$4,917	$29,287	3	0.25	$9,820	$1,970	$11,790	3	0.25	$48,620	$9,828	$58,448
4	0.33	$31,345	$7,207	$38,552	4	0.33	$12,730	$2,924	$15,654	4	0.33	$62,370	$14,337	$76,707
5	0.42	$31,425	$13,914	$45,339	5	0.42	$12,780	$5,474	$18,254	5	0.42	$62,500	$27,996	$90,496
6	0.50	$37,260	$14,777	$52,037	6	0.50	$15,300	$5,861	$21,161	6	0.50	$73,860	$29,645	$103,505
7	0.58	$37,691	$17,700	$55,391	7	0.58	$15,508	$7,019	$22,527	7	0.58	$74,662	$35,512	$110,174
8	0.67	$38,122	$20,624	$58,746	8	0.67	$15,717	$8,177	$23,894	8	0.67	$75,463	$41,380	$116,843
9	0.75	$38,553	$23,547	$62,100	9	0.75	$15,925	$9,335	$25,260	9	0.75	$76,265	$47,247	$123,512
10	0.83	$38,983	$26,470	$65,453	10	0.83	$16,133	$10,493	$26,626	10	0.83	$77,067	$53,114	$130,181
11	0.92	$39,414	$29,394	$68,808	11	0.92	$16,342	$11,652	$27,994	11	0.92	$77,868	$58,982	$136,850
12	1.00	$39,845	$32,317	$72,162	12	1.00	$16,550	$12,810	$29,360	12	1.00	$78,670	$64,849	$143,519
24	2.00	$44,325	$43,001	$87,326	24	2.00	$19,500	$17,160	$36,660	24	2.00	$85,700	$86,075	$171,775
36	3.00	$47,905	$46,633	$94,538	36	3.00	$21,100	$18,731	$39,831	36	3.00	$92,580	$93,124	$185,704
48	4.00	$53,355	$50,000	$103,355	48	4.00	$23,400	$20,000	$43,400	48	4.00	$103,280	$100,000	$203,280

Source: National Flood Services, FloodTools.com.

Estimates based on national FEMA flood loss tables of cash value loss.

Combined Loss Potential							Average
	Average	$/sqft	Small	$/sqft	Large	$/sqft	
1	$26,807	$13.40	$10,819	$10.82	$53,454	$10.69	$33,375
2	$26,892	$13.45	$10,889	$10.89	$53,564	$10.71	
3	$29,287	$14.64	$11,790	$11.79	$58,448	$11.69	
4	$38,552	$19.28	$15,654	$15.65	$76,707	$15.34	
5	$45,339	$22.67	$18,254	$18.25	$90,496	$18.10	
6	$52,037	$26.02	$21,161	$21.16	$103,505	$20.70	$60,423
7	$55,391	$27.70	$22,527	$22.53	$110,174	$22.03	
8	$58,746	$29.37	$23,894	$23.89	$116,843	$23.37	
9	$62,100	$31.05	$25,260	$25.26	$123,512	$24.70	
10	$65,453	$32.73	$26,626	$26.63	$130,181	$26.04	
11	$68,808	$34.40	$27,994	$27.99	$136,850	$27.37	
12	$72,162	$36.08	$29,360	$29.36	$143,519	$28.70	$89,345
24	$87,326	$43.66	$36,660	$36.66	$171,775	$34.36	
36	$94,538	$47.27	$39,831	$39.83	$185,704	$37.14	
48	$103,355	$51.68	$43,400	$43.40	$203,280	$40.66	

Note:
The $/sqft is based on the square foot assigned to the housing category

Asset and Project Costs									
Project Info			Asset Costs			Project Costs			
FC_ProjectID	Name	Description	Construction Cost	Cost_Design	Cost_Total	Construction Cost2	P&D Cost	Total Cost	Bundled FC Priority Score
1_1	68	Storm Drain Pipe	$ 336,563.91	$ 161,550.68	$ 498,114.58	$ 1,173,106.71	$ 563,091.22	$ 1,736,197.93	788266.8063
1_1	ST-MAI-234	Storm Drain Pipe	$ 39,452.18	$ 18,937.04	$ 58,389.22	$ 1,173,106.71	$ 563,091.22	$ 1,736,197.93	788266.8063
1_1	ST-MAI-238	Storm Drain Pipe	$ 7,139.19	$ 3,426.81	$ 10,566.00	$ 1,173,106.71	$ 563,091.22	$ 1,736,197.93	788266.8063
1_1	ST-MAI-811	Storm Drain Pipe	$ 82,760.14	$ 39,724.87	$ 122,485.00	$ 1,173,106.71	$ 563,091.22	$ 1,736,197.93	788266.8063
1_1	ST-MAI-812	Storm Drain Pipe	$ 66,697.30	$ 32,014.70	$ 98,712.00	$ 1,173,106.71	$ 563,091.22	$ 1,736,197.93	788266.8063
1_1	ST-STR-969	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 1,173,106.71	$ 563,091.22	$ 1,736,197.93	788266.8063
1_1	ST-STR-1156	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 1,173,106.71	$ 563,091.22	$ 1,736,197.93	788266.8063
1_1	ST-STR-1157	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 1,173,106.71	$ 563,091.22	$ 1,736,197.93	788266.8063
1_1	ST-STR-1158	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 1,173,106.71	$ 563,091.22	$ 1,736,197.93	788266.8063
1_1	ST-STR-1159	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 1,173,106.71	$ 563,091.22	$ 1,736,197.93	788266.8063
1_1	ST-STR-1160	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 1,173,106.71	$ 563,091.22	$ 1,736,197.93	788266.8063
1_1	ST-STR-1161	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 1,173,106.71	$ 563,091.22	$ 1,736,197.93	788266.8063
1_1	ST-STR-1162	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 1,173,106.71	$ 563,091.22	$ 1,736,197.93	788266.8063
1_1	ST-STR-247	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,173,106.71	$ 563,091.22	$ 1,736,197.93	788266.8063
1_1	ST-STR-264	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,173,106.71	$ 563,091.22	$ 1,736,197.93	788266.8063
1_1	ST-STR-265	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,173,106.71	$ 563,091.22	$ 1,736,197.93	788266.8063
1_1	ST-STR-266	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,173,106.71	$ 563,091.22	$ 1,736,197.93	788266.8063
1_1	ST-STR-268	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,173,106.71	$ 563,091.22	$ 1,736,197.93	788266.8063
1_1	ST-STR-269	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,173,106.71	$ 563,091.22	$ 1,736,197.93	788266.8063
1_1	ST-STR-270	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,173,106.71	$ 563,091.22	$ 1,736,197.93	788266.8063
1_1	ST-STR-833	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,173,106.71	$ 563,091.22	$ 1,736,197.93	788266.8063
1_1	ST-STR-839	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,173,106.71	$ 563,091.22	$ 1,736,197.93	788266.8063
1_1	ST-STR-840	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,173,106.71	$ 563,091.22	$ 1,736,197.93	788266.8063
1_1	ST-STR-841	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,173,106.71	$ 563,091.22	$ 1,736,197.93	788266.8063
1_1	ST-STR-1166	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,173,106.71	$ 563,091.22	$ 1,736,197.93	788266.8063
1_1	ST-STR-844	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 1,173,106.71	$ 563,091.22	$ 1,736,197.93	788266.8063
1_1	ST-STR-1176	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,173,106.71	$ 563,091.22	$ 1,736,197.93	788266.8063
1_1	ST-STR-1177	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 1,173,106.71	$ 563,091.22	$ 1,736,197.93	788266.8063
1_1	ST-STR-1178	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 1,173,106.71	$ 563,091.22	$ 1,736,197.93	788266.8063
1_1	ST-STR-1223	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,173,106.71	$ 563,091.22	$ 1,736,197.93	788266.8063
1_1	ST-STR-1224	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,173,106.71	$ 563,091.22	$ 1,736,197.93	788266.8063
1_1	ST-STR-1225	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,173,106.71	$ 563,091.22	$ 1,736,197.93	788266.8063
1_1	ST-STR-1226	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,173,106.71	$ 563,091.22	$ 1,736,197.93	788266.8063
1_1	ST-STR-1227	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,173,106.71	$ 563,091.22	$ 1,736,197.93	788266.8063
1_1	ST-STR-1228	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,173,106.71	$ 563,091.22	$ 1,736,197.93	788266.8063
1_1	ST-STR-1229	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,173,106.71	$ 563,091.22	$ 1,736,197.93	788266.8063
1_1	ST-STR-1230	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,173,106.71	$ 563,091.22	$ 1,736,197.93	788266.8063
1_1	ST-STR-1232	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,173,106.71	$ 563,091.22	$ 1,736,197.93	788266.8063

Asset and Project Costs									
Project Info			Asset Costs			Project Costs			
FC_ProjectID	Name	Description	Construction Cost	Cost_Design	Cost_Total	Construction Cost2	P&D Cost	Total Cost	Bundled FC Priority Score
1_1	ST-STR-1233	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,173,106.71	$ 563,091.22	$ 1,736,197.93	788266.8063
1_1	ST-STR-1234	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,173,106.71	$ 563,091.22	$ 1,736,197.93	788266.8063
1_1	ST-STR-1434	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,173,106.71	$ 563,091.22	$ 1,736,197.93	788266.8063
1_1	ST-STR-189	Connector	<Null>	<Null>	<Null>	$ 1,173,106.71	$ 563,091.22	$ 1,736,197.93	788266.8063
1_1	ST-STR-988	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,173,106.71	$ 563,091.22	$ 1,736,197.93	788266.8063
1_1	ST-STR-1058	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 1,173,106.71	$ 563,091.22	$ 1,736,197.93	788266.8063
1_1	ST-STR-1135	Connector	<Null>	<Null>	<Null>	$ 1,173,106.71	$ 563,091.22	$ 1,736,197.93	788266.8063
1_1	ST-STR-19	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 1,173,106.71	$ 563,091.22	$ 1,736,197.93	788266.8063
1_1	ST-STR-22	Other	<Null>	<Null>	<Null>	$ 1,173,106.71	$ 563,091.22	$ 1,736,197.93	788266.8063
1_1	ST-STR-23	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 1,173,106.71	$ 563,091.22	$ 1,736,197.93	788266.8063
1_1	ST-STR-25	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 1,173,106.71	$ 563,091.22	$ 1,736,197.93	788266.8063
1_1	ST-STR-26	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 1,173,106.71	$ 563,091.22	$ 1,736,197.93	788266.8063
1_1	ST-STR-27	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 1,173,106.71	$ 563,091.22	$ 1,736,197.93	788266.8063
1_1	ST-STR-142	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 1,173,106.71	$ 563,091.22	$ 1,736,197.93	788266.8063
1_1	ST-STR-173	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 1,173,106.71	$ 563,091.22	$ 1,736,197.93	788266.8063
1_1	ST-STR-181	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 1,173,106.71	$ 563,091.22	$ 1,736,197.93	788266.8063
1_1	ST-STR-182	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 1,173,106.71	$ 563,091.22	$ 1,736,197.93	788266.8063
1_1	ST-STR-1070	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 1,173,106.71	$ 563,091.22	$ 1,736,197.93	788266.8063
1_1	ST-STR-1435	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 1,173,106.71	$ 563,091.22	$ 1,736,197.93	788266.8063
1_1	178	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 1,173,106.71	$ 563,091.22	$ 1,736,197.93	788266.8063
1_1	2598	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 1,173,106.71	$ 563,091.22	$ 1,736,197.93	788266.8063
1_1	2745	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 1,173,106.71	$ 563,091.22	$ 1,736,197.93	788266.8063
1_1	ST-STR-1107	Connector	<Null>	<Null>	<Null>	$ 1,173,106.71	$ 563,091.22	$ 1,736,197.93	788266.8063
1_1	ST-STR-1431	Connector	<Null>	<Null>	<Null>	$ 1,173,106.71	$ 563,091.22	$ 1,736,197.93	788266.8063
1_1	ST-STR-20	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 1,173,106.71	$ 563,091.22	$ 1,736,197.93	788266.8063
1_1	ST-STR-143	Connector	<Null>	<Null>	<Null>	$ 1,173,106.71	$ 563,091.22	$ 1,736,197.93	788266.8063
1_10	ST-MAI-1076	Storm Drain Pipe	$ 12,428.39	$ 5,965.63	$ 18,394.01	$ 807,140.03	$ 387,427.21	$ 1,194,567.24	917990.7646
1_10	ST-MAI-1077	Storm Drain Pipe	$ 171,742.50	$ 82,436.40	$ 254,178.89	$ 807,140.03	$ 387,427.21	$ 1,194,567.24	917990.7646
1_10	ST-MAI-1367	Storm Drain Pipe	$ 24,516.34	$ 11,767.84	$ 36,284.18	$ 807,140.03	$ 387,427.21	$ 1,194,567.24	917990.7646
1_10	ST-MAI-1372	Storm Drain Pipe	$ 124,808.97	$ 59,908.31	$ 184,717.27	$ 807,140.03	$ 387,427.21	$ 1,194,567.24	917990.7646
1_10	ST-MAI-1373	Storm Drain Pipe	$ 63,151.13	$ 30,312.54	$ 93,463.67	$ 807,140.03	$ 387,427.21	$ 1,194,567.24	917990.7646
1_10	ST-MAI-1452	Storm Drain Pipe	$ 62,910.73	$ 30,197.15	$ 93,107.89	$ 807,140.03	$ 387,427.21	$ 1,194,567.24	917990.7646
1_10	ST-MAI-243	Storm Drain Pipe	$ 101,478.00	$ 48,709.44	$ 150,187.44	$ 807,140.03	$ 387,427.21	$ 1,194,567.24	917990.7646
1_10	ST-MAI-244	Storm Drain Pipe	$ 59,227.98	$ 28,429.43	$ 87,657.41	$ 807,140.03	$ 387,427.21	$ 1,194,567.24	917990.7646
1_10	ST-STR-1217	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 807,140.03	$ 387,427.21	$ 1,194,567.24	917990.7646
1_10	ST-STR-1218	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 807,140.03	$ 387,427.21	$ 1,194,567.24	917990.7646
1_10	ST-STR-1219	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 807,140.03	$ 387,427.21	$ 1,194,567.24	917990.7646
1_10	ST-STR-1441	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 807,140.03	$ 387,427.21	$ 1,194,567.24	917990.7646

Asset and Project Costs									
Project Info			Asset Costs			Project Costs			
FC_ProjectID	Name	Description	Construction Cost	Cost_Design	Cost_Total	Construction Cost2	P&D Cost	Total Cost	Bundled FC Priority Score
1_10	ST-STR-1442	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 807,140.03	$ 387,427.21	$ 1,194,567.24	917990.7646
1_10	ST-STR-1443	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 807,140.03	$ 387,427.21	$ 1,194,567.24	917990.7646
1_10	ST-STR-1444	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 807,140.03	$ 387,427.21	$ 1,194,567.24	917990.7646
1_10	ST-STR-1445	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 807,140.03	$ 387,427.21	$ 1,194,567.24	917990.7646
1_10	ST-STR-1446	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 807,140.03	$ 387,427.21	$ 1,194,567.24	917990.7646
1_10	ST-STR-1447	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 807,140.03	$ 387,427.21	$ 1,194,567.24	917990.7646
1_10	ST-STR-1448	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 807,140.03	$ 387,427.21	$ 1,194,567.24	917990.7646
1_10	ST-STR-1449	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 807,140.03	$ 387,427.21	$ 1,194,567.24	917990.7646
1_10	ST-STR-1498	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 807,140.03	$ 387,427.21	$ 1,194,567.24	917990.7646
1_10	ST-STR-1499	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 807,140.03	$ 387,427.21	$ 1,194,567.24	917990.7646
1_10	CMS_63624	Connector	<Null>	<Null>	<Null>	$ 807,140.03	$ 387,427.21	$ 1,194,567.24	917990.7646
1_11	ST-MAI-211	Storm Drain Pipe	$ 58,112.47	$ 27,893.99	$ 86,006.46	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74
1_11	ST-MAI-212	Storm Drain Pipe	$ 281,184.97	$ 134,968.78	$ 416,153.75	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74
1_11	ST-MAI-213	Storm Drain Pipe	$ 482,053.74	$ 231,385.79	$ 713,439.53	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74
1_11	ST-STR-964	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74
1_11	ST-STR-965	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74
1_11	ST-STR-966	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74
1_11	ST-STR-967	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74
1_11	ST-STR-968	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74
1_11	ST-STR-1163	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74
1_11	ST-STR-1164	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74
1_11	ST-STR-273	Other	<Null>	<Null>	<Null>	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74
1_11	ST-STR-826	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74
1_11	ST-STR-827	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74
1_11	ST-STR-828	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74
1_11	ST-STR-829	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74
1_11	ST-STR-830	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74
1_11	ST-STR-831	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74
1_11	ST-STR-832	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74
1_11	ST-STR-834	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74
1_11	ST-STR-835	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74
1_11	ST-STR-836	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74
1_11	ST-STR-837	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74
1_11	ST-STR-838	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74
1_11	ST-STR-843	Outlet	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74
1_11	ST-STR-1255	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74
1_11	ST-STR-1256	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74
1_11	ST-STR-1257	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74

Asset and Project Costs									
Project Info			Asset Costs			Project Costs			
FC_ProjectID	Name	Description	Construction Cost	Cost_Design	Cost_Total	Construction Cost2	P&D Cost	Total Cost	Bundled FC Priority Score
1_11	ST-STR-1300	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74
1_11	ST-STR-1301	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74
1_11	ST-STR-1302	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74
1_11	ST-STR-1303	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74
1_11	ST-STR-1304	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74
1_11	ST-STR-1305	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74
1_11	ST-STR-1306	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74
1_11	ST-STR-1307	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74
1_11	ST-STR-1308	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74
1_11	ST-STR-1309	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74
1_11	ST-STR-1310	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74
1_11	ST-STR-1311	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74
1_11	ST-STR-1312	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74
1_11	ST-STR-1313	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74
1_11	ST-STR-1314	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74
1_11	ST-STR-1315	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74
1_11	ST-STR-1316	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74
1_11	ST-STR-1317	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74
1_11	ST-STR-1318	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74
1_11	ST-STR-1319	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74
1_11	ST-STR-1320	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74
1_11	ST-STR-1321	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74
1_11	ST-STR-1322	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74
1_11	ST-STR-1323	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74
1_11	ST-STR-1132	Connector	<Null>	<Null>	<Null>	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74
1_11	ST-STR-1153	Connector	<Null>	<Null>	<Null>	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74
1_11	ST-STR-1154	Connector	<Null>	<Null>	<Null>	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74
1_11	ST-STR-1155	Connector	<Null>	<Null>	<Null>	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74
1_11	ST-STR-28	Other	<Null>	<Null>	<Null>	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74
1_11	ST-STR-176	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74
1_11	ST-STR-178	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74
1_11	ST-STR-180	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74
1_11	ST-STR-1059	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74
1_11	ST-STR-1060	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74
1_11	ST-STR-1061	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74
1_11	ST-STR-1062	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74
1_11	ST-STR-1063	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74
1_11	ST-STR-1064	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74

Asset and Project Costs									
Project Info			Asset Costs			Project Costs			
FC_ProjectID	Name	Description	Construction Cost	Cost_Design	Cost_Total	Construction Cost2	P&D Cost	Total Cost	Bundled FC Priority Score
1_11	ST-STR-1065	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74
1_11	ST-STR-1066	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74
1_11	ST-STR-1067	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74
1_11	ST-STR-1068	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74
1_11	ST-STR-1069	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74
1_11	J155_1	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74
1_11	CMS_88448	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74
1_11	ST-STR-1489	Connector	<Null>	<Null>	<Null>	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74
1_11	ST-STR-1488	Connector	<Null>	<Null>	<Null>	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	1215599.74
1_1C	ST-MAI-180	Channel	<Null>	<Null>	<Null>	$ -	$ -	$ -	#N/A
1_1C	ST-MAI-181a_1	Channel	<Null>	<Null>	<Null>	$ -	$ -	$ -	#N/A
1_1C	ST-MAI-181a_2	Channel	<Null>	<Null>	<Null>	$ -	$ -	$ -	#N/A
1_1C	ST-MAI-181b	Channel	<Null>	<Null>	<Null>	$ -	$ -	$ -	#N/A
1_1C	ST-MAI-75	Channel	<Null>	<Null>	<Null>	$ -	$ -	$ -	#N/A
1_1C	ST-MAI-76_1	Channel	<Null>	<Null>	<Null>	$ -	$ -	$ -	#N/A
1_1C	ST-MAI-76_3	Channel	<Null>	<Null>	<Null>	$ -	$ -	$ -	#N/A
1_1C	ST-MAI-76_4	Channel	<Null>	<Null>	<Null>	$ -	$ -	$ -	#N/A
1_1C	ST-MAI-77a	Channel	<Null>	<Null>	<Null>	$ -	$ -	$ -	#N/A
1_1C	ST-MAI-77b	Channel	<Null>	<Null>	<Null>	$ -	$ -	$ -	#N/A
1_1C	ST-MAI-80a_1	Channel	<Null>	<Null>	<Null>	$ -	$ -	$ -	#N/A
1_1C	ST-MAI-80a_2	Channel	<Null>	<Null>	<Null>	$ -	$ -	$ -	#N/A
1_1C	ST-MAI-80a_3	Channel	<Null>	<Null>	<Null>	$ -	$ -	$ -	#N/A
1_1C	ST-MAI-80a_4	Channel	<Null>	<Null>	<Null>	$ -	$ -	$ -	#N/A
1_1C	ST-MAI-80a_6	Channel	<Null>	<Null>	<Null>	$ -	$ -	$ -	#N/A
1_1C	ST-MAI-80b	Channel	<Null>	<Null>	<Null>	$ -	$ -	$ -	#N/A
1_2	70_CMS	Storm Drain Pipe	$ 187,867.17	$ 90,176.24	$ 278,043.42	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-MAI-142a	Storm Drain Pipe	$ 69,854.56	$ 33,530.19	$ 103,384.74	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-MAI-142b	Storm Drain Pipe	$ 65,321.30	$ 31,354.22	$ 96,675.52	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-MAI-183	Storm Drain Pipe	$ 172,859.62	$ 82,972.62	$ 255,832.23	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-MAI-184	Storm Drain Pipe	$ 257,358.35	$ 123,532.01	$ 380,890.36	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-MAI-185	Storm Drain Pipe	$ 127,518.61	$ 61,208.93	$ 188,727.55	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-MAI-186	Storm Drain Pipe	$ 276,224.40	$ 132,587.71	$ 408,812.12	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-MAI-210	Storm Drain Pipe	$ 137,595.97	$ 66,046.07	$ 203,642.04	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-MAI-57	Storm Drain Pipe	$ 225,289.75	$ 108,139.08	$ 333,428.83	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-MAI-58	Storm Drain Pipe	$ 139,588.02	$ 67,002.25	$ 206,590.26	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-MAI-60	Storm Drain Pipe	$ 9,596.90	$ 4,606.51	$ 14,203.41	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-MAI-61	Storm Drain Pipe	$ 103,181.16	$ 49,526.96	$ 152,708.11	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-MAI-66	Storm Drain Pipe	$ 75,536.34	$ 36,257.44	$ 111,793.78	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222

Asset and Project Costs									
Project Info			Asset Costs			Project Costs			
FC_ProjectID	Name	Description	Construction Cost	Cost_Design	Cost_Total	Construction Cost2	P&D Cost	Total Cost	Bundled FC Priority Score
1_2	ST-MAI-67	Storm Drain Pipe	$ 51,405.68	$ 24,674.73	$ 76,080.41	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-MAI-69_1	Storm Drain Pipe	$ 315,160.81	$ 151,277.19	$ 466,438.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-MAI-69_2	Storm Drain Pipe	$ 248,807.98	$ 119,427.83	$ 368,235.81	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-MAI-783	Storm Drain Pipe	$ 135,423.37	$ 65,003.22	$ 200,426.59	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-MAI-784	Storm Drain Pipe	$ 9,178.28	$ 4,405.57	$ 13,583.85	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-MAI-787	Storm Drain Pipe	$ 314,799.83	$ 151,103.92	$ 465,903.74	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-MAI-788	Storm Drain Pipe	$ 243,694.06	$ 116,973.15	$ 360,667.21	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-MAI-791	Storm Drain Pipe	$ 31,233.38	$ 14,992.02	$ 46,225.40	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-MAI-792	Storm Drain Pipe	$ 15,250.04	$ 7,320.02	$ 22,570.06	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-MAI-794	Storm Drain Pipe	$ 54,515.02	$ 26,167.21	$ 80,682.22	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-MAI-819	Storm Drain Pipe	$ 114,986.41	$ 55,193.48	$ 170,179.89	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-MAI-820	Storm Drain Pipe	$ 13,547.69	$ 6,502.89	$ 20,050.58	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-MAI-822	Storm Drain Pipe	$ 68,438.08	$ 32,850.28	$ 101,288.36	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-MAI-823	Storm Drain Pipe	$ 65,654.82	$ 31,514.31	$ 97,169.13	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-MAI-824	Storm Drain Pipe	$ 87,430.36	$ 41,966.57	$ 129,396.93	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-MAI-828	Storm Drain Pipe	$ 20,159.96	$ 9,676.78	$ 29,836.74	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-MAI-831	Storm Drain Pipe	$ 35,138.23	$ 16,866.35	$ 52,004.59	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-MAI-832	Storm Drain Pipe	$ 16,770.41	$ 8,049.80	$ 24,820.21	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-MAI-833	Storm Drain Pipe	$ 10,394.08	$ 4,989.16	$ 15,383.24	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-MAI-834	Storm Drain Pipe	$ 18,425.98	$ 8,844.47	$ 27,270.45	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-MAI-835	Storm Drain Pipe	$ 85,457.58	$ 41,019.64	$ 126,477.21	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-MAI-836	Storm Drain Pipe	$ 44,584.26	$ 21,400.44	$ 65,984.70	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-MAI-837	Storm Drain Pipe	$ 14,054.96	$ 6,746.38	$ 20,801.34	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-MAI-838	Storm Drain Pipe	$ 30,679.01	$ 14,725.93	$ 45,404.94	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-MAI-839	Storm Drain Pipe	$ 5,153.30	$ 2,473.58	$ 7,626.88	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-MAI-842	Storm Drain Pipe	$ 31,534.12	$ 15,136.38	$ 46,670.49	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-MAI-844	Storm Drain Pipe	$ 25,126.41	$ 12,060.68	$ 37,187.09	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-MAI-85	Storm Drain Pipe	$ 267,862.03	$ 128,573.78	$ 396,435.81	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-937	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-938	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-939	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-940	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-941	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-942	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-943	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-944	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-959	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-960	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222

Asset and Project Costs									
Project Info			Asset Costs			Project Costs			
FC_ProjectID	Name	Description	Construction Cost	Cost_Design	Cost_Total	Construction Cost2	P&D Cost	Total Cost	Bundled FC Priority Score
1_2	ST-STR-961	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-962	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-963	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-970	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-971	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-972	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-973	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-974	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-975	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-976	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-977	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-978	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-979	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-980	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-981	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-982	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-216	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-236	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-237	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-238	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-242	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-248	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-249	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-250	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-251	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-252	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-271	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-272	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-639	Outlet	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-640	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-641	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-642	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-643	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-644	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-645	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-646	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-647	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-648	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222

Asset and Project Costs									
Project Info			Asset Costs			Project Costs			
FC_ProjectID	Name	Description	Construction Cost	Cost_Design	Cost_Total	Construction Cost2	P&D Cost	Total Cost	Bundled FC Priority Score
1_2	ST-STR-649	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-650	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-651	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-653	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-654	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-655	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-656	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-657	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-658	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-659	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-660	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-663	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-720	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-721	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-722	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-733	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-734	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-735	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-736	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-737	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-738	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-739	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-740	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-807	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-809	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-810	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-811	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-812	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-813	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-814	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-815	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-816	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-817	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-825	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-845	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-846	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-849	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-850	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222

Asset and Project Costs									
Project Info			Asset Costs			Project Costs			
FC_ProjectID	Name	Description	Construction Cost	Cost_Design	Cost_Total	Construction Cost2	P&D Cost	Total Cost	Bundled FC Priority Score
1_2	ST-STR-851	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-853	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-854	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-855	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-856	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-857	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-858	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-859	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-860	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-861	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-862	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-863	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-864	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-865	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-866	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-867	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-868	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-869	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-870	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-871	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-872	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-873	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-874	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-875	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-876	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-877	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-878	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-879	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-881	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-882	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-883	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-884	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-885	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-887	Outlet	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-888	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-889	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-890	Other	<Null>	<Null>	<Null>	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-894	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222

Asset and Project Costs									
Project Info			Asset Costs			Project Costs			
FC_ProjectID	Name	Description	Construction Cost	Cost_Design	Cost_Total	Construction Cost2	P&D Cost	Total Cost	Bundled FC Priority Score
1_2	ST-STR-895	Connector	<Null>	<Null>	<Null>	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-1198	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-1235	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-1236	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-1237	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-1246	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-1247	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-1258	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-1259	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-1260	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-1261	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-1262	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-1263	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-1264	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-1265	Other	<Null>	<Null>	<Null>	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-1266	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-1267	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-1298	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-188	Connector	<Null>	<Null>	<Null>	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-193	Connector	<Null>	<Null>	<Null>	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-194	Connector	<Null>	<Null>	<Null>	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-986	Connector	<Null>	<Null>	<Null>	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-987	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-1023	Connector	<Null>	<Null>	<Null>	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-1024	Connector	<Null>	<Null>	<Null>	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-1040	Connector	<Null>	<Null>	<Null>	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-1041	Connector	<Null>	<Null>	<Null>	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-1042	Connector	<Null>	<Null>	<Null>	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-1043	Connector	<Null>	<Null>	<Null>	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-1045	Connector	<Null>	<Null>	<Null>	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-1046	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-1052	Connector	<Null>	<Null>	<Null>	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-1053	Connector	<Null>	<Null>	<Null>	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-1054	Connector	<Null>	<Null>	<Null>	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-1055	Connector	<Null>	<Null>	<Null>	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-1056	Connector	<Null>	<Null>	<Null>	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-1057	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-1115	Connector	<Null>	<Null>	<Null>	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222

Asset and Project Costs									
Project Info			Asset Costs			Project Costs			
FC_ProjectID	Name	Description	Construction Cost	Cost_Design	Cost_Total	Construction Cost2	P&D Cost	Total Cost	Bundled FC Priority Score
1_2	ST-STR-1116	Connector	<Null>	<Null>	<Null>	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-1117	Connector	<Null>	<Null>	<Null>	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-1128	Connector	<Null>	<Null>	<Null>	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-1433	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-128	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-144	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-145	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-177	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-1083	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-1084	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-5	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-13	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-14	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-1492	Connector	<Null>	<Null>	<Null>	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-1500	Connector	<Null>	<Null>	<Null>	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	30957	Connector	<Null>	<Null>	<Null>	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	31315	Connector	<Null>	<Null>	<Null>	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-742	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-1072	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	CMS_3136	Connector	<Null>	<Null>	<Null>	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-893	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-652	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-218	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-221	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-222	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-223	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-224	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-225	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-226	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-227	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-228	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-229	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-230	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-231	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-232	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-233	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-234	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-235	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222

Asset and Project Costs									
Project Info			Asset Costs			Project Costs			
FC_ProjectID	Name	Description	Construction Cost	Cost_Design	Cost_Total	Construction Cost2	P&D Cost	Total Cost	Bundled FC Priority Score
1_2	ST-STR-239	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-240	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-241	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-243	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-244	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-245	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-246	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-263	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-808	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-818	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-847	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-848	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-852	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-886	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-1047	Connector	<Null>	<Null>	<Null>	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-1048	Connector	<Null>	<Null>	<Null>	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-1049	Connector	<Null>	<Null>	<Null>	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-1050	Connector	<Null>	<Null>	<Null>	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-129	Connector	<Null>	<Null>	<Null>	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-146	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-174	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-175	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-185	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-2	Connector	<Null>	<Null>	<Null>	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-4	Cleanout/Manhole	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-6	Cleanout/Manhole	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-7	Cleanout/Manhole	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-8	Cleanout/Manhole	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-9	Cleanout/Manhole	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-10	Cleanout/Manhole	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_2	ST-STR-11	Cleanout/Manhole	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	6249534.222
1_3	ST-MAI-1	Storm Drain Pipe	$ 34,480.68	$ 16,550.73	$ 51,031.40	$ 53,281.33	$ 25,575.04	$ 78,856.37	78856.36978
1_3	ST-MAI-858	Storm Drain Pipe	$ 18,800.65	$ 9,024.31	$ 27,824.97	$ 53,281.33	$ 25,575.04	$ 78,856.37	78856.36978
1_4	ST-MAI-120	Storm Drain Pipe	$ 190,916.10	$ 91,639.73	$ 282,555.83	$ 996,251.38	$ 478,200.66	$ 1,474,452.04	1474452.038
1_4	ST-MAI-136	Storm Drain Pipe	$ 65,324.06	$ 31,355.55	$ 96,679.61	$ 996,251.38	$ 478,200.66	$ 1,474,452.04	1474452.038
1_4	ST-MAI-56	Storm Drain Pipe	$ 223,468.63	$ 107,264.94	$ 330,733.57	$ 996,251.38	$ 478,200.66	$ 1,474,452.04	1474452.038
1_4	ST-MAI-611	Storm Drain Pipe	$ 22,274.96	$ 10,691.98	$ 32,966.94	$ 996,251.38	$ 478,200.66	$ 1,474,452.04	1474452.038
1_4	ST-MAI-613	Storm Drain Pipe	$ 60,651.76	$ 29,112.84	$ 89,764.60	$ 996,251.38	$ 478,200.66	$ 1,474,452.04	1474452.038

Asset and Project Costs									
Project Info			Asset Costs			Project Costs			
FC_ProjectID	Name	Description	Construction Cost	Cost_Design	Cost_Total	Construction Cost2	P&D Cost	Total Cost	Bundled FC Priority Score
1_4	ST-MAI-614	Storm Drain Pipe	$ 23,676.72	$ 11,364.82	$ 35,041.54	$ 996,251.38	$ 478,200.66	$ 1,474,452.04	1474452.038
1_4	ST-MAI-615	Storm Drain Pipe	$ 53,909.73	$ 25,876.67	$ 79,786.40	$ 996,251.38	$ 478,200.66	$ 1,474,452.04	1474452.038
1_4	ST-MAI-74	Storm Drain Pipe	$ 231,012.84	$ 110,886.16	$ 341,899.00	$ 996,251.38	$ 478,200.66	$ 1,474,452.04	1474452.038
1_4	ST-MAI-854	Storm Drain Pipe	$ 20,450.97	$ 9,816.47	$ 30,267.44	$ 996,251.38	$ 478,200.66	$ 1,474,452.04	1474452.038
1_4	ST-MAI-865	Storm Drain Pipe	$ 104,565.60	$ 50,191.49	$ 154,757.09	$ 996,251.38	$ 478,200.66	$ 1,474,452.04	1474452.038
1_5	ST-MAI-589	Storm Drain Pipe	$ 4,090.98	$ 1,963.67	$ 6,054.66	$ 411,381.18	$ 197,462.97	$ 608,844.15	608844.1506
1_5	ST-MAI-590	Storm Drain Pipe	$ 115,348.01	$ 55,367.04	$ 170,715.05	$ 411,381.18	$ 197,462.97	$ 608,844.15	608844.1506
1_5	ST-MAI-591	Storm Drain Pipe	$ 40,292.93	$ 19,340.60	$ 59,633.53	$ 411,381.18	$ 197,462.97	$ 608,844.15	608844.1506
1_5	ST-MAI-592	Storm Drain Pipe	$ 25,080.90	$ 12,038.83	$ 37,119.73	$ 411,381.18	$ 197,462.97	$ 608,844.15	608844.1506
1_5	ST-MAI-596	Storm Drain Pipe	$ 5,670.18	$ 2,721.69	$ 8,391.87	$ 411,381.18	$ 197,462.97	$ 608,844.15	608844.1506
1_5	ST-MAI-598	Storm Drain Pipe	$ 8,643.74	$ 4,149.00	$ 12,792.74	$ 411,381.18	$ 197,462.97	$ 608,844.15	608844.1506
1_5	ST-MAI-607	Storm Drain Pipe	$ 206,981.85	$ 99,351.29	$ 306,333.13	$ 411,381.18	$ 197,462.97	$ 608,844.15	608844.1506
1_5	ST-MAI-608	Storm Drain Pipe	$ 5,272.60	$ 2,530.85	$ 7,803.45	$ 411,381.18	$ 197,462.97	$ 608,844.15	608844.1506
1_6	ST-MAI-701	Storm Drain Pipe	$ 11,652.81	$ 5,593.35	$ 17,246.15	$ 190,579.66	$ 91,478.24	$ 282,057.89	282057.8935
1_6	ST-MAI-702	Storm Drain Pipe	$ 30,998.38	$ 14,879.22	$ 45,877.60	$ 190,579.66	$ 91,478.24	$ 282,057.89	282057.8935
1_6	ST-MAI-869	Storm Drain Pipe	$ 147,928.48	$ 71,005.67	$ 218,934.14	$ 190,579.66	$ 91,478.24	$ 282,057.89	282057.8935
1_7	ST-MAI-241	Storm Drain Pipe	$ 17,123.74	$ 8,219.40	$ 25,343.14	$ 17,123.74	$ 8,219.40	$ 25,343.14	25343.14231
1_8	ST-MAI-688	Storm Drain Pipe	$ 71,266.08	$ 34,207.72	$ 105,473.80	$ 248,872.90	$ 119,458.99	$ 368,331.89	155019.4948
1_8	ST-MAI-775	Storm Drain Pipe	$ 33,476.82	$ 16,068.87	$ 49,545.69	$ 248,872.90	$ 119,458.99	$ 368,331.89	155019.4948
1_8	ST-STR-955	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 248,872.90	$ 119,458.99	$ 368,331.89	155019.4948
1_8	ST-STR-723	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 248,872.90	$ 119,458.99	$ 368,331.89	155019.4948
1_8	ST-STR-724	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 248,872.90	$ 119,458.99	$ 368,331.89	155019.4948
1_8	ST-STR-725	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 248,872.90	$ 119,458.99	$ 368,331.89	155019.4948
1_8	ST-STR-726	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 248,872.90	$ 119,458.99	$ 368,331.89	155019.4948
1_8	ST-STR-728	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 248,872.90	$ 119,458.99	$ 368,331.89	155019.4948
1_8	ST-STR-729	Outlet	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 248,872.90	$ 119,458.99	$ 368,331.89	155019.4948
1_8	ST-STR-730	Other	<Null>	<Null>	<Null>	$ 248,872.90	$ 119,458.99	$ 368,331.89	155019.4948
1_8	ST-STR-731	Outlet	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 248,872.90	$ 119,458.99	$ 368,331.89	155019.4948
1_8	ST-STR-732	Other	<Null>	<Null>	<Null>	$ 248,872.90	$ 119,458.99	$ 368,331.89	155019.4948
1_8	ST-STR-806	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 248,872.90	$ 119,458.99	$ 368,331.89	155019.4948
1_8	ST-STR-139	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 248,872.90	$ 119,458.99	$ 368,331.89	155019.4948
1_8	ST-STR-141	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 248,872.90	$ 119,458.99	$ 368,331.89	155019.4948
1_8	ST-STR-727	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 248,872.90	$ 119,458.99	$ 368,331.89	155019.4948
1_8	ST-STR-1094	Connector	<Null>	<Null>	<Null>	$ 248,872.90	$ 119,458.99	$ 368,331.89	155019.4948
1_8	ST-STR-1095	Connector	<Null>	<Null>	<Null>	$ 248,872.90	$ 119,458.99	$ 368,331.89	155019.4948
1_8	ST-STR-1108	Connector	<Null>	<Null>	<Null>	$ 248,872.90	$ 119,458.99	$ 368,331.89	155019.4948
1_8	ST-STR-140	Connector	<Null>	<Null>	<Null>	$ 248,872.90	$ 119,458.99	$ 368,331.89	155019.4948
1_9	ST-MAI-1130	Storm Drain Pipe	$ 45,583.77	$ 21,880.21	$ 67,463.98	$ 821,359.05	$ 394,252.35	$ 1,215,611.40	807871.3972

Asset and Project Costs									
Project Info			Asset Costs			Project Costs			
FC_ProjectID	Name	Description	Construction Cost	Cost_Design	Cost_Total	Construction Cost2	P&D Cost	Total Cost	Bundled FC Priority Score
1_9	ST-MAI-1361	Storm Drain Pipe	$ 196,012.63	$ 94,086.06	$ 290,098.69	$ 821,359.05	$ 394,252.35	$ 1,215,611.40	807871.3972
1_9	ST-MAI-797	Storm Drain Pipe	$ 65,056.12	$ 31,226.94	$ 96,283.05	$ 821,359.05	$ 394,252.35	$ 1,215,611.40	807871.3972
1_9	ST-MAI-798	Storm Drain Pipe	$ 113,282.48	$ 54,375.59	$ 167,658.07	$ 821,359.05	$ 394,252.35	$ 1,215,611.40	807871.3972
1_9	ST-MAI-802	Storm Drain Pipe	$ 110,645.07	$ 53,109.63	$ 163,754.71	$ 821,359.05	$ 394,252.35	$ 1,215,611.40	807871.3972
1_9	ST-MAI-804	Storm Drain Pipe	$ 15,278.98	$ 7,333.91	$ 22,612.90	$ 821,359.05	$ 394,252.35	$ 1,215,611.40	807871.3972
1_9	ST-STR-819	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 821,359.05	$ 394,252.35	$ 1,215,611.40	807871.3972
1_9	ST-STR-821	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 821,359.05	$ 394,252.35	$ 1,215,611.40	807871.3972
1_9	ST-STR-822	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 821,359.05	$ 394,252.35	$ 1,215,611.40	807871.3972
1_9	ST-STR-823	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 821,359.05	$ 394,252.35	$ 1,215,611.40	807871.3972
1_9	ST-STR-824	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 821,359.05	$ 394,252.35	$ 1,215,611.40	807871.3972
1_9	ST-STR-1248	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 821,359.05	$ 394,252.35	$ 1,215,611.40	807871.3972
1_9	ST-STR-1249	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 821,359.05	$ 394,252.35	$ 1,215,611.40	807871.3972
1_9	ST-STR-1250	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 821,359.05	$ 394,252.35	$ 1,215,611.40	807871.3972
1_9	ST-STR-1251	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 821,359.05	$ 394,252.35	$ 1,215,611.40	807871.3972
1_9	ST-STR-1252	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 821,359.05	$ 394,252.35	$ 1,215,611.40	807871.3972
1_9	ST-STR-1253	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 821,359.05	$ 394,252.35	$ 1,215,611.40	807871.3972
1_9	ST-STR-1254	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 821,359.05	$ 394,252.35	$ 1,215,611.40	807871.3972
1_9	ST-STR-1422	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 821,359.05	$ 394,252.35	$ 1,215,611.40	807871.3972
1_9	ST-STR-1423	Connector	<Null>	<Null>	<Null>	$ 821,359.05	$ 394,252.35	$ 1,215,611.40	807871.3972
1_9	ST-STR-1424	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 821,359.05	$ 394,252.35	$ 1,215,611.40	807871.3972
1_9	ST-STR-1425	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 821,359.05	$ 394,252.35	$ 1,215,611.40	807871.3972
1_9	ST-STR-1426	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 821,359.05	$ 394,252.35	$ 1,215,611.40	807871.3972
1_9	ST-STR-1427	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 821,359.05	$ 394,252.35	$ 1,215,611.40	807871.3972
1_9	ST-STR-1428	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 821,359.05	$ 394,252.35	$ 1,215,611.40	807871.3972
1_9	ST-STR-1429	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 821,359.05	$ 394,252.35	$ 1,215,611.40	807871.3972
1_9	ST-STR-1044	Connector	<Null>	<Null>	<Null>	$ 821,359.05	$ 394,252.35	$ 1,215,611.40	807871.3972
1_9	ST-STR-1051	Connector	<Null>	<Null>	<Null>	$ 821,359.05	$ 394,252.35	$ 1,215,611.40	807871.3972
1_9	ST-STR-1133	Connector	<Null>	<Null>	<Null>	$ 821,359.05	$ 394,252.35	$ 1,215,611.40	807871.3972
1_9	ST-STR-820	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 821,359.05	$ 394,252.35	$ 1,215,611.40	807871.3972
2_1	ST-MAI-273	Storm Drain Pipe	$ 10,537.62	$ 5,058.06	$ 15,595.67	$ 58,706.67	$ 28,179.20	$ 86,885.87	86885.8689
2_1	ST-MAI-95	Storm Drain Pipe	$ 48,169.05	$ 23,121.15	$ 71,290.20	$ 58,706.67	$ 28,179.20	$ 86,885.87	86885.8689
2_1C	ST-MAI-271a	Channel	<Null>	<Null>	<Null>	$ -	$ -	$ -	#N/A
2_1C	ST-MAI-271b	Channel	<Null>	<Null>	<Null>	$ -	$ -	$ -	#N/A
2_1C	ST-MAI-271c	Channel	<Null>	<Null>	<Null>	$ -	$ -	$ -	#N/A
2_1C	ST-MAI-272	Channel	<Null>	<Null>	<Null>	$ -	$ -	$ -	#N/A
2_1C	ST-MAI-284	Channel	<Null>	<Null>	<Null>	$ -	$ -	$ -	#N/A
2_1C	ST-MAI-43	Channel	<Null>	<Null>	<Null>	$ -	$ -	$ -	#N/A
2_1C	ST-MAI-94	Channel	<Null>	<Null>	<Null>	$ -	$ -	$ -	#N/A

Asset and Project Costs									
Project Info			Asset Costs			Project Costs			
FC_ProjectID	Name	Description	Construction Cost	Cost_Design	Cost_Total	Construction Cost2	P&D Cost	Total Cost	Bundled FC Priority Score
2_2	ST-MAI-714	Storm Drain Pipe	$ 23,846.89	$ 11,446.51	$ 35,293.40	$ 58,787.04	$ 28,217.78	$ 87,004.82	87004.8184
2_2	ST-MAI-715	Storm Drain Pipe	$ 34,940.15	$ 16,771.27	$ 51,711.42	$ 58,787.04	$ 28,217.78	$ 87,004.82	87004.8184
2_2C	ST-MAI-749	Channel	<Null>	<Null>	<Null>	$ -	$ -	$ -	#N/A
2_2C	ST-MAI-751a	Channel	<Null>	<Null>	<Null>	$ -	$ -	$ -	#N/A
2_2C	ST-MAI-751b	Channel	<Null>	<Null>	<Null>	$ -	$ -	$ -	#N/A
2_2C	ST-MAI-873	Channel	<Null>	<Null>	<Null>	$ -	$ -	$ -	#N/A
2_3	ST-MAI-46	Storm Drain Pipe	$ 18,428.19	$ 8,845.53	$ 27,273.71	$ 18,428.19	$ 8,845.53	$ 27,273.71	27273.71416
2_3C	ST-MAI-719	Channel	<Null>	<Null>	<Null>	$ -	$ -	$ -	#N/A
2_3C	ST-MAI-720	Channel	<Null>	<Null>	<Null>	$ -	$ -	$ -	#N/A
2_3C	ST-MAI-721	Channel	<Null>	<Null>	<Null>	$ -	$ -	$ -	#N/A
2_4	ST-MAI-276	Storm Drain Pipe	$ 20,322.86	$ 9,754.97	$ 30,077.84	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-MAI-277	Storm Drain Pipe	$ 143,971.92	$ 69,106.52	$ 213,078.44	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-MAI-279	Storm Drain Pipe	$ 157,889.63	$ 75,787.02	$ 233,676.65	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-MAI-281	Storm Drain Pipe	$ 128,720.32	$ 61,785.75	$ 190,506.08	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-MAI-282	Storm Drain Pipe	$ 478,747.10	$ 229,798.61	$ 708,545.70	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-MAI-283	Storm Drain Pipe	$ 260,710.68	$ 125,141.13	$ 385,851.81	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-MAI-41a	Storm Drain Pipe	$ 229,525.26	$ 110,172.12	$ 339,697.38	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-MAI-42	Storm Drain Pipe	$ 37,488.61	$ 17,994.54	$ 55,483.15	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-MAI-44	Storm Drain Pipe	$ 40,597.70	$ 19,486.90	$ 60,084.60	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-MAI-717	Storm Drain Pipe	$ 18,842.56	$ 9,044.43	$ 27,886.99	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-MAI-744	Storm Drain Pipe	$ 9,682.62	$ 4,647.66	$ 14,330.28	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-MAI-745	Storm Drain Pipe	$ 24,766.81	$ 11,888.07	$ 36,654.88	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-MAI-746	Storm Drain Pipe	$ 27,258.25	$ 13,083.96	$ 40,342.21	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-STR-957	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-STR-292	Other	<Null>	<Null>	<Null>	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-STR-293	Other	<Null>	<Null>	<Null>	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-STR-294	Outlet	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-STR-295	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-STR-296	Other	<Null>	<Null>	<Null>	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-STR-297	Other	<Null>	<Null>	<Null>	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-STR-298	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-STR-299	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-STR-300	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-STR-301	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-STR-302	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-STR-303	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-STR-305	Outlet	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-STR-306	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011

Asset and Project Costs									
Project Info			Asset Costs			Project Costs			
FC_ProjectID	Name	Description	Construction Cost	Cost_Design	Cost_Total	Construction Cost2	P&D Cost	Total Cost	Bundled FC Priority Score
2_4	ST-STR-307	Outlet	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-STR-308	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-STR-309	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-STR-310	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-STR-311	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-STR-313	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-STR-314	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-STR-315	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-STR-316	Other	<Null>	<Null>	<Null>	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-STR-331	Outlet	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-STR-332	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-STR-336	Outlet	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-STR-337	Other	<Null>	<Null>	<Null>	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-STR-747	Other	<Null>	<Null>	<Null>	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-STR-748	Outlet	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-STR-749	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-STR-750	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-STR-751	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-STR-752	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-STR-753	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-STR-754	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-STR-755	Other	<Null>	<Null>	<Null>	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-STR-756	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-STR-757	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-STR-778	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-STR-779	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-STR-780	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-STR-781	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-STR-782	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-STR-783	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-STR-1167	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-STR-1169	Other	<Null>	<Null>	<Null>	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-STR-1171	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-STR-1436	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-STR-992	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-STR-993	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-STR-1032	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-STR-1036	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011

Asset and Project Costs									
Project Info			Asset Costs			Project Costs			
FC_ProjectID	Name	Description	Construction Cost	Cost_Design	Cost_Total	Construction Cost2	P&D Cost	Total Cost	Bundled FC Priority Score
2_4	ST-STR-1089	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-STR-40	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-STR-41	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-STR-42	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-STR-43	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-STR-44	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-STR-153	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-STR-154	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-STR-155	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-STR-156	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-STR-159	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-STR-160	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-STR-161	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-STR-1071	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-STR-1172	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-STR-1173	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-STR-304	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-STR-312	Outlet	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-STR-1090	Connector	<Null>	<Null>	<Null>	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-STR-1437	Connector	<Null>	<Null>	<Null>	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
2_4	ST-STR-1493	Connector	<Null>	<Null>	<Null>	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	2336216.011
3_1	ST-MAI-12	Storm Drain Pipe	$ 37,076.70	$ 17,796.82	$ 54,873.52	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-MAI-1209	Storm Drain Pipe	$ 25,050.51	$ 12,024.24	$ 37,074.75	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-MAI-1210	Storm Drain Pipe	$ 16,725.87	$ 8,028.42	$ 24,754.29	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-MAI-1211	Storm Drain Pipe	$ 22,292.21	$ 10,700.26	$ 32,992.47	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-MAI-14	Storm Drain Pipe	$ 141,815.22	$ 68,071.31	$ 209,886.53	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-MAI-16	Storm Drain Pipe	$ 115,985.73	$ 55,673.15	$ 171,658.88	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-MAI-23	Storm Drain Pipe	$ 741,828.60	$ 356,077.73	$ 1,097,906.33	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-MAI-286	Storm Drain Pipe	$ 16,243.25	$ 7,796.76	$ 24,040.01	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-MAI-287	Storm Drain Pipe	$ 13,089.02	$ 6,282.73	$ 19,371.75	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-MAI-29	Storm Drain Pipe	$ 40,322.44	$ 19,354.77	$ 59,677.21	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-MAI-304	Storm Drain Pipe	$ 10,270.82	$ 4,929.99	$ 15,200.81	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-MAI-305	Storm Drain Pipe	$ 11,279.80	$ 5,414.31	$ 16,694.11	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-MAI-319	Storm Drain Pipe	$ 68,717.12	$ 32,984.22	$ 101,701.34	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-MAI-322	Storm Drain Pipe	$ 43,134.33	$ 20,704.48	$ 63,838.81	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-MAI-34	Storm Drain Pipe	$ 147,582.23	$ 70,839.47	$ 218,421.70	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-MAI-453	Storm Drain Pipe	$ 12,496.83	$ 5,998.48	$ 18,495.30	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-MAI-454	Storm Drain Pipe	$ 80,820.48	$ 38,793.83	$ 119,614.31	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6

Asset and Project Costs									
Project Info			Asset Costs			Project Costs			
FC_ProjectID	Name	Description	Construction Cost	Cost_Design	Cost_Total	Construction Cost2	P&D Cost	Total Cost	Bundled FC Priority Score
3_1	ST-MAI-733	Storm Drain Pipe	$ 22,038.17	$ 10,578.32	$ 32,616.49	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-MAI-736	Storm Drain Pipe	$ 83,972.27	$ 40,306.69	$ 124,278.96	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-MAI-738	Storm Drain Pipe	$ 42,216.86	$ 20,264.09	$ 62,480.95	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-MAI-739	Storm Drain Pipe	$ 8,122.44	$ 3,898.77	$ 12,021.22	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-MAI-741	Storm Drain Pipe	$ 40,691.48	$ 19,531.91	$ 60,223.39	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-MAI-762	Storm Drain Pipe	$ 27,253.24	$ 13,081.56	$ 40,334.80	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-MAI-763	Storm Drain Pipe	$ 9,094.39	$ 4,365.31	$ 13,459.70	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-MAI-913	Storm Drain Pipe	$ 3,237.10	$ 1,553.81	$ 4,790.90	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-MAI-914	Storm Drain Pipe	$ 30,577.61	$ 14,677.25	$ 45,254.87	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-MAI-915	Storm Drain Pipe	$ 22,733.27	$ 10,911.97	$ 33,645.24	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-MAI-916	Storm Drain Pipe	$ 14,092.54	$ 6,764.42	$ 20,856.96	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-907	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-921	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-922	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-949	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-950	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-951	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-952	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-953	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-954	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-958	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-196	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-197	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-253	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-255	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-256	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-317	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-318	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-319	Outlet	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-320	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-321	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-329	Other	<Null>	<Null>	<Null>	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-330	Outlet	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-334	Outlet	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-335	Other	<Null>	<Null>	<Null>	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-339	Outlet	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-340	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-341	Outlet	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6

Asset and Project Costs									
Project Info			Asset Costs			Project Costs			
FC_ProjectID	Name	Description	Construction Cost	Cost_Design	Cost_Total	Construction Cost2	P&D Cost	Total Cost	Bundled FC Priority Score
3_1	ST-STR-342	Other	<Null>	<Null>	<Null>	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-343	Other	<Null>	<Null>	<Null>	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-344	Outlet	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-345	Other	<Null>	<Null>	<Null>	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-346	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-347	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-348	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-349	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-350	Other	<Null>	<Null>	<Null>	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-351	Other	<Null>	<Null>	<Null>	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-352	Outlet	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-353	Other	<Null>	<Null>	<Null>	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-354	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-355	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-357	Outlet	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-361	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-362	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-493	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-495	Other	<Null>	<Null>	<Null>	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-496	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-497	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-498	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-499	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-500	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-681	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-682	Connector	<Null>	<Null>	<Null>	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-683	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-684	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-685	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-686	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-687	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-688	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-702	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-703	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-704	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-705	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-706	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-707	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6

Asset and Project Costs									
Project Info			Asset Costs			Project Costs			
FC_ProjectID	Name	Description	Construction Cost	Cost_Design	Cost_Total	Construction Cost2	P&D Cost	Total Cost	Bundled FC Priority Score
3_1	ST-STR-708	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-709	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-711	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-712	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-713	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-714	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-715	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-716	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-717	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-718	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-719	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-743	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-744	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-766	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-767	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-768	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-769	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-770	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-771	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-772	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-773	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-774	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-775	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-777	Outlet	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-785	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-786	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-787	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-788	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-789	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-790	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-791	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-792	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-793	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-794	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-795	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-796	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-797	Connector	<Null>	<Null>	<Null>	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-798	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6

Asset and Project Costs									
Project Info			Asset Costs			Project Costs			
FC_ProjectID	Name	Description	Construction Cost	Cost_Design	Cost_Total	Construction Cost2	P&D Cost	Total Cost	Bundled FC Priority Score
3_1	ST-STR-804	Outlet	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-805	Other	<Null>	<Null>	<Null>	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-896	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-897	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-1175	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-1179	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-1180	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-1181	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-1182	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-1183	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-1184	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-1185	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-1186	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-984	Connector	<Null>	<Null>	<Null>	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-1003	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-1006	Connector	<Null>	<Null>	<Null>	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-1007	Connector	<Null>	<Null>	<Null>	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-1025	Connector	<Null>	<Null>	<Null>	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-1026	Connector	<Null>	<Null>	<Null>	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-1027	Connector	<Null>	<Null>	<Null>	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-1028	Connector	<Null>	<Null>	<Null>	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-1030	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-1033	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-1034	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-1035	Connector	<Null>	<Null>	<Null>	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-1037	Connector	<Null>	<Null>	<Null>	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-1038	Connector	<Null>	<Null>	<Null>	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-1039	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-1098	Connector	<Null>	<Null>	<Null>	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-1102	Connector	<Null>	<Null>	<Null>	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-1103	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-1104	Connector	<Null>	<Null>	<Null>	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-1144	Connector	<Null>	<Null>	<Null>	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-1146	Connector	<Null>	<Null>	<Null>	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-1147	Connector	<Null>	<Null>	<Null>	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-1148	Connector	<Null>	<Null>	<Null>	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-1149	Connector	<Null>	<Null>	<Null>	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-1150	Connector	<Null>	<Null>	<Null>	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6

Asset and Project Costs									
Project Info			Asset Costs			Project Costs			
FC_ProjectID	Name	Description	Construction Cost	Cost_Design	Cost_Total	Construction Cost2	P&D Cost	Total Cost	Bundled FC Priority Score
3_1	ST-STR-1151	Connector	<Null>	<Null>	<Null>	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-15	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-16	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-49	Outlet	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-53	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-56	Other	<Null>	<Null>	<Null>	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-58	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-64	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-93	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-94	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-98	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-100	Connector	<Null>	<Null>	<Null>	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-133	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-135	Other	<Null>	<Null>	<Null>	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-136	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-137	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-138	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-157	Connector	<Null>	<Null>	<Null>	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-158	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-163	Outlet	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-164	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-165	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-166	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-167	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-168	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-169	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-170	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-171	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-172	Connector	<Null>	<Null>	<Null>	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-187	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-57	Connector	<Null>	<Null>	<Null>	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-356	Other	<Null>	<Null>	<Null>	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-776	Other	<Null>	<Null>	<Null>	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-1004	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-1005	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-333	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-338	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-494	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6

Asset and Project Costs									
Project Info			Asset Costs			Project Costs			
FC_ProjectID	Name	Description	Construction Cost	Cost_Design	Cost_Total	Construction Cost2	P&D Cost	Total Cost	Bundled FC Priority Score
3_1	ST-STR-701	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-784	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-799	Outlet	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-99	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-162	Connector	<Null>	<Null>	<Null>	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_1	ST-STR-1494	Connector	<Null>	<Null>	<Null>	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	2736165.6
3_10	ST-MAI-197	Storm Drain Pipe	$ 45,161.94	$ 21,677.73	$ 66,839.68	$ 58,936.94	$ 28,289.73	$ 87,226.68	66839.67642
3_10	ST-STR-710	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 58,936.94	$ 28,289.73	$ 87,226.68	66839.67642
3_11	ST-MAI-497	Storm Drain Pipe	$ 13,003.27	$ 6,241.57	$ 19,244.84	$ 120,075.33	$ 57,636.16	$ 177,711.49	177711.4918
3_11	ST-MAI-498	Storm Drain Pipe	$ 24,738.37	$ 11,874.42	$ 36,612.79	$ 120,075.33	$ 57,636.16	$ 177,711.49	177711.4918
3_11	ST-MAI-499	Storm Drain Pipe	$ 82,333.69	$ 39,520.17	$ 121,853.86	$ 120,075.33	$ 57,636.16	$ 177,711.49	177711.4918
3_12	ST-MAI-512	Storm Drain Pipe	$ 41,700.63	$ 20,016.30	$ 61,716.94	$ 41,700.63	$ 20,016.30	$ 61,716.94	61716.93673
3_13	ST-MAI-728	Storm Drain Pipe	$ 83,421.27	$ 40,042.21	$ 123,463.47	$ 589,749.15	$ 283,079.59	$ 872,828.74	603977.8611
3_13	ST-MAI-729	Storm Drain Pipe	$ 143,488.69	$ 68,874.57	$ 212,363.26	$ 589,749.15	$ 283,079.59	$ 872,828.74	603977.8611
3_13	ST-MAI-730	Storm Drain Pipe	$ 73,253.37	$ 35,161.62	$ 108,414.99	$ 589,749.15	$ 283,079.59	$ 872,828.74	603977.8611
3_13	ST-MAI-731	Storm Drain Pipe	$ 43,331.07	$ 20,798.92	$ 64,129.99	$ 589,749.15	$ 283,079.59	$ 872,828.74	603977.8611
3_13	ST-MAI-732	Storm Drain Pipe	$ 64,598.75	$ 31,007.40	$ 95,606.15	$ 589,749.15	$ 283,079.59	$ 872,828.74	603977.8611
3_13	ST-STR-956	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 589,749.15	$ 283,079.59	$ 872,828.74	603977.8611
3_13	ST-STR-745	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 589,749.15	$ 283,079.59	$ 872,828.74	603977.8611
3_13	ST-STR-746	Other	<Null>	<Null>	<Null>	$ 589,749.15	$ 283,079.59	$ 872,828.74	603977.8611
3_13	ST-STR-758	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 589,749.15	$ 283,079.59	$ 872,828.74	603977.8611
3_13	ST-STR-759	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 589,749.15	$ 283,079.59	$ 872,828.74	603977.8611
3_13	ST-STR-760	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 589,749.15	$ 283,079.59	$ 872,828.74	603977.8611
3_13	ST-STR-761	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 589,749.15	$ 283,079.59	$ 872,828.74	603977.8611
3_13	ST-STR-762	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 589,749.15	$ 283,079.59	$ 872,828.74	603977.8611
3_13	ST-STR-763	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 589,749.15	$ 283,079.59	$ 872,828.74	603977.8611
3_13	ST-STR-764	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 589,749.15	$ 283,079.59	$ 872,828.74	603977.8611
3_13	ST-STR-765	Outlet	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 589,749.15	$ 283,079.59	$ 872,828.74	603977.8611
3_13	ST-STR-1165	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 589,749.15	$ 283,079.59	$ 872,828.74	603977.8611
3_13	ST-STR-1168	Other	<Null>	<Null>	<Null>	$ 589,749.15	$ 283,079.59	$ 872,828.74	603977.8611
3_13	ST-STR-1031	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 589,749.15	$ 283,079.59	$ 872,828.74	603977.8611
3_13	ST-STR-1088	Connector	<Null>	<Null>	<Null>	$ 589,749.15	$ 283,079.59	$ 872,828.74	603977.8611
3_13	ST-STR-149	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 589,749.15	$ 283,079.59	$ 872,828.74	603977.8611
3_13	ST-STR-150	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 589,749.15	$ 283,079.59	$ 872,828.74	603977.8611
3_13	ST-STR-151	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 589,749.15	$ 283,079.59	$ 872,828.74	603977.8611
3_13	ST-STR-152	Connector	<Null>	<Null>	<Null>	$ 589,749.15	$ 283,079.59	$ 872,828.74	603977.8611
3_13	J132067	Other	<Null>	<Null>	<Null>	$ 589,749.15	$ 283,079.59	$ 872,828.74	603977.8611
3_13	ST-STR-1091	Connector	<Null>	<Null>	<Null>	$ 589,749.15	$ 283,079.59	$ 872,828.74	603977.8611

Asset and Project Costs									
Project Info			Asset Costs			Project Costs			
FC_ProjectID	Name	Description	Construction Cost	Cost_Design	Cost_Total	Construction Cost2	P&D Cost	Total Cost	Bundled FC Priority Score
3_13	ST-STR-1438	Connector	<Null>	<Null>	<Null>	$ 589,749.15	$ 283,079.59	$ 872,828.74	603977.8611
3_14	ST-MAI-773	Storm Drain Pipe	$ 34,689.27	$ 16,650.85	$ 51,340.12	$ 62,239.27	$ 29,874.85	$ 92,114.12	51340.1178
3_14	ST-STR-802	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 62,239.27	$ 29,874.85	$ 92,114.12	51340.1178
3_14	ST-STR-803	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 62,239.27	$ 29,874.85	$ 92,114.12	51340.1178
3_1C	ST-MAI-10	Channel	<Null>	<Null>	<Null>	$ -	$ -	$ -	#N/A
3_1C	ST-MAI-11a	Channel	<Null>	<Null>	<Null>	$ -	$ -	$ -	#N/A
3_1C	ST-MAI-11b	Channel	<Null>	<Null>	<Null>	$ -	$ -	$ -	#N/A
3_1C	ST-MAI-141	Channel	<Null>	<Null>	<Null>	$ -	$ -	$ -	#N/A
3_1C	ST-MAI-19a	Channel	<Null>	<Null>	<Null>	$ -	$ -	$ -	#N/A
3_1C	ST-MAI-19c	Channel	<Null>	<Null>	<Null>	$ -	$ -	$ -	#N/A
3_1C	ST-MAI-28a	Channel	<Null>	<Null>	<Null>	$ -	$ -	$ -	#N/A
3_1C	ST-MAI-28b	Channel	<Null>	<Null>	<Null>	$ -	$ -	$ -	#N/A
3_1C	ST-MAI-37	Channel	<Null>	<Null>	<Null>	$ -	$ -	$ -	#N/A
3_1C	ST-MAI-45a	Channel	<Null>	<Null>	<Null>	$ -	$ -	$ -	#N/A
3_1C	ST-MAI-45b	Channel	<Null>	<Null>	<Null>	$ -	$ -	$ -	#N/A
3_1C	ST-MAI-45c	Channel	<Null>	<Null>	<Null>	$ -	$ -	$ -	#N/A
3_1C	ST-MAI-45e	Channel	<Null>	<Null>	<Null>	$ -	$ -	$ -	#N/A
3_1C	ST-MAI-45f	Channel	<Null>	<Null>	<Null>	$ -	$ -	$ -	#N/A
3_1C	ST-MAI-45g	Channel	<Null>	<Null>	<Null>	$ -	$ -	$ -	#N/A
3_1C	ST-MAI-45h	Channel	<Null>	<Null>	<Null>	$ -	$ -	$ -	#N/A
3_1C	ST-MAI-460a	Channel	<Null>	<Null>	<Null>	$ -	$ -	$ -	#N/A
3_1C	ST-MAI-460b	Channel	<Null>	<Null>	<Null>	$ -	$ -	$ -	#N/A
3_1C	ST-MAI-460c	Channel	<Null>	<Null>	<Null>	$ -	$ -	$ -	#N/A
3_1C	ST-MAI-55	Channel	<Null>	<Null>	<Null>	$ -	$ -	$ -	#N/A
3_1C	ST-MAI-625a	Channel	<Null>	<Null>	<Null>	$ -	$ -	$ -	#N/A
3_1C	ST-MAI-625b	Channel	<Null>	<Null>	<Null>	$ -	$ -	$ -	#N/A
3_2	ST-MAI-206	Storm Drain Pipe	$ 32,148.00	$ 15,431.04	$ 47,579.04	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-MAI-315	Storm Drain Pipe	$ 40,379.84	$ 19,382.32	$ 59,762.17	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-MAI-316	Storm Drain Pipe	$ 11,095.13	$ 5,325.66	$ 16,420.80	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-MAI-317	Storm Drain Pipe	$ 71,997.22	$ 34,558.66	$ 106,555.88	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-MAI-339	Storm Drain Pipe	$ 9,940.29	$ 4,771.34	$ 14,711.62	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-MAI-341	Storm Drain Pipe	$ 12,525.66	$ 6,012.31	$ 18,537.97	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-MAI-432	Storm Drain Pipe	$ 47,615.12	$ 22,855.26	$ 70,470.38	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-MAI-433	Storm Drain Pipe	$ 150,463.16	$ 72,222.32	$ 222,685.48	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-MAI-434	Storm Drain Pipe	$ 9,405.14	$ 4,514.47	$ 13,919.61	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-908	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-909	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-910	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521

Asset and Project Costs									
Project Info			Asset Costs			Project Costs			
FC_ProjectID	Name	Description	Construction Cost	Cost_Design	Cost_Total	Construction Cost2	P&D Cost	Total Cost	Bundled FC Priority Score
3_2	ST-STR-920	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-927	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-928	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-929	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-195	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-198	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-199	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-200	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-201	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-202	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-213	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-358	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-359	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-360	Other	<Null>	<Null>	<Null>	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-383	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-384	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-385	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-386	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-387	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-388	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-389	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-390	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-391	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-392	Other	<Null>	<Null>	<Null>	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-479	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-480	Other	<Null>	<Null>	<Null>	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-481	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-482	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-483	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-484	Connector	<Null>	<Null>	<Null>	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-485	Connector	<Null>	<Null>	<Null>	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-486	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-487	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-488	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-489	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-490	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-491	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-492	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521

Asset and Project Costs									
Project Info			Asset Costs			Project Costs			
FC_ProjectID	Name	Description	Construction Cost	Cost_Design	Cost_Total	Construction Cost2	P&D Cost	Total Cost	Bundled FC Priority Score
3_2	ST-STR-524	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-540	Outlet	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-541	Outlet	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-542	Outlet	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-543	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-544	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-545	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-546	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-547	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-548	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-549	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-550	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-551	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-552	Connector	<Null>	<Null>	<Null>	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-553	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-554	Connector	<Null>	<Null>	<Null>	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-555	Other	<Null>	<Null>	<Null>	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-556	Connector	<Null>	<Null>	<Null>	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-557	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-558	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-800	Outlet	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-801	Other	<Null>	<Null>	<Null>	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-994	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-1001	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-1002	Connector	<Null>	<Null>	<Null>	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-1013	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-1118	Connector	<Null>	<Null>	<Null>	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-65	Connector	<Null>	<Null>	<Null>	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-96	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-97	Outlet	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-107	Connector	<Null>	<Null>	<Null>	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-108	Connector	<Null>	<Null>	<Null>	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-109	Connector	<Null>	<Null>	<Null>	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-110	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-111	Connector	<Null>	<Null>	<Null>	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-12	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-1501	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-1502	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521

Asset and Project Costs									
Project Info			Asset Costs			Project Costs			
FC_ProjectID	Name	Description	Construction Cost	Cost_Design	Cost_Total	Construction Cost2	P&D Cost	Total Cost	Bundled FC Priority Score
3_2	ST-STR-1503	Connector	<Null>	<Null>	<Null>	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-219	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_2	ST-STR-95	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	570642.9521
3_3	ST-MAI-200	Storm Drain Pipe	$ 64,867.48	$ 31,136.39	$ 96,003.86	$ 295,411.65	$ 141,797.59	$ 437,209.25	437209.2482
3_3	ST-MAI-201	Storm Drain Pipe	$ 64,594.98	$ 31,005.59	$ 95,600.58	$ 295,411.65	$ 141,797.59	$ 437,209.25	437209.2482
3_3	ST-MAI-438	Storm Drain Pipe	$ 8,050.34	$ 3,864.16	$ 11,914.50	$ 295,411.65	$ 141,797.59	$ 437,209.25	437209.2482
3_3	ST-MAI-439	Storm Drain Pipe	$ 5,571.54	$ 2,674.34	$ 8,245.88	$ 295,411.65	$ 141,797.59	$ 437,209.25	437209.2482
3_3	ST-MAI-443	Storm Drain Pipe	$ 118,424.20	$ 56,843.62	$ 175,267.81	$ 295,411.65	$ 141,797.59	$ 437,209.25	437209.2482
3_3	ST-MAI-483	Storm Drain Pipe	$ 33,903.12	$ 16,273.50	$ 50,176.61	$ 295,411.65	$ 141,797.59	$ 437,209.25	437209.2482
3_4	ST-MAI-515	Storm Drain Pipe	$ 16,500.47	$ 7,920.22	$ 24,420.69	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-MAI-633	Storm Drain Pipe	$ 28,185.30	$ 13,528.95	$ 41,714.25	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-MAI-634	Storm Drain Pipe	$ 56,462.55	$ 27,102.02	$ 83,564.58	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-MAI-635	Storm Drain Pipe	$ 13,869.03	$ 6,657.13	$ 20,526.16	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-930	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-932	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-933	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-559	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-560	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-561	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-562	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-563	Outlet	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-564	Other	<Null>	<Null>	<Null>	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-565	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-566	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-567	Connector	<Null>	<Null>	<Null>	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-568	Connector	<Null>	<Null>	<Null>	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-569	Other	<Null>	<Null>	<Null>	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-570	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-571	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-572	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-573	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-574	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-575	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-576	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-577	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-578	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-579	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-580	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751

Asset and Project Costs									
Project Info			Asset Costs			Project Costs			
FC_ProjectID	Name	Description	Construction Cost	Cost_Design	Cost_Total	Construction Cost2	P&D Cost	Total Cost	Bundled FC Priority Score
3_4	ST-STR-581	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-582	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-583	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-584	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-585	Other	<Null>	<Null>	<Null>	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-586	Other	<Null>	<Null>	<Null>	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-587	Outlet	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-588	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-589	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-590	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-591	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-592	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-593	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-594	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-595	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-596	Other	<Null>	<Null>	<Null>	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-597	Outlet	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-598	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-600	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-601	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-602	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-603	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-675	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-676	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-677	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-678	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-679	Outlet	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-680	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-691	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-1170	Other	<Null>	<Null>	<Null>	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-1014	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-1015	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-1016	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-1017	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-1018	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-1019	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-1092	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-1093	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751

Asset and Project Costs									
Project Info			Asset Costs			Project Costs			
FC_ProjectID	Name	Description	Construction Cost	Cost_Design	Cost_Total	Construction Cost2	P&D Cost	Total Cost	Bundled FC Priority Score
3_4	ST-STR-112	Connector	<Null>	<Null>	<Null>	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-113	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-114	Connector	<Null>	<Null>	<Null>	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-115	Connector	<Null>	<Null>	<Null>	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-116	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-117	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-118	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-119	Connector	<Null>	<Null>	<Null>	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-1074	Connector	<Null>	<Null>	<Null>	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-605	Other	<Null>	<Null>	<Null>	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-599	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-604	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-606	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-636	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-1119	Connector	<Null>	<Null>	<Null>	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-120	Connector	<Null>	<Null>	<Null>	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_4	ST-STR-127	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	170225.6751
3_5	ST-MAI-32	Storm Drain Pipe	$ 10,144.05	$ 4,869.14	$ 15,013.19	$ 1,333,291.85	$ 639,980.09	$ 1,973,271.94	1761075.459
3_5	ST-MAI-33	Storm Drain Pipe	$ 79,038.79	$ 37,938.62	$ 116,977.41	$ 1,333,291.85	$ 639,980.09	$ 1,973,271.94	1761075.459
3_5	ST-MAI-35	Storm Drain Pipe	$ 222,360.48	$ 106,733.03	$ 329,093.51	$ 1,333,291.85	$ 639,980.09	$ 1,973,271.94	1761075.459
3_5	ST-MAI-574	Storm Drain Pipe	$ 11,718.93	$ 5,625.09	$ 17,344.02	$ 1,333,291.85	$ 639,980.09	$ 1,973,271.94	1761075.459
3_5	ST-MAI-632	Storm Drain Pipe	$ 28,531.32	$ 13,695.03	$ 42,226.35	$ 1,333,291.85	$ 639,980.09	$ 1,973,271.94	1761075.459
3_5	ST-MAI-645	Storm Drain Pipe	$ 3,049.22	$ 1,463.63	$ 4,512.85	$ 1,333,291.85	$ 639,980.09	$ 1,973,271.94	1761075.459
3_5	ST-MAI-646	Storm Drain Pipe	$ 11,226.39	$ 5,388.67	$ 16,615.06	$ 1,333,291.85	$ 639,980.09	$ 1,973,271.94	1761075.459
3_5	ST-MAI-648	Storm Drain Pipe	$ 180,085.46	$ 86,441.02	$ 266,526.48	$ 1,333,291.85	$ 639,980.09	$ 1,973,271.94	1761075.459
3_5	ST-MAI-649	Storm Drain Pipe	$ 43,284.07	$ 20,776.35	$ 64,060.43	$ 1,333,291.85	$ 639,980.09	$ 1,973,271.94	1761075.459
3_5	ST-MAI-650	Storm Drain Pipe	$ 60,916.57	$ 29,239.95	$ 90,156.52	$ 1,333,291.85	$ 639,980.09	$ 1,973,271.94	1761075.459
3_5	ST-MAI-651	Storm Drain Pipe	$ 5,772.29	$ 2,770.70	$ 8,542.99	$ 1,333,291.85	$ 639,980.09	$ 1,973,271.94	1761075.459
3_5	ST-MAI-652	Storm Drain Pipe	$ 89,568.53	$ 42,992.89	$ 132,561.42	$ 1,333,291.85	$ 639,980.09	$ 1,973,271.94	1761075.459
3_5	ST-MAI-653	Storm Drain Pipe	$ 31,360.33	$ 15,052.96	$ 46,413.29	$ 1,333,291.85	$ 639,980.09	$ 1,973,271.94	1761075.459
3_5	ST-MAI-654	Storm Drain Pipe	$ 48,854.35	$ 23,450.09	$ 72,304.44	$ 1,333,291.85	$ 639,980.09	$ 1,973,271.94	1761075.459
3_5	ST-MAI-655	Storm Drain Pipe	$ 303,805.23	$ 145,826.51	$ 449,631.74	$ 1,333,291.85	$ 639,980.09	$ 1,973,271.94	1761075.459
3_5	ST-MAI-656	Storm Drain Pipe	$ 17,204.63	$ 8,258.22	$ 25,462.85	$ 1,333,291.85	$ 639,980.09	$ 1,973,271.94	1761075.459
3_5	ST-MAI-659	Storm Drain Pipe	$ 42,995.21	$ 20,637.70	$ 63,632.91	$ 1,333,291.85	$ 639,980.09	$ 1,973,271.94	1761075.459
3_5	ST-STR-931	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 1,333,291.85	$ 639,980.09	$ 1,973,271.94	1761075.459
3_5	ST-STR-948	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 1,333,291.85	$ 639,980.09	$ 1,973,271.94	1761075.459
3_5	ST-STR-689	Connector	<Null>	<Null>	<Null>	$ 1,333,291.85	$ 639,980.09	$ 1,973,271.94	1761075.459
3_5	ST-STR-690	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,333,291.85	$ 639,980.09	$ 1,973,271.94	1761075.459

Asset and Project Costs									
Project Info			Asset Costs			Project Costs			
FC_ProjectID	Name	Description	Construction Cost	Cost_Design	Cost_Total	Construction Cost2	P&D Cost	Total Cost	Bundled FC Priority Score
3_5	ST-STR-692	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,333,291.85	$ 639,980.09	$ 1,973,271.94	1761075.459
3_5	ST-STR-693	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,333,291.85	$ 639,980.09	$ 1,973,271.94	1761075.459
3_5	ST-STR-694	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,333,291.85	$ 639,980.09	$ 1,973,271.94	1761075.459
3_5	ST-STR-695	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 1,333,291.85	$ 639,980.09	$ 1,973,271.94	1761075.459
3_5	ST-STR-696	Other	<Null>	<Null>	<Null>	$ 1,333,291.85	$ 639,980.09	$ 1,973,271.94	1761075.459
3_5	ST-STR-697	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,333,291.85	$ 639,980.09	$ 1,973,271.94	1761075.459
3_5	ST-STR-698	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,333,291.85	$ 639,980.09	$ 1,973,271.94	1761075.459
3_5	ST-STR-699	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,333,291.85	$ 639,980.09	$ 1,973,271.94	1761075.459
3_5	ST-STR-700	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,333,291.85	$ 639,980.09	$ 1,973,271.94	1761075.459
3_5	ST-STR-1029	Connector	<Null>	<Null>	<Null>	$ 1,333,291.85	$ 639,980.09	$ 1,973,271.94	1761075.459
3_5	ST-STR-134	Connector	<Null>	<Null>	<Null>	$ 1,333,291.85	$ 639,980.09	$ 1,973,271.94	1761075.459
3_6	ST-MAI-630	Storm Drain Pipe	$ 9,374.72	$ 4,499.87	$ 13,874.59	$ 201,072.85	$ 96,514.97	$ 297,587.81	49939.41407
3_6	ST-MAI-631	Storm Drain Pipe	$ 24,368.12	$ 11,696.70	$ 36,064.82	$ 201,072.85	$ 96,514.97	$ 297,587.81	49939.41407
3_6	ST-STR-945	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 201,072.85	$ 96,514.97	$ 297,587.81	49939.41407
3_6	ST-STR-946	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 201,072.85	$ 96,514.97	$ 297,587.81	49939.41407
3_6	ST-STR-947	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 201,072.85	$ 96,514.97	$ 297,587.81	49939.41407
3_6	ST-STR-661	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 201,072.85	$ 96,514.97	$ 297,587.81	49939.41407
3_6	ST-STR-662	Outlet	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 201,072.85	$ 96,514.97	$ 297,587.81	49939.41407
3_6	ST-STR-667	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 201,072.85	$ 96,514.97	$ 297,587.81	49939.41407
3_6	ST-STR-668	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 201,072.85	$ 96,514.97	$ 297,587.81	49939.41407
3_6	ST-STR-669	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 201,072.85	$ 96,514.97	$ 297,587.81	49939.41407
3_6	ST-STR-670	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 201,072.85	$ 96,514.97	$ 297,587.81	49939.41407
3_6	ST-STR-671	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 201,072.85	$ 96,514.97	$ 297,587.81	49939.41407
3_6	ST-STR-672	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 201,072.85	$ 96,514.97	$ 297,587.81	49939.41407
3_6	ST-STR-673	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 201,072.85	$ 96,514.97	$ 297,587.81	49939.41407
3_6	ST-STR-674	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 201,072.85	$ 96,514.97	$ 297,587.81	49939.41407
3_6	ST-STR-1113	Connector	<Null>	<Null>	<Null>	$ 201,072.85	$ 96,514.97	$ 297,587.81	49939.41407
3_6	ST-STR-131	Connector	<Null>	<Null>	<Null>	$ 201,072.85	$ 96,514.97	$ 297,587.81	49939.41407
3_6	ST-STR-132	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 201,072.85	$ 96,514.97	$ 297,587.81	49939.41407
3_7	ST-MAI-621	Storm Drain Pipe	$ 16,920.91	$ 8,122.04	$ 25,042.95	$ 43,541.87	$ 20,900.10	$ 64,441.96	64441.96361
3_7	ST-MAI-626	Storm Drain Pipe	$ 8,924.66	$ 4,283.84	$ 13,208.50	$ 43,541.87	$ 20,900.10	$ 64,441.96	64441.96361
3_7	ST-MAI-628	Storm Drain Pipe	$ 17,696.30	$ 8,494.22	$ 26,190.52	$ 43,541.87	$ 20,900.10	$ 64,441.96	64441.96361
3_8	ST-MAI-192	Storm Drain Pipe	$ 39,995.15	$ 19,197.67	$ 59,192.82	$ 642,009.44	$ 308,164.53	$ 950,173.97	950173.9668
3_8	ST-MAI-539	Storm Drain Pipe	$ 21,129.13	$ 10,141.98	$ 31,271.12	$ 642,009.44	$ 308,164.53	$ 950,173.97	950173.9668
3_8	ST-MAI-540	Storm Drain Pipe	$ 21,123.48	$ 10,139.27	$ 31,262.75	$ 642,009.44	$ 308,164.53	$ 950,173.97	950173.9668
3_8	ST-MAI-541	Storm Drain Pipe	$ 163,215.74	$ 78,343.55	$ 241,559.29	$ 642,009.44	$ 308,164.53	$ 950,173.97	950173.9668
3_8	ST-MAI-542	Storm Drain Pipe	$ 37,865.38	$ 18,175.38	$ 56,040.76	$ 642,009.44	$ 308,164.53	$ 950,173.97	950173.9668
3_8	ST-MAI-543	Storm Drain Pipe	$ 46,612.39	$ 22,373.95	$ 68,986.34	$ 642,009.44	$ 308,164.53	$ 950,173.97	950173.9668

Asset and Project Costs									
Project Info			Asset Costs			Project Costs			
FC_ProjectID	Name	Description	Construction Cost	Cost_Design	Cost_Total	Construction Cost2	P&D Cost	Total Cost	Bundled FC Priority Score
3_8	ST-MAI-544	Storm Drain Pipe	$ 50,528.84	$ 24,253.84	$ 74,782.69	$ 642,009.44	$ 308,164.53	$ 950,173.97	950173.9668
3_8	ST-MAI-551	Storm Drain Pipe	$ 31,332.03	$ 15,039.37	$ 46,371.40	$ 642,009.44	$ 308,164.53	$ 950,173.97	950173.9668
3_8	ST-MAI-552	Storm Drain Pipe	$ 87,443.33	$ 41,972.80	$ 129,416.13	$ 642,009.44	$ 308,164.53	$ 950,173.97	950173.9668
3_8	ST-MAI-553	Storm Drain Pipe	$ 45,777.86	$ 21,973.37	$ 67,751.23	$ 642,009.44	$ 308,164.53	$ 950,173.97	950173.9668
3_8	ST-MAI-554	Storm Drain Pipe	$ 89,181.18	$ 42,806.97	$ 131,988.15	$ 642,009.44	$ 308,164.53	$ 950,173.97	950173.9668
3_8	ST-MAI-932	Storm Drain Pipe	$ 7,804.92	$ 3,746.36	$ 11,551.28	$ 642,009.44	$ 308,164.53	$ 950,173.97	950173.9668
3_9	ST-MAI-17	Storm Drain Pipe	$ 9,189.22	$ 4,410.82	$ 13,600.04	$ 424,372.46	$ 203,698.78	$ 628,071.24	628071.244
3_9	ST-MAI-24	Storm Drain Pipe	$ 90,127.00	$ 43,260.96	$ 133,387.96	$ 424,372.46	$ 203,698.78	$ 628,071.24	628071.244
3_9	ST-MAI-27	Storm Drain Pipe	$ 112,608.01	$ 54,051.85	$ 166,659.86	$ 424,372.46	$ 203,698.78	$ 628,071.24	628071.244
3_9	ST-MAI-675	Storm Drain Pipe	$ 9,143.43	$ 4,388.84	$ 13,532.27	$ 424,372.46	$ 203,698.78	$ 628,071.24	628071.244
3_9	ST-MAI-676	Storm Drain Pipe	$ 55,730.41	$ 26,750.60	$ 82,481.01	$ 424,372.46	$ 203,698.78	$ 628,071.24	628071.244
3_9	ST-MAI-677	Storm Drain Pipe	$ 58,152.43	$ 27,913.16	$ 86,065.59	$ 424,372.46	$ 203,698.78	$ 628,071.24	628071.244
3_9	ST-MAI-768	Storm Drain Pipe	$ 60,684.19	$ 29,128.41	$ 89,812.61	$ 424,372.46	$ 203,698.78	$ 628,071.24	628071.244
3_9	ST-MAI-970	Storm Drain Pipe	$ 28,737.77	$ 13,794.13	$ 42,531.90	$ 424,372.46	$ 203,698.78	$ 628,071.24	628071.244
4_1	CMS_1	Storm Drain Pipe	$ 87,706.39	$ 42,099.07	$ 129,805.46	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-MAI-105	Storm Drain Pipe	$ 99,633.08	$ 47,823.88	$ 147,456.96	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-MAI-112	Storm Drain Pipe	$ 71,224.64	$ 34,187.83	$ 105,412.47	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-MAI-560	Storm Drain Pipe	$ 238,861.66	$ 114,653.59	$ 353,515.25	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-MAI-561	Storm Drain Pipe	$ 107,084.00	$ 51,400.32	$ 158,484.32	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-MAI-562	Storm Drain Pipe	$ 14,748.46	$ 7,079.26	$ 21,827.72	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-MAI-563	Storm Drain Pipe	$ 39,298.30	$ 18,863.19	$ 58,161.49	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-MAI-564	Storm Drain Pipe	$ 128,258.60	$ 61,564.13	$ 189,822.73	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-418	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-629	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-630	Outlet	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-634	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-635	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-664	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-665	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-911	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-912	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-934	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-935	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-936	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-210	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-211	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-212	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-415	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396

Asset and Project Costs									
Project Info			Asset Costs			Project Costs			
FC_ProjectID	Name	Description	Construction Cost	Cost_Design	Cost_Total	Construction Cost2	P&D Cost	Total Cost	Bundled FC Priority Score
4_1	ST-STR-416	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-417	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-420	Other	<Null>	<Null>	<Null>	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-422	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-423	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-425	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-609	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-610	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-611	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-612	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-613	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-614	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-615	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-616	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-617	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-618	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-619	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-620	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-621	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-622	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-623	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-624	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-625	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-626	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-627	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-628	Outlet	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-631	Outlet	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-632	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-633	Outlet	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-637	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-638	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-666	Other	<Null>	<Null>	<Null>	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-1199	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-1200	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-1201	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-1202	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-1203	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-1204	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396

Asset and Project Costs									
Project Info			Asset Costs			Project Costs			
FC_ProjectID	Name	Description	Construction Cost	Cost_Design	Cost_Total	Construction Cost2	P&D Cost	Total Cost	Bundled FC Priority Score
4_1	ST-STR-1205	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-1206	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-1207	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-1208	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-1209	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-1210	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-1211	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-1212	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-1213	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-1214	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-1216	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-1238	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-1239	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-1240	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-1241	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-1242	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-1243	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-1244	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-1245	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-1299	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-191	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-192	Connector	<Null>	<Null>	<Null>	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-997	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-1020	Connector	<Null>	<Null>	<Null>	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-1021	Connector	<Null>	<Null>	<Null>	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-1022	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-1120	Connector	<Null>	<Null>	<Null>	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-1121	Connector	<Null>	<Null>	<Null>	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-1122	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-1123	Connector	<Null>	<Null>	<Null>	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-1130	Connector	<Null>	<Null>	<Null>	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-1141	Connector	<Null>	<Null>	<Null>	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-1145	Connector	<Null>	<Null>	<Null>	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-70	Other	<Null>	<Null>	<Null>	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-72	Other	<Null>	<Null>	<Null>	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-73	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-74	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-75	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396

Asset and Project Costs									
Project Info			Asset Costs			Project Costs			
FC_ProjectID	Name	Description	Construction Cost	Cost_Design	Cost_Total	Construction Cost2	P&D Cost	Total Cost	Bundled FC Priority Score
4_1	ST-STR-123	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-124	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-125	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-126	Other	<Null>	<Null>	<Null>	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-130	Other	<Null>	<Null>	<Null>	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-1081	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-3	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-608	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1	ST-STR-1B-R	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	1164486.396
4_1C	ST-MAI-356	Channel	<Null>	<Null>	<Null>	$ -	$ -	$ -	#N/A
4_1C	ST-MAI-361	Channel	<Null>	<Null>	<Null>	$ -	$ -	$ -	#N/A
4_1C	ST-MAI-363a	Channel	<Null>	<Null>	<Null>	$ -	$ -	$ -	#N/A
4_1C	ST-MAI-363b	Channel	<Null>	<Null>	<Null>	$ -	$ -	$ -	#N/A
4_2	ST-MAI-1019	Storm Drain Pipe	$ 37,503.64	$ 18,001.75	$ 55,505.38	$ 436,140.39	$ 209,347.39	$ 645,487.77	645487.774
4_2	ST-MAI-106	Storm Drain Pipe	$ 128,933.17	$ 61,887.92	$ 190,821.09	$ 436,140.39	$ 209,347.39	$ 645,487.77	645487.774
4_2	ST-MAI-565	Storm Drain Pipe	$ 66,738.35	$ 32,034.41	$ 98,772.76	$ 436,140.39	$ 209,347.39	$ 645,487.77	645487.774
4_2	ST-MAI-566	Storm Drain Pipe	$ 27,365.38	$ 13,135.38	$ 40,500.76	$ 436,140.39	$ 209,347.39	$ 645,487.77	645487.774
4_2	ST-MAI-576	Storm Drain Pipe	$ 6,223.61	$ 2,987.33	$ 9,210.94	$ 436,140.39	$ 209,347.39	$ 645,487.77	645487.774
4_2	ST-MAI-577	Storm Drain Pipe	$ 59,457.27	$ 28,539.49	$ 87,996.76	$ 436,140.39	$ 209,347.39	$ 645,487.77	645487.774
4_2	ST-MAI-65	Storm Drain Pipe	$ 104,695.47	$ 50,253.83	$ 154,949.30	$ 436,140.39	$ 209,347.39	$ 645,487.77	645487.774
4_2	ST-MAI-93	Storm Drain Pipe	$ 5,223.50	$ 2,507.28	$ 7,730.77	$ 436,140.39	$ 209,347.39	$ 645,487.77	645487.774
4_2C	ST-MAI-369	Ditch	<Null>	<Null>	<Null>	$ -	$ -	$ -	#N/A
4_3	ST-MAI-587	Storm Drain Pipe	$ 20,376.21	$ 9,780.58	$ 30,156.80	$ 20,376.21	$ 9,780.58	$ 30,156.80	30156.79581
4_3C	ST-MAI-108	Channel	<Null>	<Null>	<Null>	$ -	$ -	$ -	#N/A
4_4	ST-MAI-1064	Storm Drain Pipe	$ 21,117.20	$ 10,136.26	$ 31,253.46	$ 551,189.11	$ 264,570.77	$ 815,759.89	815759.8893
4_4	ST-MAI-110	Storm Drain Pipe	$ 124,972.86	$ 59,986.97	$ 184,959.83	$ 551,189.11	$ 264,570.77	$ 815,759.89	815759.8893
4_4	ST-MAI-113	Storm Drain Pipe	$ 173,500.61	$ 83,280.29	$ 256,780.91	$ 551,189.11	$ 264,570.77	$ 815,759.89	815759.8893
4_4	ST-MAI-364_1	Storm Drain Pipe	$ 59,223.85	$ 28,427.45	$ 87,651.29	$ 551,189.11	$ 264,570.77	$ 815,759.89	815759.8893
4_4	ST-MAI-364_2	Storm Drain Pipe	$ 112,687.78	$ 54,090.13	$ 166,777.91	$ 551,189.11	$ 264,570.77	$ 815,759.89	815759.8893
4_4	ST-MAI-579	Storm Drain Pipe	$ 18,848.38	$ 9,047.22	$ 27,895.61	$ 551,189.11	$ 264,570.77	$ 815,759.89	815759.8893
4_4	ST-MAI-580	Storm Drain Pipe	$ 21,924.21	$ 10,523.62	$ 32,447.83	$ 551,189.11	$ 264,570.77	$ 815,759.89	815759.8893
4_4	ST-MAI-866	Storm Drain Pipe	$ 18,914.23	$ 9,078.83	$ 27,993.05	$ 551,189.11	$ 264,570.77	$ 815,759.89	815759.8893
4_5	ST-MAI-114	Storm Drain Pipe	$ 133,480.97	$ 64,070.87	$ 197,551.84	$ 833,454.06	$ 400,057.95	$ 1,233,512.00	1213125.004
4_5	ST-MAI-1181	Storm Drain Pipe	$ 34,168.50	$ 16,400.88	$ 50,569.38	$ 833,454.06	$ 400,057.95	$ 1,233,512.00	1213125.004
4_5	ST-MAI-359	Storm Drain Pipe	$ 18,767.06	$ 9,008.19	$ 27,775.24	$ 833,454.06	$ 400,057.95	$ 1,233,512.00	1213125.004
4_5	ST-MAI-568	Storm Drain Pipe	$ 5,239.18	$ 2,514.80	$ 7,753.98	$ 833,454.06	$ 400,057.95	$ 1,233,512.00	1213125.004
4_5	ST-MAI-571	Storm Drain Pipe	$ 187,515.07	$ 90,007.24	$ 277,522.31	$ 833,454.06	$ 400,057.95	$ 1,233,512.00	1213125.004
4_5	ST-MAI-572	Storm Drain Pipe	$ 20,115.96	$ 9,655.66	$ 29,771.62	$ 833,454.06	$ 400,057.95	$ 1,233,512.00	1213125.004

Asset and Project Costs									
Project Info			Asset Costs			Project Costs			
FC_ProjectID	Name	Description	Construction Cost	Cost_Design	Cost_Total	Construction Cost2	P&D Cost	Total Cost	Bundled FC Priority Score
4_5	ST-MAI-573	Storm Drain Pipe	$ 14,727.88	$ 7,069.38	$ 21,797.26	$ 833,454.06	$ 400,057.95	$ 1,233,512.00	1213125.004
4_5	ST-MAI-87	Storm Drain Pipe	$ 405,664.44	$ 194,718.93	$ 600,383.38	$ 833,454.06	$ 400,057.95	$ 1,233,512.00	1213125.004
4_5	ST-STR-1504	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 833,454.06	$ 400,057.95	$ 1,233,512.00	1213125.004
4_6	ST-MAI-352	Storm Drain Pipe	$ 18,862.70	$ 9,054.10	$ 27,916.79	$ 672,423.42	$ 322,763.24	$ 995,186.66	330141.2649
4_6	ST-MAI-353	Storm Drain Pipe	$ 86,902.38	$ 41,713.14	$ 128,615.52	$ 672,423.42	$ 322,763.24	$ 995,186.66	330141.2649
4_6	ST-MAI-354	Storm Drain Pipe	$ 24,149.90	$ 11,591.95	$ 35,741.85	$ 672,423.42	$ 322,763.24	$ 995,186.66	330141.2649
4_6	ST-MAI-357	Storm Drain Pipe	$ 53,684.33	$ 25,768.48	$ 79,452.81	$ 672,423.42	$ 322,763.24	$ 995,186.66	330141.2649
4_6	ST-MAI-358	Storm Drain Pipe	$ 14,195.19	$ 6,813.69	$ 21,008.88	$ 672,423.42	$ 322,763.24	$ 995,186.66	330141.2649
4_6	ST-MAI-362	Storm Drain Pipe	$ 25,273.92	$ 12,131.48	$ 37,405.41	$ 672,423.42	$ 322,763.24	$ 995,186.66	330141.2649
4_6	ST-STR-412	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 672,423.42	$ 322,763.24	$ 995,186.66	330141.2649
4_6	ST-STR-405	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 672,423.42	$ 322,763.24	$ 995,186.66	330141.2649
4_6	ST-STR-406	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 672,423.42	$ 322,763.24	$ 995,186.66	330141.2649
4_6	ST-STR-407	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 672,423.42	$ 322,763.24	$ 995,186.66	330141.2649
4_6	ST-STR-408	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 672,423.42	$ 322,763.24	$ 995,186.66	330141.2649
4_6	ST-STR-409	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 672,423.42	$ 322,763.24	$ 995,186.66	330141.2649
4_6	ST-STR-410	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 672,423.42	$ 322,763.24	$ 995,186.66	330141.2649
4_6	ST-STR-411	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 672,423.42	$ 322,763.24	$ 995,186.66	330141.2649
4_6	ST-STR-413	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 672,423.42	$ 322,763.24	$ 995,186.66	330141.2649
4_6	ST-STR-1278	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 672,423.42	$ 322,763.24	$ 995,186.66	330141.2649
4_6	ST-STR-1279	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 672,423.42	$ 322,763.24	$ 995,186.66	330141.2649
4_6	ST-STR-1280	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 672,423.42	$ 322,763.24	$ 995,186.66	330141.2649
4_6	ST-STR-1281	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 672,423.42	$ 322,763.24	$ 995,186.66	330141.2649
4_6	ST-STR-1282	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 672,423.42	$ 322,763.24	$ 995,186.66	330141.2649
4_6	ST-STR-1283	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 672,423.42	$ 322,763.24	$ 995,186.66	330141.2649
4_6	ST-STR-1284	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 672,423.42	$ 322,763.24	$ 995,186.66	330141.2649
4_6	ST-STR-1285	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 672,423.42	$ 322,763.24	$ 995,186.66	330141.2649
4_6	ST-STR-1286	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 672,423.42	$ 322,763.24	$ 995,186.66	330141.2649
4_6	ST-STR-1287	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 672,423.42	$ 322,763.24	$ 995,186.66	330141.2649
4_6	ST-STR-1288	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 672,423.42	$ 322,763.24	$ 995,186.66	330141.2649
4_6	ST-STR-1289	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 672,423.42	$ 322,763.24	$ 995,186.66	330141.2649
4_6	ST-STR-1290	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 672,423.42	$ 322,763.24	$ 995,186.66	330141.2649
4_6	ST-STR-1291	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 672,423.42	$ 322,763.24	$ 995,186.66	330141.2649
4_6	ST-STR-1292	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 672,423.42	$ 322,763.24	$ 995,186.66	330141.2649
4_6	ST-STR-1293	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 672,423.42	$ 322,763.24	$ 995,186.66	330141.2649
4_6	ST-STR-1294	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 672,423.42	$ 322,763.24	$ 995,186.66	330141.2649
4_6	ST-STR-1295	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 672,423.42	$ 322,763.24	$ 995,186.66	330141.2649
4_6	ST-STR-1296	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 672,423.42	$ 322,763.24	$ 995,186.66	330141.2649
4_6	ST-STR-1297	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 672,423.42	$ 322,763.24	$ 995,186.66	330141.2649

Asset and Project Costs									
Project Info			Asset Costs			Project Costs			
FC_ProjectID	Name	Description	Construction Cost	Cost_Design	Cost_Total	Construction Cost2	P&D Cost	Total Cost	Bundled FC Priority Score
4_6	ST-STR-1140	Connector	<Null>	<Null>	<Null>	$ 672,423.42	$ 322,763.24	$ 995,186.66	330141.2649
4_6	ST-STR-1143	Connector	<Null>	<Null>	<Null>	$ 672,423.42	$ 322,763.24	$ 995,186.66	330141.2649
4_6	ST-STR-66	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 672,423.42	$ 322,763.24	$ 995,186.66	330141.2649
4_6	ST-STR-67	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 672,423.42	$ 322,763.24	$ 995,186.66	330141.2649
4_6	ST-STR-68	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 672,423.42	$ 322,763.24	$ 995,186.66	330141.2649
4_6	ST-STR-1086	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 672,423.42	$ 322,763.24	$ 995,186.66	330141.2649
4_6	ST-STR-414	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 672,423.42	$ 322,763.24	$ 995,186.66	330141.2649
4_6	J22	Connector	<Null>	<Null>	<Null>	$ 672,423.42	$ 322,763.24	$ 995,186.66	330141.2649
5_1	ST-MAI-118	Storm Drain Pipe	$ 35,557.87	$ 17,067.78	$ 52,625.65	$ 389,897.59	$ 187,150.85	$ 577,048.44	320558.519
5_1	ST-MAI-325	Storm Drain Pipe	$ 10,906.13	$ 5,234.94	$ 16,141.08	$ 389,897.59	$ 187,150.85	$ 577,048.44	320558.519
5_1	ST-MAI-328	Storm Drain Pipe	$ 24,164.95	$ 11,599.17	$ 35,764.12	$ 389,897.59	$ 187,150.85	$ 577,048.44	320558.519
5_1	ST-MAI-330	Storm Drain Pipe	$ 53,979.92	$ 25,910.36	$ 79,890.29	$ 389,897.59	$ 187,150.85	$ 577,048.44	320558.519
5_1	ST-MAI-332	Storm Drain Pipe	$ 2,692.57	$ 1,292.43	$ 3,985.00	$ 389,897.59	$ 187,150.85	$ 577,048.44	320558.519
5_1	ST-MAI-333	Storm Drain Pipe	$ 11,070.60	$ 5,313.89	$ 16,384.48	$ 389,897.59	$ 187,150.85	$ 577,048.44	320558.519
5_1	ST-MAI-334	Storm Drain Pipe	$ 34,298.42	$ 16,463.24	$ 50,761.66	$ 389,897.59	$ 187,150.85	$ 577,048.44	320558.519
5_1	ST-MAI-337	Storm Drain Pipe	$ 8,020.49	$ 3,849.84	$ 11,870.33	$ 389,897.59	$ 187,150.85	$ 577,048.44	320558.519
5_1	ST-MAI-338	Storm Drain Pipe	$ 35,902.64	$ 17,233.27	$ 53,135.91	$ 389,897.59	$ 187,150.85	$ 577,048.44	320558.519
5_1	ST-STR-363	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 389,897.59	$ 187,150.85	$ 577,048.44	320558.519
5_1	ST-STR-365	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 389,897.59	$ 187,150.85	$ 577,048.44	320558.519
5_1	ST-STR-368	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 389,897.59	$ 187,150.85	$ 577,048.44	320558.519
5_1	ST-STR-369	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 389,897.59	$ 187,150.85	$ 577,048.44	320558.519
5_1	ST-STR-370	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 389,897.59	$ 187,150.85	$ 577,048.44	320558.519
5_1	ST-STR-371	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 389,897.59	$ 187,150.85	$ 577,048.44	320558.519
5_1	ST-STR-372	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 389,897.59	$ 187,150.85	$ 577,048.44	320558.519
5_1	ST-STR-373	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 389,897.59	$ 187,150.85	$ 577,048.44	320558.519
5_1	ST-STR-374	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 389,897.59	$ 187,150.85	$ 577,048.44	320558.519
5_1	ST-STR-375	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 389,897.59	$ 187,150.85	$ 577,048.44	320558.519
5_1	ST-STR-376	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 389,897.59	$ 187,150.85	$ 577,048.44	320558.519
5_1	ST-STR-190	Connector	<Null>	<Null>	<Null>	$ 389,897.59	$ 187,150.85	$ 577,048.44	320558.519
5_1	ST-STR-59	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 389,897.59	$ 187,150.85	$ 577,048.44	320558.519
5_1	ST-STR-60	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 389,897.59	$ 187,150.85	$ 577,048.44	320558.519
5_1	ST-STR-1	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 389,897.59	$ 187,150.85	$ 577,048.44	320558.519
5_1C	ST-MAI-191a	Channel	<Null>	<Null>	<Null>	$ -	$ -	$ -	#N/A
5_1C	ST-MAI-191b	Channel	<Null>	<Null>	<Null>	$ -	$ -	$ -	#N/A
5_1C	ST-MAI-555	Channel	<Null>	<Null>	<Null>	$ -	$ -	$ -	#N/A
5_1C	ST-MAI-877	Channel	<Null>	<Null>	<Null>	$ -	$ -	$ -	#N/A
5_2	ST-MAI-346	Storm Drain Pipe	$ 5,932.26	$ 2,847.49	$ 8,779.75	$ 514,165.19	$ 246,799.29	$ 760,964.48	519239.0351
5_2	ST-MAI-347	Storm Drain Pipe	$ 12,111.74	$ 5,813.63	$ 17,925.37	$ 514,165.19	$ 246,799.29	$ 760,964.48	519239.0351

Asset and Project Costs									
Project Info			Asset Costs			Project Costs			
FC_ProjectID	Name	Description	Construction Cost	Cost_Design	Cost_Total	Construction Cost2	P&D Cost	Total Cost	Bundled FC Priority Score
5_2	ST-MAI-47	Storm Drain Pipe	$ 59,716.27	$ 28,663.81	$ 88,380.08	$ 514,165.19	$ 246,799.29	$ 760,964.48	519239.0351
5_2	ST-MAI-48	Storm Drain Pipe	$ 69,301.47	$ 33,264.71	$ 102,566.18	$ 514,165.19	$ 246,799.29	$ 760,964.48	519239.0351
5_2	ST-MAI-90	Storm Drain Pipe	$ 19,749.94	$ 9,479.97	$ 29,229.91	$ 514,165.19	$ 246,799.29	$ 760,964.48	519239.0351
5_2	ST-MAI-91	Storm Drain Pipe	$ 68,358.16	$ 32,811.92	$ 101,170.08	$ 514,165.19	$ 246,799.29	$ 760,964.48	519239.0351
5_2	ST-MAI-92	Storm Drain Pipe	$ 43,773.27	$ 21,011.17	$ 64,784.44	$ 514,165.19	$ 246,799.29	$ 760,964.48	519239.0351
5_2	ST-MAI-98	Storm Drain Pipe	$ 71,894.07	$ 34,509.15	$ 106,403.23	$ 514,165.19	$ 246,799.29	$ 760,964.48	519239.0351
5_2	ST-STR-203	Connector	<Null>	<Null>	<Null>	$ 514,165.19	$ 246,799.29	$ 760,964.48	519239.0351
5_2	ST-STR-204	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 514,165.19	$ 246,799.29	$ 760,964.48	519239.0351
5_2	ST-STR-220	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 514,165.19	$ 246,799.29	$ 760,964.48	519239.0351
5_2	ST-STR-254	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 514,165.19	$ 246,799.29	$ 760,964.48	519239.0351
5_2	ST-STR-260	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 514,165.19	$ 246,799.29	$ 760,964.48	519239.0351
5_2	ST-STR-261	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 514,165.19	$ 246,799.29	$ 760,964.48	519239.0351
5_2	ST-STR-262	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 514,165.19	$ 246,799.29	$ 760,964.48	519239.0351
5_2	ST-STR-393	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 514,165.19	$ 246,799.29	$ 760,964.48	519239.0351
5_2	ST-STR-394	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 514,165.19	$ 246,799.29	$ 760,964.48	519239.0351
5_2	ST-STR-395	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 514,165.19	$ 246,799.29	$ 760,964.48	519239.0351
5_2	ST-STR-396	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 514,165.19	$ 246,799.29	$ 760,964.48	519239.0351
5_2	ST-STR-397	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 514,165.19	$ 246,799.29	$ 760,964.48	519239.0351
5_2	ST-STR-985	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 514,165.19	$ 246,799.29	$ 760,964.48	519239.0351
5_2	ST-STR-995	Connector	<Null>	<Null>	<Null>	$ 514,165.19	$ 246,799.29	$ 760,964.48	519239.0351
5_2	ST-STR-983	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 514,165.19	$ 246,799.29	$ 760,964.48	519239.0351
5_3	ST-MAI-880	Storm Drain Pipe	$ 167,560.57	$ 80,429.07	$ 247,989.64	$ 268,741.57	$ 128,995.95	$ 397,737.52	247989.6432
5_3	ST-STR-514	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 268,741.57	$ 128,995.95	$ 397,737.52	247989.6432
5_3	ST-STR-518	Outlet	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 268,741.57	$ 128,995.95	$ 397,737.52	247989.6432
5_3	ST-STR-519	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 268,741.57	$ 128,995.95	$ 397,737.52	247989.6432
5_3	ST-STR-521	Other	<Null>	<Null>	<Null>	$ 268,741.57	$ 128,995.95	$ 397,737.52	247989.6432
5_3	ST-STR-522	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 268,741.57	$ 128,995.95	$ 397,737.52	247989.6432
5_3	ST-STR-523	Other	<Null>	<Null>	<Null>	$ 268,741.57	$ 128,995.95	$ 397,737.52	247989.6432
5_3	ST-STR-527	Outlet	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 268,741.57	$ 128,995.95	$ 397,737.52	247989.6432
5_3	ST-STR-528	Outlet	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 268,741.57	$ 128,995.95	$ 397,737.52	247989.6432
5_3	ST-STR-531	Outlet	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 268,741.57	$ 128,995.95	$ 397,737.52	247989.6432
5_3	ST-STR-1011	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 268,741.57	$ 128,995.95	$ 397,737.52	247989.6432
5_3	ST-STR-1012	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 268,741.57	$ 128,995.95	$ 397,737.52	247989.6432
5_4	ST-MAI-411	Storm Drain Pipe	$ 40,667.40	$ 19,520.35	$ 60,187.75	$ 157,044.40	$ 75,381.31	$ 232,425.71	60187.75348
5_4	ST-STR-453	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 157,044.40	$ 75,381.31	$ 232,425.71	60187.75348
5_4	ST-STR-454	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 157,044.40	$ 75,381.31	$ 232,425.71	60187.75348
5_4	ST-STR-458	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 157,044.40	$ 75,381.31	$ 232,425.71	60187.75348
5_4	ST-STR-459	Outlet	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 157,044.40	$ 75,381.31	$ 232,425.71	60187.75348

Asset and Project Costs									
Project Info			Asset Costs			Project Costs			
FC_ProjectID	Name	Description	Construction Cost	Cost_Design	Cost_Total	Construction Cost2	P&D Cost	Total Cost	Bundled FC Priority Score
5_4	ST-STR-460	Outlet	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 157,044.40	$ 75,381.31	$ 232,425.71	60187.75348
5_4	ST-STR-461	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 157,044.40	$ 75,381.31	$ 232,425.71	60187.75348
5_4	ST-STR-463	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 157,044.40	$ 75,381.31	$ 232,425.71	60187.75348
5_4	ST-STR-466	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 157,044.40	$ 75,381.31	$ 232,425.71	60187.75348
5_4	ST-STR-467	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 157,044.40	$ 75,381.31	$ 232,425.71	60187.75348
5_4	ST-STR-87	Discharge	<Null>	<Null>	<Null>	$ 157,044.40	$ 75,381.31	$ 232,425.71	60187.75348
5_5	ST-MAI-1032	Storm Drain Pipe	$ 24,857.43	$ 11,931.57	$ 36,788.99	$ 336,291.64	$ 161,419.99	$ 497,711.62	257273.7826
5_5	ST-MAI-1033	Storm Drain Pipe	$ 33,997.25	$ 16,318.68	$ 50,315.93	$ 336,291.64	$ 161,419.99	$ 497,711.62	257273.7826
5_5	ST-MAI-386	Storm Drain Pipe	$ 65,213.61	$ 31,302.53	$ 96,516.14	$ 336,291.64	$ 161,419.99	$ 497,711.62	257273.7826
5_5	ST-MAI-395	Storm Drain Pipe	$ 40,104.13	$ 19,249.98	$ 59,354.11	$ 336,291.64	$ 161,419.99	$ 497,711.62	257273.7826
5_5	ST-MAI-396	Storm Drain Pipe	$ 9,661.22	$ 4,637.39	$ 14,298.60	$ 336,291.64	$ 161,419.99	$ 497,711.62	257273.7826
5_5	ST-STR-434	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 336,291.64	$ 161,419.99	$ 497,711.62	257273.7826
5_5	ST-STR-436	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 336,291.64	$ 161,419.99	$ 497,711.62	257273.7826
5_5	ST-STR-437	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 336,291.64	$ 161,419.99	$ 497,711.62	257273.7826
5_5	ST-STR-438	Other	<Null>	<Null>	<Null>	$ 336,291.64	$ 161,419.99	$ 497,711.62	257273.7826
5_5	ST-STR-607	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 336,291.64	$ 161,419.99	$ 497,711.62	257273.7826
5_5	ST-STR-1195	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 336,291.64	$ 161,419.99	$ 497,711.62	257273.7826
5_5	ST-STR-1196	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 336,291.64	$ 161,419.99	$ 497,711.62	257273.7826
5_5	ST-STR-998	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 336,291.64	$ 161,419.99	$ 497,711.62	257273.7826
5_5	ST-STR-999	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 336,291.64	$ 161,419.99	$ 497,711.62	257273.7826
5_5	ST-STR-1110	Outlet	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 336,291.64	$ 161,419.99	$ 497,711.62	257273.7826
5_5	ST-STR-1111	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 336,291.64	$ 161,419.99	$ 497,711.62	257273.7826
5_5	ST-STR-1112	Connector	<Null>	<Null>	<Null>	$ 336,291.64	$ 161,419.99	$ 497,711.62	257273.7826
5_5	ST-STR-79	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 336,291.64	$ 161,419.99	$ 497,711.62	257273.7826
5_5	ST-STR-83	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 336,291.64	$ 161,419.99	$ 497,711.62	257273.7826
5_5	ST-STR-85	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 336,291.64	$ 161,419.99	$ 497,711.62	257273.7826
5_5	ST-STR-121	Other	<Null>	<Null>	<Null>	$ 336,291.64	$ 161,419.99	$ 497,711.62	257273.7826
5_5	ST-STR-84	Other	<Null>	<Null>	<Null>	$ 336,291.64	$ 161,419.99	$ 497,711.62	257273.7826
5_5	ST-STR-81	Headwall	$ 9,976.00	$ 4,788.48	$ 14,764.48	$ 336,291.64	$ 161,419.99	$ 497,711.62	257273.7826
5_6	ST-MAI-381	Storm Drain Pipe	$ 21,158.96	$ 10,156.30	$ 31,315.26	$ 59,329.25	$ 28,478.04	$ 87,807.29	47033.28574
5_6	ST-MAI-382	Storm Drain Pipe	$ 10,620.29	$ 5,097.74	$ 15,718.03	$ 59,329.25	$ 28,478.04	$ 87,807.29	47033.28574
5_6	ST-STR-431	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 59,329.25	$ 28,478.04	$ 87,807.29	47033.28574
5_6	ST-STR-432	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 59,329.25	$ 28,478.04	$ 87,807.29	47033.28574
5_6	ST-STR-77	Discharge	<Null>	<Null>	<Null>	$ 59,329.25	$ 28,478.04	$ 87,807.29	47033.28574
5_7	ST-MAI-405	Storm Drain Pipe	$ 4,350.20	$ 2,088.10	$ 6,438.30	$ 169,382.21	$ 81,303.46	$ 250,685.66	111195.6648
5_7	ST-MAI-406	Storm Drain Pipe	$ 9,663.94	$ 4,638.69	$ 14,302.63	$ 169,382.21	$ 81,303.46	$ 250,685.66	111195.6648
5_7	ST-MAI-407	Storm Drain Pipe	$ 8,486.67	$ 4,073.60	$ 12,560.27	$ 169,382.21	$ 81,303.46	$ 250,685.66	111195.6648
5_7	ST-MAI-408	Storm Drain Pipe	$ 20,576.82	$ 9,876.87	$ 30,453.69	$ 169,382.21	$ 81,303.46	$ 250,685.66	111195.6648

Asset and Project Costs									
Project Info			Asset Costs			Project Costs			
FC_ProjectID	Name	Description	Construction Cost	Cost_Design	Cost_Total	Construction Cost2	P&D Cost	Total Cost	Bundled FC Priority Score
5_7	ST-MAI-409	Storm Drain Pipe	$ 32,054.57	$ 15,386.20	$ 47,440.77	$ 169,382.21	$ 81,303.46	$ 250,685.66	111195.6648
5_7	ST-STR-918	Cleanout	$ 11,600.00	$ 5,568.00	$ 17,168.00	$ 169,382.21	$ 81,303.46	$ 250,685.66	111195.6648
5_7	ST-STR-217	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 169,382.21	$ 81,303.46	$ 250,685.66	111195.6648
5_7	ST-STR-448	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 169,382.21	$ 81,303.46	$ 250,685.66	111195.6648
5_7	ST-STR-449	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 169,382.21	$ 81,303.46	$ 250,685.66	111195.6648
5_7	ST-STR-450	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 169,382.21	$ 81,303.46	$ 250,685.66	111195.6648
5_7	ST-STR-451	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 169,382.21	$ 81,303.46	$ 250,685.66	111195.6648
5_7	ST-STR-452	Inlet	$ 13,775.00	$ 6,612.00	$ 20,387.00	$ 169,382.21	$ 81,303.46	$ 250,685.66	111195.6648

Bundled Project Costs				
Project Info	Project Costs			
ProjectID	Construction Cost	P&D Cost	Total Cost	Project Prioritization
1_1	$ 1,173,106.71	$ 563,091.22	$ 1,736,197.93	100
1_3	$ 53,281.33	$ 25,575.04	$ 78,856.37	100
1_11	$ 1,623,433.18	$ 779,247.92	$ 2,402,681.10	80
1_2	$ 6,774,455.26	$ 3,251,738.52	$ 10,026,193.78	80
1_9	$ 821,359.05	$ 394,252.35	$ 1,215,611.40	80
3_4	$ 940,705.35	$ 451,538.57	$ 1,392,243.92	70
4_2	$ 436,140.39	$ 209,347.39	$ 645,487.77	70
1_10	$ 807,140.03	$ 387,427.21	$ 1,194,567.24	60
1_4	$ 996,251.38	$ 478,200.66	$ 1,474,452.04	60
1_5	$ 411,381.18	$ 197,462.97	$ 608,844.15	60
1_6	$ 190,579.66	$ 91,478.24	$ 282,057.89	60
2_4	$ 2,316,429.33	$ 1,111,886.08	$ 3,428,315.41	60
3_1	$ 3,616,107.54	$ 1,735,731.62	$ 5,351,839.16	60
3_5	$ 1,333,291.85	$ 639,980.09	$ 1,973,271.94	50
3_8	$ 642,009.44	$ 308,164.53	$ 950,173.97	50
4_1	$ 1,906,853.13	$ 915,289.50	$ 2,822,142.64	50
4_4	$ 551,189.11	$ 264,570.77	$ 815,759.89	50
4_5	$ 833,454.06	$ 400,057.95	$ 1,233,512.00	50
1_7	$ 17,123.74	$ 8,219.40	$ 25,343.14	40
1_8	$ 248,872.90	$ 119,458.99	$ 368,331.89	40
2_1	$ 58,706.67	$ 28,179.20	$ 86,885.87	40
2_2	$ 58,787.04	$ 28,217.78	$ 87,004.82	40
2_3	$ 18,428.19	$ 8,845.53	$ 27,273.71	40
3_10	$ 58,936.94	$ 28,289.73	$ 87,226.68	40
3_11	$ 120,075.33	$ 57,636.16	$ 177,711.49	30
3_12	$ 41,700.63	$ 20,016.30	$ 61,716.94	30
3_13	$ 589,749.15	$ 283,079.59	$ 872,828.74	30
3_14	$ 62,239.27	$ 29,874.85	$ 92,114.12	30
3_2	$ 1,190,609.56	$ 571,492.59	$ 1,762,102.15	30
3_3	$ 295,411.65	$ 141,797.59	$ 437,209.25	30
3_6	$ 201,072.85	$ 96,514.97	$ 297,587.81	30
3_7	$ 43,541.87	$ 20,900.10	$ 64,441.96	30
3_9	$ 424,372.46	$ 203,698.78	$ 628,071.24	30
4_3	$ 20,376.21	$ 9,780.58	$ 30,156.80	30
4_6	$ 672,423.42	$ 322,763.24	$ 995,186.66	30
5_1	$ 389,897.59	$ 187,150.85	$ 577,048.44	30
5_2	$ 514,165.19	$ 246,799.29	$ 760,964.48	30
5_3	$ 268,741.57	$ 128,995.95	$ 397,737.52	30
5_4	$ 157,044.40	$ 75,381.31	$ 232,425.71	30
5_5	$ 336,291.64	$ 161,419.99	$ 497,711.62	30
5_6	$ 59,329.25	$ 28,478.04	$ 87,807.29	30
5_7	$ 169,382.21	$ 81,303.46	$ 250,685.66	30

Total Construction Cost	Total P&D Cost	Total Total Cost
$ 46,537,783	$ 15,093,335	$ 78,183,649