REPORT ON WATER AND WASTEWATER MASTER PLAN IMPROVEMENTS

TOPICAL REPORT RSI-W0143-T015

PREPARED FOR
City of Castroville
1209 Fiorella Street
Castroville, Texas 78009

JANUARY 2023

RESPEC

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02/02/2023

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City of Castroville
1209 Fiorella Street
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EXECUTIVE SUMMARY

The City of Castroville, Texas (the City) has requested a Master Plan to be developed to summarize the water and wastewater capital improvements that will be required as future development continues within the Castroville area. As defined within the scope of this project, three main tasks were addressed to provide a full evaluation to complete the water and wastewater master planning process. These tasks include reviewing historical data, analyzing the existing conditional developments along with the overall existing systems, and determining the future water and wastewater needs to design an optimum ultimate system for the City of Castroville to use as a guide and baseline.

The City has executed a multi-party agreement with four real estate development teams. Within this agreement, the developments have agreed to pay for the allocated costs of the required infrastructure improvements to provide water and wastewater services to their developments. Five Thousand Living Unit Equivalents (LUEs) are included within this agreement for improvements. Previous studies have been provided to the City defining the improvements needed to provide water and wastewater to these developments.

Other development teams have shown interest in developing within and near the City of Castroville. Due to this expected rise in population, the City has partnered with RESPEC to produce a Master Plan Report that will provide infrastructure recommendations if the City develops all available nearby land. This Master Plan has been based on the assumption that the City will expand to the limits of the current Certificate of Convenience and Necessity (CCN) and beyond as instructed by the City.

This report provides analysis on three different scenarios:

- Existing Scenario:
  - The existing analysis defines the current water demand and wastewater load of the systems, reviews the existing source of water supply, capacity of the existing wastewater plant, and outlines the adequacy and condition of the current water and wastewater distribution and collection infrastructure.
- Proposed Scenario:
  - The proposed scenario is defined as the point when the developments within the City of Castroville's multi-party expansion agreement have already been constructed along with the required improvements to serve these areas.
- Ultimate Scenario:
  - The ultimate scenario is defined as the point at which the City reaches full growth to beyond the limits of its existing CCN as well as acquiring an agreement to service a portion of the City of La Coste's CCN which is east of the City of Castroville. Within the ultimate scenario, water and wastewater models were analyzed to provide service to all areas which included improvements for both water and wastewater: main extensions, main upgrades, new plants, wastewater lift stations and water pressure reducing valves.

The results provided by this Master Plan report confirm known issues within the existing water and wastewater systems. The proposed scenario results confirms that the proposed infrastructure has the capability to provide services to the additional 5,000 LUEs. These results also direct the necessary improvements needed with further growth. The ultimate scenario produced results which predicts necessary improvements based on the future growth. These improvements are depended on the condition assumptions based on existing growth data; location and timing of growth; and full growth of the studied area. As future developments submit their developmental master plans with the City of Castroville, additional analysis should be conducted to verify capacity availability or provide recommendation on how to support the proposed growth.

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1.0 INTRODUCTION

The City of Castroville (the City) is located in eastern Medina County, Texas along US 90 approximately 24 miles west of the City of San Antonio, TX. US 90, Farm to Market 471 and Farm to Market 1343 are major roads in the area. Founded in 1844 by Henri Castro, the City has since been recognized as a national and Texas historic district with over 200 historic structures including 60 buildings from the mid 1800's.

The City's current population is approximately 3,229 residents that reside within approximately 1,412 acres. The City is growing within their Certificate of Convenience and Necessity (CCN) which is approximately 10,667 acres. The City has entered a multi-party agreement with four real estate development teams for the proposed subdivisions within the City. The proposed developments will expand the city by approximately 1,670 acres with an anticipated population growth of approximately 9,200 residents.

The City's existing water system functions as three systems with one owner and is recognized as such by the Texas Commission of Environmental Quality (TCEQ). The three systems are the City of Castroville system, the Medina Valley Water Supply Corporation (WSC) system, and the Castroville Airport. The total water average daily demand for the city is 0.493 MGD. Five groundwater wells serve the three systems. Although currently only four wells are active. Well water is disinfected locally at each well and seven tanks are connected to the distribution system which are used to maintain system pressure, as well as provide equalization and emergency storage. The City's distribution system consists of approximately 34 miles of water mains that range from 2-inches to 16-inches. Improvements are being constructed to interconnect the City of Castroville and the Medina Valley WSC systems.

The City's existing wastewater treatment plant (WWTP) is located on the southern corner of town near the Castroville Regional Park. The total wastewater average daily load through the plant is 0.215 MGD. A total of five lift stations serves the wastewater system. There is no gravity flow to the existing WWTP, with two lift stations discharging directly to the plant. The remaining lift stations collect localized flow and discharge to nearby gravity mains. The City's collection system consists of approximately 26 miles of wastewater mains that range from 8-inches to 24-inches.

As the City of Castroville continues to grow, the water and wastewater systems will need additional analysis to prioritize infrastructure projects to meet the future demands and maintain compliance with TCEQ's regulations for capacity and treatment. Improvements in efficiency and water conservation can help the City meet future water demands and wastewater loads, but ultimately additional plants, line extensions, line upgrades, and other improvements will be necessary to meet the City's ultimate conditions to serve the entire CCN.

2.0 REPORT METHODOLOGIES

This report defines the current water demands and wastewater loads of the systems, reviews the existing sources of water supply, and outlines the adequacy and condition of the current water and wastewater infrastructure. Expected growth and new regulatory requirements are defined, and options and recommendations to meet these requirements are outlined. The goal of the report is to provide a guiding document for decision making, a reference document for the existing water and wastewater system for staff use, and an outline of system deficiencies that can be used to develop capital improvement plans (CIPs).

The scope of the report, as defined by the City of Castroville in the Request for Proposal, included the following tasks to be completed for City's Water and Wastewater Master Plan:

- Review Data
  - Review historic data on water and wastewater capital projects related developments and proposed developments and complied maps.
- Existing Conditions Development & System Analysis
  - Water Analysis: Establish existing water production capacities, available water rights and water system model based on existing facilities.
  - Wastewater Analysis: Verify field survey key manhole location on both major lift stations and interceptors. Establish existing wastewater collection system model.
  - Provide basic capacities and expansion trajectories for both water source of supply and wastewater treatment. The detailed analysis of the wastewater treatment is being left to a time after implementation and operation of the proposed Equalization basin. Facilities plan amendment can be developed at that time.
- Future Water and Wastewater needs
  - Develop potential land use for the CCN. This effort will include consideration of developable lands, floodplains, and existing Castroville land use planning maps and zoning. Create a development table for major land areas within the CCN.
  - Using topographic data for the entire CCN area, define preliminary basins and subbasins for wastewater and pressure zones for water. Develop demands and loads by pressure zones for water and basins/subbasins for wastewater.
  - Project major interceptors and major water loops with rough locations and sizes.
  - Project phasing needs for major facility system expansions along with triggers for implementation. Without performing a Plant Performance Evaluation, project a trajectory for options for plant expansion and/or secondary treatment plant site. Identify potential infrastructure needs and Capital Improvement Plan.

The City provided GIS (geographic information system) databases used throughout the report to define the location and size of the existing water and wastewater infrastructure. Records for meter readings from lift stations were provided. The WWTP, lift stations, well houses and tanks were visited, and the equipment installed at each location were documented. A visual assessment of all facilities was completed.

A previous water model was produced for the "Report on Recommended Water and Wastewater Improvements for Alsatian Oaks Development Phase II and Four Additional Subdivisions", further noted as the Feasibility Report. This model was created utilizing WaterCAD developed by Bentley. The water system model was adapted from previous models produced by previous water studies. The model was

adapted to review the existing water system and analyze the future water system improvements recommended within this report. No existing wastewater model was provided for analysis; thus a new wastewater model was created utilizing Autodesk's InfoSewer. This model was used to review the existing wastewater system and analyze the future system improvements recommended within this report.

The water and wastewater models were analyzed at three different phases:

- Existing Phase:
  - Existing condition was considered to be existing active services as well as the services from developments currently in construction and planned to be part of the system within the year. The developments under construction and considered within the "Existing" model is Phase I of Alsatian Oaks and Country Village subdivisions.
- Proposed Phase:
  - Proposed condition was considered to be the 5,000 LUEs as discussed later in Section 4 along with all of the Existing model's service areas. Within the 5,000 LUEs, several developments are proposed to be developed including Phase II of Alsatian Oaks, Cobblestone Farms, Haby, Jagge Ranch, and Victory Lane subdivisions.
- Ultimate Phase:
  - Ultimate condition was considered to be the additional land within the existing CCN boundary, additional land beyond the eastern boundary as shown in Figure 5-1, and all of the Proposed model's service areas. The additional land added in the Ultimate condition is assumed to be the full growth of the CCN, the ability to serve within other CCN's who provide one service, and the ability to serve within where other utilities may not have the capability to properly service their entire CCN.

Existing water demands and wastewater loads were evaluated, and future water demands and wastewater loads were projected for both vacant lands within the city limits and areas beyond the city limits as defined. Demands for the systems are defined throughout this report as living unit equivalents (LUEs). In this report, one LUE represents one single-family, free-standing, residence. All demands within the system that are not single-family households are reported in terms of the LUE unit and the demand for each LUE is defined in gallons per day per LUE.

This report is intended to supplement the work already completed by previous engineers and previous master plan reports which were reviewed. Selected information in the reports was used in outlining the system history and formulating recommendations for future water system improvements.

2.1 HISTORY OF WATER SYSTEM

The city of Castroville's existing water system dates back to 1913 when the city drilled its first water well. This well is titled '2-301 London St' according to the Texas Drinking Water Watch, and discharges at a rate of 400 gallon per minute (gpm), https://dww2.tceq.texas.gov/DWW/. The additional 5 wells can be seen below in Figure 2.1-1 with their corresponding installation dates.

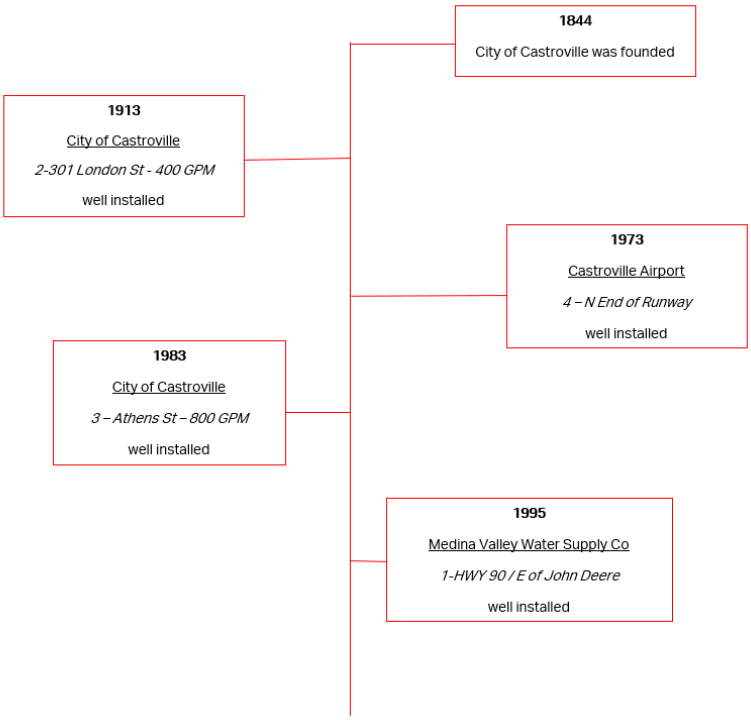


Figure 2-1 City of Castroville Water System Timeline

2.2 HISTORY OF WASTEWATER SYSTEM

The City of Castroville's wastewater treatment plant (WWTP) went under a major expansion in 1989 for a permitted average daily flow capacity of 0.35 MGD. This expansion included the addition of a clarifier, a carrousel aeration basin, and new drying beds. This project included the upgrade to the Main lift station located in Regional Park and a 10-inch PVC force main to collect the wastewater from the lift station to the existing wastewater treatment plant.

In 2016, the East Side Lift Station project expanded the City of Castroville's service area further east. The additional lift station is located northeast of the Castroville Airport along FM 471. The lift station includes the two 750 gpm pumps with room for two additional pumps later with future growth. The project also included a 24-inch 3,360 LF gravity main to collect and feed the new lift station and a 13,732 LF 10-inch force main to send the collected wastewater from the lift station to the existing wastewater treatment plant.

Another major expansion was implemented to the WWTP in 2018. This expansion brought the plant to its current capacity at 0.7 MGD permitted average daily flow. The project included the addition of a screening structure, influent splitter box, carrousel basins, secondary clarifier, and cloth media filter station. The expansion also converted the carrousel aeration basin into a sludge holding tank. An onsite administration and electrical building was included in the expansion.

2.3 REVIEW OF PREVIOUS MASTER PLANS AND OTHER REPORTS

Engineering reports have been completed for the City of Castroville in the past with various recommendations. A review of the previous reports was completed to assist in understanding what alternatives for water supply and treatment had been tried and considered in the past.

2012 – KSA Engineers, Inc. – Sanitary Sewer Evaluation Survey (SSES)

The KSA SSES report provided the recommendations below to assist in reducing the inflow and infiltration (I/I), maintaining system capacity, and preventing the occurrence of sanitary sewer overflows.

- Increase preventative maintenance for the entire sewer collection system such as developing a systematic and comprehensive cleaning program implemented throughout the year
- Conduct a secondary phase for the SSES using smoke testing to identify point sources of inflow in the collection system. Sewer lines with numerous indications for I/I locations are candidates for rehabilitation or repair.
- Develop an annual program, schedule, and budget for replacing old and dilapidated sewer collection lines and manholes to reduce I/I and maintain system capacity for existing and future development needs.
- Develop a program to rehabilitate all system lift stations to resolve existing and anticipated capacity problems.
- Continue to revise and update the sewer base maps as lines are replaced, upsized, or installed

2016 – UTSA College of Architecture, Construction and Planning – Vision Plan for Castroville, Texas

The report discussed the analysis of projected growth within the City of Castroville and gave recommendations for cultural and historical improvements as well as growth impacts.

- Create an update land use and zoning ordinance for future growth
- Continue to update and expand the thoroughfare plan to handle future growth
- Develop the Municipal Airport and the area around it into a light industrial park
- Develop additional park and recreational outing for Castroville
- Continue to update and expand the City's Capital Improvement Plan

2022 – RESPEC – Feasibility Report

The RESPEC Feasibility Report report, titled "Report on Recommended Water and Wastewater Improvements for Alsatian Oaks Development Phase II and Four Additional Subdivisions", outlines the following infrastructure improvements to account for the growth of five developments.

- Construct a new water well and tank site
- Outline various water main extensions
- Install an additional pump at the East Side Lift Station
- Develop long-term planning regarding additional wastewater capacity
- Outline various sewer main extensions (driven by development schedule)

2022 – RESPEC – Wastewater flow and optimization Memorandum

The "Wastewater flow and optimization for Castroville, Texas" external memorandum, discussed the further analysis of existing flow data on the wastewater collection system. Based on daily and monthly loading data, the following recommendations were made within the memorandum.

- Average gallons per day per LUE were found to be 160-180 GPD/LUE.
- Flow Equalization Basin design would optimize existing WWTP
- Develop a master plan to plan for future growth

3.0 EXISTING CONDITIONS

The City's utility CCN boundary extends beyond their city limits as shown in Figure 3-1. Their service area includes a large undeveloped area surrounding the city limits. The central portion of the City is located at an approximate elevation of 720 feet above sea level with occasional rolling hills to the southwest. The City's average annual high temperature is 80°F and average annual low temperature is 57°F, with an average annual precipitation of 29.57 inches. The United States Census Bureau estimates the average population of the City of Castroville from 2017 to 2019 at 3,066 people (https://www.census.gov/data/tables/time-series/demo/popest/2010s-total-cities-and-towns.html).

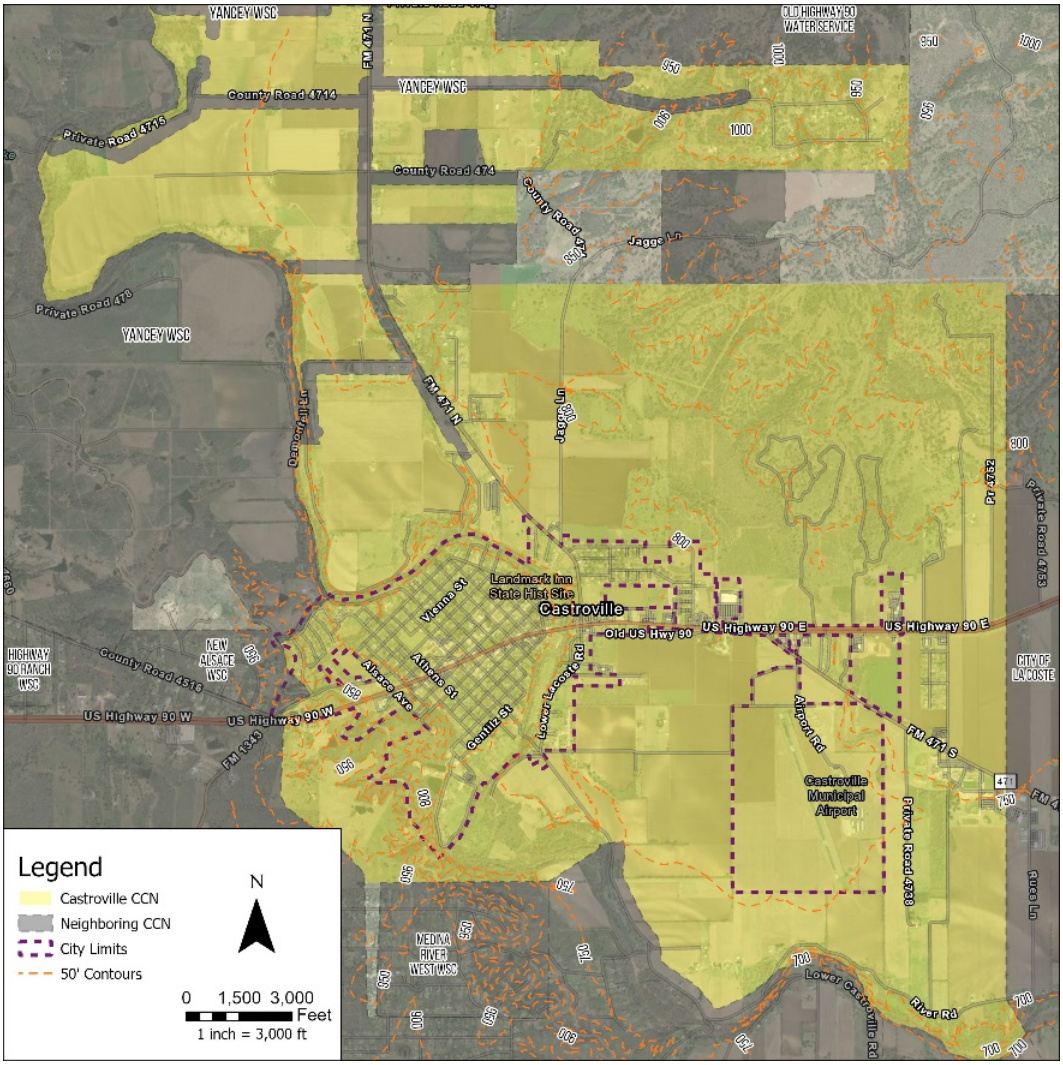


Figure 3-1 City Limits and Boundaries

The City is approximately 1,455 acres as shown in Figure 3-2. Within the City, approximately 1,455 acres are currently served with water, while only 1,274 acres are served by wastewater. The balance of the area has onsite septic systems for sanitary service. The Living Unit Equivalent (LUE) count for the water and wastewater systems are approximately 2,233 LUE and 2,082 LUE, respectively. Table 3-1 displays the breakdown of both the Water and Wastewater LUEs. The Existing LUEs modeled within

both systems include 3 areas which include the Existing City of Castroville Service Area (based on calculated value), Alsatian Oaks Phase I (based on developer's estimated LUE), and the Country Village Expansion (based on developer's estimated LUE). The calculation processes for obtaining the values within Existing City of Castroville section for both water and wastewater are explained below within sections 3.1 and 3.2, respectively.

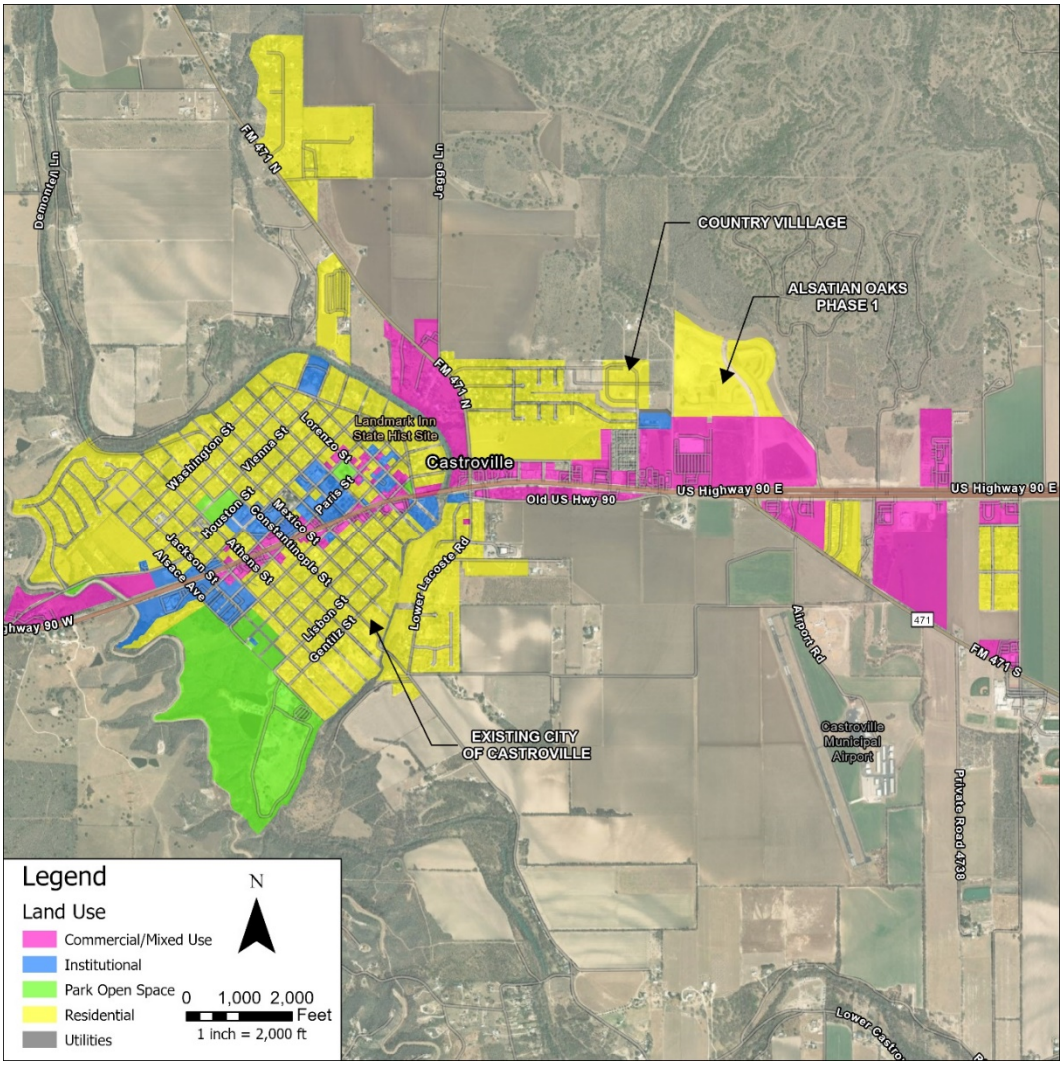


Figure 3-2 Existing Land Use Distribution

Table 3-1 Existing Living Unit Equivalent Breakdown

Area	Water LUEs	Wastewater LUEs
Existing City of Castroville	1,593	1,442
Alsatian Oaks Phase 1	586	586
Country Village	54	54
Total Existing LUEs	**2,233**	**2,082**

3.1 EXISTING WATER SYSTEM

The City's existing water supply functions as three systems with one owner and is recognized as such by the Texas Commission of Environmental Quality (TCEQ). The three systems, as shown in Figure 3-3, include the City of Castroville system, the Medina Valley Water Supply Corporation (WSC) system, and the Castroville Airport system. Prior to completion of the Alsatian Oaks Phase 1 improvements that interconnected the main City of Castroville system with the Medina Valley WSC system, each of the three systems operated independently. The airport system continues to function independently with no interconnection to the other systems. The City's three systems currently provide potable water to taps throughout the city through approximately 34 miles of water mains. Four groundwater wells serve as source water for the potable water system and draw from the Edwards- Balcones Fault Zone Aquifer. Well water is disinfected and stored at each well and the water is discharged directly from the well pumps into the pressure and distribution system. Four main tanks are connected to the distribution system and are used to maintain system pressure, as well as provide equalization and emergency storage. Non-potable water produced by the wastewater treatment plant is used primarily for irrigation.

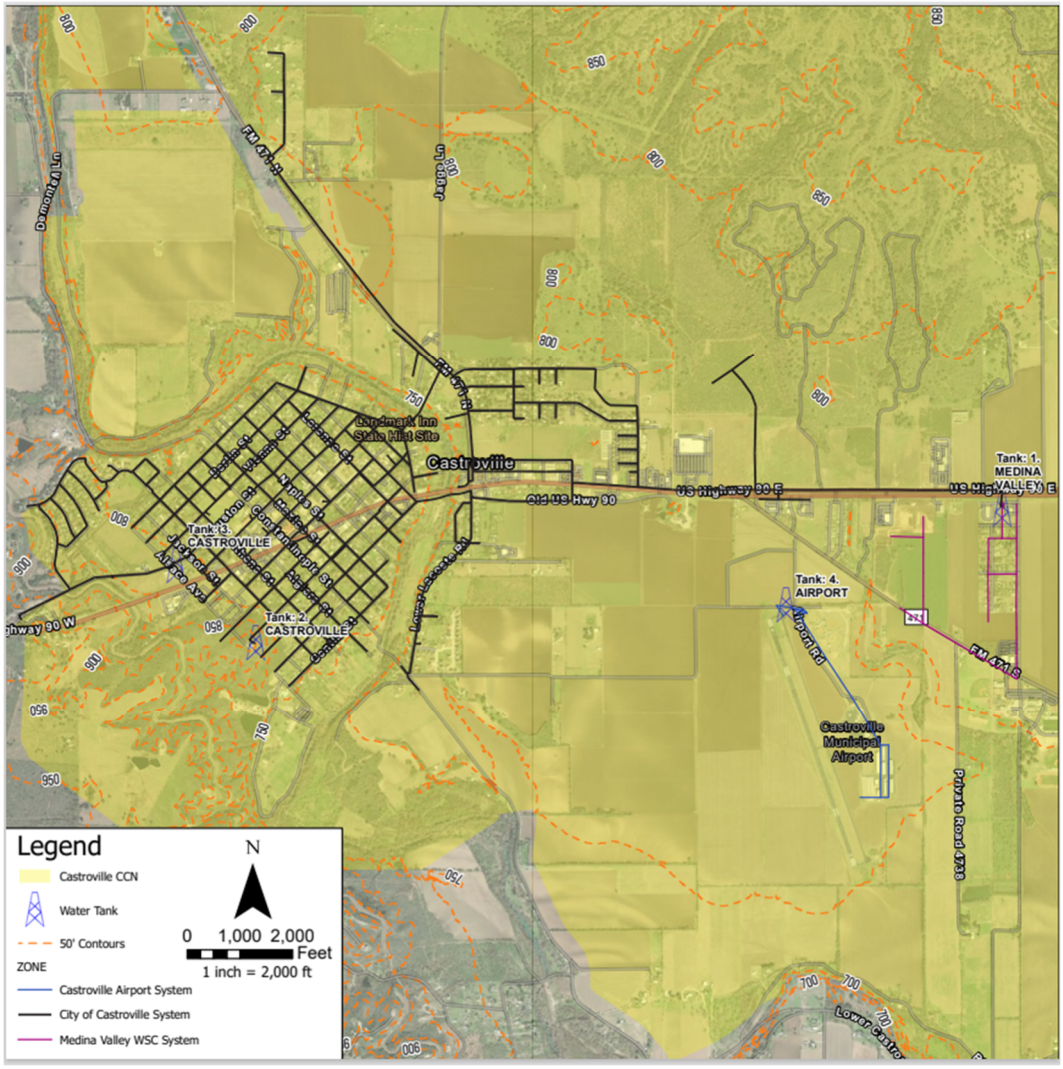


Figure 3-3 Existing Water System

The approximate LUE count for the City's existing water system was calculated based on the number of existing services and water usage data provided by City staff. Large commercial meters within the system were compared to average usage within the system. Those meters that historically use more than the average service connection were assumed to be greater than one LUE and were assigned an LUE value based on their historical water usage. Of the 1,419 existing active water connections, 54 services were deemed to be greater than one LUE. These larger users account for an additional 174 LUEs in the existing system model for a total of 1,593 LUEs in the existing water system.

Assumptions and baseline calculations made within this calculation process are listed below.

- Service count excludes Valley Mobile Home Properties (7912 FM 471 La Coste, TX)
- 43 service connections at Hidden View RV Park (1235 FM 471, Castroville, TX 78009)
- 2021 Total Consumption (City & Medina Valley WSC Systems) is approximately 197,263,600 gallons
- Annual Average Usage is approximately 123,832 gallons per meter

The Medina Valley plant was recently updated by constructing a new 300,000-gallon ground storage tank, 15,000-gallon hydropneumatic tank, and pump improvements. After the improvements, the

interconnected systems (main City and MVWSC) has approximately 880,000 gallons of total storage as noted in the Table 3-2. The Castroville Airport system continues to operate independently, but it may be beneficial to expand its capacity and tie it into the main system as a future CIP project.

Table 3-2 Existing Water System Storage

Water System		Base Elevation	Ground Storage	Elevated Storage	Pressure Storage	Total Storage
Interconnected	City of Castroville	897 ft (Hill Tank)	50,000 gal	500,000 gal	4,000 gal	554,000 gal
	Medina Valley WSC	770 ft	300,000 gal	-	15,000 gal	315,000 gal
Independent	Castroville Airport	772 ft	6,000 gal	-	1,000 gal	7,000 gal
Total Storage through Interconnected System		-	**350,000 gal**	**500,000 gal**	**19,000 gal**	**869,000 gal**
Total Storage through all Systems		-	**356,000 gal**	**500,000 gal**	**20,000 gal**	**887,000 gal**

3.1.1 WATER MODEL SUMMARY

WaterCAD was utilized to model and review system pressure, pipe velocity and fire flow of the City of Castroville's water system. Elevations used in the model are gathered from Texas Natural Resources Information System (TNRIS) (https://data.tnris.org/). The distribution system layout was taken from base GIS files provided by the City of Castroville along with the existing model developed from previous studies.

Assumptions made for the purposes of this model are explained as follows:

- The Hazen-Williams coefficient (C) value was set to a conservative value of 120 per the 2016 San Antonio Water System (SAWS) Utility Service Regulations (Chapter 9.1).
- The minor loss coefficients inputted into the system (tees, crosses, wyes, 90-degree elbows, etc.) were determined based on values provided within the WaterCAD program.
- All pipe/node elevation are set at ground level per TNRIS data (Bexar 2009 LIDAR).
- The well pump curves, drop-pipe material, diameter, and length were defined based on the water consumption data provided by the City of Castroville. The monthly consumption data seen within the Appendix were utilized for calculating the flow demands. Information for each well is noted in the process and instrumentation diagrams included for each well house in Appendix B.

The model includes flow demands consisting of Average Daily Flow (ADF), Maximum Daily Flow (MDF), and Peak Hourly Flow (PHF). The ADF and MDF demand flows assigned to the model are based on flow reports from the City of Castroville (Jan 2021 – Jul 2022, inclusively); while the PHF demand flow is based on the value given within Chapter 9.1 of the 2016 SAWS Utility Service Regulations along with the Minimum Water System Capacity Requirements outlined by TCEQ (Rule 290.45). These values can be seen below in Table 3-3. Bolded values indicate the demand flows input into the model.

Table 3-3 Flow Demands

Flow Demand *(gpm / LUE)*	Calculated Values *(based on city flow data)*	San Antonio Water System Values *(based on SAWS Utility Service Regulations)*
ADF	**0.24**	0.22
MDF	**0.46**	0.46
PHF	-	**1.5**

3.1.2 EXISTING CONDITIONS RESULTS

The existing system was modeled using existing mains, valves, and plant data as shown in Figure 3-4. The existing system operates on 2 different pressure planes at static hydraulic grade lines (HGLs) of 1,030' above mean sea level and 932' above mean sea level, respectively.

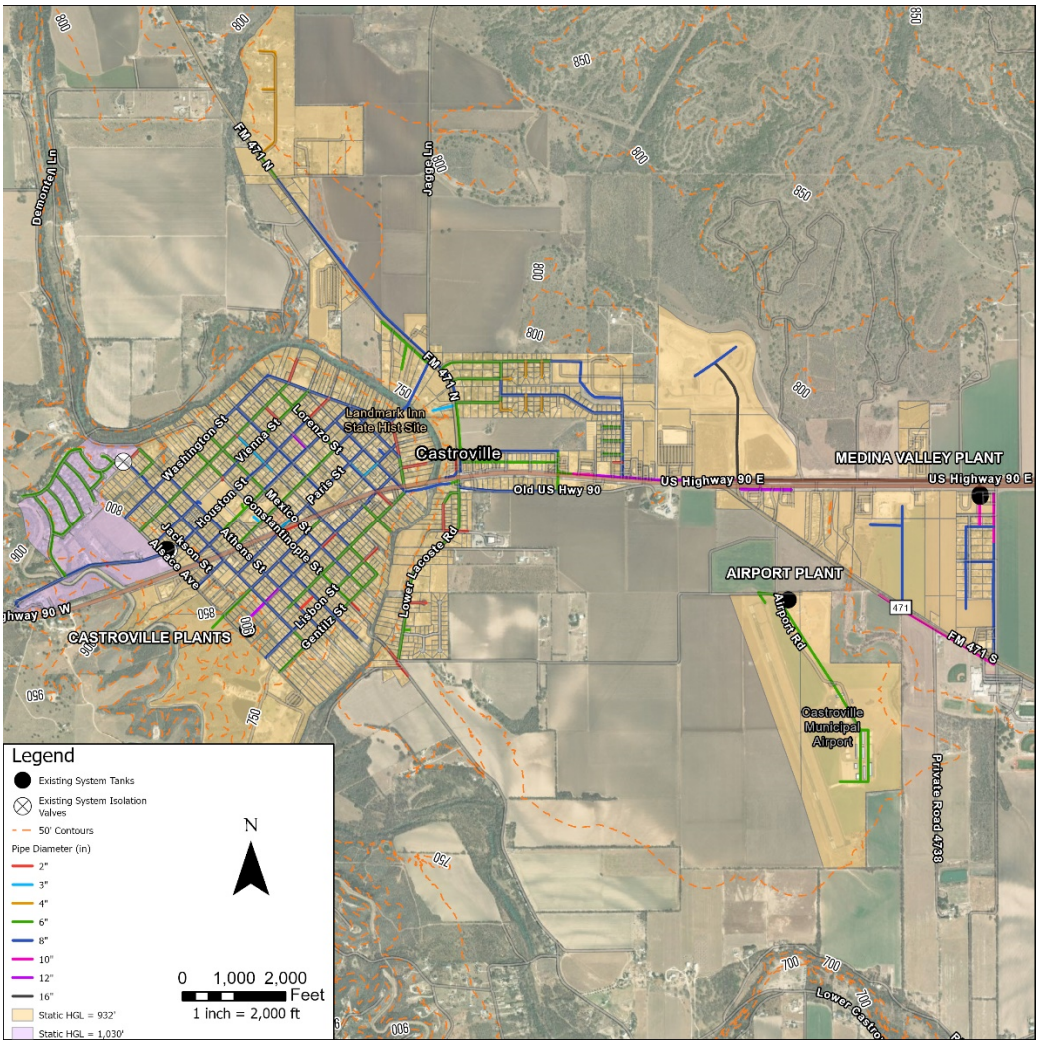


Figure 3-4 Existing Modeled Water System

The system was analyzed using the water model created under the flow conditions of average daily flow (ADF), maximum daily flow (MDF), and peak hour flow (PHF) under normal conditions. Per TCEQ Chapter 290 on Public Drinking Water, a water system must be designed to maintain a minimum pressure of 35 psi at all points within the distribution system under all conditions of flow. As expected, the pressures were lower at higher elevations and higher at lower elevations. Generally, the distribution pressure within the system was over 50 psi for all model runs. However, there are 2 nodes that were continually lower than the 35 psi TCEQ requirement for the ADF, MDF, and PHF model runs. One node is located at the intersection of London St and Alsace Ave and the second node is located approximately 327 feet southwest of the previously stated node. This line does not appear to be serving any residences and has not been field verified, but it is present within the base map of the distribution system provided to us by the city, so it was included within our model.

Under PHF conditions, the lowest pressures in the system were found to be at the southwestern, western, and northern portions of the system (Cross Hill, Hillside, and the Creekside community, respectively). Pressures at these higher elevations were generally found to range between 40 – 50 psi. These locations experience lower pressures due to their high elevations and/or their distance from the nearest source tank, which ultimately increases its overall head loss. Potential improvements could be made by either adding booster pump stations or a future loop from the proposed Alsatian Oaks well site.

A fire flow analysis was completed on the existing water system. Fire flow parameters within the model were set at a minimum pressure of 20 psi at each node and 10 feet per second maximum velocity for mains in accordance with TCEQ requirements. The results of the analysis depict the hydrant fire flow and pressure throughout the system. The WaterCAD fire flow analysis function examines whether fire flow is available at each node within the system while maintaining the required residual pressure. As anticipated, areas served by smaller lines (Creekside Subdivision, among others) do not have the ability to provide fire flow. Additionally, the River Bluff Subdivision (located on the southwest side of the system) does not meet these fire flow constraints. A more detailed map displaying all areas that cannot provide 1,000 gpm fire flow while maintaining 20 psi residual pressure are shown within Appendix A. Storage and well capacity were also analyzed based on TCEQ Regulations on Minimum Water System Capacity Requirements (Chapter 290.45). The City of Castroville has more than 250 connections, so the following standards apply: two or more wells with a total capacity of 0.6 gpm per connection, total storage capacity of 200 gallons per connection, two or more pumps with a total capacity of 2.0 gpm per connection, and elevated storage capacity of 100 gallons per connection. With a conservative calculated need for capacity using the LUEs instead of number of connections, wells and storage tanks have adequate capacity for the system as seen in Table 3-4. The recently upgraded service pumps have ample capacity to serve the existing system.

Table 3-4 Existing Water System Capacity

Type of Capacity	# of Connections	Multiplier	Calculated Need for Capacity	Existing Available Capacity	Percent of Capacity
Well	2,233 LUEs	0.6 gpm/connection	1,340	2,200	60.91%
Pump		1000 gpm total	1,000	4,100	24.39%
Elevated Storage		100 gallons/connection	223,300	500,000	44.66%
Total Storage		200 gallons/connection	446,600	880,000	50.75%

3.2 EXISTING WASTEWATER SYSTEM

The City's existing system currently treats an average of .38 MGD to approximately 2,082 existing services. Wastewater is collected throughout the city via approximately 26 miles of wastewater mains from 8-inches to 24-inches as shown in Figure 3-5. There is no gravity flow to the existing Castroville WWTP, located on the southern corner of town near the Castroville Regional Park.

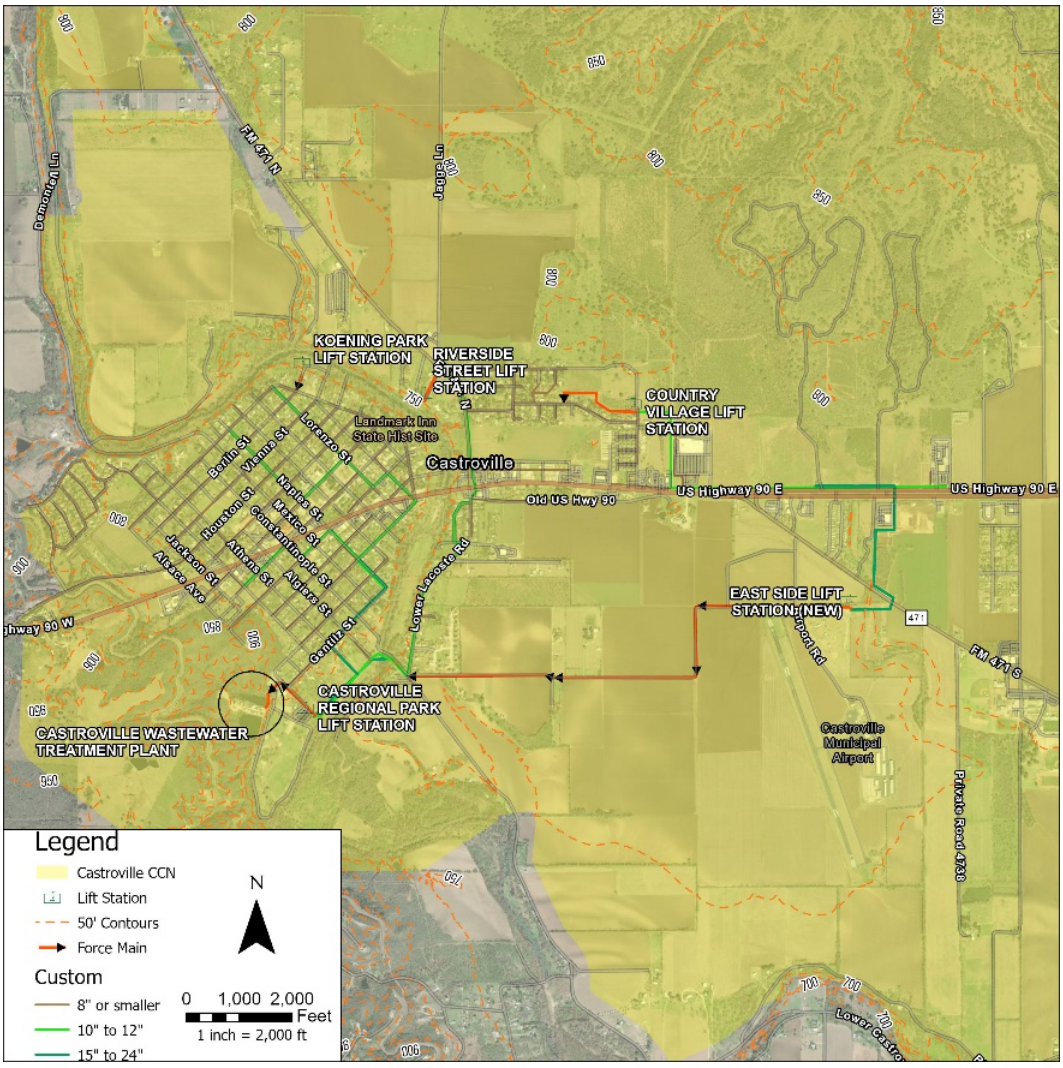


Figure 3-5 Existing Wastewater System

The city WWTP operates at a higher elevation than much of the collection system, and influent must be pumped to the headworks. The plant inflow water is collected at two major lift stations: the Main Lift Station near Castroville Regional Park and the East Side Lift Station near the Castroville airport. Although the Castroville wastewater system includes a total of five lift stations, for this report, the Main Lift station and East Side Lift Station are considered major lift stations as they directly discharge to the WWTP. The other three lift stations are considered minor lift stations which collect localized flow and discharge to a nearby gravity main. A schematic of the collection system is shown in Figure 3-6. Lift station data on pump capacity can be found in Table 3-2.

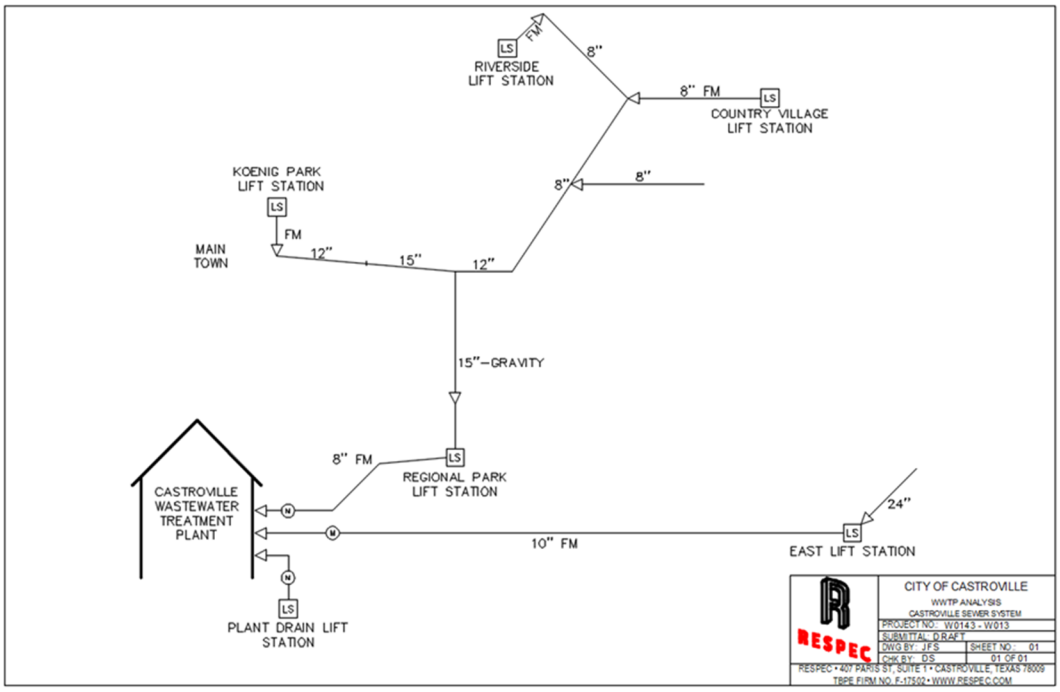


Figure 3-6 Wastewater Collection System Schematic Drawing

Table 3-2 Wastewater Existing Lift Stations

Lift Station ID	Lift Station Size	Pump Capacity	Force Main
Main Regional	Dia: 10′ Storage Depth: 1.5′	2 pumps @ 1030 gpm	10″ dia PVC
East Side	Dia: 27′ Storage Depth: 1′	2 pumps @ 750 gpm	10″ dia PVC
Koenig Park	Dia: 6′ Storage Depth: 2′	2 pumps @ 50 gpm	10″ dia PVC
Riverside	Dia: 6′ Storage Depth: 9′	2 pumps @ 250 gpm	10″ dia PVC
Country Village	Dia: 6′ Storage Depth: 3′	1 pump @ 230 gpm	10″ dia PVC

The WWTP is currently permitted to discharge 0.7 MGD. The plant discharges its effluent into holding ponds for agricultural use and a city park. The plant also is under a permit to discharge to an unnamed natural drainage swale which ultimately discharges into Medina River south of the Medina Diversion Lake.

A recent report, Wastewater Flow and Optimization for Castroville, Texas, was published in June of 2022. This report analyzed the existing wastewater load to the collection system, capacity of the wastewater treatment plant and lift stations. The flow rates and capacity results were utilized from this report for modeling purposes. Using hourly flow data provided by City staff, a diurnal curve was produced to analyze the daily average flows through the treatment plant. The daily average flow was calculated as 180 GPD per LUE or 0.38 MGD at the plant.

The LUE count for the wastewater model was calculated in a similar manner to the water model with the exception that the existing number of services was based off a rooftop count of the existing service area. Then the commercial adjustment data from the water system's increased commercial demands was analyzed and added to the existing number of wastewater services based on which commercial

sites were within the existing wastewater service area. The calculated process to the existing LUEs is shown within Appendix B.

3.2.1 WASTEWATER MODEL SUMMARY

InfoSewer was utilized to model the City of Castroville wastewater system and review system flow, capacity, and velocity. Topology used in the model are gathered from Texas Natural Resources Information System (TNRIS) (https://data.tnris.org/). The collection system arrangement was taken from base GIS files provided by the City of Castroville.

Assumptions made for the purposes of this model are explained as follows:

- The model is a simplified system where not all manholes are represented.
- Rim elevations are set to ground level using recent TNRIS topology.
- The manhole rim and invert elevation data were determined through survey data where available. Some manholes were not accessible due to surcharge and were assumed based on data from the previous master plan produced.
- Minor lift stations were modeled as loading directly into their nearby manhole due to their small load impact.
- Average diurnal flows were provided in the recent Wastewater flow and optimization report for Castroville, Texas. Within this report, the existing loads on the collection system was analyzed. The calculated average flow rate was calculated as 180 GPD per LUE.
- The SAWS standard, 2.5 times the normal average flow, was used for the peak flow multiplier.
- Each line is unobstructed meaning there are no blockages, debris, or sediment that may reduce the capacity of the line.
- The pipes were analyzed with the profile outputs for average flow and peak flow at steady state and extended period simulation.
- Existing septic system areas were not included in the modeling of the sewer system.
    - Castroville State Bank
    - Creekside Subdivision
    - Deer Valley Subdivision

Due to the assumptions made, there are limitations of the model results that require notation. Flow problems due to blocked or partially blocked lines would not be indicated in this model as all lines were assumed to be able to provide full capacity. Thus, the results of this model will show only capacity problems in the existing collection system under ideal conditions.

The gravity collection system was simplified to key trunklines and manholes. These key trunklines were important as they collect the city's wastewater and feed it to the existing major lift stations. All small gravity mains, such as the 8-inch gravity mains, were not modeled but instead included as loads to their respective downstream manhole. The exception to this was 8-inch gravity mains that are downstream from a minor lift station. These mains were included to collect minor lift station loads and feed them into the key trunklines via gravity. To further simplify the model, if several city blocks of pipe segments ran continuously along a street, then these pipe segments were consolidated. Their manholes were simplified as well including the manholes as the start and end of this consolidated pipe segment. This simplified a street of four gravity mains to one consolidated gravity main with an average slope. By combining consecutive mains and considering small mains as loads, the overall system was simplified from over 350 gravity mains to 17 key gravity trunkline mains. Similarly, instead of over 320 manholes being modeled, only 17 key manholes were used in the model. The simplified collection system is shown in Figure 3-7.

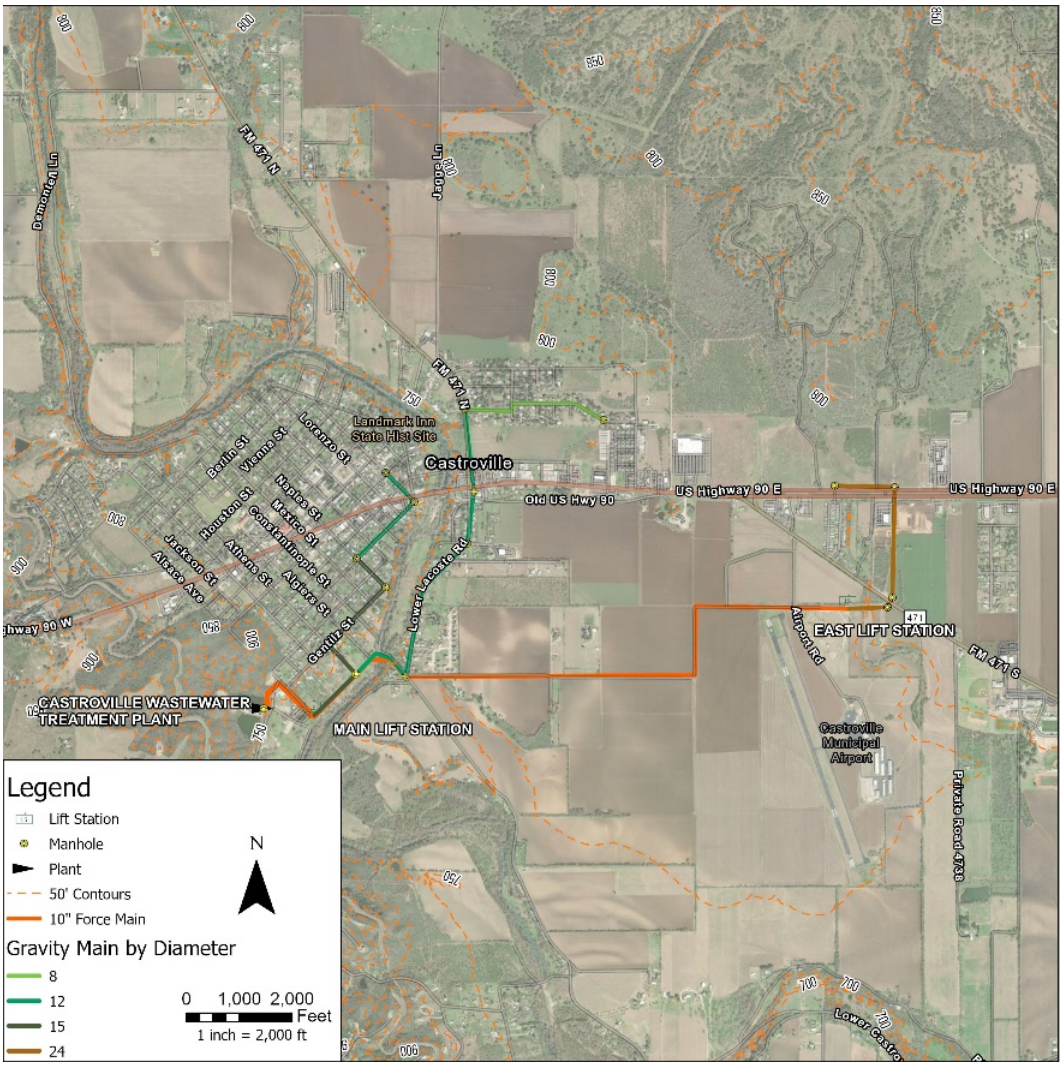


Figure 3-7 Existing Wastewater System

It is important to note that some of the older city mains may not meet TCEQ standards regarding slope requirements. These mains are located on the west side of the Medina River and were modeled using their existing slope regardless of not meeting TCEQ standards. Existing material of collection pipes were important in modeling the friction of the collection system. Through survey of the key locations, the system was found to be typically made of vitrified clay pipe (VCP) throughout the older pipes located on the west side of the river. The east side of the river was identified as polyvinyl chloride (PVC) pipe as this is the more recently constructed side of town.

3.2.2 EXISTING CONDITIONS RESULTS

The existing system was surveyed at key locations and visually inspected, as well as modelled under extended period simulation and steady state for both average daily and peak flows. The system was analyzed based on current TCEQ Chapter 217 Design Criteria for Domestic Wastewater Systems. Generally, pipeline velocity within a wastewater gravity system should remain greater than 2 ft/s and less than 10 ft/s for full pipe operation. Additionally, gravity systems should be designed within the minimum and maximum slopes parameters to maintain these velocity parameters.

The capacity of the wastewater treatment plant was analyzed as seen in Table 3-5 based on the calculated average usage of 180 gallons per day per connection. With a conservative calculated need for capacity using the LUEs instead of number of connections, the existing WWTP has the capacity for the total wastewater services within the City of Castroville's service area.

Table 3-35 Existing Wastewater System Capacity

Type of Capacity	# of Connections	Multiplier	Calculated Need for Capacity	Existing Available Capacity	Percent of Capacity
Existing City of Castroville WWTP	2,082 LUEs	180 gallons per day per connection	0.375 MGD	0.900 MGD	41.64%

Using InfoSewer for modeling, the Lift Stations, gravity collection lines, and manholes were analyzed. The lift stations were found to be in good condition. Comparing peak flow to the pump capacity, both lift stations meet design standards and need no upgrades based on existing services and conditions. Regional Main lift station was found to be meeting peak flows with only one pump on. The second pump does not turn on when modeled under 24 hours. East Side lift station was found to be meeting peak flows mainly with one pump on. The additional pump did turn on once within a 24-hour model.

The gravity collection lines, under average daily and peak hour steady state conditions, overall met capacity with the exception being one manhole and gravity main being surcharged and pressurized. This pair are directly downstream of the new Alsatian Oaks subdivision's outfall. Since the entire Alsatian Oaks residential subdivision and commercial district all discharge to this manhole at the same time during steady state or worst case scenario, we can assume the surcharge is due to the high volume of water entering the manhole at once. The pipe segment directly downstream of this manhole is subsequently pressurized due to the high flow. No other manholes or pipes downstream were affected by this under steady state. Under an extended 24-hour period simulation using the city's diurnal flow data, the same main and manhole were found as pressurized and surcharged which was the same surcharged manhole during the steady state conditions. Within this timed simulation, the pipe was shown to be under pressure throughout the full 24-hour period due to the pressure caused by the surcharged manhole on the upstream end. The high pressure is due to the large flows being discharged from the Alsatian Oaks area. The manhole and pipe segment should be reviewed periodically as the Alsatian Oaks development progresses so that the surcharging can be verified and addressed. Detailed results of the InfoSewer analysis can be found in Appendix B.

The area upstream of Regional Main Lift Station includes a series of 7 manholes directly upstream of the lift station that are often found surcharged. These surcharged manholes and gravity mains were cleaned, televised, and surveyed to identify the cause of the surcharge and proposed remedy. Upon visual inspection and survey, the pipes and manholes were noted to be in fair condition and generally functioning as designed. The manholes and gravity mains were in fair condition with no major defects that would cause surcharge. However, material blockage was found that appeared to be a result of the solids settling out from the stagnant conditions. Upon further analysis, the lift station was found to have limited storage as the gravity discharge into the wet well is near the top of the pumps. This causes the

mains discharging into the lift station to act as the storage function for the lift station result in frequent surcharge condition in the upstream manholes and pipes.

Based on the overall hydraulic analysis of the existing sewer system, the system's pipe sizes have adequate capacity for the current population's accumulated flow within the system. Although meeting capacity, the system was observed to have several non-compliant pipe slopes based on TCEQ design criteria. It is recommended that the city should bring these mains into compliance as repairs and replacements are necessary. These improvements will maintain adequate slopes in the system to prevent capacity and debris issues as well as improve the flow of the system. The city should also remedy the cause of the surcharge identified upstream of the Regional Main Lift Station to restore full capacity to the gravity main. To remediate the surcharge, it is recommended that the Regional Main Lift Station be improved to modernize the pumps and increase the wet well capacity so that the gravity mains do not function as storage.

4.0 PROPOSED INFRASTRUCTURE IMPROVEMENTS

The proposed developments in the multi-party agreement will add approximately 5,000 LUEs and 12,527 acres of commercial, institutional, park, residential and utility land use, as shown in Figure 4-1. The additional LUEs included within these developments were provided by the developers to secure water rights to their developments. These 5,000 LUEs are to be served water by a proposed production facility located within northeastern portion of a proposed development. Wastewater will be collected via new sewer mains which will tie into trunk mains that flow to the East Side Lift Station East Side Lift Station as detailed within the recent feasibility study prepared by RESPEC. A breakdown of the LUE distribution for the proposed infrastructure improvements can be seen in Table 4-1. Within the table, the LUEs are broken down into developments based on each development's current design plans. Of the 5,000 LUEs, 1,052 LUEs are not currently reserved for a specific development. An assumption was made that the remaining 1,052 LUEs, noted as "Miscellaneous City of Castroville LUEs" within the table breakdown, would be developed nearby the proposed developments.

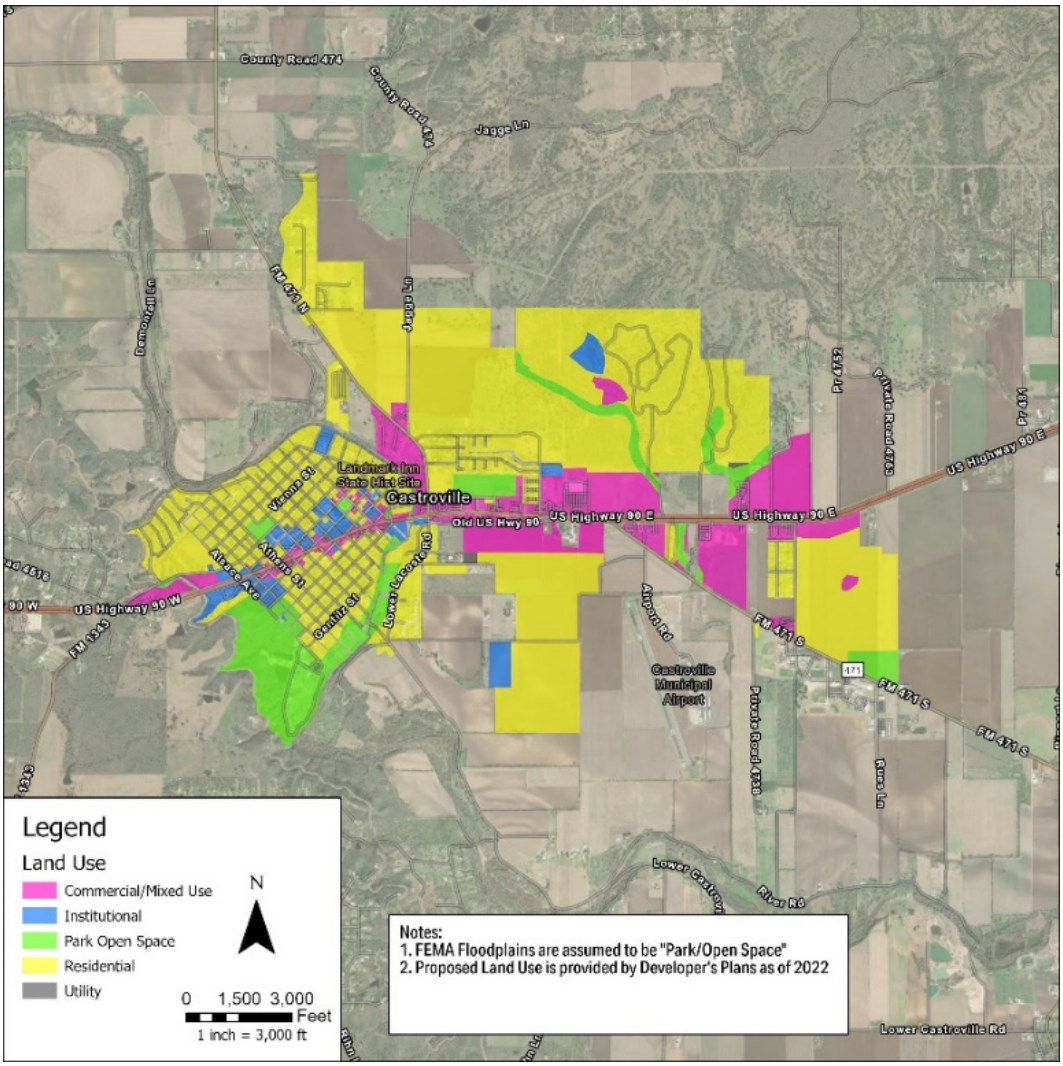


Figure 4-1 Proposed Land Use Distribution

Table 4-1 Proposed Living Unit Equivalent Distribution

Phase	Area	Water LUEs	Wastewater LUEs
Existing	Existing City of Castroville	1,593	1,442
	Alsatian Oaks Phase 1	586	586
	Country Village	54	54
Proposed	Alsatian Oaks Phase 2	789	789
	Cobblestone	1,300	1,300
	DeCock Farms	761	761
	Haby Tract	123	123
	Jagge Ranch	800	800
	Victory Lane	175	175
	Miscellaneous City of Castroville LUEs	1,052	1,052
	Total Proposed LUEs	**7,233**	**7,082**

Previous studies have been conducted to research the impacts to the existing water and wastewater systems based on storage and plant capacities. Results from these studies have led to the proposal of several improvements to meet TCEQ requirements for capacity, redundancy, and reliability. Some improvements are already in construction or design phase to meet the needs of the new developments.

The water and wastewater systems have been modeled based on the proposed infrastructure described above. Analysis of these models confirm the proposed system handles the addition of the 5,000 LUEs to the system in this scenario. The detailed results of the water and wastewater proposed models including figures and tabled results can be found in Appendix A for water results and Appendix B for wastewater results.

4.1 WATER PROPOSED INFRASTRUCTURE IMPROVEMENTS

The proposed condition's infrastructure will include the improvements already in construction and proposed improvements provided by previous studies as shown in Figure 4-2.

Recent construction of the Alsatian Oaks Phase I improvements will upgrade the Medina Valley WSC plant as well as provide a water main extension of 6,000-feet of 16-inch water main to provide water to the Alsatian Oaks development. The plant will be improved with upgraded well pumps, storage tank, service pumps, and hydropneumatic tank. The well pump is getting upgraded from a 400 gpm to a 2,000-gpm vertical turbine pump. The ground storage tank is getting upgraded from a 50,000 gallon to 300,000-gallon tank. The three service pumps are getting upgraded from 645 gpm to 800 gpm. The hydropneumatic tank is getting upgraded from 2,500 gallons to 15,000 gallons. A proposed 20'x20' prefabricated precast building is being constructed to protect instrumentation and storage.

Recent studies completed by RESPEC have proposed additional improvements needed to upgrade and support the remaining 5,000 LUEs proposed within this proposed condition. These improvements include several water main extensions and an additional well site located within the Alsatian Oaks development. With the proposed new developments, three water main extensions have been proposed to provide water to each development. Approximately 900 feet of 16-inch water main along US 90 E will provide water to the Victory Lane development. An additional 900 feet of 16-inch water main along US 90 E will provide water to the Castroville Tract development. Approximately 1,600 feet of 16-inch water main under US 90 W will provide water to the Cobblestone Farms development. The proposed Alsatian Oaks Well Site is located within the new Alsatian Oaks development. It will include a new 3,000 gpm production well and a 1,500,000-gallon elevated storage tank to provide adequate pressure and storage for the Medina Valley Water Supply system to meet TCEQ requirements.

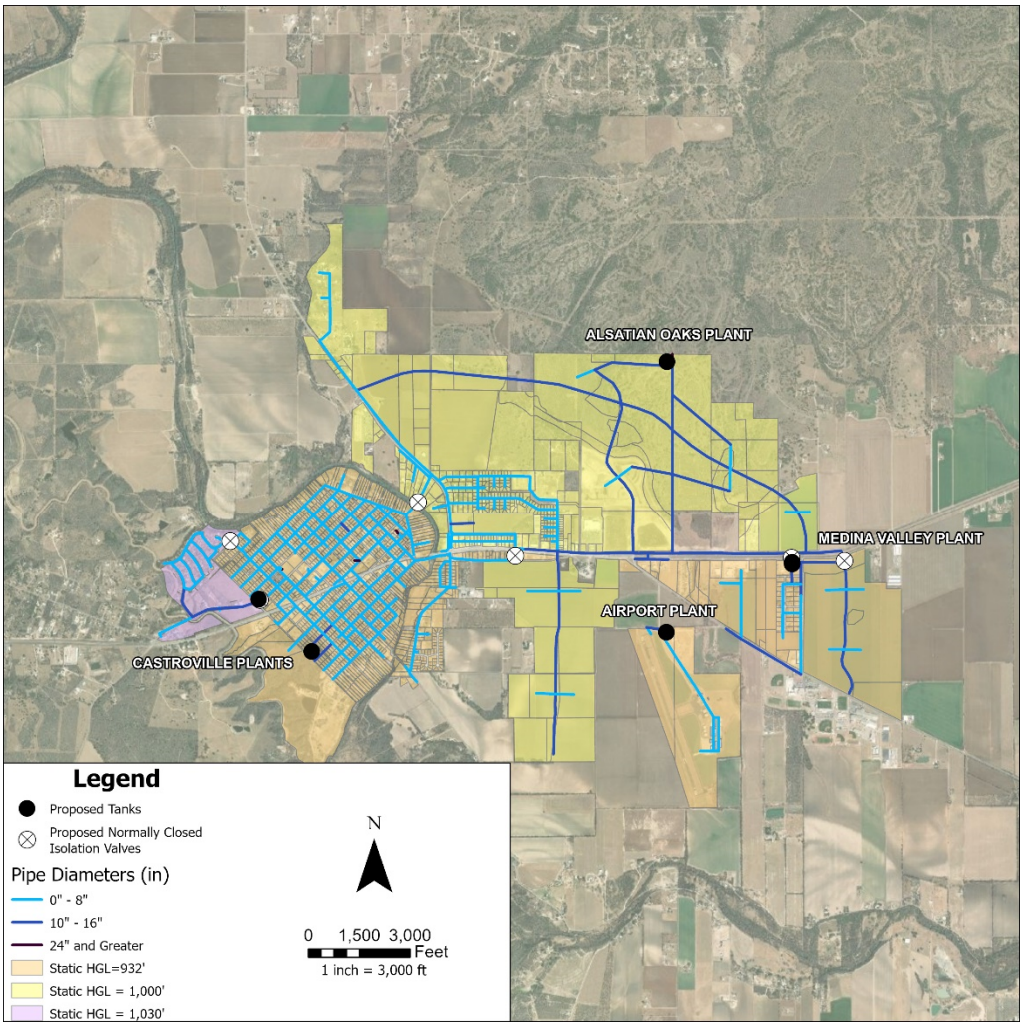


Figure 4-2 Proposed Infrastructure Modeled Water System

In addition to modeling, the proposed improvements to support projected growth in the eastern portion of the City, this model includes potential system upgrades that would alleviate some of the deficiencies in the existing system. One potential project would be to upsize the existing 8-inch and 6-inch water lines running along Old US Highway 90 and River Bluff Rd, respectively, to 12-inch lines. This would greatly reduce friction losses from the booster station in town to River Bluff subdivision and the model indicates that fire flow could then be provided to the entire subdivision. Another area of concern in the existing system, as discussed, is Creekside Subdivision. The most effective way to increase the pressures experienced in that area would be to provide a loop from the Alsatian Oaks well site to FM 471. This has been modeled along the "Northern Route" roadway corridor provided by the City of Castroville. If this waterline loop is not feasible for the City at this time, another option for improving water pressure within Creekside would be to install a small booster station.

4.2 WASTEWATER PROPOSED INFRASTRUCTURE IMPROVEMENTS

The proposed conditions' infrastructure will include the improvements already in construction and proposed improvements provided by previous studies as shown in Figure 4-3.

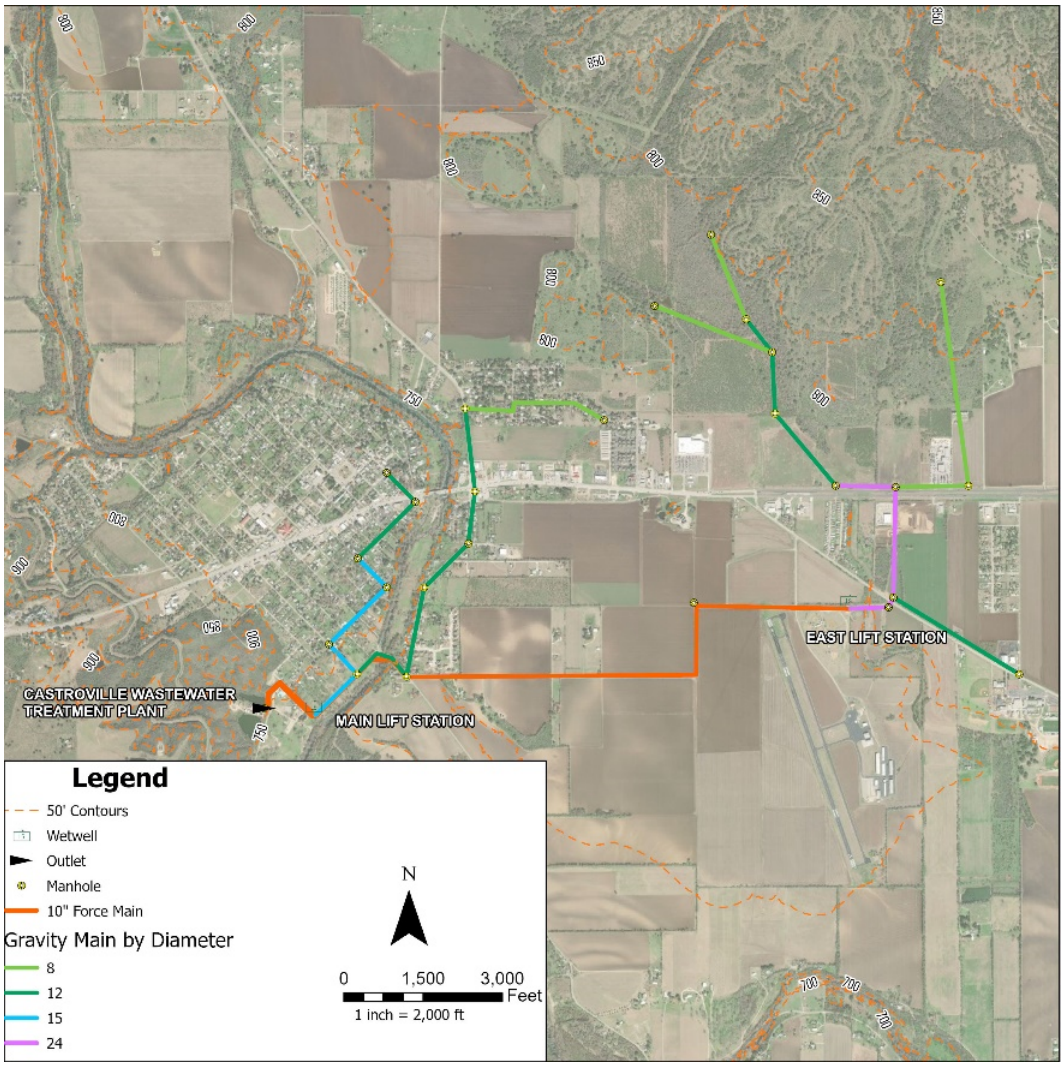


Figure 4-3 Proposed Infrastructure Modeled Wastewater System

Recent construction of the Alsatian Oaks Phase I improvements will provide 1,800-feet of 24-inch wastewater main extension along US 90 W to provide service to the Alsatian Oaks development.

Recent studies reported by RESPEC have proposed additional improvements needed to upgrade and support the remaining 5,000 LUEs proposed within this proposed condition. These improvements include several wastewater main extensions, lift station upgrades and plant upgrades. With the proposed new developments, four wastewater main extensions have been proposed to provide water to each development. Approximately 2,600 feet of 18-inch sewer main along US 90 W will provide wastewater services to the Jagge Ranch development. An additional 1,100 feet of 18-inch main wastewater main will start at the end of the Jagge Ranch extension and extend eastward to provide wastewater service to the Victory Lane development. Approximately 2,800 feet of 12-inch wastewater main along FM 471 will provide wastewater services to the Castroville Tract development. Approximately 4,000 feet of 18-inch sewer main will provide wastewater services to the Cobblestone Farm development. An additional pump is proposed to be installed at the East Side Lift Station to improve system redundancy and TCEQ requirements for system reliability. The Regional Main Lift Station is proposed to be upgraded with additional storage. Lastly, an equalization storage system is

proposed to be installed at the Castroville Wastewater Treatment Plant to provide improved plant efficiency, consistent flow through the plant, and additional storage.

5.0 ULTIMATE CONDITITIONS

The City of Castroville's existing CCN boundary extends beyond the current city limits. With the growth of the City of Castroville, the ultimate conditions have been proposed to include all undeveloped land up to the existing CCN boundary as well as any uncertificated land up to the next neighboring CCN boundary shown in Figure 5-1. Undeveloped land is considered to be land that has been certificated under the City of Castroville's existing CCN boundary but has not yet been developed with any infrastructure such as residential or commercial use. Uncertificated land is considered to be land that has not yet been claimed under any existing CCN according to the Public Utility Commission. The ultimate water and wastewater service areas do not match one another due to the limitations of existing neighboring water service areas and existing septic system service areas.

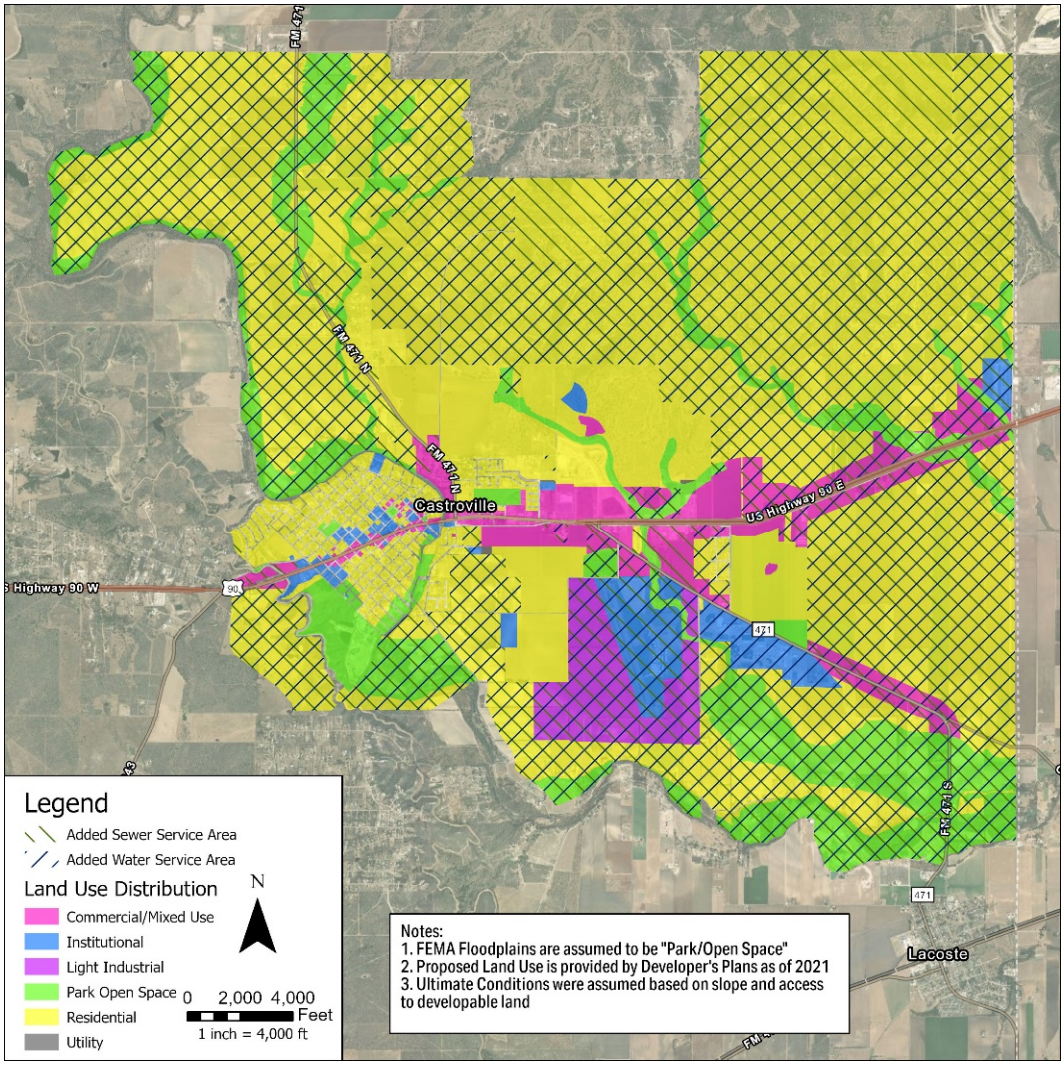


Figure 5-1 Ultimate Land Use Distribution

The addition of this area will increase the service area by approximately 14,038 acres and 15,009 acres for water and wastewater, respectively which would increase the total number of LUEs by approximately 35,369 and 38,329 LUEs respectively as shown in Table 5-1. The additional LUEs provided by the ultimate expansion of the City of Castroville were calculated using an LUE per acreage coefficient to the number of acreages being added to the service area. The total LUEs at the time of the Ultimate Phase should be summation of the number of existing LUEs, proposed development LUEs, and ultimate LUEs as shown in Table 5-2.

Table 5-1 Ultimate Additional LUEs based on Land Use*

Land Use	Additional Water Land (acres)	Additional Water LUEs	Additional Wastewater Land (acres)	Additional Wastewater LUEs	LUE per acre Coefficient
Commercial	525.4	1,855	644	2,273	3.53
Institutional	458.2	916	299.9	600	2.00
Light Industrial	490.8	1,472	490.7	1,472	3.00
Park Open Space	2,387.6	597	2,450.1	612	0.25
Residential	10,176.2	30,528	11,123.9	33,372	3.00
Total	**14,038.2**	**35,368**	**15,008.5**	**38,329**	**-**

*Note: Acreage and LUES are rounded up

Table 5-2 Ultimate Living Unit Equivalent Distribution

Phase	Area	Water LUEs	Wastewater LUEs
Existing	Existing City of Castroville	1,593	1,442
	Alsatian Oaks Phase 1	586	586
	Country Village	54	54
Proposed	Alsatian Oaks Phase 2	789	789
	Cobblestone	1,300	1,300
	DeCock Farms	761	761
	Haby Tract	123	123
	Jagge Ranch	800	800
	Victory Lane	175	175
	Miscellaneous City of Castroville LUEs	1,052	1,052
Ultimate	Miscellaneous City Expansion of CCN	35,369	38,329
	Total Ultimate LUEs	**42,602**	**45,411**

5.1 ULTIMATE WATER SYSTEM

To serve the full CCN of 42,602 LUEs, improvements will need to be made to provide not only service to these areas, but to also provide system capacity and reliability based on TCEQ standards. The modeling system, WaterCAD, has been utilized to estimate the necessary improvements needed to meet pressure and fire flow needs. Elevations utilized within this model were assembled from Texas Natural Resources Information System (TNRIS) (https://data.tnris.org/).

5.1.1 WATER MODEL SUMMARY

Assumptions made for the purposes of this model are explained as follows:

- The model is based on approximated locations of future water lines. Many ultimate water mains were modeled alongside roadways.
- It was assumed that the layout of the piping was on the surface of the topology.
- Flow demands remained consistent with that of the existing and proposed models.
- The Hazen-Williams coefficient (C) value was set to a conservative value of 120 per the 2016 San Antonio Water System Utility Service Regulations (Chapter 9.1).
- The minor loss coefficients inputted into the system (tees, crosses, wyes, 90-degree elbows, etc.) were determined based on values provided within the WaterCAD program.

5.1.2 ULTIMATE CONDITIONS RESULTS

For modeling purposes, the ultimate development area was broken into potential service areas that would operate on separate pressure planes from one another. The assumption is that each of these service areas would be served by their own production/treatment facilities located at strategically beneficial points. This model assumes these facilities to be located along the ridgelines to take full advantage of the topography. The ultimate model assumes 4 additional production/treatment facilities within the system to accommodate the assumed full-buildout condition, with 3 facilities north of US 90 and 1 future facility south of US 90. These service areas were modeled with normally closed isolation valves to separate the different pressure planes. Each service area was studied to determine the required storage capacity along with distribution main sizes. Minimum storage requirements are governed by TCEQ guidelines for public water supplies, while lines are sized based on allowable velocities.

The sizing of the lines is based on the assumption that the entire service area is to be developed. As new developments are proposed, the system will need to be reanalyzed for the best fit approach. There is an unlimited number of scenarios in which the system could be modeled, but for the purpose of this study, it is assumed that the future water plants would be installed at centralized locations to allow for optimal distribution. Interim solutions will likely be required, but the ultimate assumed water system is shown below in Figure 5-2.

Peak hour flow, maximum daily flow, and average daily flow analysis has been run throughout the ultimate system. Of these scenarios, PHF is the controlling factor for both pressure and pipe velocity.. The PHF was run at 1.5 gpm per LUE within the system with a minimum pressure requirement of 35 psi. Modeling results are summarized graphically in Appendix A.

Storage and well capacity were also analyzed based on TCEQ Regulations on Minimum Water System Capacity Requirements (Chapter 290.45). With a conservative calculated need for capacity using the LUEs instead of number of connections, additional upgrades will need to be made to the plants to meet capacity as seen in Table 5-3. The upgrades needed will be increasing the well capacity to at least 25,595 gallons per minute, pump capacity to at least 85,318 gallons per minute, and total storage to at least 8,531,800 gallons.

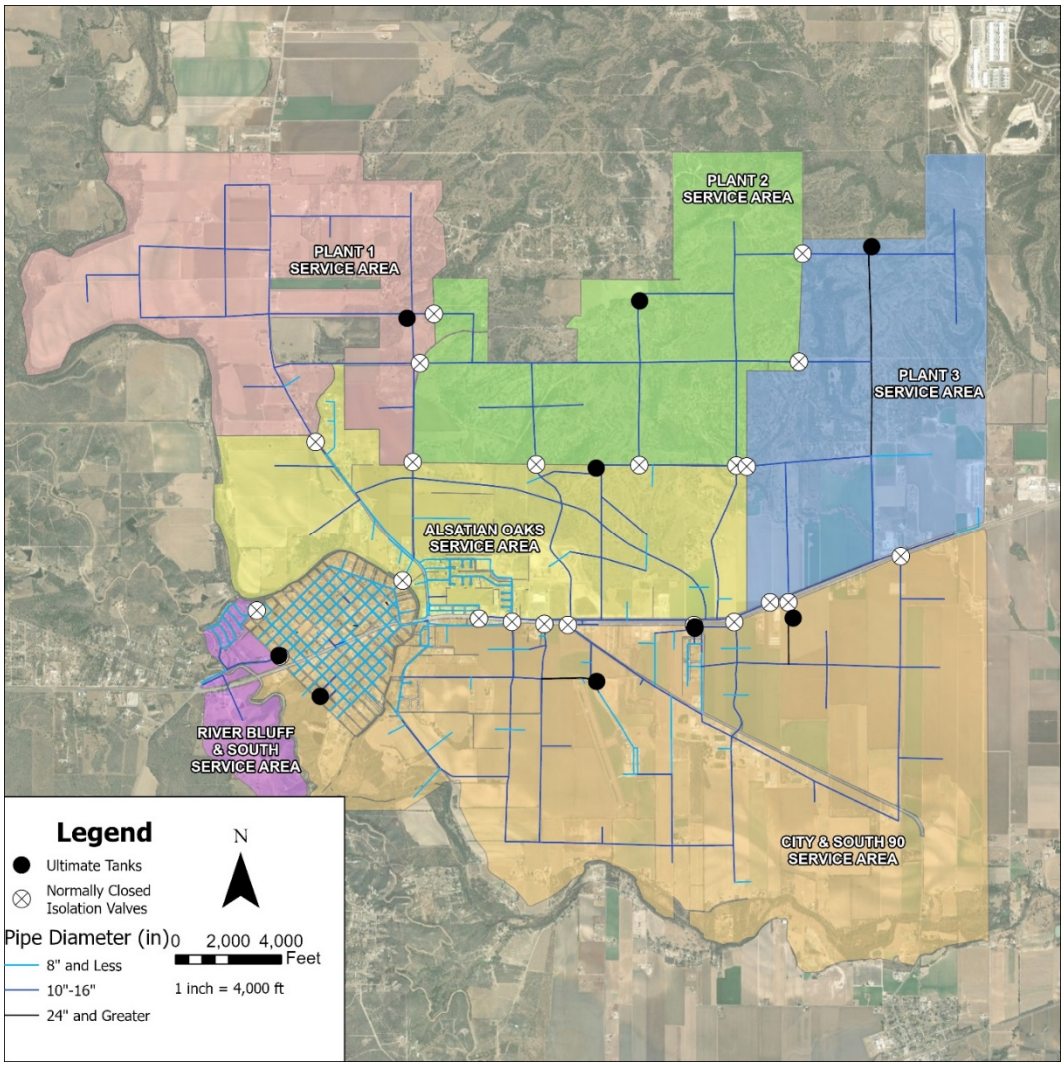


Figure 5-2 Ultimate Modeled Water System

Table 5-3 Ultimate Water System Capacity

Type of Capacity	# of Connections	Multiplier	Calculated Need for Capacity
Well	42,602 LUEs	0.6 gpm/connection	25,595
Pump		2.0 gpm/connection	85,318
Elevated Storage		100 gallons/connection	4,265,900
Total Storage		200 gallons/connection	8,531,800

5.2 ULTIMATE WASTEWATER SYSTEM

To serve the full 45,411 LUEs, improvements will need to be made to provide not only service to these areas, but to also provide system capacity and reliability based on TCEQ standards. The modeling system, InfoSewer, has been utilized to estimate the necessary improvements needed to meet capacity needs.

5.2.1 WASTEWATER MODEL SUMMARY

Assumptions made for the purposes of this model are explained as follows:

- All previous assumptions as discussed in section 3.2.1
- Existing septic system areas were not included in the modeling of the sewer system.
  - Castroville State Bank
  - Creekside Subdivision
  - Deer Valley Subdivision
  - Medina Valley School District (although not a septic system, it is already serviced by City of LaCoste)
- An additional WWTP was modeled to treat the additional load of the system that the existing WWTP cannot handle. It is assumed that the existing WWTP will meet capacity and instead of upgrading it further, an additional WWTP will be constructed to take remaining loads.
- Additional lift stations were modeled to assist in collecting and transporting loads through floodplains and hilltops.

Due to the assumptions made, there are limitations of the model results that require notation. Flow problems due to blocked or partially blocked lines would not be indicated in this model as all lines were assumed to be able to provide full capacity. Thus, the results of this model will show only capacity problems in the ultimate collection system under ideal conditions.

Similar to the existing model, the ultimate model was simplified to key trunklines and manholes. These key trunklines were important as they collect the city's wastewater and feed it to the existing major lift stations. To further simplify the model, if several city blocks of pipe segments ran consecutively, then these pipe segments were merged based on location. Their manholes were simplified as well including the key manholes as the start and end of a street. Doing this simplified a street of four gravity mains to one merged gravity main at the average slope. Proposed infrastructure within the ultimate condition are simplified estimates of what the infrastructure. The infrastructure is subject to change based on the timing and growth of future developments within the CCN.

5.2.2 ULTIMATE CONDITIONS RESULTS

The capacity of the wastewater treatment plant was analyzed in Table 5-4 based on the calculated average usage of 180 gallons per day per connection. As mentioned in Section 5.2.1, the ultimate model's total average and peak flows extend the capacity of the existing 1.0 MGD wastewater treatment plant. For the purposes of modeling, it was assumed that an additional WWTP would be constructed to take on the remaining loads from the rest of the CCN. The model produced is simply a possible scenario. Before the City reaches capacity in the upgraded WWTP, the City can decide if they'd prefer further upgrades to the existing WWTP or construct a new WWTP. The ultimate system was modeled to provide capacity for ultimate peak flow conditions. Within this scenario, 4,324 LUEs are directed to the original WWTP, while the additional 41,087 LUEs from the city's expansion are directed to a secondary plant on the southeast side of Castroville for the WWTP to maintain capacity.

Table 5-4 Ultimate Wastewater System Capacity

Type of Capacity	# of Connections	Multiplier	Calculated Need for Capacity	Available Capacity	Percent of Capacity
Existing City of Castroville WWTP	4,324 LUEs	180 gallons per day per connection	0.778 MGD	1.000 MGD	77.82%

Proposed WWTP	41,087 LUEs		7.396 MGD	-	-

Using InfoSewer for modeling, the collection system including Lift Stations, gravity collection lines, and manholes were analyzed. For more detailed results including figures and tabled results, see "InfoSewer Ultimate Results" within Appendix B. In modeling the system, two additional lift stations were added to the model to assist in directing flow through difficult terrain such as floodplains and hilltops. Based on the ultimate condition flows, the Main Regional Lift Station will need further upgrades to increase the lift station's storage. The East Side lift station will need upgrades to the pumps and storage for the increased load. The updated lift stations details are shown in Table 5-5. Comparing peak flow to the pump capacity, all lift stations meet design standards for meeting peak capacity. Regional Main lift station was found to be meeting peak flows with only one pump on when modeled under a 24-hour scenario. East Side Lift Station, when modeled under a 24-hour scenario, used the 2 upgraded pumps and did not turn on the third pump. The Northwest Side Lift station meet flows with only one pump when modeled under a 24-hour scenario. The Northeast Side lift station, when modeled under a 24-hour scenario, used both pumps during peak hours.

Table 5-5 Wastewater Ultimate Lift Station Upgrades

Lift Station ID	Phase	Lift Station Size	Pump Capacity	Force Main
MAIN REGIONAL	Existing	Dia: 10' Storage Depth: 4'	2 pumps @ 1030 gpm	10" dia PVC
	Ultimate	Dia: 20' Storage Depth: 4'	2 pumps @ 1030 gpm	10" dia PVC
EAST SIDE	Existing	Dia: 10' Storage Depth: 8'	2 pumps @ 750 gpm	10" dia PVC
	Ultimate	Dia: 60' Storage Depth: 8'	3 pumps @ 2400 gpm	10" dia PVC
NORTHWEST SIDE	Existing	NEW LIFT STATION		
	Ultimate	Dia: 10' Storage Depth: 10'	2 pumps @ 1200 gpm	10" dia PVC
NORTHEAST SIDE	Existing	NEW LIFT STATION		
	Ultimate	Dia: 10' Storage Depth: 10'	2 pumps @ 1800 gpm	10" dia PVC

Additional collection gravity mains and manholes were modeled to collect the flows from the additional areas throughout the CCN area. The existing gravity mains did not need upgrades except for one main needing to be upgraded from an 8-inch to a 12-inch. All changes to the collection mains at ultimate condition can be seen below in Table 5-6 and Figure 5-3**Error! Reference source not found.**. The gravity collection system was modeled under steady state for average and peak flows as well as a 24-hour extended period simulation. Based on average daily flows at steady state condition, 3 manholes were surcharged, 3 gravity mains were pressurized, and no manholes were overflowed. These manholes and gravity mains are downstream and upstream to each other and the northeast side lift station. When peak hour flows were modeled at steady state, 14 manholes were surcharged, 14 gravity mains were pressurized, and no manholes were overflowed. These manholes and gravity mains were upstream from lift stations and likely are used for additional storage from the lift stations during the peak hours. Lastly, when the system was modeled under 24-hour period simulation, 4 gravity mains were pressurized, and 3 manholes were surcharged but not overflowed. These areas of concern were upstream of the

northwest and northeast lift stations and were likely pressurized since the mains were being used for storage when the lift station was running at peak hours.

Table 5-6 Wastewater Collection System Upgrades

ID	Existing Size	Ultimate Size	ID	Existing Size	Ultimate Size	ID	Existing Size	Ultimate Size
001	15"	15"	023	12"	12"	050	24"	24"
002	12"	12"	030	12"	12"	051	8"	12"
010	12"	12"	031	12"	12"	160	24"	24"
020	15"	15"	032	12"	12"	161	24"	24"
021	15"	15"	040	12"	12"	162	24"	24"
022	15"	15"						

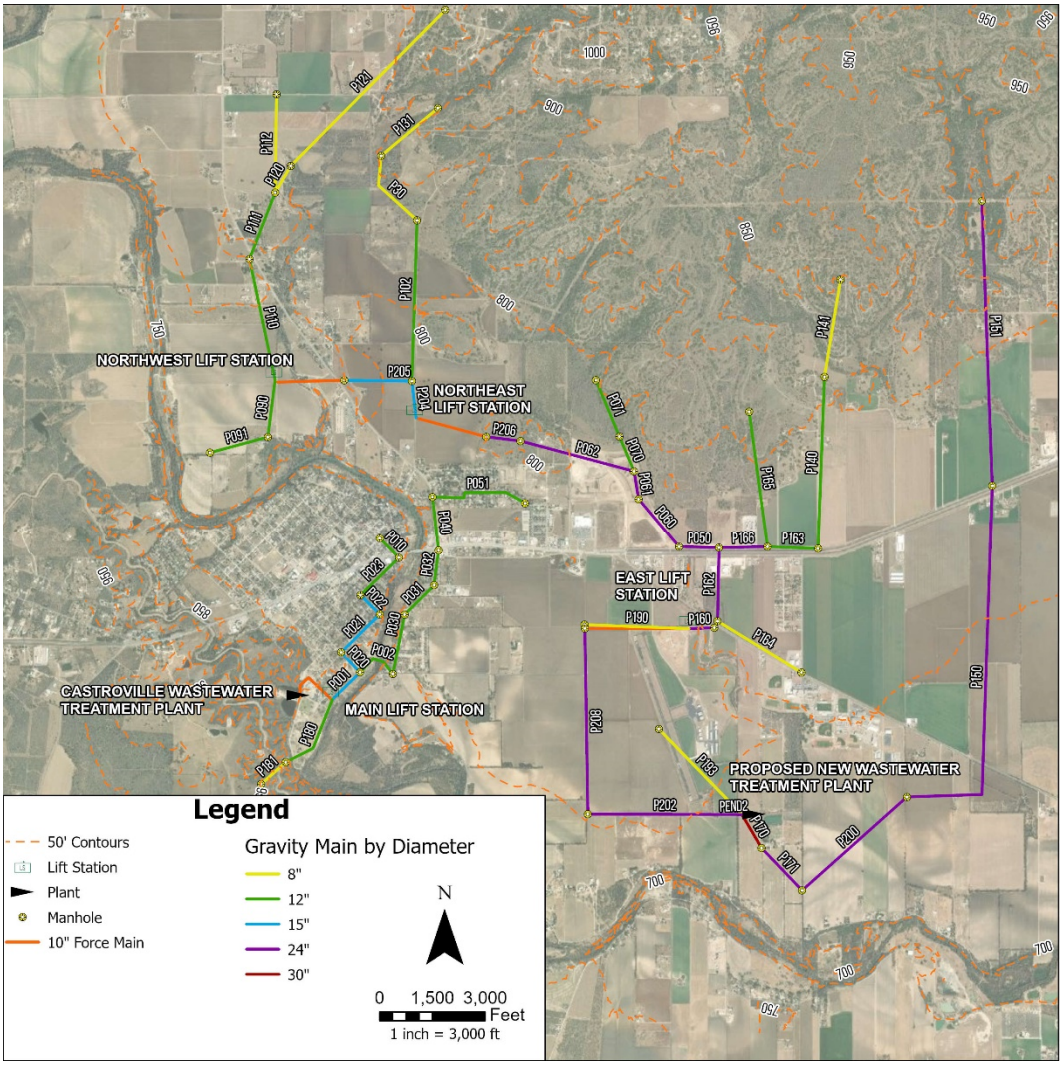


Figure 5-3 Ultimate Modeled Wastewater System

6.0 RECOMMENDATIONS

RESPEC provides the following near-term recommendations for the City:

- Initiation of well and water storage projects as described in previous reports.
- Identification planned traffic thoroughfares in the city which may dictate alignment for future water distribution and sewer collection mains.
- Develop a list of potential locations for future elevated water storage.
- Initiation of improvements to the Reginal Main Lift Station to replace aging infrastructure, address frequent surcharging of the sewer main along the Medina River, and reduce risk related to the location near the park and river.
- Planning for rehabilitation of the sewer main along the Medina River upon completion of lift station improvements
- Planning for a Flow Equalization Basin at the existing WWTP to improve plant performance and efficiency as discussed in previous reports
- Develop a list of potential locations for future wastewater treatment plants.
- Continue engagement with development teams for acquisition of water rights and real estate for future infrastructure.

APPENDIX A

STATIC HGL = 1,030'

CITY TOWN PLANT

CITY HILL PLANT

STATIC HGL = 932'

MEDINA VALLEY PLANT

AIRPORT PLANT

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PROJECT NO.:	W0143-W015
DRAWN BY:	HAYDEN.DALLMEYER
CHECKED BY:	DARYL.SPILLMAN

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WATER & WASTEWATER MASTER PLAN

EXISTING WATER SYSTEM

PEAK HOUR FLOW (PHF) RESULTS

LEGEND

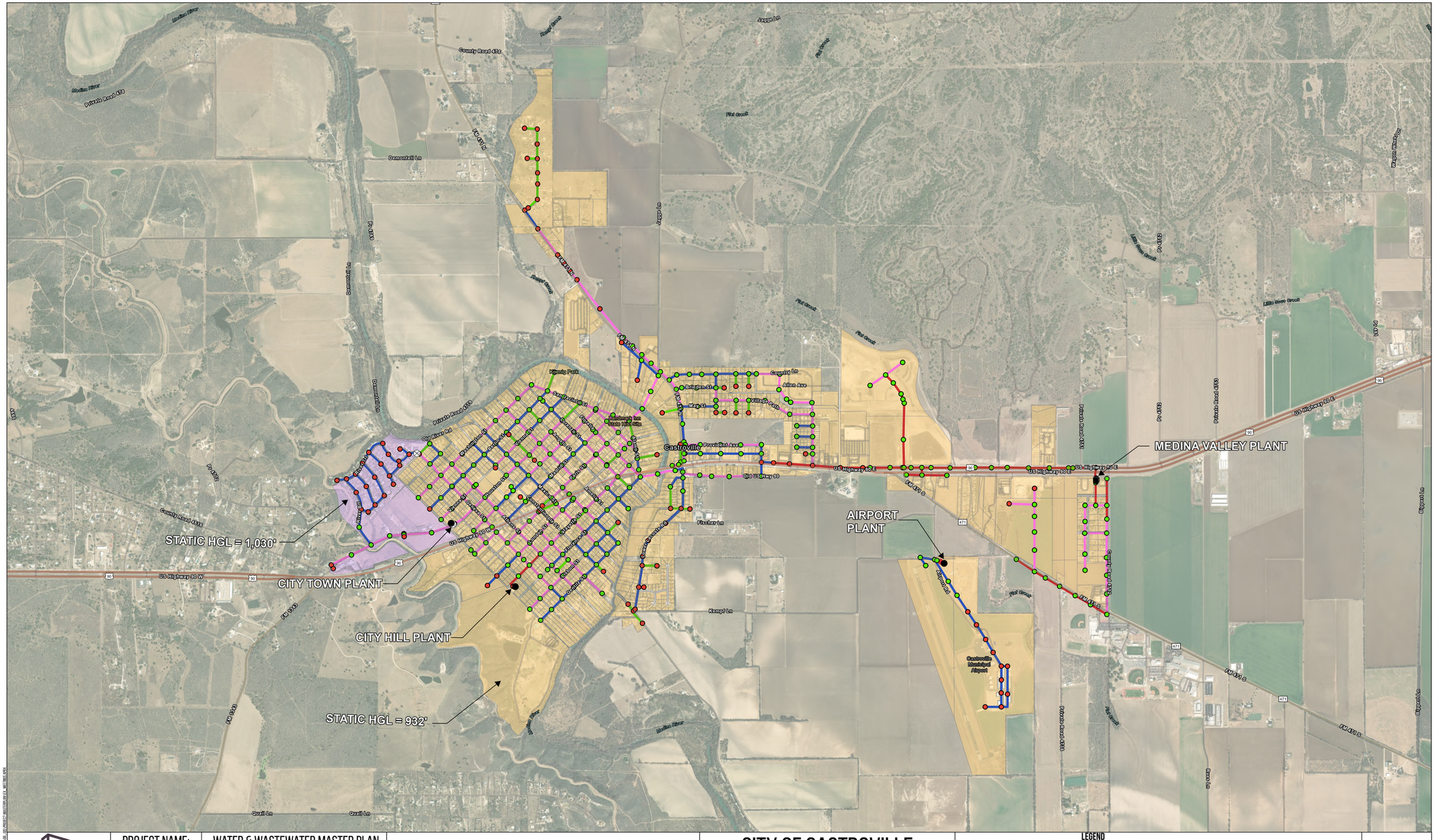
JUNCTION PRESSURE (PSI)
- 0-35 PSI
- 35-55 PSI
- 55-75 PSI
- GREATER THAN 75 PSI

PIPE VELOCITY (FPS)
- LESS THAN 2 FPS
- 2-5 FPS
- 5-8 FPS
- GREATER THAN 8 FPS

- EXISTING SYSTEM TANKS
- EXISTING SYSTEM ISOLATION VALVES

1 INCH = 1,000 FT

0 500 1,000 Feet



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PROJECT NO.:	W0143-W015
DRAWN BY:	HAYDEN.DALLMEYER
CHECKED BY:	DARYL.SPILLMAN

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WATER & WASTEWATER MASTER PLAN
EXISTING WATER SYSTEM
FIRE FLOW RESULTS

LEGEND

PIPE DIAMETER (IN)
- 4" AND SMALLER
- 6"
- 8"
- 10" AND GREATER

FIRE FLOW RESULTS
- FAILED FIRE FLOW
- PASSED FIRE FLOW

EXISTING SYSTEM TANKS

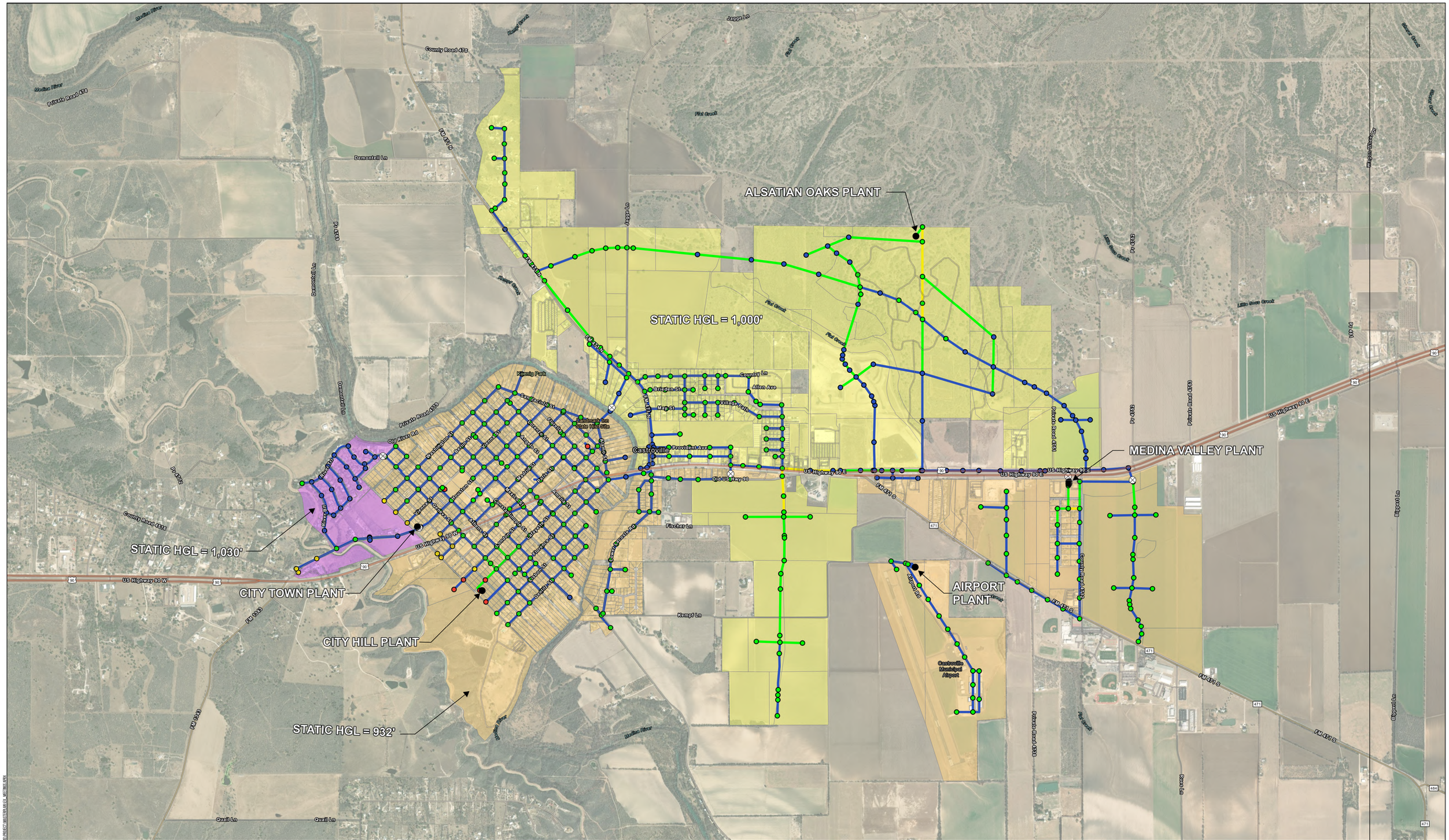
EXISTING SYSTEM ISOLATION VALVES

N

1 INCH = 1,000 FT

0 500 1,000 Feet

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WATER & WASTEWATER MASTER PLAN

PROPOSED WATER SYSTEM

PEAK HOUR FLOW (PHF) RESULTS

LEGEND

PIPE VELOCITY (FPS)
- LESS THAN 2 FPS
- 2-5 FPS
- 5-8 FPS
- GREATER THAN 8 FPS

JUNCTION PRESSURE (PSI)
- 0-35 PSI
- 35-55 PSI
- 55-75 PSI
- GREATER THAN 75 PSI

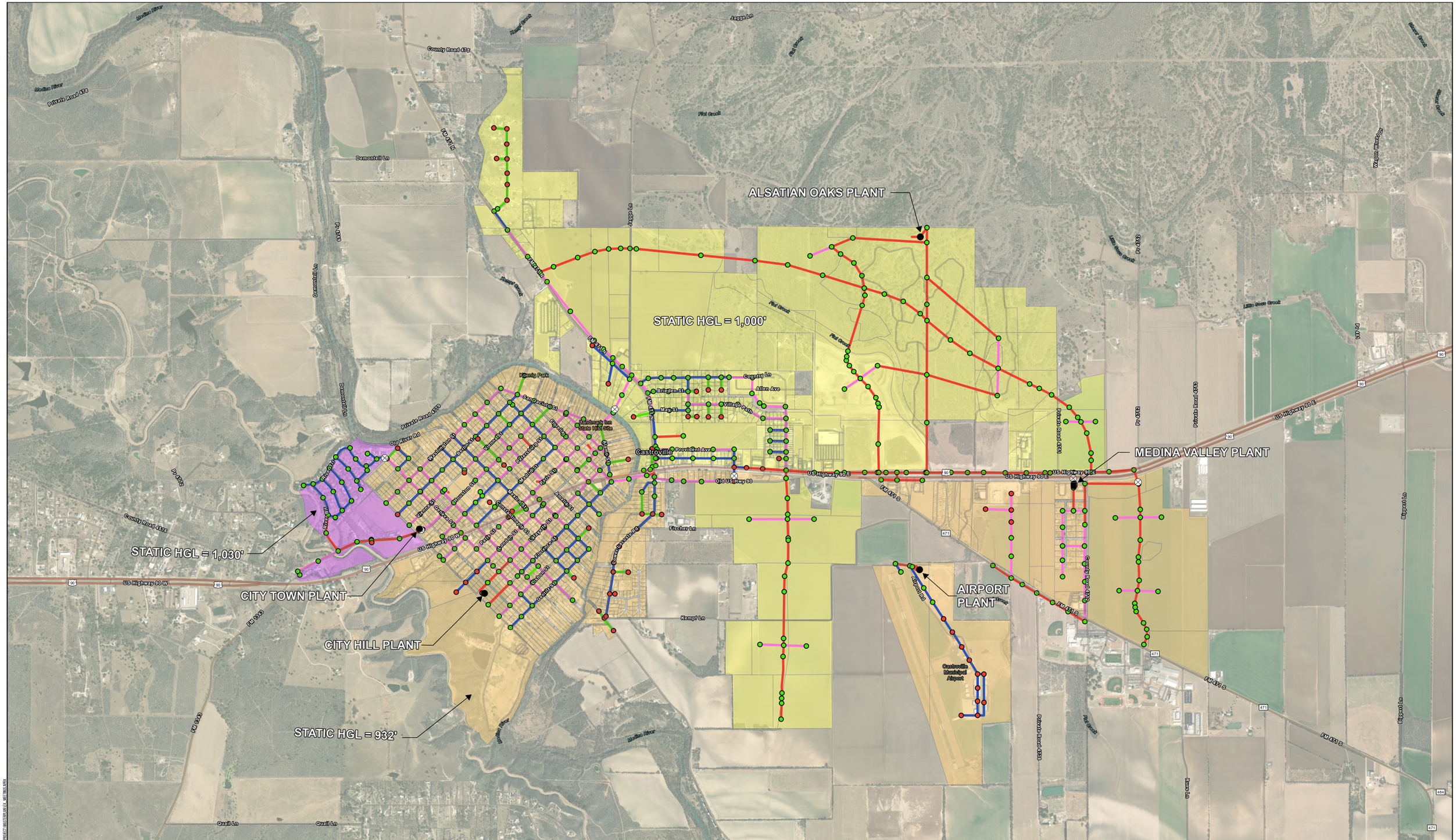
- PROPOSED SYSTEM TANKS
- PROPOSED SYSTEM NORMALLY CLOSED ISOLATION VALVES

N

1 INCH = 1,000 FT

0 500 1,000 Feet

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WATER & WASTEWATER MASTER PLAN

PROPOSED WATER SYSTEM

FIRE FLOW RESULTS

LEGEND

PIPE DIAMETER (IN)
- 4" AND SMALLER
- 6"
- 8"
- 10" AND GREATER

FIRE FLOW RESULTS
- FAILED FIRE FLOW
- PASSED FIRE FLOW

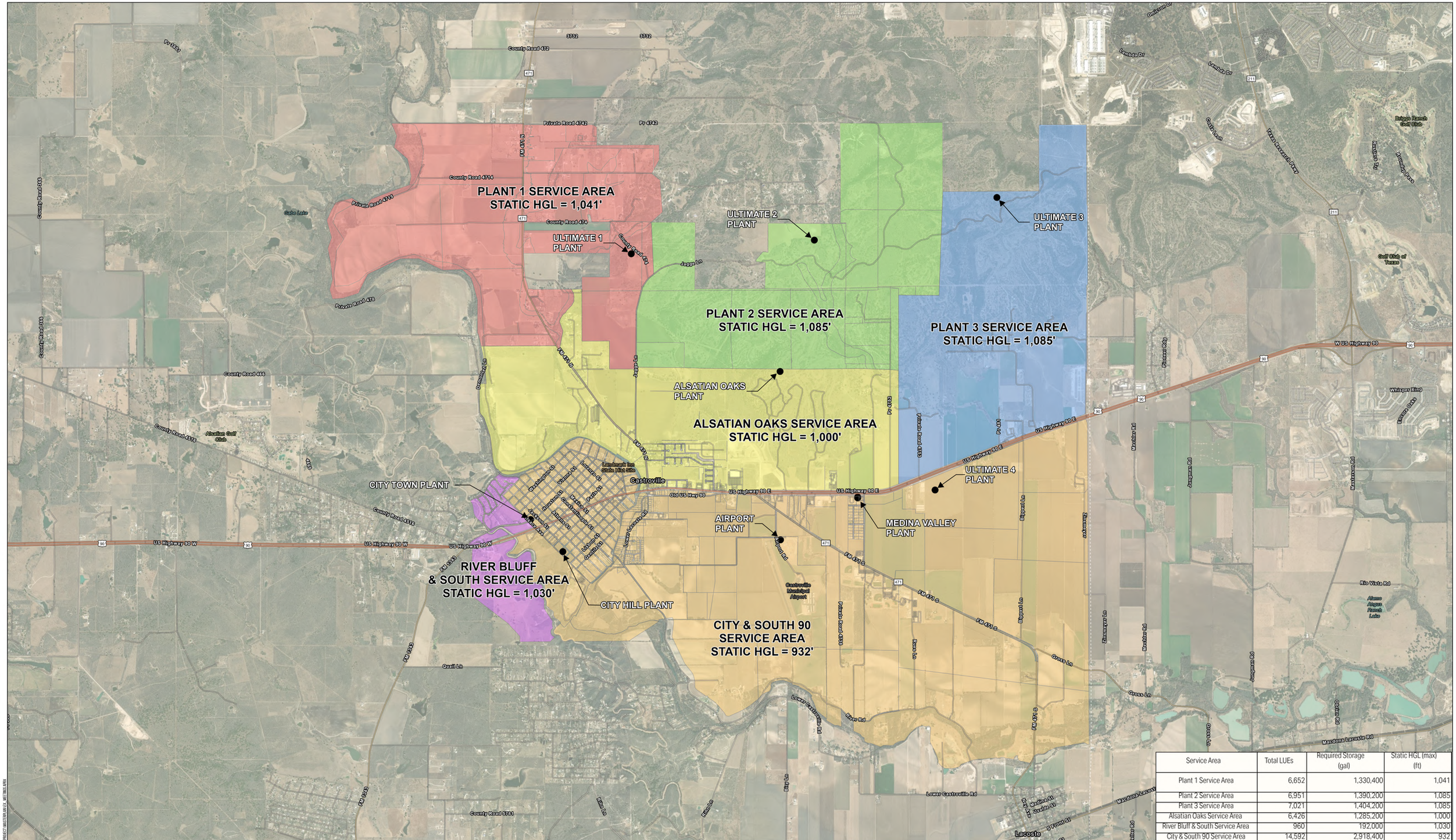
PROPOSED SYSTEM TANKS

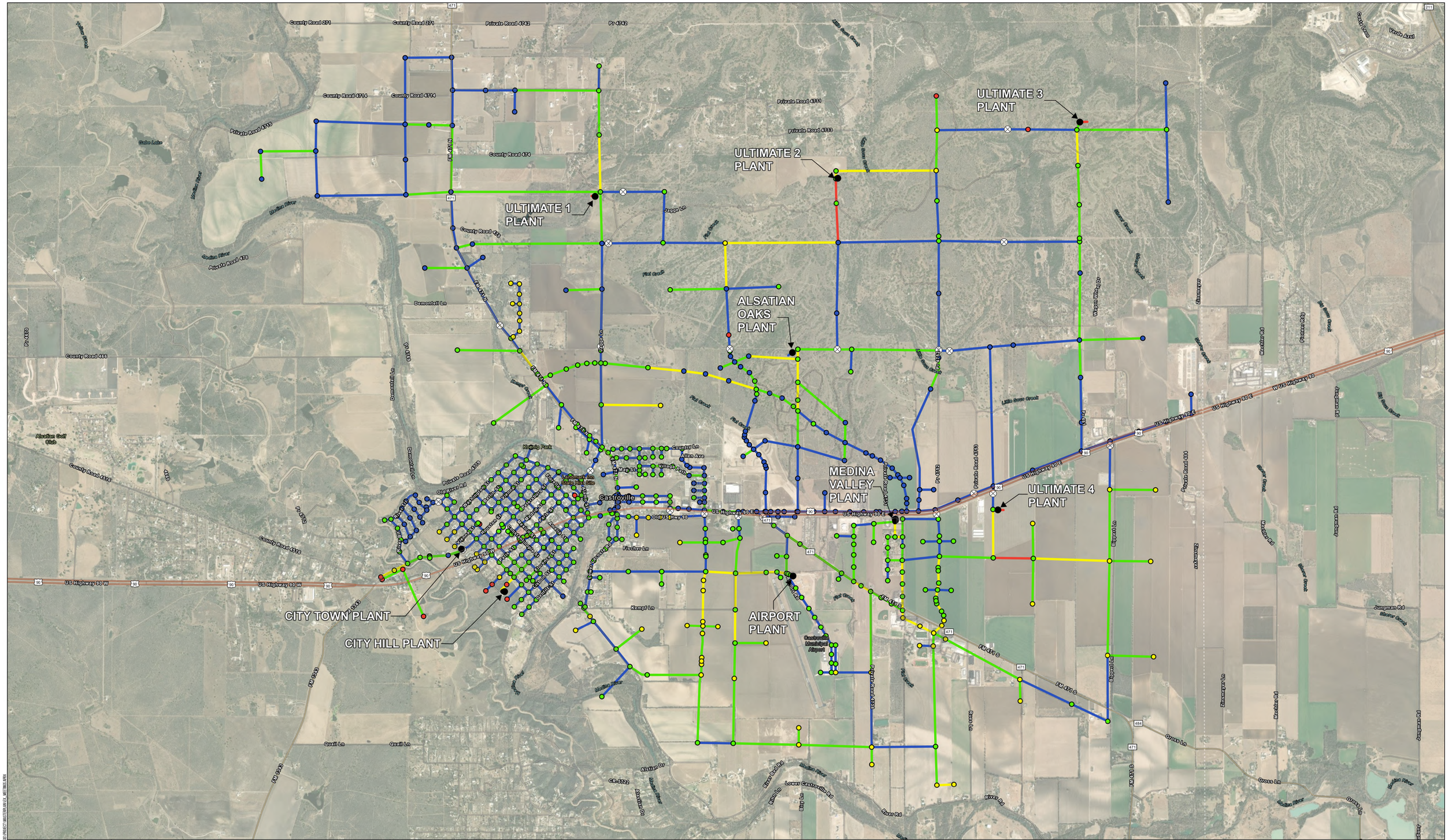
PROPOSED SYSTEM NORMALLY CLOSED ISOLATION VALVES

N

1 INCH = 1,000 FT

0 500 1,000 Feet


PLANT 1 SERVICE AREA
STATIC HGL = 1,041'
ULTIMATE 1
PLANT
ULTIMATE 2
PLANT
ULTIMATE 3
PLANT
PLANT 2 SERVICE AREA
STATIC HGL = 1,085'
PLANT 3 SERVICE AREA
STATIC HGL = 1,085'
ALSATIAN OAKS
PLANT
ALSATIAN OAKS SERVICE AREA
STATIC HGL = 1,000'
ULTIMATE 4
PLANT
CITY TOWN PLANT
AIRPORT
PLANT
MEDINA VALLEY
PLANT
RIVER BLUFF
& SOUTH SERVICE AREA
STATIC HGL = 1,030'
CITY HILL PLANT
CITY & SOUTH 90
SERVICE AREA
STATIC HGL = 932'
Castroville
Lacoste
Castroville Municipal Airport
Alsatian Golf Club
Golf Club of Texas
Briggs Ranch Golf Club
Whisper Xing
Rio Vista Rd
Alsace Alsatian French Lake
Landmark Inn State Hist Site
Old US Hwy 90
US Highway 90 E
US Highway 90 W
Lower Castroville Rd
Macdona Lacoste Rd
Private Road 4732
Private Road 4733
Private Road 478
County Road 4714
County Road 474
County Road 446
County Road 4716
County Road 4734
County Road 432
Lambda Dr
Texas Lavender Way
Jungman Rd
Medina Rd
Dippel Ln
Grass Ln
Juggs Ln
Quail Ln
Elm Ln
Bug Ln
Creek Lake
Cedar Oaks
Pioneer Loop
Whisper Xing
Rio Vista Rd
Alsace Alsatian French Lake
Macdona Lacoste Rd
Grass Ln
Lower Castroville Rd
River Rd
Quail Ln
Elm Ln
Bug Ln
Jungman Rd
Medina Rd
Dippel Ln
Grass Ln
Zuchowski Ln
Castroville Creek Park
Pr 4732
Pr 4733
Pr 4734
Pr 4736
Pr 4737
Pr 4738
Pr 4739
Pr 4740
Pr 4741
Pr 4742
Pr 4743
Pr 4744
Pr 4745
Pr 4746
Pr 4747
Pr 4748
Pr 4749
Pr 4750
Pr 4751
Pr 4752
Pr 4753
Pr 4754
Pr 4755
Pr



PROJECT NAME:	WATER & WASTEWATER MASTER PLAN
PROJECT NO.:	W0143-W015
DRAWN BY:	HAYDEN.DALLMEYER
CHECKED BY:	DARYL.SPILLMAN

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WATER & WASTEWATER MASTER PLAN

ULTIMATE WATER SYSTEM

PEAK HOUR FLOW (PHF) RESULTS

LEGEND

PIPE VELOCITY (FPS)
- LESS THAN 2 FPS
- 2-5 FPS
- 5-8 FPS
- GREATER THAN 8 FPS

JUNCTION PRESSURE (PSI)
- 0-35 PSI
- 35-55 PSI
- 55-75 PSI
- GREATER THAN 75 PSI

- ULTIMATE SYSTEM TANKS
- ULTIMATE SYSTEM NORMALLY CLOSED ISOLATION VALVES

N

1 INCH = 1,500 FT

0 750 1,500 Feet

X:\PROJECTS\W0143-CITY OF CASTROVILLE\TX\MPTS - MWWW MASTER PLAN\GIS_GDV\PROJECT\MASTERPLAN.MXD 10/1/2021 11:47:17 AM HAYDEN.DALLMEYER

EXISTING LAYOUT

N

1 INCH = 1,500 FT

0 750 1,500 Feet

DETAIL A

DETAIL B

DETAIL C

CITY TOWN PLANT

CITY HILL PLANT

MEDINA VALLEY PLANT

AIRPORT PLANT

PROJECT NAME:	WATER & WASTEWATER MASTER PLAN
PROJECT NO.:	W0143-W015
DRAWN BY:	HAYDEN.DALLMEYER
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WATER & WASTEWATER MASTER PLAN

EXISTING WATER SYSTEM

WATERCAD MODEL LAYOUT

LEGEND

PIPE DIAMETER (IN)
- 4" AND SMALLER
- 6"
- 8"
- 10" AND GREATER

EXISTING SYSTEM JUNCTIONS

EXISTING SYSTEM TANKS

NORMALLY CLOSED ISOLATION VALVES

VIEWPORTS

N:\PROJECTS\W0143-CITY OF CASTROVILLE TX\W015 - WWMP\MASTER\PLAN\FIG_GIS\PROJECT\MASTER PLAN FIG_MEETING.MXD

DETAIL A

1 INCH = 500 FT

0 250 500 Feet



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WATER & WASTEWATER MASTER PLAN

EXISTING WATER SYSTEM

WATERCAD MODEL DETAIL A (1/3)

LEGEND

PIPE DIAMETER (IN)
- 4" AND SMALLER
- 6"
- 8"
- 10" AND GREATER

EXISTING SYSTEM JUNCTIONS

EXISTING SYSTEM TANKS

NORMALLY CLOSED ISOLATION VALVES

X:\PROJECTS\W0143 CITY OF CASTROVILLE TX\W015 - WWMP\MASTER.AXW\M - GIS\PROJECT\MASTER.MXD\A_METRO5.MXD

DETAIL B

1 INCH = 500 FT

0 250 500 Feet

CITY TOWN PLANT

CITY HILL PLANT

PROJECT NAME:	WATER & WASTEWATER MASTER PLAN
PROJECT NO.:	W0143-W015
DRAWN BY:	HAYDEN.DALLMEYER
CHECKED BY:	DARYL.SPILLMAN

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CITY OF CASTROVILLE

WATER & WASTEWATER MASTER PLAN

EXISTING WATER SYSTEM

WATERCAD MODEL DETAILT B (2/3)

LEGEND

PIPE DIAMETER (IN)
- 4" AND SMALLER
- 6"
- 8"
- 10" AND GREATER

EXISTING SYSTEM JUNCTIONS

EXISTING SYSTEM TANKS

NORMALLY CLOSED ISOLATION VALVES

S:\PROJECTS\W0143-CITY OF CASTROVILLE\7-TX\MPTS - WWMM MASTER PLAN\05_GIS\PROJECT\MASTER PLAN.TX_ MXT\MXD.APRX

DETAIL C

1 INCH = 500 FT

0 250 500 Feet

MEDINA VALLEY PLANT

AIRPORT PLANT

US Highway 90 E

FM 471 S

Airport Rd

Patrols Road (430)

Flat Creek

Little Sam Creek

Zimmerley

Castroville Municipal Airport

Medina Valley High School

PROJECT NAME:	WATER & WASTEWATER MASTER PLAN
PROJECT NO.:	W0143-W015
DRAWN BY:	HAYDEN.DALLMEYER
CHECKED BY:	DARYL.SPILLMAN

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WATER & WASTEWATER MASTER PLAN

EXISTING WATER SYSTEM

WATERCAD MODEL DETAIL C (3/3)

LEGEND

PIPE DIAMETER (IN)
- 4" AND SMALLER
- 6"
- 8"
- 10" AND GREATER

EXISTING SYSTEM JUNCTIONS

EXISTING SYSTEM TANKS

NORMALLY CLOSED ISOLATION VALVES

RESPEC

EXISTING SYSTEM
ADF RESULTS

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-2	400	J-4	J-5	6.0	PVC	120.0	0.350	6.84	0.08
P-3	372	J-5	J-6	6.0	PVC	120.0	0.500	23.10	0.26
P-4	406	J-6	J-7	6.0	PVC	120.0	0.500	22.63	0.26
P-6	362	J-7	J-9	6.0	PVC	120.0	0.350	13.58	0.15
P-7	385	J-9	J-10	6.0	PVC	120.0	0.800	8.44	0.10
P-8	595	J-6	J-11	8.0	PVC	120.0	0.000	0.00	0.00
P-9	388	J-12	J-4	6.0	PVC	120.0	1.280	10.68	0.12
P-11	399	J-12	J-14	8.0	PVC	120.0	1.280	19.09	0.12
P-12	388	J-5	J-14	8.0	PVC	120.0	1.280	18.42	0.12
P-13	186	J-14	J-15	8.0	PVC	120.0	0.350	0.67	0.00
P-14	180	J-15	J-16	8.0	PVC	120.0	0.000	0.73	0.00
P-15	395	J-16	J-17	8.0	PVC	120.0	0.750	25.79	0.16
P-16	374	J-17	J-18	8.0	PVC	120.0	0.750	55.66	0.36
P-17	388	J-18	J-19	8.0	PVC	120.0	0.750	47.22	0.30
P-18	400	J-19	J-20	8.0	PVC	120.0	0.750	45.58	0.29
P-19	394	J-20	J-21	8.0	PVC	120.0	0.350	25.80	0.16
P-20	379	J-21	J-22	8.0	PVC	120.0	0.750	25.98	0.17
P-21	373	J-22	J-23	8.0	PVC	120.0	0.350	22.16	0.14
P-22	377	J-23	J-24	8.0	PVC	120.0	0.750	21.13	0.13
P-23	393	J-24	J-25	8.0	PVC	120.0	1.280	12.42	0.08
P-24	375	J-15	J-26	2.0	PVC	120.0	1.280	1.40	0.14
P-25	571	J-26	J-6	8.0	PVC	120.0	0.750	0.47	0.00
P-26	184	J-26	J-27	8.0	PVC	120.0	0.350	1.87	0.01
P-27	393	J-27	J-28	8.0	PVC	120.0	0.750	2.00	0.01
P-28	377	J-28	J-29	8.0	PVC	120.0	1.280	16.86	0.11
P-30	387	J-31	J-17	12.0	PVC	120.0	0.500	142.05	0.40
P-31	385	J-31	J-32	8.0	PVC	120.0	0.350	36.49	0.23
P-32	147	J-33	J-16	6.0	PVC	120.0	0.500	0.00	0.00
P-33	376	J-16	J-27	6.0	PVC	120.0	0.500	25.06	0.28
P-34	404	J-27	J-34	6.0	PVC	120.0	0.350	22.45	0.25
P-35	354	J-34	J-40	6.0	PVC	120.0	0.350	15.76	0.18
P-36	392	J-40	J-36	6.0	PVC	120.0	0.500	15.79	0.18
P-38	387	J-37	J-38	6.0	PVC	120.0	0.350	13.06	0.15
P-39	371	J-38	J-39	6.0	PVC	120.0	0.200	9.08	0.10
P-41	371	J-40	J-41	8.0	PVC	120.0	1.280	2.47	0.02
P-42	27	J-41	J-42	8.0	PVC	120.0	0.350	1.53	0.01
P-43	379	J-42	J-43	8.0	PVC	120.0	0.750	7.08	0.05
P-45	366	J-45	J-295	6.0	PVC	120.0	1.280	12.85	0.15
P-47	360	J-9	J-45	6.0	PVC	120.0	1.280	5.14	0.06
P-48	389	J-45	J-48	6.0	PVC	120.0	0.500	8.77	0.10
P-50	398	J-36	J-48	6.0	PVC	120.0	0.750	12.89	0.15
P-52	358	J-48	J-10	6.0	PVC	120.0	0.000	5.80	0.07
P-53	356	J-48	J-50	2.0	PVC	120.0	0.000	0.00	0.00
P-55	388	J-51	J-18	8.0	PVC	120.0	0.500	19.43	0.12
P-56	185	J-51	J-52	8.0	PVC	120.0	0.000	70.81	0.45
P-57	376	J-17	J-28	8.0	PVC	120.0	0.500	60.60	0.39
P-59	389	J-42	J-53	8.0	PVC	120.0	0.500	36.19	0.23
P-60	381	J-53	J-54	8.0	PVC	120.0	0.000	28.62	0.18
P-61	384	J-54	J-55	8.0	PVC	120.0	0.350	28.62	0.18
P-62	404	J-55	J-58	8.0	PVC	120.0	0.500	26.99	0.17
P-64	386	J-58	J-59	8.0	PVC	120.0	1.280	17.99	0.11
P-65	390	J-59	J-39	8.0	PVC	120.0	0.500	5.40	0.03
P-67	338	J-37	J-61	6.0	PVC	120.0	0.750	0.00	0.00
P-69	375	J-55	J-37	6.0	PVC	120.0	1.280	1.63	0.02
P-70	391	J-58	J-38	2.0	PVC	120.0	1.280	0.10	0.01
P-71	362	J-36	J-62	8.0	PVC	120.0	0.750	11.97	0.08
P-72	29	J-62	J-53	8.0	PVC	120.0	0.350	12.91	0.08
P-75	340	J-43	J-65	6.0	PVC	120.0	0.000	0.00	0.00
P-76	376	J-18	J-29	8.0	PVC	120.0	0.350	27.88	0.18
P-78	383	J-66	J-19	8.0	PVC	120.0	1.280	7.04	0.04
P-80	221	J-43	J-79	8.0	PVC	120.0	0.750	39.82	0.25
P-82	389	J-41	J-62	2.0	PVC	120.0	1.280	0.94	0.10
P-83	132	J-68	J-69	6.0	PVC	120.0	0.800	0.00	0.00
P-85	384	J-445	J-68	8.0	PVC	120.0	0.350	0.72	0.00
P-87	389	J-71	J-21	8.0	PVC	120.0	0.500	12.25	0.08
P-88	626	J-20	J-72	6.0	PVC	120.0	1.280	15.46	0.18
P-97	393	J-73	J-81	8.0	PVC	120.0	0.750	24.04	0.15
P-99	299	J-80	J-81	3.0	PVC	120.0	0.500	0.00	0.00
P-100	369	J-81	J-63	8.0	PVC	120.0	0.350	17.03	0.11
P-101	366	J-63	J-82	8.0	PVC	120.0	0.350	34.62	0.22
P-103	20	J-83	J-84	8.0	PVC	120.0	0.500	19.95	0.13
P-104	369	J-84	J-85	8.0	PVC	120.0	1.280	12.70	0.08
P-107	374	J-59	J-86	8.0	PVC	120.0	0.350	6.58	0.04
P-109	390	J-86	J-85	8.0	PVC	120.0	0.750	2.61	0.02
P-110	389	J-85	J-88	8.0	PVC	120.0	1.280	1.45	0.01
P-111	368	J-88	J-75	8.0	PVC	120.0	0.350	10.83	0.07
P-112	390	J-75	J-84	8.0	PVC	120.0	0.750	6.56	0.04
P-113	214	J-86	J-89	8.0	PVC	120.0	0.350	9.89	0.06
P-114	166	J-89	J-90	8.0	PVC	120.0	1.280	(N/A)	(N/A)
P-115	178	J-89	J-92	8.0	PVC	120.0	0.500	9.89	0.06
P-116	157	J-92	J-93	8.0	PVC	120.0	0.500	2.60	0.02
P-117	284	J-94	J-95	6.0	PVC	120.0	0.000	0.00	0.00
P-118	491	J-95	J-96	2.0	PVC	120.0	1.280	0.00	0.00
P-119	220	J-95	J-97	6.0	PVC	120.0	0.350	1.92	0.02
P-120	282	J-97	J-93	2.0	PVC	120.0	0.300	0.02	0.00
P-121	432	J-93	J-98	2.0	PVC	120.0	0.300	0.70	0.07

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-122	209	J-97	J-92	8.0	PVC	120.0	0.500	1.95	0.01
P-125	387	J-99	J-100	8.0	PVC	120.0	0.000	0.81	0.01
P-126	34	J-100	J-101	8.0	PVC	120.0	1.280	4.40	0.03
P-127	371	J-102	J-103	8.0	PVC	120.0	0.350	15.29	0.10
P-128	377	J-103	J-100	8.0	PVC	120.0	0.800	5.21	0.03
P-129	291	J-103	J-104	8.0	PVC	120.0	1.280	0.00	0.00
P-130	384	J-88	J-99	8.0	PVC	120.0	0.500	12.27	0.08
P-131	213	J-99	J-105	8.0	PVC	120.0	0.500	15.55	0.10
P-132	421	J-105	J-98	8.0	PVC	120.0	0.300	23.43	0.15
P-134	107	J-106	J-107	8.0	PVC	120.0	0.500	16.45	0.10
P-137	420	J-110	J-111	8.0	PVC	120.0	0.300	4.76	0.03
P-138	420	J-111	J-112	8.0	PVC	120.0	0.300	9.14	0.06
P-139	417	J-112	J-101	8.0	PVC	120.0	0.000	6.12	0.04
P-141	444	J-101	J-105	8.0	PVC	120.0	0.350	10.51	0.07
P-143	606	J-114	J-112	2.0	PVC	120.0	0.500	0.34	0.03
P-144	400	J-114	J-102	6.0	PVC	120.0	0.750	3.22	0.04
P-145	380	J-102	J-75	6.0	PVC	120.0	0.750	1.70	0.02
P-146	379	J-114	J-115	6.0	PVC	120.0	0.750	3.68	0.04
P-147	292	J-115	J-116	6.0	PVC	120.0	0.750	2.96	0.03
P-148	89	J-116	J-117	6.0	PVC	120.0	1.280	2.96	0.03
P-149	429	J-111	J-115	6.0	PVC	120.0	0.500	4.38	0.05
P-150	387	J-115	J-118	6.0	PVC	120.0	0.500	3.66	0.04
P-151	406	J-118	J-119	6.0	PVC	120.0	0.350	3.93	0.04
P-152	372	J-118	J-120	2.0	PVC	120.0	1.280	0.28	0.03
P-154	9	J-122	J-123	6.0	PVC	120.0	0.750	13.62	0.15
P-155	381	J-122	J-24	6.0	PVC	120.0	0.500	4.58	0.05
P-157	385	J-124	J-125	6.0	PVC	120.0	0.500	4.01	0.05
P-158	383	J-125	J-126	6.0	PVC	120.0	0.350	3.60	0.04
P-159	374	J-126	J-127	6.0	PVC	120.0	0.500	3.40	0.04
P-160	406	J-127	J-120	6.0	PVC	120.0	0.350	5.82	0.07
P-161	383	J-120	J-117	6.0	PVC	120.0	0.350	0.15	0.00
P-162	261	J-117	J-110	6.0	PVC	120.0	0.500	2.82	0.03
P-163	392	J-109	J-127	8.0	PVC	120.0	1.280	2.56	0.02
P-164	372	J-127	J-119	8.0	PVC	120.0	0.750	4.98	0.03
P-166	402	J-443	J-74	8.0	PVC	120.0	0.750	14.18	0.09
P-167	397	J-74	J-82	8.0	PVC	120.0	1.280	15.17	0.10
P-170	383	J-25	J-130	8.0	PVC	120.0	0.350	6.66	0.04
P-171	415	J-130	J-131	8.0	PVC	120.0	0.750	1.44	0.01
P-172	363	J-131	J-132	8.0	PVC	120.0	0.350	0.00	0.00
P-173(1)	62	J-132	PRV-12	6.0	PVC	120.0	0.200	(N/A)	(N/A)
P-173(2)	201	PRV-12	J-133	6.0	PVC	120.0	0.200	(N/A)	(N/A)
P-174	263	J-133	J-134	6.0	PVC	120.0	1.280	0.00	0.00
P-175	310	J-133	J-135	6.0	PVC	120.0	0.350	3.84	0.04
P-177	306	J-136	J-137	6.0	PVC	120.0	0.350	11.52	0.13
P-178	322	J-137	J-138	6.0	PVC	120.0	0.350	9.85	0.11
P-179	254	J-138	J-139	6.0	PVC	120.0	0.350	8.41	0.10
P-181	235	J-139	J-141	6.0	PVC	120.0	0.350	1.92	0.02
P-182	22	J-142	J-143	2.0	PVC	120.0	0.750	0.00	0.00
P-183	49	J-143	J-144	2.0	PVC	120.0	0.000	0.00	0.00
P-185	228	J-145	J-146	6.0	PVC	120.0	0.000	0.00	0.00
P-195	384	J-151	J-22	8.0	PVC	120.0	1.280	5.06	0.03
P-196	377	J-130	J-123	8.0	PVC	120.0	0.000	13.62	0.09
P-198	359	J-132	J-153	2.0	PVC	120.0	1.280	0.00	0.00
P-199	359	J-131	J-154	6.0	PVC	120.0	1.280	1.44	0.02
P-201	383	J-156	J-23	8.0	PVC	120.0	0.500	1.03	0.01
P-203	391	J-151	J-71	8.0	PVC	120.0	0.750	28.24	0.18
P-204	256	J-71	J-158	8.0	PVC	120.0	0.000	27.37	0.17
P-205	378	J-122	J-156	8.0	PVC	120.0	0.750	18.20	0.12
P-206	361	J-156	J-151	8.0	PVC	120.0	0.750	23.17	0.15
P-207	380	J-124	J-159	6.0	PVC	120.0	0.750	4.01	0.05
P-210	379	J-162	J-159	8.0	PVC	120.0	0.500	4.01	0.03
P-211	65	J-159	J-163	0.8	PVC	120.0	0.750	0.00	0.00
P-212	378	J-125	J-162	6.0	PVC	120.0	0.750	1.86	0.02
P-213	359	J-162	J-165	6.0	PVC	120.0	0.750	1.89	0.02
P-215	388	J-165	J-166	6.0	PVC	120.0	0.750	11.10	0.13
P-216	401	J-166	J-73	6.0	PVC	120.0	0.750	13.41	0.15
P-217	528	J-166	J-167	6.0	PVC	120.0	0.500	12.07	0.14
P-218	225	J-167	J-168	6.0	PVC	120.0	0.350	12.07	0.14
P-219	112	J-167	J-169	6.0	PVC	120.0	1.280	0.00	0.00
P-220	378	J-165	J-170	8.0	PVC	120.0	0.500	0.00	0.00
P-221	376	J-165	J-171	8.0	PVC	120.0	0.500	6.09	0.04
P-222	75	J-126	J-172	2.0	PVC	120.0	1.280	0.20	0.02
P-223	299	J-172	J-160	3.0	PVC	120.0	0.750	0.20	0.01
P-224	410	J-160	J-171	3.0	PVC	120.0	0.750	0.45	0.02
P-225	181	J-171	J-173	3.0	PVC	120.0	0.000	0.00	0.00
P-226	398	J-166	J-174	8.0	PVC	120.0	0.000	14.38	0.09
P-227	350	J-174	J-443	8.0	PVC	120.0	0.500	14.38	0.09
P-228	370	J-160	J-119	8.0	PVC	120.0	0.500	2.42	0.02
P-229	488	J-110	J-175	2.0	PVC	120.0	0.000	0.00	0.00
P-230	210	J-176	J-177	2.0	PVC	120.0	0.500	2.40	0.25
P-231	386	J-177	J-178	2.0	PVC	120.0	0.300	0.00	0.00
P-232	78	J-177	J-179	2.0	PVC	120.0	0.800	2.40	0.25
P-233	361	J-180	J-181	2.0	PVC	120.0	1.280	1.20	0.12
P-235	220	J-183	J-184	2.0	PVC	120.0	0.750	0.00	0.00
P-239	420	J-185	J-182	6.0	PVC	120.0	1.280	4.72	0.05
P-240	280	J-60	J-186	6.0	PVC	120.0	0.800	14.49	0.16

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-241	143	J-186	J-185	6.0	PVC	120.0	0.350	23.28	0.26
P-243	297	J-187	J-188	6.0	PVC	120.0	1.280	32.20	0.37
P-244	215	J-187	J-189	6.0	PVC	120.0	0.350	18.37	0.21
P-245	218	J-189	J-190	6.0	PVC	120.0	0.350	12.21	0.14
P-248	23	J-192	J-193	6.0	PVC	120.0	1.280	3.83	0.04
P-250	47	J-194	J-196	6.0	PVC	120.0	0.350	11.41	0.13
P-252	84	J-197	J-198	6.0	PVC	120.0	0.500	6.69	0.08
P-253	126	J-197	J-199	6.0	PVC	120.0	0.500	5.44	0.06
P-254	160	J-199	J-192	6.0	PVC	120.0	1.280	2.33	0.03
P-255	434	J-200	J-201	2.0	PVC	120.0	0.500	0.00	0.00
P-258	166	J-193	J-199	8.0	PVC	120.0	0.350	3.34	0.02
P-259	68	J-199	J-198	8.0	PVC	120.0	0.750	0.24	0.00
P-262	150	J-203	J-204	6.0	PVC	120.0	0.000	0.89	0.01
P-264	437	J-194	J-206	8.0	PVC	120.0	0.350	7.74	0.05
P-265	287	J-206	J-207	8.0	PVC	120.0	0.350	5.78	0.04
P-266	294	J-207	J-107	8.0	PVC	120.0	0.350	4.19	0.03
P-268	558	J-106	J-209	6.0	PVC	120.0	1.280	1.92	0.02
P-269	498	J-209	J-210	6.0	PVC	120.0	0.500	0.00	0.00
P-270	651	J-209	J-211	6.0	PVC	120.0	0.000	0.00	0.00
P-272	331	J-212	J-213	6.0	PVC	120.0	1.280	0.89	0.01
P-274	487	J-212	J-214	6.0	PVC	120.0	0.350	0.41	0.00
P-275	313	J-214	J-215	6.0	PVC	120.0	0.350	5.21	0.06
P-276	187	J-215	J-216	6.0	PVC	120.0	0.000	6.65	0.08
P-277	202	J-213	J-217	4.0	PVC	120.0	0.750	0.72	0.02
P-278	305	J-214	J-218	4.0	PVC	120.0	1.280	1.68	0.04
P-279	305	J-215	J-219	4.0	PVC	120.0	1.280	1.44	0.04
P-280	307	J-213	J-204	8.0	PVC	120.0	0.350	4.45	0.03
P-282	492	J-204	J-221	8.0	PVC	120.0	1.280	5.34	0.03
P-283	308	J-221	J-222	8.0	PVC	120.0	0.350	10.14	0.06
P-285	261	J-223	J-224	8.0	PVC	120.0	0.350	41.99	0.27
P-286	261	J-224	J-225	8.0	PVC	120.0	0.350	44.87	0.29
P-287	158	J-225	J-226	8.0	PVC	120.0	0.350	47.51	0.30
P-288	287	J-226	J-227	8.0	PVC	120.0	1.280	47.51	0.30
P-289	304	J-221	J-228	4.0	PVC	120.0	1.280	1.44	0.04
P-290	304	J-222	J-229	4.0	PVC	120.0	1.280	1.44	0.04
P-291	386	J-223	J-230	6.0	PVC	120.0	1.280	2.64	0.03
P-292	387	J-224	J-231	6.0	PVC	120.0	1.280	2.88	0.03
P-293	385	J-225	J-232	6.0	PVC	120.0	1.280	2.64	0.03
P-294	171	J-226	J-233	2.0	PVC	120.0	1.280	0.00	0.00
P-295	565	J-234	J-227	12.0	PVC	120.0	0.350	34.12	0.10
P-301	395	J-238	J-239	8.0	PVC	120.0	0.000	0.00	0.00
P-302	619	J-239	J-240	8.0	PVC	120.0	1.280	0.00	0.00
P-304	308	J-241	J-242	10.0	PVC	120.0	0.300	1.44	0.01
P-312	554	J-250	J-251	10.0	PVC	120.0	1.280	11.04	0.05
P-313	653	J-252	J-253	10.0	PVC	120.0	0.000	0.00	0.00
P-314	333	J-253	J-254	10.0	PVC	120.0	0.350	5.85	0.02
P-315	275	J-253	J-251	8.0	PVC	120.0	1.280	5.85	0.04
P-317	541	J-255	J-256	8.0	PVC	120.0	1.280	0.09	0.00
P-318	342	J-256	J-254	8.0	PVC	120.0	0.350	3.45	0.02
P-321	238	J-258	J-259	6.0	PVC	120.0	0.800	0.00	0.00
P-322	351	J-258	J-260	6.0	PVC	120.0	0.000	0.00	0.00
P-325	394	J-262	J-263	6.0	PVC	120.0	0.350	0.48	0.01
P-327	337	J-264	J-261	6.0	PVC	120.0	0.000	0.19	0.00
P-329	461	J-265	J-262	6.0	PVC	120.0	0.800	0.29	0.00
P-331	238	J-7	J-266	1.5	PVC	120.0	0.000	0.00	0.00
P-332	462	J-196	J-267	3.0	PVC	120.0	1.280	0.72	0.03
P-333	390	J-40	J-45	8.0	PVC	120.0	1.280	5.62	0.04
P-334	169	J-72	J-268	3.0	PVC	120.0	1.280	0.00	0.00
P-336	436	J-269	J-136	6.0	PVC	120.0	0.800	4.74	0.05
P-338	319	J-270	J-147	6.0	PVC	120.0	0.800	7.91	0.09
P-339	458	J-137	J-271	6.0	PVC	120.0	1.280	1.67	0.02
P-340	512	J-271	J-270	6.0	PVC	120.0	0.000	7.91	0.09
P-341	502	J-147	J-272	6.0	PVC	120.0	1.280	6.49	0.07
P-342	403	J-272	J-138	6.0	PVC	120.0	1.280	1.45	0.02
P-343	414	J-139	J-273	6.0	PVC	120.0	1.280	10.33	0.12
P-344	439	J-273	J-148	6.0	PVC	120.0	0.350	10.33	0.12
P-346	101	J-274	J-150	8.0	PVC	120.0	0.000	0.00	0.00
P-347	539	J-149	J-276	8.0	PVC	120.0	0.350	3.36	0.02
P-348	549	J-276	J-274	8.0	PVC	120.0	0.800	3.36	0.02
P-349	504	J-149	J-277	8.0	PVC	120.0	0.200	31.68	0.20
P-350	349	J-277	J-143	8.0	PVC	120.0	0.000	31.68	0.20
P-351	438	J-148	J-278	6.0	PVC	120.0	0.200	24.72	0.28
P-352	523	J-278	J-149	6.0	PVC	120.0	1.280	28.32	0.32
P-353	183	J-148	J-279	6.0	PVC	120.0	1.280	14.39	0.16
P-354	240	J-279	J-147	6.0	PVC	120.0	0.350	14.39	0.16
P-355	356	J-145	J-280	6.0	PVC	120.0	0.350	1.02	0.01
P-356	416	J-280	J-136	6.0	PVC	120.0	1.280	6.78	0.08
P-357	334	J-135	J-281	6.0	PVC	120.0	0.800	2.82	0.03
P-358	312	J-281	J-269	6.0	PVC	120.0	0.000	4.74	0.05
P-359	676	J-143	J-282	8.0	PVC	120.0	0.500	31.68	0.20
P-361	528	J-282	J-387	8.0	PVC	120.0	0.000	33.36	0.21
P-362	604	J-283	J-151	8.0	PVC	120.0	0.500	0.00	0.00
P-363	371	J-155	J-284	8.0	PVC	120.0	0.000	0.00	0.00
P-364	384	J-284	J-156	8.0	PVC	120.0	0.500	6.00	0.04
P-365	384	J-121	J-285	6.0	PVC	120.0	0.000	0.00	0.00
P-366	389	J-285	J-122	6.0	PVC	120.0	0.500	0.00	0.00

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-367	384	J-152	J-286	8.0	PVC	120.0	0.000	0.00	0.00
P-368	390	J-286	J-130	8.0	PVC	120.0	0.500	5.52	0.04
P-369	362	J-129	J-287	8.0	PVC	120.0	0.350	16.45	0.10
P-370	358	J-287	J-25	8.0	PVC	120.0	0.350	16.45	0.10
P-371	361	J-24	J-288	6.0	PVC	120.0	0.500	9.45	0.11
P-372	367	J-288	J-124	6.0	PVC	120.0	0.500	9.45	0.11
P-373	418	J-445	J-289	8.0	PVC	120.0	1.280	16.24	0.10
P-374	381	J-289	J-71	8.0	PVC	120.0	0.500	13.12	0.08
P-375	379	J-66	J-290	8.0	PVC	120.0	0.350	44.33	0.28
P-376	363	J-290	J-445	8.0	PVC	120.0	1.280	16.96	0.11
P-380	377	J-421	J-31	12.0	PVC	120.0	0.500	253.67	0.72
P-381	365	J-13	J-293	8.0	PVC	120.0	0.000	0.00	0.00
P-382	375	J-293	J-12	8.0	PVC	120.0	0.500	0.00	0.00
P-383	374	J-3	J-294	6.0	PVC	120.0	0.000	0.00	0.00
P-384	369	J-294	J-4	6.0	PVC	120.0	0.350	3.84	0.04
P-386	358	J-295	J-7	6.0	PVC	120.0	0.750	6.16	0.07
P-387	399	J-34	J-295	6.0	PVC	120.0	0.500	6.69	0.08
P-389	380	J-28	J-297	8.0	PVC	120.0	0.000	41.74	0.27
P-390	381	J-297	J-42	8.0	PVC	120.0	0.500	41.74	0.27
P-391	375	J-29	J-298	8.0	PVC	120.0	0.000	39.95	0.25
P-392	386	J-298	J-43	8.0	PVC	120.0	0.500	39.95	0.25
P-395	428	J-39	J-300	8.0	PVC	120.0	0.300	14.49	0.09
P-396	440	J-300	J-60	8.0	PVC	120.0	0.000	14.49	0.09
P-397	435	J-183	J-301	6.0	PVC	120.0	0.200	14.97	0.17
P-398	322	J-301	J-185	6.0	PVC	120.0	0.000	18.57	0.21
P-400	522	J-302	J-183	6.0	PVC	120.0	0.500	15.84	0.18
P-401	221	J-180	J-501	6.0	PVC	120.0	0.350	13.20	0.15
P-402	599	J-303	J-302	6.0	PVC	120.0	0.100	15.84	0.18
P-403	547	J-179	J-304	6.0	PVC	120.0	0.800	2.40	0.03
P-404	534	J-304	J-180	6.0	PVC	120.0	0.350	12.00	0.14
P-405	434	J-186	J-305	8.0	PVC	120.0	1.280	10.47	0.07
P-407	291	J-305	J-306	8.0	PVC	120.0	0.000	10.47	0.07
P-409	429	J-306	J-307	8.0	PVC	120.0	0.000	10.47	0.07
P-411	424	J-307	J-308	8.0	PVC	120.0	0.000	13.83	0.09
P-413	358	J-308	J-309	8.0	PVC	120.0	0.800	13.83	0.09
P-414	346	J-309	J-187	6.0	PVC	120.0	0.000	13.83	0.16
P-415	498	J-189	J-310	6.0	PVC	120.0	1.280	6.15	0.07
P-416	494	J-310	J-191	6.0	PVC	120.0	0.000	6.15	0.07
P-417	495	J-191	J-311	6.0	PVC	120.0	0.000	6.15	0.07
P-418	379	J-311	J-192	6.0	PVC	120.0	0.350	6.15	0.07
P-419	365	J-198	J-312	8.0	PVC	120.0	1.280	6.45	0.04
P-421	495	J-312	J-313	8.0	PVC	120.0	0.000	6.45	0.04
P-423	491	J-313	J-314	8.0	PVC	120.0	0.000	12.21	0.08
P-424	507	J-314	J-190	8.0	PVC	120.0	0.800	12.21	0.08
P-425	96	J-200	J-315	8.0	PVC	120.0	0.200	0.48	0.00
P-426	182	J-315	J-193	8.0	PVC	120.0	0.800	0.48	0.00
P-427	156	J-202	J-317	8.0	PVC	120.0	0.200	0.00	0.00
P-428	84	J-317	J-200	8.0	PVC	120.0	0.300	0.00	0.00
P-429	379	J-196	J-318	6.0	PVC	120.0	0.000	12.13	0.14
P-430	439	J-318	J-197	6.0	PVC	120.0	0.300	12.13	0.14
P-431	418	J-194	J-319	6.0	PVC	120.0	1.280	3.67	0.04
P-432	448	J-319	J-203	6.0	PVC	120.0	1.280	1.27	0.01
P-433	147	J-203	J-322	4.0	PVC	120.0	0.800	2.16	0.06
P-434	209	J-322	J-205	4.0	PVC	120.0	0.000	0.00	0.00
P-435	397	J-222	J-323	8.0	PVC	120.0	0.200	11.58	0.07
P-437	693	J-323	J-324	8.0	PVC	120.0	0.200	14.94	0.10
P-439	555	J-324	J-325	8.0	PVC	120.0	0.800	18.06	0.12
P-440	283	J-325	J-223	8.0	PVC	120.0	0.350	39.35	0.25
P-441	679	J-227	J-326	12.0	PVC	120.0	0.000	88.11	0.25
P-443	549	J-326	J-327	12.0	PVC	120.0	0.000	89.07	0.25
P-444	176	J-327	J-651	12.0	PVC	120.0	0.000	92.43	0.26
P-445	307	J-236	J-652	16.0	PVC	120.0	0.000	92.43	0.15
P-447(1)	262	J-328	J-1487	16.0	PVC	120.0	0.350	233.07	0.37
P-447(2)	227	J-1487	J-329	16.0	PVC	120.0	0.000	236.19	0.38
P-449	466	J-329	J-330	16.0	PVC	120.0	0.000	236.19	0.38
P-451	609	J-330	J-331	16.0	PVC	120.0	0.000	236.19	0.38
P-453	397	J-331	J-332	16.0	PVC	120.0	0.000	236.19	0.38
P-454	387	J-332	J-237	16.0	PVC	120.0	0.000	236.19	0.38
P-457	519	J-237	J-334	16.0	PVC	120.0	0.000	236.19	0.38
P-458	509	J-334	J-333	16.0	PVC	120.0	0.000	236.19	0.38
P-459	466	J-333	J-870	16.0	PVC	120.0	0.000	236.43	0.38
P-460	568	J-335	J-235	16.0	PVC	120.0	0.800	236.43	0.38
P-463	287	J-239	J-337	8.0	PVC	120.0	0.350	1.44	0.01
P-464	381	J-337	J-336	8.0	PVC	120.0	0.000	1.44	0.01
P-465	442	J-336	J-338	8.0	PVC	120.0	0.000	1.44	0.01
P-466	522	J-338	J-241	8.0	PVC	120.0	0.500	1.44	0.01
P-467	509	J-255	J-339	8.0	PVC	120.0	0.000	0.00	0.00
P-468	395	J-339	J-257	8.0	PVC	120.0	0.000	0.00	0.00
P-469	262	J-251	J-340	8.0	PVC	120.0	0.350	5.19	0.03
P-471	394	J-340	J-341	8.0	PVC	120.0	0.800	5.19	0.03
P-472	284	J-341	J-255	8.0	PVC	120.0	0.350	0.09	0.00
P-475	597	J-256	J-343	8.0	PVC	120.0	0.000	3.36	0.02
P-476	431	J-343	J-342	8.0	PVC	120.0	0.000	3.36	0.02
P-477	452	J-342	J-344	8.0	PVC	120.0	0.000	3.36	0.02
P-478	502	J-344	J-243	8.0	PVC	120.0	0.800	3.36	0.02
P-481	433	J-345	J-346	10.0	PVC	120.0	0.000	2.16	0.01

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-482	470	J-346	J-243	10.0	PVC	120.0	0.000	3.36	0.01
P-483	403	J-242	J-347	10.0	PVC	120.0	0.000	1.44	0.01
P-484	443	J-347	J-345	10.0	PVC	120.0	0.000	2.16	0.01
P-487	341	J-262	J-349	6.0	PVC	120.0	0.500	0.19	0.00
P-488	316	J-349	J-264	6.0	PVC	120.0	0.000	0.19	0.00
P-489	154	J-261	J-350	6.0	PVC	120.0	1.280	0.29	0.00
P-490	682	J-350	J-265	6.0	PVC	120.0	0.800	0.29	0.00
P-495	627	J-260	J-353	6.0	PVC	120.0	0.200	0.48	0.01
P-497	403	J-353	J-354	6.0	PVC	120.0	0.000	0.48	0.01
P-498	479	J-354	J-351	6.0	PVC	120.0	0.000	0.48	0.01
P-499	386	J-351	J-355	6.0	PVC	120.0	0.000	0.48	0.01
P-500	422	J-355	J-352	6.0	PVC	120.0	0.000	0.48	0.01
P-501	365	J-352	J-356	6.0	PVC	120.0	0.000	0.48	0.01
P-502	390	J-356	J-261	6.0	PVC	120.0	0.350	0.48	0.01
P-503	404	J-109	J-357	8.0	PVC	120.0	0.000	8.90	0.06
P-505	471	J-357	J-358	8.0	PVC	120.0	0.200	6.02	0.04
P-506	424	J-358	J-110	8.0	PVC	120.0	0.750	6.02	0.04
P-507	436	J-98	J-359	8.0	PVC	120.0	0.500	24.13	0.15
P-509	472	J-359	J-360	8.0	PVC	120.0	0.100	24.13	0.15
P-510	426	J-360	J-106	8.0	PVC	120.0	0.350	24.13	0.15
P-513	310	J-361	J-362	8.0	PVC	120.0	0.000	19.68	0.13
P-514	302	J-362	J-208	8.0	PVC	120.0	0.000	19.68	0.13
P-515	308	J-107	J-363	8.0	PVC	120.0	0.000	20.64	0.13
P-516	308	J-363	J-361	8.0	PVC	120.0	0.000	20.64	0.13
P-517	384	J-82	J-364	8.0	PVC	120.0	0.000	19.45	0.12
P-518	386	J-364	J-83	8.0	PVC	120.0	0.350	19.45	0.12
P-519	369	J-84	J-365	3.0	PVC	120.0	0.800	0.70	0.03
P-520	371	J-365	J-86	3.0	PVC	120.0	0.500	0.70	0.03
P-521	378	J-83	J-366	8.0	PVC	120.0	1.280	8.90	0.06
P-522	385	J-366	J-58	8.0	PVC	120.0	0.750	8.90	0.06
P-523	380	J-36	J-367	6.0	PVC	120.0	0.000	16.71	0.19
P-524	387	J-367	J-37	6.0	PVC	120.0	0.500	11.43	0.13
P-525	387	J-53	J-368	8.0	PVC	120.0	0.750	17.60	0.11
P-527	111	J-135	J-369	6.0	PVC	120.0	1.280	1.02	0.01
P-528	357	J-369	J-145	6.0	PVC	120.0	1.280	1.02	0.01
P-530	362	J-370	J-109	8.0	PVC	120.0	0.350	6.34	0.04
P-531	391	J-119	J-113	8.0	PVC	120.0	0.750	6.50	0.04
P-532	364	J-113	J-443	8.0	PVC	120.0	0.750	13.25	0.08
P-533	399	J-113	J-372	8.0	PVC	120.0	0.350	7.82	0.05
P-534	393	J-372	J-114	8.0	PVC	120.0	0.500	7.24	0.05
P-535	363	J-73	J-373	6.0	PVC	120.0	0.000	13.13	0.15
P-536	379	J-373	J-74	6.0	PVC	120.0	0.500	8.33	0.09
P-537	400	J-74	J-374	6.0	PVC	120.0	0.000	9.32	0.11
P-538	391	J-374	J-75	6.0	PVC	120.0	0.500	5.96	0.07
P-539	371	J-19	J-375	8.0	PVC	120.0	0.500	1.24	0.01
P-540	327	J-375	J-299	8.0	PVC	120.0	0.100	1.24	0.01
P-541	386	J-92	J-376	8.0	PVC	120.0	0.750	5.34	0.03
P-542	393	J-376	J-99	8.0	PVC	120.0	0.750	2.46	0.02
P-543	528	J-182	J-377	2.0	PVC	120.0	0.200	0.88	0.09
P-544	257	J-377	J-183	2.0	PVC	120.0	0.800	0.88	0.09
P-546	140	J-378	J-206	6.0	PVC	120.0	1.280	1.96	0.02
P-547	472	J-213	J-379	6.0	PVC	120.0	0.500	0.04	0.00
P-548	362	J-379	J-378	6.0	PVC	120.0	0.350	1.96	0.02
P-549	223	J-207	J-380	6.0	PVC	120.0	1.280	1.58	0.02
P-551	307	J-380	J-381	6.0	PVC	120.0	0.350	1.58	0.02
P-553	303	J-381	J-382	6.0	PVC	120.0	0.000	1.30	0.01
P-554	345	J-382	J-212	6.0	PVC	120.0	0.350	1.30	0.01
P-556	58	City Hill Tank	J-30	12.0	PVC	120.0	0.000	253.67	0.72
P-559	327	J-2	J-385	6.0	PVC	120.0	0.000	0.00	0.00
P-560	375	J-385	J-291	6.0	PVC	120.0	0.000	0.00	0.00
P-569(1)	41	J-283	PRV-13	8.0	PVC	120.0	0.000	(N/A)	(N/A)
P-569(2)	36	PRV-13	J-392	8.0	PVC	120.0	0.000	(N/A)	(N/A)
P-571	18	R-7	GPV-1	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-572	13	GPV-1	Well 3	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-573	16	Well 3	J-157	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-574	52	R-8	GPV-2	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-575	55	GPV-2	Well 1	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-576	49	Well 1	J-82	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-577	37	R-9	GPV-3	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-578	31	GPV-3	Well 2	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-579	26	Well 2	J-90	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-601	86	Airport GST	Airport-3	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-602	119	Airport-3	J-391	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-603	62	J-391	J-260	6.0	PVC	120.0	0.000	0.48	0.01
P-604	111	Airport GST	Airport-1	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-605	99	Airport-1	J-391	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-611	10	J-392	J-387	8.0	PVC	120.0	0.800	33.36	0.21
P-616	96	Airport GST	Airport-2	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-617	93	Airport-2	J-391	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-631	534	J-1409	J-241	10.0	PVC	120.0	0.000	0.00	0.00
P-690	371	J-291	J-51	6.0	PVC	120.0	0.500	0.00	0.00
P-692	354	J-30	J-421	12.0	PVC	120.0	0.800	253.67	0.72
P-717	62	J-23	J-426	8.0	PVC	120.0	0.350	0.00	0.00
P-718	66	J-426	J-157	8.0	PVC	120.0	1.280	(N/A)	(N/A)
P-741	389	J-431	J-370	8.0	PVC	120.0	0.000	9.70	0.06
P-742	391	J-125	J-431	6.0	PVC	120.0	1.280	1.46	0.02

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-743	399	J-129	J-431	8.0	PVC	120.0	0.350	11.16	0.07
P-748	385	J-66	J-51	8.0	PVC	120.0	0.750	51.38	0.33
P-750	162	J-290	J-158	8.0	PVC	120.0	0.350	27.37	0.17
P-751	375	J-21	J-168	6.0	PVC	120.0	0.000	12.07	0.14
P-763	381	J-444	J-372	12.0	PVC	120.0	1.280	4.94	0.01
P-766	192	J-31	J-52	8.0	PVC	120.0	0.750	75.13	0.48
P-789	111	J-72	J-435	6.0	PVC	120.0	0.350	2.50	0.03
P-790	397	J-435	J-73	6.0	PVC	120.0	0.500	2.50	0.03
P-791	124	J-304	J-469	6.0	PVC	120.0	1.280	9.60	0.11
P-792	359	J-154	J-153	6.0	PVC	120.0	0.800	0.00	0.00
P-794	384	J-160	J-162	8.0	PVC	120.0	0.500	7.76	0.05
P-795	394	J-124	J-129	6.0	PVC	120.0	1.280	3.61	0.04
P-796	379	J-113	J-171	8.0	PVC	120.0	0.500	1.07	0.01
P-797	391	J-443	J-444	8.0	PVC	120.0	0.350	15.32	0.10
P-798	401	J-444	J-102	8.0	PVC	120.0	0.500	10.38	0.07
P-799	377	J-32	J-12	8.0	PVC	120.0	0.750	36.49	0.23
P-809	38	J-299	J-436	2.0	PVC	120.0	0.000	1.24	0.13
P-810	432	J-436	J-79	2.0	PVC	120.0	0.500	1.24	0.13
P-813	150	J-368	J-441	8.0	PVC	120.0	0.000	17.60	0.11
P-814	227	J-441	J-63	8.0	PVC	120.0	1.280	17.60	0.11
P-815	90	J-81	J-439	8.0	PVC	120.0	0.000	41.07	0.26
P-816	80	J-439	J-79	8.0	PVC	120.0	0.000	41.07	0.26
P-889	51	J-507	J-250	12.0	PVC	120.0	0.000	11.04	0.03
P-890	13	J-507	T-28	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-891	21	R-16	PMP-24	16.0	PVC	120.0	0.000	0.00	0.00
P-892	30	PMP-24	Medina Valley Tank	16.0	PVC	120.0	0.000	0.00	0.00
P-895	16	J-508	PMP-26	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-896	12	PMP-26	J-509	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-897	26	J-508	PMP-27	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-898	18	PMP-27	J-509	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-903	13	J-509	J-507	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-904	14	Medina Valley Tank	J-508	16.0	PVC	120.0	0.000	248.44	0.40
P-905	11	J-508	PMP-25	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-907	16	PMP-25	J-509	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-910	345	J-507	J-235	16.0	PVC	120.0	0.800	237.39	0.38
P-927	13	J-507	T-29	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1424	14	J-509	J-1224	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1425	10	J-1224	T-28	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1426	11	J-1224	T-29	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1493	37	City Tank	J-392	12.0	PVC	120.0	0.000	33.36	0.09
P-1596	33	J-652	J-655	12.0	PVC	120.0	0.350	92.43	0.26
P-1616	906	J-208	J-464	8.0	PVC	120.0	0.000	19.68	0.13
P-1617	909	J-464	J-463	8.0	PVC	120.0	0.000	19.68	0.13
P-1618	271	J-463	J-1386	8.0	PVC	120.0	0.000	8.16	0.05
P-1619	242	J-1386	J-1293	8.0	PVC	120.0	0.000	8.16	0.05
P-1620	253	J-1293	J-462	8.0	PVC	120.0	0.000	8.16	0.05
P-1621	802	J-462	J-486	8.0	PVC	120.0	0.000	8.16	0.05
P-1622	556	J-486	J-455	6.0	PVC	120.0	0.000	5.76	0.07
P-1623	102	J-455	J-456	6.0	PVC	120.0	0.000	5.76	0.07
P-1624	306	J-456	J-465	4.0	PVC	120.0	0.200	5.76	0.15
P-1625	377	J-465	J-448	4.0	PVC	120.0	0.000	3.36	0.09
P-1626	271	J-448	J-466	4.0	PVC	120.0	0.000	3.36	0.09
P-1627	345	J-466	J-458	4.0	PVC	120.0	0.350	3.36	0.09
P-1628	357	J-458	J-468	4.0	PVC	120.0	0.000	1.92	0.05
P-1630	369	J-468	J-460	4.0	PVC	120.0	0.000	1.92	0.05
P-1631	313	J-460	J-461	4.0	PVC	120.0	0.800	1.92	0.05
P-1632	250	J-458	J-459	4.0	PVC	120.0	1.280	1.44	0.04
P-1633	390	J-188	J-234	10.0	PVC	120.0	0.000	32.20	0.13
P-1634	419	J-501	J-303	6.0	PVC	120.0	0.000	13.20	0.15
P-1635	489	J-651	J-236	16.0	PVC	120.0	0.000	92.43	0.15
P-1636	172	J-655	J-328	16.0	PVC	120.0	0.000	233.07	0.37
P-1637	106	J-870	J-335	16.0	PVC	120.0	0.000	236.43	0.38
P-1640	689	J-655	J-1446	16.0	PVC	120.0	1.280	140.64	0.22
P-1647	892	J-1446	J-1447	16.0	PVC	120.0	0.100	140.64	0.22
P-1648	98	J-1447	J-1464	16.0	PVC	120.0	0.000	140.64	0.22
P-1649	138	J-1464	J-1448	16.0	PVC	120.0	0.050	140.64	0.22
P-1650	328	J-1448	J-1449	16.0	PVC	120.0	0.050	140.64	0.22
P-1651	270	J-1449	J-1465	16.0	PVC	120.0	1.280	140.64	0.22
P-1652	458	J-1466	J-1465	8.0	PVC	120.0	0.350	70.32	0.45
P-1653	516	J-1465	J-1649	8.0	PVC	120.0	0.350	70.32	0.45
P-1654(1)	382	J-1484	J-1498	12.0	PVC	120.0	0.350	0.00	0.00
P-1654(2)	609	J-1498	J-1485	12.0	PVC	120.0	0.000	0.00	0.00
P-1655	183	J-1498	J-1487	12.0	PVC	120.0	1.280	3.12	0.01
P-1660	189	Airport GST	J-391	12.0	PVC	120.0	0.000	0.48	0.00
P-1661	31	J-508	J-507	16.0	PVC	120.0	0.000	248.44	0.40
P-1823	570	J-216	J-1472	8.0	PVC	120.0	0.800	6.65	0.04
P-1824	380	J-1472	J-1473	8.0	PVC	120.0	0.200	6.65	0.04
P-1825	297	J-1473	J-1474	8.0	PVC	120.0	0.050	6.65	0.04
P-1826	124	J-1474	J-1475	8.0	PVC	120.0	0.100	6.65	0.04
P-1827	519	J-1475	J-1476	8.0	PVC	120.0	0.800	19.61	0.13
P-1828	287	J-1476	J-325	8.0	PVC	120.0	0.000	19.61	0.13

FlexTable: Junction Table

Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-2	868.92	0.00	931.74	27.18
J-3	756.96	0.00	931.76	75.63
J-4	753.28	0.00	931.76	77.22
J-5	754.47	2.16	931.76	76.71
J-6	752.64	0.00	931.73	77.48
J-7	754.00	2.88	931.70	76.88
J-9	756.71	0.00	931.69	75.71
J-10	757.33	2.64	931.68	75.43
J-11	737.39	0.00	931.73	84.08
J-12	756.69	6.72	931.77	75.75
J-13	774.11	0.00	931.77	68.21
J-14	756.47	0.00	931.76	75.84
J-15	757.63	0.00	931.76	75.34
J-16	758.80	0.00	931.76	74.83
J-17	762.03	0.00	931.77	73.44
J-18	769.12	0.00	931.74	70.35
J-19	782.35	7.44	931.71	64.62
J-20	780.09	4.32	931.68	65.58
J-21	774.31	0.00	931.67	68.08
J-22	773.51	8.88	931.66	68.42
J-23	773.00	0.00	931.65	68.64
J-24	772.00	3.84	931.64	69.07
J-25	770.80	2.64	931.64	69.59
J-26	756.00	0.00	931.73	76.03
J-27	757.00	6.48	931.73	75.60
J-28	760.87	0.00	931.73	73.92
J-29	766.90	4.80	931.72	71.31
J-30	907.43	0.00	931.99	10.62
J-31	779.79	0.00	931.81	65.77
J-32	764.44	0.00	931.79	72.40
J-33	759.68	0.00	931.76	74.45
J-34	756.23	0.00	931.70	75.92
J-36	757.00	0.00	931.67	75.57
J-37	758.00	0.00	931.64	75.13
J-38	759.34	4.08	931.63	74.54
J-39	761.11	0.00	931.63	73.78
J-40	756.24	3.12	931.68	75.91
J-41	757.00	0.00	931.68	75.58
J-42	757.00	0.00	931.68	75.58
J-43	762.38	7.20	931.68	73.25
J-45	755.84	3.60	931.68	76.08
J-48	756.66	1.68	931.68	75.72
J-50	757.01	0.00	931.68	75.57
J-51	782.22	0.00	931.74	64.69
J-52	791.57	4.32	931.77	60.66
J-53	756.81	2.88	931.67	75.65
J-54	757.00	0.00	931.65	75.56
J-55	758.00	0.00	931.64	75.13
J-58	760.00	0.00	931.63	74.26
J-59	761.00	6.00	931.63	73.82
J-60	760.84	0.00	931.62	73.89
J-61	757.84	0.00	931.64	75.20
J-62	756.87	0.00	931.67	75.63
J-63	759.00	0.00	931.66	74.70
J-65	757.00	0.00	931.68	75.58
J-66	784.61	0.00	931.71	63.64
J-68	807.49	0.72	931.68	53.73
J-69	811.45	0.00	931.68	52.02
J-71	789.74	0.00	931.67	61.41
J-72	764.83	12.96	931.65	72.18
J-73	761.00	0.00	931.65	73.83
J-74	760.00	0.00	931.64	74.26
J-75	760.00	0.00	931.63	74.26
J-79	762.45	0.00	931.67	73.22
J-80	766.50	0.00	931.66	71.46
J-81	761.13	0.00	931.66	73.78
J-82	759.74	0.00	931.64	74.37
J-83	760.00	8.40	931.63	74.26
J-84	760.00	0.00	931.63	74.26
J-85	762.11	8.64	931.63	73.34
J-86	761.50	0.00	931.63	73.60
J-88	760.85	0.00	931.63	73.89
J-89	762.38	0.00	931.63	73.22
J-90	762.67	(N/A)	(N/A)	(N/A)
J-92	762.00	0.00	931.62	73.39
J-93	762.27	1.92	931.62	73.27
J-94	761.00	0.00	931.62	73.82
J-95	761.13	1.92	931.62	73.76
J-96	738.68	0.00	931.62	83.48
J-97	761.64	0.00	931.62	73.54
J-98	763.00	0.00	931.61	72.95
J-99	764.00	0.00	931.62	72.52
J-100	764.00	0.00	931.62	72.52
J-101	764.03	0.00	931.62	72.51
J-102	760.79	0.00	931.63	73.91
J-103	761.63	10.08	931.62	73.55

FlexTable: Junction Table

Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-104	760.95	0.00	931.62	73.84
J-105	764.00	2.64	931.62	72.52
J-106	783.65	5.76	931.58	64.00
J-107	786.75	0.00	931.58	62.66
J-109	765.72	0.00	931.63	71.78
J-110	765.00	4.08	931.63	72.09
J-111	763.23	0.00	931.63	72.86
J-112	764.26	3.36	931.62	72.41
J-113	763.00	0.00	931.63	72.96
J-114	762.00	0.00	931.63	73.39
J-115	763.22	0.00	931.63	72.86
J-116	765.00	0.00	931.63	72.09
J-117	765.45	0.00	931.63	71.90
J-118	765.00	0.00	931.63	72.09
J-119	762.87	0.00	931.63	73.02
J-120	765.86	6.24	931.63	71.72
J-121	804.38	0.00	931.65	55.06
J-122	783.85	0.00	931.65	63.94
J-123	783.85	0.00	931.65	63.94
J-124	766.00	5.04	931.63	71.66
J-125	765.00	0.00	931.63	72.09
J-126	763.00	0.00	931.63	72.96
J-127	764.12	0.00	931.63	72.47
J-129	764.87	1.68	931.63	72.15
J-130	780.79	0.00	931.64	65.27
J-131	780.16	0.00	931.64	65.54
J-132	790.00	0.00	931.64	61.28
J-133	788.00	3.84	1,030.23	104.80
J-134	789.10	0.00	1,030.23	104.33
J-135	792.83	0.00	1,030.24	102.71
J-136	814.48	0.00	1,030.24	93.35
J-137	826.14	0.00	1,030.25	88.31
J-138	837.92	0.00	1,030.25	83.21
J-139	854.06	0.00	1,030.25	76.23
J-141	865.41	1.92	1,030.25	71.32
J-142	849.01	0.00	1,030.40	78.48
J-143	850.99	0.00	1,030.40	77.62
J-144	852.89	0.00	1,030.40	76.80
J-145	805.20	0.00	1,030.24	97.36
J-146	803.40	0.00	1,030.24	98.14
J-147	822.90	0.00	1,030.26	89.71
J-148	850.84	0.00	1,030.27	77.63
J-149	884.73	0.00	1,030.37	63.01
J-150	935.05	0.00	1,030.37	41.24
J-151	785.98	0.00	931.66	63.03
J-152	802.00	0.00	931.64	56.09
J-153	779.54	0.00	931.64	65.81
J-154	775.15	1.44	931.64	67.71
J-155	807.58	0.00	931.65	53.68
J-156	784.92	0.00	931.65	63.48
J-157	773.56	(N/A)	(N/A)	(N/A)
J-158	789.03	0.00	931.68	61.71
J-159	765.93	0.00	931.63	71.69
J-160	762.11	6.00	931.63	73.34
J-162	763.86	0.00	931.63	72.59
J-163	766.24	0.00	931.63	71.56
J-165	763.00	3.12	931.63	72.96
J-166	761.90	0.00	931.64	73.44
J-167	764.88	0.00	931.65	72.16
J-168	766.55	0.00	931.66	71.44
J-169	765.91	0.00	931.65	71.71
J-170	765.73	0.00	931.63	71.78
J-171	762.36	4.56	931.63	73.23
J-172	763.00	0.00	931.63	72.96
J-173	761.00	0.00	931.63	73.82
J-174	760.36	0.00	931.64	74.10
J-175	742.22	0.00	931.63	81.95
J-176	753.87	2.40	931.41	76.81
J-177	756.00	0.00	931.47	75.92
J-178	755.00	0.00	931.47	76.35
J-179	756.00	0.00	931.49	75.93
J-180	757.28	0.00	931.50	75.38
J-181	756.51	1.20	931.48	75.70
J-182	759.32	3.84	931.60	74.54
J-183	769.88	0.00	931.56	69.95
J-184	780.48	0.00	931.56	65.37
J-185	764.04	0.00	931.60	72.49
J-186	764.38	1.68	931.61	72.35
J-187	787.66	0.00	931.63	62.29
J-188	786.80	0.00	931.68	62.68
J-189	787.86	0.00	931.62	62.20
J-190	794.65	0.00	931.61	59.26
J-191	788.24	0.00	931.61	62.03
J-192	767.62	0.00	931.61	70.95
J-193	766.56	0.00	931.61	71.41
J-194	769.88	0.00	931.59	69.96

FlexTable: Junction Table

Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-196	769.96	0.00	931.59	69.93
J-197	766.35	0.00	931.61	71.50
J-198	766.22	0.00	931.61	71.55
J-199	765.97	0.00	931.61	71.66
J-200	765.07	0.48	931.61	72.05
J-201	763.00	0.00	931.61	72.95
J-202	766.71	0.00	931.61	71.34
J-203	784.40	0.00	931.58	63.68
J-204	784.30	0.00	931.58	63.72
J-205	785.00	0.00	931.58	63.42
J-206	777.79	0.00	931.58	66.54
J-207	783.05	0.00	931.58	64.26
J-208	796.75	0.00	931.56	58.33
J-209	789.80	1.92	931.58	61.34
J-210	770.11	0.00	931.58	69.86
J-211	795.05	0.00	931.58	59.07
J-212	785.16	0.00	931.58	63.35
J-213	784.19	2.88	931.58	63.77
J-214	784.00	3.12	931.58	63.85
J-215	782.38	0.00	931.59	64.55
J-216	781.47	0.00	931.59	64.95
J-217	784.00	0.72	931.58	63.85
J-218	783.00	1.68	931.58	64.28
J-219	782.00	1.44	931.58	64.72
J-221	782.43	3.36	931.58	64.53
J-222	781.43	0.00	931.59	64.97
J-223	777.49	0.00	931.62	66.68
J-224	779.13	0.00	931.63	65.98
J-225	780.95	0.00	931.65	65.20
J-226	781.68	0.00	931.66	64.89
J-227	783.10	6.48	931.69	64.29
J-228	783.73	1.44	931.58	63.97
J-229	782.78	1.44	931.58	64.38
J-230	780.52	2.64	931.62	65.37
J-231	787.09	2.88	931.63	62.54
J-232	792.98	2.64	931.65	60.00
J-233	784.52	0.00	931.66	63.66
J-234	785.73	1.92	931.68	63.15
J-235	772.34	0.96	931.98	69.07
J-236	778.00	0.00	931.74	66.51
J-237	768.50	0.00	931.87	70.68
J-238	770.53	0.00	931.99	69.86
J-239	769.23	1.44	931.99	70.42
J-240	767.53	0.00	931.99	71.16
J-241	763.05	0.00	931.99	73.09
J-242	762.97	0.00	931.99	73.13
J-243	759.76	0.00	931.99	74.52
J-250	769.68	0.00	932.00	70.23
J-251	767.29	0.00	932.00	71.26
J-252	770.05	0.00	932.00	70.07
J-253	767.63	0.00	932.00	71.11
J-254	766.80	2.40	932.00	71.47
J-255	765.00	0.00	932.00	72.25
J-256	765.16	0.00	932.00	72.18
J-257	762.83	0.00	932.00	73.19
J-258	771.60	0.00	932.00	69.40
J-259	769.94	0.00	932.00	70.12
J-260	769.58	0.00	932.00	70.27
J-261	761.47	0.00	932.00	73.78
J-262	759.41	0.00	932.00	74.67
J-263	761.00	0.48	932.00	73.98
J-264	761.00	0.00	932.00	73.98
J-265	760.27	0.00	932.00	74.30
J-266	757.85	0.00	931.70	75.22
J-267	760.91	0.72	931.58	73.84
J-268	764.86	0.00	931.65	72.16
J-269	802.53	0.00	1,030.24	98.52
J-270	814.36	0.00	1,030.25	93.40
J-271	817.10	6.24	1,030.25	92.22
J-272	830.89	5.04	1,030.25	86.26
J-273	854.25	0.00	1,030.26	76.15
J-274	932.55	3.36	1,030.37	42.32
J-276	907.96	0.00	1,030.37	52.96
J-277	867.37	0.00	1,030.39	70.53
J-278	848.29	3.60	1,030.31	78.75
J-279	832.40	0.00	1,030.26	85.61
J-280	808.19	5.76	1,030.24	96.07
J-281	800.67	1.92	1,030.24	99.32
J-282	826.29	1.68	1,030.43	88.32
J-283	807.55	0.00	931.66	53.70
J-284	798.34	6.00	931.65	57.68
J-285	794.20	0.00	931.65	59.46
J-286	791.55	5.52	931.64	60.61
J-287	770.97	0.00	931.64	69.51
J-288	769.75	0.00	931.64	70.04
J-289	802.32	3.12	931.67	55.96

FlexTable: Junction Table

Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-290	789.08	0.00	931.68	61.70
J-291	822.29	0.00	931.74	47.35
J-293	766.95	0.00	931.77	71.31
J-294	754.23	3.84	931.76	76.81
J-295	755.00	0.00	931.69	76.45
J-297	759.11	0.00	931.71	74.68
J-298	769.62	0.00	931.70	70.13
J-299	769.00	0.00	931.71	70.40
J-300	725.00	0.00	931.62	89.40
J-301	767.16	3.60	931.58	71.14
J-302	759.31	0.00	931.54	74.52
J-303	759.00	2.64	931.52	74.64
J-304	755.56	0.00	931.49	76.12
J-305	779.19	0.00	931.61	65.95
J-306	788.48	0.00	931.61	61.93
J-307	788.55	3.36	931.61	61.90
J-308	787.07	0.00	931.62	62.54
J-309	785.65	0.00	931.62	63.16
J-310	787.81	0.00	931.62	62.22
J-311	779.53	0.00	931.61	65.80
J-312	778.19	0.00	931.61	66.38
J-313	785.90	5.76	931.61	63.04
J-314	787.00	0.00	931.61	62.57
J-315	768.00	0.00	931.61	70.79
J-317	767.77	0.00	931.61	70.88
J-318	767.06	0.00	931.60	71.19
J-319	783.02	2.40	931.58	64.28
J-322	785.00	2.16	931.58	63.42
J-323	779.72	3.36	931.59	65.71
J-324	778.17	3.12	931.59	66.38
J-325	776.29	1.68	931.60	67.19
J-326	781.97	0.96	931.71	64.78
J-327	777.41	3.36	931.73	66.76
J-328	776.11	0.00	931.75	67.34
J-329	773.32	0.00	931.78	68.55
J-330	770.03	0.00	931.80	69.99
J-331	764.47	0.00	931.83	72.41
J-332	766.17	0.00	931.85	71.68
J-333	773.00	0.24	931.92	68.76
J-334	771.22	0.00	931.89	69.51
J-335	773.00	0.00	931.95	68.77
J-336	767.04	0.00	931.99	71.37
J-337	768.31	0.00	931.99	70.82
J-338	765.63	0.00	931.99	71.98
J-339	764.11	0.00	932.00	72.64
J-340	767.51	0.00	932.00	71.17
J-341	766.52	5.28	932.00	71.59
J-342	761.87	0.00	932.00	73.61
J-343	763.68	0.00	932.00	72.82
J-344	761.00	0.00	931.99	73.98
J-345	762.48	0.00	931.99	73.34
J-346	761.47	1.20	931.99	73.78
J-347	763.07	0.72	931.99	73.09
J-349	760.66	0.00	932.00	74.13
J-350	761.01	0.00	932.00	73.98
J-351	765.11	0.00	932.00	72.21
J-352	764.26	0.00	932.00	72.57
J-353	767.56	0.00	932.00	71.15
J-354	766.48	0.00	932.00	71.61
J-355	764.51	0.00	932.00	72.47
J-356	762.57	0.00	932.00	73.31
J-357	767.08	2.88	931.63	71.19
J-358	763.14	0.00	931.63	72.89
J-359	732.00	0.00	931.60	86.36
J-360	766.71	0.00	931.59	71.34
J-361	793.03	0.96	931.57	59.94
J-362	795.08	0.00	931.57	59.05
J-363	790.96	0.00	931.58	60.84
J-364	761.00	0.00	931.64	73.83
J-365	759.00	0.00	931.63	74.69
J-366	759.00	0.00	931.63	74.69
J-367	757.00	5.28	931.65	75.56
J-368	757.67	0.00	931.66	75.28
J-369	796.46	0.00	1,030.24	101.14
J-370	764.19	3.36	931.63	72.44
J-372	764.00	5.52	931.63	72.53
J-373	760.05	4.80	931.64	74.24
J-374	762.31	3.36	931.63	73.26
J-375	779.95	0.00	931.71	65.66
J-376	763.00	2.88	931.62	72.96
J-377	761.04	0.00	931.57	73.78
J-378	782.47	0.00	931.58	64.52
J-379	785.00	1.92	931.58	63.42
J-380	787.73	0.00	931.58	62.24
J-381	787.55	2.88	931.58	62.32
J-382	786.57	0.00	931.58	62.74

FlexTable: Junction Table

Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-385	864.99	0.00	931.74	28.88
J-387	809.56	0.00	1,030.45	95.57
J-391	769.00	0.00	932.00	70.52
J-392	808.99	0.00	1,030.45	95.81
J-421	852.76	0.00	931.90	34.24
J-426	773.76	0.00	931.65	68.31
J-431	764.00	0.00	931.63	72.53
J-435	764.04	0.00	931.65	72.52
J-436	768.68	0.00	931.70	70.53
J-439	762.11	0.00	931.67	73.36
J-441	759.57	0.00	931.66	74.45
J-443	761.00	0.00	931.63	73.83
J-444	763.00	0.00	931.63	72.96
J-445	797.55	0.00	931.68	58.03
J-448	808.93	0.00	931.51	53.03
J-455	784.91	0.00	931.53	63.44
J-456	788.01	0.00	931.53	62.09
J-458	818.10	0.00	931.50	49.06
J-459	825.00	1.44	931.50	46.08
J-460	814.71	0.00	931.50	50.53
J-461	813.75	1.92	931.49	50.94
J-462	783.00	0.00	931.54	64.26
J-463	795.45	11.52	931.54	58.88
J-464	801.02	0.00	931.55	56.47
J-465	804.18	2.40	931.52	55.09
J-466	810.63	0.00	931.51	52.30
J-468	816.55	0.00	931.50	49.73
J-469	757.85	9.60	931.49	75.12
J-486	782.56	2.40	931.53	64.45
J-501	757.97	0.00	931.51	75.08
J-507	769.85	0.00	932.00	70.15
J-508	769.60	0.00	932.00	70.26
J-509	769.78	(N/A)	(N/A)	(N/A)
J-651	776.33	0.00	931.73	67.24
J-652	777.13	0.00	931.74	66.89
J-655	777.00	0.00	931.74	66.95
J-870	773.00	0.00	931.94	68.77
J-1224	769.83	(N/A)	(N/A)	(N/A)
J-1293	786.19	0.00	931.54	62.89
J-1386	790.84	0.00	931.54	60.87
J-1409	764.00	0.00	931.99	72.68
J-1446	772.40	0.00	931.73	68.93
J-1447	772.41	0.00	931.71	68.92
J-1448	773.84	0.00	931.71	68.30
J-1449	774.45	0.00	931.70	68.03
J-1464	773.26	0.00	931.71	68.55
J-1465	775.11	0.00	931.69	67.75
J-1466	778.27	70.32	931.62	66.35
J-1472	784.82	0.00	931.59	63.50
J-1473	779.30	0.00	931.59	65.89
J-1474	777.97	0.00	931.59	66.46
J-1475	777.71	12.96	931.59	66.58
J-1476	777.35	0.00	931.60	66.74
J-1484	773.00	0.00	931.76	68.69
J-1485	770.00	0.00	931.76	69.99
J-1487	774.65	0.00	931.76	67.98
J-1498	772.00	3.12	931.76	69.12
J-1649	772.19	70.32	931.61	68.98

EXISTING SYSTEM
MDF RESULTS

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-2	400	J-4	J-5	6.0	PVC	120.0	0.350	13.12	0.15
P-3	372	J-5	J-6	6.0	PVC	120.0	0.500	44.26	0.50
P-4	406	J-6	J-7	6.0	PVC	120.0	0.500	43.35	0.49
P-6	362	J-7	J-9	6.0	PVC	120.0	0.350	26.04	0.30
P-7	385	J-9	J-10	6.0	PVC	120.0	0.800	16.18	0.18
P-8	595	J-6	J-11	8.0	PVC	120.0	0.000	0.00	0.00
P-9	388	J-12	J-4	6.0	PVC	120.0	1.280	20.48	0.23
P-11	399	J-12	J-14	8.0	PVC	120.0	1.280	36.58	0.23
P-12	388	J-5	J-14	8.0	PVC	120.0	1.280	35.28	0.23
P-13	186	J-14	J-15	8.0	PVC	120.0	0.350	1.30	0.01
P-14	180	J-15	J-16	8.0	PVC	120.0	0.000	1.38	0.01
P-15	395	J-16	J-17	8.0	PVC	120.0	0.750	49.42	0.32
P-16	374	J-17	J-18	8.0	PVC	120.0	0.750	106.63	0.68
P-17	388	J-18	J-19	8.0	PVC	120.0	0.750	90.45	0.58
P-18	400	J-19	J-20	8.0	PVC	120.0	0.750	87.28	0.56
P-19	394	J-20	J-21	8.0	PVC	120.0	0.350	49.40	0.32
P-20	379	J-21	J-22	8.0	PVC	120.0	0.750	49.76	0.32
P-21	373	J-22	J-23	8.0	PVC	120.0	0.350	42.45	0.27
P-22	377	J-23	J-24	8.0	PVC	120.0	0.750	40.46	0.26
P-23	393	J-24	J-25	8.0	PVC	120.0	1.280	23.80	0.15
P-24	375	J-15	J-26	2.0	PVC	120.0	1.280	2.68	0.27
P-25	571	J-26	J-6	8.0	PVC	120.0	0.750	0.91	0.01
P-26	184	J-26	J-27	8.0	PVC	120.0	0.350	3.59	0.02
P-27	393	J-27	J-28	8.0	PVC	120.0	0.750	3.80	0.02
P-28	377	J-28	J-29	8.0	PVC	120.0	1.280	32.32	0.21
P-30	387	J-31	J-17	12.0	PVC	120.0	0.500	272.16	0.77
P-31	385	J-31	J-32	8.0	PVC	120.0	0.350	69.94	0.45
P-32	147	J-33	J-16	6.0	PVC	120.0	0.500	0.00	0.00
P-33	376	J-16	J-27	6.0	PVC	120.0	0.500	48.04	0.55
P-34	404	J-27	J-34	6.0	PVC	120.0	0.350	43.02	0.49
P-35	354	J-34	J-40	6.0	PVC	120.0	0.350	30.21	0.34
P-36	392	J-40	J-36	6.0	PVC	120.0	0.500	30.25	0.34
P-38	387	J-37	J-38	6.0	PVC	120.0	0.350	25.05	0.28
P-39	371	J-38	J-39	6.0	PVC	120.0	0.200	17.42	0.20
P-41	371	J-40	J-41	8.0	PVC	120.0	1.280	4.73	0.03
P-42	27	J-41	J-42	8.0	PVC	120.0	0.350	2.92	0.02
P-43	379	J-42	J-43	8.0	PVC	120.0	0.750	13.56	0.09
P-45	366	J-45	J-295	6.0	PVC	120.0	1.280	24.60	0.28
P-47	360	J-9	J-45	6.0	PVC	120.0	1.280	9.86	0.11
P-48	389	J-45	J-48	6.0	PVC	120.0	0.500	16.81	0.19
P-50	398	J-36	J-48	6.0	PVC	120.0	0.750	24.71	0.28
P-52	358	J-48	J-10	6.0	PVC	120.0	0.000	11.12	0.13
P-53	356	J-48	J-50	2.0	PVC	120.0	0.000	0.00	0.00
P-55	388	J-51	J-18	8.0	PVC	120.0	0.500	37.24	0.24
P-56	185	J-51	J-52	8.0	PVC	120.0	0.000	135.65	0.87
P-57	376	J-17	J-28	8.0	PVC	120.0	0.500	116.11	0.74
P-59	389	J-42	J-53	8.0	PVC	120.0	0.500	69.34	0.44
P-60	381	J-53	J-54	8.0	PVC	120.0	0.000	54.84	0.35
P-61	384	J-54	J-55	8.0	PVC	120.0	0.350	54.84	0.35
P-62	404	J-55	J-58	8.0	PVC	120.0	0.500	51.71	0.33
P-64	386	J-58	J-59	8.0	PVC	120.0	1.280	34.45	0.22
P-65	390	J-59	J-39	8.0	PVC	120.0	0.500	10.28	0.07
P-67	338	J-37	J-61	6.0	PVC	120.0	0.750	0.00	0.00
P-69	375	J-55	J-37	6.0	PVC	120.0	1.280	3.13	0.04
P-70	391	J-58	J-38	2.0	PVC	120.0	1.280	0.19	0.02
P-71	362	J-36	J-62	8.0	PVC	120.0	0.750	22.93	0.15
P-72	29	J-62	J-53	8.0	PVC	120.0	0.350	24.74	0.16
P-75	340	J-43	J-65	6.0	PVC	120.0	0.000	0.00	0.00
P-76	376	J-18	J-29	8.0	PVC	120.0	0.350	53.42	0.34
P-78	383	J-66	J-19	8.0	PVC	120.0	1.280	13.47	0.09
P-80	221	J-43	J-79	8.0	PVC	120.0	0.750	76.30	0.49
P-82	389	J-41	J-62	2.0	PVC	120.0	1.280	1.81	0.18
P-83	132	J-68	J-69	6.0	PVC	120.0	0.800	0.00	0.00
P-85	384	J-445	J-68	8.0	PVC	120.0	0.350	1.38	0.01
P-87	389	J-71	J-21	8.0	PVC	120.0	0.500	23.49	0.15
P-88	626	J-20	J-72	6.0	PVC	120.0	1.280	29.60	0.34
P-97	393	J-73	J-81	8.0	PVC	120.0	0.750	46.07	0.29
P-99	299	J-80	J-81	3.0	PVC	120.0	0.500	0.00	0.00
P-100	369	J-81	J-63	8.0	PVC	120.0	0.350	32.61	0.21
P-101	366	J-63	J-82	8.0	PVC	120.0	0.350	66.33	0.42
P-103	20	J-83	J-84	8.0	PVC	120.0	0.500	38.22	0.24
P-104	369	J-84	J-85	8.0	PVC	120.0	1.280	24.29	0.16
P-107	374	J-59	J-86	8.0	PVC	120.0	0.350	12.67	0.08
P-109	390	J-86	J-85	8.0	PVC	120.0	0.750	4.94	0.03
P-110	389	J-85	J-88	8.0	PVC	120.0	1.280	2.79	0.02
P-111	368	J-88	J-75	8.0	PVC	120.0	0.350	20.73	0.13
P-112	390	J-75	J-84	8.0	PVC	120.0	0.750	12.60	0.08
P-113	214	J-86	J-89	8.0	PVC	120.0	0.350	18.95	0.12
P-114	166	J-89	J-90	8.0	PVC	120.0	1.280	(N/A)	(N/A)
P-115	178	J-89	J-92	8.0	PVC	120.0	0.500	18.95	0.12
P-116	157	J-92	J-93	8.0	PVC	120.0	0.500	4.97	0.03
P-117	284	J-94	J-95	6.0	PVC	120.0	0.000	0.00	0.00
P-118	491	J-95	J-96	2.0	PVC	120.0	1.280	0.00	0.00
P-119	220	J-95	J-97	6.0	PVC	120.0	0.350	3.68	0.04
P-120	282	J-97	J-93	2.0	PVC	120.0	0.300	0.05	0.01
P-121	432	J-93	J-98	2.0	PVC	120.0	0.300	1.34	0.14

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-122	209	J-97	J-92	8.0	PVC	120.0	0.500	3.73	0.02
P-125	387	J-99	J-100	8.0	PVC	120.0	0.000	1.52	0.01
P-126	34	J-100	J-101	8.0	PVC	120.0	1.280	8.45	0.05
P-127	371	J-102	J-103	8.0	PVC	120.0	0.350	29.28	0.19
P-128	377	J-103	J-100	8.0	PVC	120.0	0.800	9.96	0.06
P-129	291	J-103	J-104	8.0	PVC	120.0	1.280	0.00	0.00
P-130	384	J-88	J-99	8.0	PVC	120.0	0.500	23.51	0.15
P-131	213	J-99	J-105	8.0	PVC	120.0	0.500	29.75	0.19
P-132	421	J-105	J-98	8.0	PVC	120.0	0.300	44.83	0.29
P-134	107	J-106	J-107	8.0	PVC	120.0	0.500	31.45	0.20
P-137	420	J-110	J-111	8.0	PVC	120.0	0.300	9.09	0.06
P-138	420	J-111	J-112	8.0	PVC	120.0	0.300	17.48	0.11
P-139	417	J-112	J-101	8.0	PVC	120.0	0.000	11.69	0.07
P-141	444	J-101	J-105	8.0	PVC	120.0	0.350	20.13	0.13
P-143	606	J-114	J-112	2.0	PVC	120.0	0.500	0.65	0.07
P-144	400	J-114	J-102	6.0	PVC	120.0	0.750	6.14	0.07
P-145	380	J-102	J-75	6.0	PVC	120.0	0.750	3.29	0.04
P-146	379	J-114	J-115	6.0	PVC	120.0	0.750	7.06	0.08
P-147	292	J-115	J-116	6.0	PVC	120.0	0.750	5.68	0.06
P-148	89	J-116	J-117	6.0	PVC	120.0	1.280	5.68	0.06
P-149	429	J-111	J-115	6.0	PVC	120.0	0.500	8.39	0.10
P-150	387	J-115	J-118	6.0	PVC	120.0	0.500	7.01	0.08
P-151	406	J-118	J-119	6.0	PVC	120.0	0.350	7.54	0.09
P-152	372	J-118	J-120	2.0	PVC	120.0	1.280	0.53	0.05
P-154	9	J-122	J-123	6.0	PVC	120.0	0.750	26.07	0.30
P-155	381	J-122	J-24	6.0	PVC	120.0	0.500	8.79	0.10
P-157	385	J-124	J-125	6.0	PVC	120.0	0.500	7.66	0.09
P-158	383	J-125	J-126	6.0	PVC	120.0	0.350	6.90	0.08
P-159	374	J-126	J-127	6.0	PVC	120.0	0.500	6.51	0.07
P-160	406	J-127	J-120	6.0	PVC	120.0	0.350	11.13	0.13
P-161	383	J-120	J-117	6.0	PVC	120.0	0.350	0.30	0.00
P-162	261	J-117	J-110	6.0	PVC	120.0	0.500	5.39	0.06
P-163	392	J-109	J-127	8.0	PVC	120.0	1.280	4.91	0.03
P-164	372	J-127	J-119	8.0	PVC	120.0	0.750	9.54	0.06
P-166	402	J-443	J-74	8.0	PVC	120.0	0.750	27.18	0.17
P-167	397	J-74	J-82	8.0	PVC	120.0	1.280	29.07	0.19
P-170	383	J-25	J-130	8.0	PVC	120.0	0.350	12.73	0.08
P-171	415	J-130	J-131	8.0	PVC	120.0	0.750	2.76	0.02
P-172	363	J-131	J-132	8.0	PVC	120.0	0.350	0.00	0.00
P-173(1)	62	J-132	PRV-12	6.0	PVC	120.0	0.200	(N/A)	(N/A)
P-173(2)	201	PRV-12	J-133	6.0	PVC	120.0	0.200	(N/A)	(N/A)
P-174	263	J-133	J-134	6.0	PVC	120.0	1.280	0.00	0.00
P-175	310	J-133	J-135	6.0	PVC	120.0	0.350	7.36	0.08
P-177	306	J-136	J-137	6.0	PVC	120.0	0.350	22.08	0.25
P-178	322	J-137	J-138	6.0	PVC	120.0	0.350	18.88	0.21
P-179	254	J-138	J-139	6.0	PVC	120.0	0.350	16.12	0.18
P-181	235	J-139	J-141	6.0	PVC	120.0	0.350	3.68	0.04
P-182	22	J-142	J-143	2.0	PVC	120.0	0.750	0.00	0.00
P-183	49	J-143	J-144	2.0	PVC	120.0	0.000	0.00	0.00
P-185	228	J-145	J-146	6.0	PVC	120.0	0.000	0.00	0.00
P-195	384	J-151	J-22	8.0	PVC	120.0	1.280	9.72	0.06
P-196	377	J-130	J-123	8.0	PVC	120.0	0.000	26.07	0.17
P-198	359	J-132	J-153	2.0	PVC	120.0	1.280	0.00	0.00
P-199	359	J-131	J-154	6.0	PVC	120.0	1.280	2.76	0.03
P-201	383	J-156	J-23	8.0	PVC	120.0	0.500	1.99	0.01
P-203	391	J-151	J-71	8.0	PVC	120.0	0.750	54.08	0.35
P-204	256	J-71	J-158	8.0	PVC	120.0	0.000	52.47	0.33
P-205	378	J-122	J-156	8.0	PVC	120.0	0.750	34.85	0.22
P-206	361	J-156	J-151	8.0	PVC	120.0	0.750	44.36	0.28
P-207	380	J-124	J-159	6.0	PVC	120.0	0.750	7.66	0.09
P-210	379	J-162	J-159	8.0	PVC	120.0	0.500	7.66	0.05
P-211	65	J-159	J-163	0.8	PVC	120.0	0.750	0.00	0.00
P-212	378	J-125	J-162	6.0	PVC	120.0	0.750	3.55	0.04
P-213	359	J-162	J-165	6.0	PVC	120.0	0.750	3.64	0.04
P-215	388	J-165	J-166	6.0	PVC	120.0	0.750	21.25	0.24
P-216	401	J-166	J-73	6.0	PVC	120.0	0.750	25.67	0.29
P-217	528	J-166	J-167	6.0	PVC	120.0	0.500	23.13	0.26
P-218	225	J-167	J-168	6.0	PVC	120.0	0.350	23.13	0.26
P-219	112	J-167	J-169	6.0	PVC	120.0	1.280	0.00	0.00
P-220	378	J-165	J-170	8.0	PVC	120.0	0.500	0.00	0.00
P-221	376	J-165	J-171	8.0	PVC	120.0	0.500	11.64	0.07
P-222	75	J-126	J-172	2.0	PVC	120.0	1.280	0.39	0.04
P-223	299	J-172	J-160	3.0	PVC	120.0	0.750	0.39	0.02
P-224	410	J-160	J-171	3.0	PVC	120.0	0.750	0.87	0.04
P-225	181	J-171	J-173	3.0	PVC	120.0	0.000	0.00	0.00
P-226	398	J-166	J-174	8.0	PVC	120.0	0.000	27.55	0.18
P-227	350	J-174	J-443	8.0	PVC	120.0	0.500	27.55	0.18
P-228	370	J-160	J-119	8.0	PVC	120.0	0.500	4.61	0.03
P-229	488	J-110	J-175	2.0	PVC	120.0	0.000	0.00	0.00
P-230	210	J-176	J-177	2.0	PVC	120.0	0.500	4.60	0.47
P-231	386	J-177	J-178	2.0	PVC	120.0	0.300	0.00	0.00
P-232	78	J-177	J-179	2.0	PVC	120.0	0.800	4.60	0.47
P-233	361	J-180	J-181	2.0	PVC	120.0	1.280	2.30	0.23
P-235	220	J-183	J-184	2.0	PVC	120.0	0.750	0.00	0.00
P-239	420	J-185	J-182	6.0	PVC	120.0	1.280	9.04	0.10
P-240	280	J-60	J-186	6.0	PVC	120.0	0.800	27.70	0.31

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-241	143	J-186	J-185	6.0	PVC	120.0	0.350	44.62	0.51
P-243	297	J-187	J-188	6.0	PVC	120.0	1.280	61.80	0.70
P-244	215	J-187	J-189	6.0	PVC	120.0	0.350	35.22	0.40
P-245	218	J-189	J-190	6.0	PVC	120.0	0.350	23.42	0.27
P-248	23	J-192	J-193	6.0	PVC	120.0	1.280	7.32	0.08
P-250	47	J-194	J-196	6.0	PVC	120.0	0.350	21.88	0.25
P-252	84	J-197	J-198	6.0	PVC	120.0	0.500	12.82	0.15
P-253	126	J-197	J-199	6.0	PVC	120.0	0.500	10.43	0.12
P-254	160	J-199	J-192	6.0	PVC	120.0	1.280	4.49	0.05
P-255	434	J-200	J-201	2.0	PVC	120.0	0.500	0.00	0.00
P-258	166	J-193	J-199	8.0	PVC	120.0	0.350	6.40	0.04
P-259	68	J-199	J-198	8.0	PVC	120.0	0.750	0.45	0.00
P-262	150	J-203	J-204	6.0	PVC	120.0	0.000	1.71	0.02
P-264	437	J-194	J-206	8.0	PVC	120.0	0.350	14.85	0.09
P-265	287	J-206	J-207	8.0	PVC	120.0	0.350	11.12	0.07
P-266	294	J-207	J-107	8.0	PVC	120.0	0.350	8.11	0.05
P-268	558	J-106	J-209	6.0	PVC	120.0	1.280	3.68	0.04
P-269	498	J-209	J-210	6.0	PVC	120.0	0.500	0.00	0.00
P-270	651	J-209	J-211	6.0	PVC	120.0	0.000	0.00	0.00
P-272	331	J-212	J-213	6.0	PVC	120.0	1.280	1.70	0.02
P-274	487	J-212	J-214	6.0	PVC	120.0	0.350	0.81	0.01
P-275	313	J-214	J-215	6.0	PVC	120.0	0.350	10.01	0.11
P-276	187	J-215	J-216	6.0	PVC	120.0	0.000	12.77	0.14
P-277	202	J-213	J-217	4.0	PVC	120.0	0.750	1.38	0.04
P-278	305	J-214	J-218	4.0	PVC	120.0	1.280	3.22	0.08
P-279	305	J-215	J-219	4.0	PVC	120.0	1.280	2.76	0.07
P-280	307	J-213	J-204	8.0	PVC	120.0	0.350	8.55	0.05
P-282	492	J-204	J-221	8.0	PVC	120.0	1.280	10.26	0.07
P-283	308	J-221	J-222	8.0	PVC	120.0	0.350	19.46	0.12
P-285	261	J-223	J-224	8.0	PVC	120.0	0.350	80.53	0.51
P-286	261	J-224	J-225	8.0	PVC	120.0	0.350	86.05	0.55
P-287	158	J-225	J-226	8.0	PVC	120.0	0.350	91.11	0.58
P-288	287	J-226	J-227	8.0	PVC	120.0	1.280	91.11	0.58
P-289	304	J-221	J-228	4.0	PVC	120.0	1.280	2.76	0.07
P-290	304	J-222	J-229	4.0	PVC	120.0	1.280	2.76	0.07
P-291	386	J-223	J-230	6.0	PVC	120.0	1.280	5.06	0.06
P-292	387	J-224	J-231	6.0	PVC	120.0	1.280	5.52	0.06
P-293	385	J-225	J-232	6.0	PVC	120.0	1.280	5.06	0.06
P-294	171	J-226	J-233	2.0	PVC	120.0	1.280	0.00	0.00
P-295	565	J-234	J-227	12.0	PVC	120.0	0.350	65.48	0.19
P-301	395	J-238	J-239	8.0	PVC	120.0	0.000	0.00	0.00
P-302	619	J-239	J-240	8.0	PVC	120.0	1.280	0.00	0.00
P-304	308	J-241	J-242	10.0	PVC	120.0	0.300	2.76	0.01
P-312	554	J-250	J-251	10.0	PVC	120.0	1.280	21.16	0.09
P-313	653	J-252	J-253	10.0	PVC	120.0	0.000	0.00	0.00
P-314	333	J-253	J-254	10.0	PVC	120.0	0.350	11.21	0.05
P-315	275	J-253	J-251	8.0	PVC	120.0	1.280	11.21	0.07
P-317	541	J-255	J-256	8.0	PVC	120.0	1.280	0.17	0.00
P-318	342	J-256	J-254	8.0	PVC	120.0	0.350	6.61	0.04
P-321	238	J-258	J-259	6.0	PVC	120.0	0.800	0.00	0.00
P-322	351	J-258	J-260	6.0	PVC	120.0	0.000	0.00	0.00
P-325	394	J-262	J-263	6.0	PVC	120.0	0.350	0.92	0.01
P-327	337	J-264	J-261	6.0	PVC	120.0	0.000	0.30	0.00
P-329	461	J-265	J-262	6.0	PVC	120.0	0.800	0.62	0.01
P-331	238	J-7	J-266	1.5	PVC	120.0	0.000	0.00	0.00
P-332	462	J-196	J-267	3.0	PVC	120.0	1.280	1.38	0.06
P-333	390	J-40	J-45	8.0	PVC	120.0	1.280	10.75	0.07
P-334	169	J-72	J-268	3.0	PVC	120.0	1.280	0.00	0.00
P-336	436	J-269	J-136	6.0	PVC	120.0	0.800	9.08	0.10
P-338	319	J-270	J-147	6.0	PVC	120.0	0.800	15.16	0.17
P-339	458	J-137	J-271	6.0	PVC	120.0	1.280	3.20	0.04
P-340	512	J-271	J-270	6.0	PVC	120.0	0.000	15.16	0.17
P-341	502	J-147	J-272	6.0	PVC	120.0	1.280	12.42	0.14
P-342	403	J-272	J-138	6.0	PVC	120.0	1.280	2.76	0.03
P-343	414	J-139	J-273	6.0	PVC	120.0	1.280	19.80	0.22
P-344	439	J-273	J-148	6.0	PVC	120.0	0.350	19.80	0.22
P-346	101	J-274	J-150	8.0	PVC	120.0	0.000	0.00	0.00
P-347	539	J-149	J-276	8.0	PVC	120.0	0.350	6.44	0.04
P-348	549	J-276	J-274	8.0	PVC	120.0	0.800	6.44	0.04
P-349	504	J-149	J-277	8.0	PVC	120.0	0.200	60.72	0.39
P-350	349	J-277	J-143	8.0	PVC	120.0	0.000	60.72	0.39
P-351	438	J-148	J-278	6.0	PVC	120.0	0.200	47.38	0.54
P-352	523	J-278	J-149	6.0	PVC	120.0	1.280	54.28	0.62
P-353	183	J-148	J-279	6.0	PVC	120.0	1.280	27.58	0.31
P-354	240	J-279	J-147	6.0	PVC	120.0	0.350	27.58	0.31
P-355	356	J-145	J-280	6.0	PVC	120.0	0.350	1.96	0.02
P-356	416	J-280	J-136	6.0	PVC	120.0	1.280	13.00	0.15
P-357	334	J-135	J-281	6.0	PVC	120.0	0.800	5.40	0.06
P-358	312	J-281	J-269	6.0	PVC	120.0	0.000	9.08	0.10
P-359	676	J-143	J-282	8.0	PVC	120.0	0.500	60.72	0.39
P-361	528	J-282	J-387	8.0	PVC	120.0	0.000	63.94	0.41
P-362	604	J-283	J-151	8.0	PVC	120.0	0.500	0.00	0.00
P-363	371	J-155	J-284	8.0	PVC	120.0	0.000	0.00	0.00
P-364	384	J-284	J-156	8.0	PVC	120.0	0.500	11.50	0.07
P-365	384	J-121	J-285	6.0	PVC	120.0	0.000	0.00	0.00
P-366	389	J-285	J-122	6.0	PVC	120.0	0.500	0.00	0.00

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-367	384	J-152	J-286	8.0	PVC	120.0	0.000	0.00	0.00
P-368	390	J-286	J-130	8.0	PVC	120.0	0.500	10.58	0.07
P-369	362	J-129	J-287	8.0	PVC	120.0	0.350	31.47	0.20
P-370	358	J-287	J-25	8.0	PVC	120.0	0.350	31.47	0.20
P-371	361	J-24	J-288	6.0	PVC	120.0	0.500	18.09	0.21
P-372	367	J-288	J-124	6.0	PVC	120.0	0.500	18.09	0.21
P-373	418	J-445	J-289	8.0	PVC	120.0	1.280	31.08	0.20
P-374	381	J-289	J-71	8.0	PVC	120.0	0.500	25.10	0.16
P-375	379	J-66	J-290	8.0	PVC	120.0	0.350	84.93	0.54
P-376	363	J-290	J-445	8.0	PVC	120.0	1.280	32.46	0.21
P-380	377	J-421	J-31	12.0	PVC	120.0	0.500	486.03	1.38
P-381	365	J-13	J-293	8.0	PVC	120.0	0.000	0.00	0.00
P-382	375	J-293	J-12	8.0	PVC	120.0	0.500	0.00	0.00
P-383	374	J-3	J-294	6.0	PVC	120.0	0.000	0.00	0.00
P-384	369	J-294	J-4	6.0	PVC	120.0	0.350	7.36	0.08
P-386	358	J-295	J-7	6.0	PVC	120.0	0.750	11.79	0.13
P-387	399	J-34	J-295	6.0	PVC	120.0	0.500	12.81	0.15
P-389	380	J-28	J-297	8.0	PVC	120.0	0.000	79.99	0.51
P-390	381	J-297	J-42	8.0	PVC	120.0	0.500	79.99	0.51
P-391	375	J-29	J-298	8.0	PVC	120.0	0.000	76.54	0.49
P-392	386	J-298	J-43	8.0	PVC	120.0	0.500	76.54	0.49
P-395	428	J-39	J-300	8.0	PVC	120.0	0.300	27.70	0.18
P-396	440	J-300	J-60	8.0	PVC	120.0	0.000	27.70	0.18
P-397	435	J-183	J-301	6.0	PVC	120.0	0.200	28.68	0.33
P-398	322	J-301	J-185	6.0	PVC	120.0	0.000	35.58	0.40
P-400	522	J-302	J-183	6.0	PVC	120.0	0.500	30.36	0.34
P-401	221	J-180	J-501	6.0	PVC	120.0	0.350	25.30	0.29
P-402	599	J-303	J-302	6.0	PVC	120.0	0.100	30.36	0.34
P-403	547	J-179	J-304	6.0	PVC	120.0	0.800	4.60	0.05
P-404	534	J-304	J-180	6.0	PVC	120.0	0.350	23.00	0.26
P-405	434	J-186	J-305	8.0	PVC	120.0	1.280	20.14	0.13
P-407	291	J-305	J-306	8.0	PVC	120.0	0.000	20.14	0.13
P-409	429	J-306	J-307	8.0	PVC	120.0	0.000	20.14	0.13
P-411	424	J-307	J-308	8.0	PVC	120.0	0.000	26.58	0.17
P-413	358	J-308	J-309	8.0	PVC	120.0	0.800	26.58	0.17
P-414	346	J-309	J-187	6.0	PVC	120.0	0.000	26.58	0.30
P-415	498	J-189	J-310	6.0	PVC	120.0	1.280	11.80	0.13
P-416	494	J-310	J-191	6.0	PVC	120.0	0.000	11.80	0.13
P-417	495	J-191	J-311	6.0	PVC	120.0	0.000	11.80	0.13
P-418	379	J-311	J-192	6.0	PVC	120.0	0.350	11.80	0.13
P-419	365	J-198	J-312	8.0	PVC	120.0	1.280	12.38	0.08
P-421	495	J-312	J-313	8.0	PVC	120.0	0.000	12.38	0.08
P-423	491	J-313	J-314	8.0	PVC	120.0	0.000	23.42	0.15
P-424	507	J-314	J-190	8.0	PVC	120.0	0.800	23.42	0.15
P-425	96	J-200	J-315	8.0	PVC	120.0	0.200	0.92	0.01
P-426	182	J-315	J-193	8.0	PVC	120.0	0.800	0.92	0.01
P-427	156	J-202	J-317	8.0	PVC	120.0	0.200	0.00	0.00
P-428	84	J-317	J-200	8.0	PVC	120.0	0.300	0.00	0.00
P-429	379	J-196	J-318	6.0	PVC	120.0	0.000	23.26	0.26
P-430	439	J-318	J-197	6.0	PVC	120.0	0.300	23.26	0.26
P-431	418	J-194	J-319	6.0	PVC	120.0	1.280	7.03	0.08
P-432	448	J-319	J-203	6.0	PVC	120.0	1.280	2.43	0.03
P-433	147	J-203	J-322	4.0	PVC	120.0	0.800	4.14	0.11
P-434	209	J-322	J-205	4.0	PVC	120.0	0.000	0.00	0.00
P-435	397	J-222	J-323	8.0	PVC	120.0	0.200	22.22	0.14
P-437	693	J-323	J-324	8.0	PVC	120.0	0.200	28.66	0.18
P-439	555	J-324	J-325	8.0	PVC	120.0	0.800	34.64	0.22
P-440	283	J-325	J-223	8.0	PVC	120.0	0.350	75.47	0.48
P-441	679	J-227	J-326	12.0	PVC	120.0	0.000	169.01	0.48
P-443	549	J-326	J-327	12.0	PVC	120.0	0.000	170.85	0.48
P-444	176	J-327	J-651	12.0	PVC	120.0	0.000	177.29	0.50
P-445	307	J-236	J-652	16.0	PVC	120.0	0.000	177.29	0.28
P-447(1)	262	J-328	J-1487	16.0	PVC	120.0	0.350	446.85	0.71
P-447(2)	227	J-1487	J-329	16.0	PVC	120.0	0.000	452.83	0.72
P-449	466	J-329	J-330	16.0	PVC	120.0	0.000	452.83	0.72
P-451	609	J-330	J-331	16.0	PVC	120.0	0.000	452.83	0.72
P-453	397	J-331	J-332	16.0	PVC	120.0	0.000	452.83	0.72
P-454	387	J-332	J-237	16.0	PVC	120.0	0.000	452.83	0.72
P-457	519	J-237	J-334	16.0	PVC	120.0	0.000	452.83	0.72
P-458	509	J-334	J-333	16.0	PVC	120.0	0.000	452.83	0.72
P-459	466	J-333	J-870	16.0	PVC	120.0	0.000	453.29	0.72
P-460	568	J-335	J-235	16.0	PVC	120.0	0.800	453.29	0.72
P-463	287	J-239	J-337	8.0	PVC	120.0	0.350	2.76	0.02
P-464	381	J-337	J-336	8.0	PVC	120.0	0.000	2.76	0.02
P-465	442	J-336	J-338	8.0	PVC	120.0	0.000	2.76	0.02
P-466	522	J-338	J-241	8.0	PVC	120.0	0.500	2.76	0.02
P-467	509	J-255	J-339	8.0	PVC	120.0	0.000	0.00	0.00
P-468	395	J-339	J-257	8.0	PVC	120.0	0.000	0.00	0.00
P-469	262	J-251	J-340	8.0	PVC	120.0	0.350	9.95	0.06
P-471	394	J-340	J-341	8.0	PVC	120.0	0.800	9.95	0.06
P-472	284	J-341	J-255	8.0	PVC	120.0	0.350	0.17	0.00
P-475	597	J-256	J-343	8.0	PVC	120.0	0.000	6.44	0.04
P-476	431	J-343	J-342	8.0	PVC	120.0	0.000	6.44	0.04
P-477	452	J-342	J-344	8.0	PVC	120.0	0.000	6.44	0.04
P-478	502	J-344	J-243	8.0	PVC	120.0	0.800	6.44	0.04
P-481	433	J-345	J-346	10.0	PVC	120.0	0.000	4.14	0.02

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-482	470	J-346	J-243	10.0	PVC	120.0	0.000	6.44	0.03
P-483	403	J-242	J-347	10.0	PVC	120.0	0.000	2.76	0.01
P-484	443	J-347	J-345	10.0	PVC	120.0	0.000	4.14	0.02
P-487	341	J-262	J-349	6.0	PVC	120.0	0.500	0.30	0.00
P-488	316	J-349	J-264	6.0	PVC	120.0	0.000	0.30	0.00
P-489	154	J-261	J-350	6.0	PVC	120.0	1.280	0.62	0.01
P-490	682	J-350	J-265	6.0	PVC	120.0	0.800	0.62	0.01
P-495	627	J-260	J-353	6.0	PVC	120.0	0.200	0.92	0.01
P-497	403	J-353	J-354	6.0	PVC	120.0	0.000	0.92	0.01
P-498	479	J-354	J-351	6.0	PVC	120.0	0.000	0.92	0.01
P-499	386	J-351	J-355	6.0	PVC	120.0	0.000	0.92	0.01
P-500	422	J-355	J-352	6.0	PVC	120.0	0.000	0.92	0.01
P-501	365	J-352	J-356	6.0	PVC	120.0	0.000	0.92	0.01
P-502	390	J-356	J-261	6.0	PVC	120.0	0.350	0.92	0.01
P-503	404	J-109	J-357	8.0	PVC	120.0	0.000	17.04	0.11
P-505	471	J-357	J-358	8.0	PVC	120.0	0.200	11.52	0.07
P-506	424	J-358	J-110	8.0	PVC	120.0	0.750	11.52	0.07
P-507	436	J-98	J-359	8.0	PVC	120.0	0.500	46.17	0.29
P-509	472	J-359	J-360	8.0	PVC	120.0	0.100	46.17	0.29
P-510	426	J-360	J-106	8.0	PVC	120.0	0.350	46.17	0.29
P-513	310	J-361	J-362	8.0	PVC	120.0	0.000	37.72	0.24
P-514	302	J-362	J-208	8.0	PVC	120.0	0.000	37.72	0.24
P-515	308	J-107	J-363	8.0	PVC	120.0	0.000	39.56	0.25
P-516	308	J-363	J-361	8.0	PVC	120.0	0.000	39.56	0.25
P-517	384	J-82	J-364	8.0	PVC	120.0	0.000	37.25	0.24
P-518	386	J-364	J-83	8.0	PVC	120.0	0.350	37.25	0.24
P-519	369	J-84	J-365	3.0	PVC	120.0	0.800	1.34	0.06
P-520	371	J-365	J-86	3.0	PVC	120.0	0.500	1.34	0.06
P-521	378	J-83	J-366	8.0	PVC	120.0	1.280	17.07	0.11
P-522	385	J-366	J-58	8.0	PVC	120.0	0.750	17.07	0.11
P-523	380	J-36	J-367	6.0	PVC	120.0	0.000	32.04	0.36
P-524	387	J-367	J-37	6.0	PVC	120.0	0.500	21.92	0.25
P-525	387	J-53	J-368	8.0	PVC	120.0	0.750	33.72	0.22
P-527	111	J-135	J-369	6.0	PVC	120.0	1.280	1.96	0.02
P-528	357	J-369	J-145	6.0	PVC	120.0	1.280	1.96	0.02
P-530	362	J-370	J-109	8.0	PVC	120.0	0.350	12.13	0.08
P-531	391	J-119	J-113	8.0	PVC	120.0	0.750	12.46	0.08
P-532	364	J-113	J-443	8.0	PVC	120.0	0.750	25.39	0.16
P-533	399	J-113	J-372	8.0	PVC	120.0	0.350	14.95	0.10
P-534	393	J-372	J-114	8.0	PVC	120.0	0.500	13.86	0.09
P-535	363	J-73	J-373	6.0	PVC	120.0	0.000	25.16	0.29
P-536	379	J-373	J-74	6.0	PVC	120.0	0.500	15.96	0.18
P-537	400	J-74	J-374	6.0	PVC	120.0	0.000	17.86	0.20
P-538	391	J-374	J-75	6.0	PVC	120.0	0.500	11.42	0.13
P-539	371	J-19	J-375	8.0	PVC	120.0	0.500	2.38	0.02
P-540	327	J-375	J-299	8.0	PVC	120.0	0.100	2.38	0.02
P-541	386	J-92	J-376	8.0	PVC	120.0	0.750	10.24	0.07
P-542	393	J-376	J-99	8.0	PVC	120.0	0.750	4.72	0.03
P-543	528	J-182	J-377	2.0	PVC	120.0	0.200	1.68	0.17
P-544	257	J-377	J-183	2.0	PVC	120.0	0.800	1.68	0.17
P-546	140	J-378	J-206	6.0	PVC	120.0	1.280	3.73	0.04
P-547	472	J-213	J-379	6.0	PVC	120.0	0.500	0.05	0.00
P-548	362	J-379	J-378	6.0	PVC	120.0	0.350	3.73	0.04
P-549	223	J-207	J-380	6.0	PVC	120.0	1.280	3.01	0.03
P-551	307	J-380	J-381	6.0	PVC	120.0	0.350	3.01	0.03
P-553	303	J-381	J-382	6.0	PVC	120.0	0.000	2.51	0.03
P-554	345	J-382	J-212	6.0	PVC	120.0	0.350	2.51	0.03
P-556	58	City Hill Tank	J-30	12.0	PVC	120.0	0.000	486.03	1.38
P-559	327	J-2	J-385	6.0	PVC	120.0	0.000	0.00	0.00
P-560	375	J-385	J-291	6.0	PVC	120.0	0.000	0.00	0.00
P-569(1)	41	J-283	PRV-13	8.0	PVC	120.0	0.000	(N/A)	(N/A)
P-569(2)	36	PRV-13	J-392	8.0	PVC	120.0	0.000	(N/A)	(N/A)
P-571	18	R-7	GPV-1	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-572	13	GPV-1	Well 3	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-573	16	Well 3	J-157	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-574	52	R-8	GPV-2	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-575	55	GPV-2	Well 1	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-576	49	Well 1	J-82	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-577	37	R-9	GPV-3	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-578	31	GPV-3	Well 2	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-579	26	Well 2	J-90	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-601	86	Airport GST	Airport-3	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-602	119	Airport-3	J-391	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-603	62	J-391	J-260	6.0	PVC	120.0	0.000	0.92	0.01
P-604	111	Airport GST	Airport-1	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-605	99	Airport-1	J-391	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-611	10	J-392	J-387	8.0	PVC	120.0	0.800	63.94	0.41
P-616	96	Airport GST	Airport-2	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-617	93	Airport-2	J-391	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-631	534	J-1409	J-241	10.0	PVC	120.0	0.000	0.00	0.00
P-690	371	J-291	J-51	6.0	PVC	120.0	0.500	0.00	0.00
P-692	354	J-30	J-421	12.0	PVC	120.0	0.800	486.03	1.38
P-717	62	J-23	J-426	8.0	PVC	120.0	0.350	0.00	0.00
P-718	66	J-426	J-157	8.0	PVC	120.0	1.280	(N/A)	(N/A)
P-741	389	J-431	J-370	8.0	PVC	120.0	0.000	18.57	0.12
P-742	391	J-125	J-431	6.0	PVC	120.0	1.280	2.78	0.03

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-743	399	J-129	J-431	8.0	PVC	120.0	0.350	21.35	0.14
P-748	385	J-66	J-51	8.0	PVC	120.0	0.750	98.41	0.63
P-750	162	J-290	J-158	8.0	PVC	120.0	0.350	52.47	0.33
P-751	375	J-21	J-168	6.0	PVC	120.0	0.000	23.13	0.26
P-763	381	J-444	J-372	12.0	PVC	120.0	1.280	9.49	0.03
P-766	192	J-31	J-52	8.0	PVC	120.0	0.750	143.93	0.92
P-789	111	J-72	J-435	6.0	PVC	120.0	0.350	4.76	0.05
P-790	397	J-435	J-73	6.0	PVC	120.0	0.500	4.76	0.05
P-791	124	J-304	J-469	6.0	PVC	120.0	1.280	18.40	0.21
P-792	359	J-154	J-153	6.0	PVC	120.0	0.800	0.00	0.00
P-794	384	J-160	J-162	8.0	PVC	120.0	0.500	14.85	0.09
P-795	394	J-124	J-129	6.0	PVC	120.0	1.280	6.90	0.08
P-796	379	J-113	J-171	8.0	PVC	120.0	0.500	2.02	0.01
P-797	391	J-443	J-444	8.0	PVC	120.0	0.350	29.34	0.19
P-798	401	J-444	J-102	8.0	PVC	120.0	0.500	19.85	0.13
P-799	377	J-32	J-12	8.0	PVC	120.0	0.750	69.94	0.45
P-809	38	J-299	J-436	2.0	PVC	120.0	0.000	2.38	0.24
P-810	432	J-436	J-79	2.0	PVC	120.0	0.500	2.38	0.24
P-813	150	J-368	J-441	8.0	PVC	120.0	0.000	33.72	0.22
P-814	227	J-441	J-63	8.0	PVC	120.0	1.280	33.72	0.22
P-815	90	J-81	J-439	8.0	PVC	120.0	0.000	78.68	0.50
P-816	80	J-439	J-79	8.0	PVC	120.0	0.000	78.68	0.50
P-889	51	J-507	J-250	12.0	PVC	120.0	0.000	21.16	0.06
P-890	13	J-507	T-28	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-891	21	R-16	PMP-24	16.0	PVC	120.0	0.000	0.00	0.00
P-892	30	PMP-24	Medina Valley Tank	16.0	PVC	120.0	0.000	0.00	0.00
P-895	16	J-508	PMP-26	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-896	12	PMP-26	J-509	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-897	26	J-508	PMP-27	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-898	18	PMP-27	J-509	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-903	13	J-509	J-507	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-904	14	Medina Valley Tank	J-508	16.0	PVC	120.0	0.000	476.29	0.76
P-905	11	J-508	PMP-25	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-907	16	PMP-25	J-509	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-910	345	J-507	J-235	16.0	PVC	120.0	0.800	455.13	0.73
P-927	13	J-507	T-29	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1424	14	J-509	J-1224	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1425	10	J-1224	T-28	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1426	11	J-1224	T-29	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1493	37	City Tank	J-392	12.0	PVC	120.0	0.000	63.94	0.18
P-1596	33	J-652	J-655	12.0	PVC	120.0	0.350	177.29	0.50
P-1616	906	J-208	J-464	8.0	PVC	120.0	0.000	37.72	0.24
P-1617	909	J-464	J-463	8.0	PVC	120.0	0.000	37.72	0.24
P-1618	271	J-463	J-1386	8.0	PVC	120.0	0.000	15.64	0.10
P-1619	242	J-1386	J-1293	8.0	PVC	120.0	0.000	15.64	0.10
P-1620	253	J-1293	J-462	8.0	PVC	120.0	0.000	15.64	0.10
P-1621	802	J-462	J-486	8.0	PVC	120.0	0.000	15.64	0.10
P-1622	556	J-486	J-455	6.0	PVC	120.0	0.000	11.04	0.13
P-1623	102	J-455	J-456	6.0	PVC	120.0	0.000	11.04	0.13
P-1624	306	J-456	J-465	4.0	PVC	120.0	0.200	11.04	0.28
P-1625	377	J-465	J-448	4.0	PVC	120.0	0.000	6.44	0.16
P-1626	271	J-448	J-466	4.0	PVC	120.0	0.000	6.44	0.16
P-1627	345	J-466	J-458	4.0	PVC	120.0	0.350	6.44	0.16
P-1628	357	J-458	J-468	4.0	PVC	120.0	0.000	3.68	0.09
P-1630	369	J-468	J-460	4.0	PVC	120.0	0.000	3.68	0.09
P-1631	313	J-460	J-461	4.0	PVC	120.0	0.800	3.68	0.09
P-1632	250	J-458	J-459	4.0	PVC	120.0	1.280	2.76	0.07
P-1633	390	J-188	J-234	10.0	PVC	120.0	0.000	61.80	0.25
P-1634	419	J-501	J-303	6.0	PVC	120.0	0.000	25.30	0.29
P-1635	489	J-651	J-236	16.0	PVC	120.0	0.000	177.29	0.28
P-1636	172	J-655	J-328	16.0	PVC	120.0	0.000	446.85	0.71
P-1637	106	J-870	J-335	16.0	PVC	120.0	0.000	453.29	0.72
P-1640	689	J-655	J-1446	16.0	PVC	120.0	1.280	269.56	0.43
P-1647	892	J-1446	J-1447	16.0	PVC	120.0	0.100	269.56	0.43
P-1648	98	J-1447	J-1464	16.0	PVC	120.0	0.000	269.56	0.43
P-1649	138	J-1464	J-1448	16.0	PVC	120.0	0.050	269.56	0.43
P-1650	328	J-1448	J-1449	16.0	PVC	120.0	0.050	269.56	0.43
P-1651	270	J-1449	J-1465	16.0	PVC	120.0	1.280	269.56	0.43
P-1652	458	J-1466	J-1465	8.0	PVC	120.0	0.350	134.78	0.86
P-1653	516	J-1465	J-1649	8.0	PVC	120.0	0.350	134.78	0.86
P-1654(1)	382	J-1484	J-1498	12.0	PVC	120.0	0.350	0.00	0.00
P-1654(2)	609	J-1498	J-1485	12.0	PVC	120.0	0.000	0.00	0.00
P-1655	183	J-1498	J-1487	12.0	PVC	120.0	1.280	5.98	0.02
P-1660	189	Airport GST	J-391	12.0	PVC	120.0	0.000	0.92	0.00
P-1661	31	J-508	J-507	16.0	PVC	120.0	0.000	476.29	0.76
P-1823	570	J-216	J-1472	8.0	PVC	120.0	0.800	12.77	0.08
P-1824	380	J-1472	J-1473	8.0	PVC	120.0	0.200	12.77	0.08
P-1825	297	J-1473	J-1474	8.0	PVC	120.0	0.050	12.77	0.08
P-1826	124	J-1474	J-1475	8.0	PVC	120.0	0.100	12.77	0.08
P-1827	519	J-1475	J-1476	8.0	PVC	120.0	0.800	37.61	0.24
P-1828	287	J-1476	J-325	8.0	PVC	120.0	0.000	37.61	0.24

FlexTable: Junction Table

Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-2	868.92	0.00	931.13	26.92
J-3	756.96	0.00	931.20	75.39
J-4	753.28	0.00	931.21	76.98
J-5	754.47	4.14	931.19	76.46
J-6	752.64	0.00	931.09	77.21
J-7	754.00	5.52	930.99	76.57
J-9	756.71	0.00	930.95	75.39
J-10	757.33	5.06	930.93	75.11
J-11	737.39	0.00	931.09	83.81
J-12	756.69	12.88	931.23	75.51
J-13	774.11	0.00	931.23	67.98
J-14	756.47	0.00	931.21	75.60
J-15	757.63	0.00	931.21	75.10
J-16	758.80	0.00	931.21	74.59
J-17	762.03	0.00	931.24	73.21
J-18	769.12	0.00	931.11	70.09
J-19	782.35	14.26	931.01	64.32
J-20	780.09	8.28	930.92	65.25
J-21	774.31	0.00	930.89	67.74
J-22	773.51	17.02	930.85	68.07
J-23	773.00	0.00	930.83	68.29
J-24	772.00	7.36	930.81	68.71
J-25	770.80	5.06	930.80	69.23
J-26	756.00	0.00	931.09	75.75
J-27	757.00	12.42	931.09	75.32
J-28	760.87	0.00	931.09	73.65
J-29	766.90	9.20	931.08	71.03
J-30	907.43	0.00	931.95	10.61
J-31	779.79	0.00	931.35	65.57
J-32	764.44	0.00	931.29	72.19
J-33	759.68	0.00	931.21	74.21
J-34	756.23	0.00	930.99	75.61
J-36	757.00	0.00	930.89	75.23
J-37	758.00	0.00	930.80	74.76
J-38	759.34	7.82	930.77	74.17
J-39	761.11	0.00	930.75	73.40
J-40	756.24	5.98	930.94	75.58
J-41	757.00	0.00	930.94	75.26
J-42	757.00	0.00	930.94	75.26
J-43	762.38	13.80	930.94	72.93
J-45	755.84	6.90	930.94	75.76
J-48	756.66	3.22	930.93	75.40
J-50	757.01	0.00	930.93	75.25
J-51	782.22	0.00	931.13	64.43
J-52	791.57	8.28	931.23	60.42
J-53	756.81	5.52	930.88	75.31
J-54	757.00	0.00	930.84	75.21
J-55	758.00	0.00	930.81	74.76
J-58	760.00	0.00	930.77	73.88
J-59	761.00	11.50	930.75	73.44
J-60	760.84	0.00	930.73	73.50
J-61	757.84	0.00	930.80	74.84
J-62	756.87	0.00	930.88	75.29
J-63	759.00	0.00	930.85	74.35
J-65	757.00	0.00	930.94	75.25
J-66	784.61	0.00	931.02	63.35
J-68	807.49	1.38	930.92	53.40
J-69	811.45	0.00	930.92	51.69
J-71	789.74	0.00	930.89	61.07
J-72	764.83	24.84	930.84	71.82
J-73	761.00	0.00	930.83	73.48
J-74	760.00	0.00	930.78	73.89
J-75	760.00	0.00	930.76	73.88
J-79	762.45	0.00	930.90	72.88
J-80	766.50	0.00	930.86	71.11
J-81	761.13	0.00	930.86	73.43
J-82	759.74	0.00	930.80	74.01
J-83	760.00	16.10	930.76	73.88
J-84	760.00	0.00	930.76	73.88
J-85	762.11	16.56	930.75	72.96
J-86	761.50	0.00	930.75	73.22
J-88	760.85	0.00	930.75	73.51
J-89	762.38	0.00	930.75	72.84
J-90	762.67	(N/A)	(N/A)	(N/A)
J-92	762.00	0.00	930.74	73.01
J-93	762.27	3.68	930.74	72.89
J-94	761.00	0.00	930.74	73.44
J-95	761.13	3.68	930.74	73.38
J-96	738.68	0.00	930.74	83.10
J-97	761.64	0.00	930.74	73.16
J-98	763.00	0.00	930.71	72.56
J-99	764.00	0.00	930.74	72.14
J-100	764.00	0.00	930.74	72.14
J-101	764.03	0.00	930.74	72.13
J-102	760.79	0.00	930.75	73.54
J-103	761.63	19.32	930.74	73.17
J-104	760.95	0.00	930.74	73.46

FlexTable: Junction Table

Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-105	764.00	5.06	930.73	72.14
J-106	783.65	11.04	930.61	63.58
J-107	786.75	0.00	930.61	62.24
J-109	765.72	0.00	930.76	71.40
J-110	765.00	7.82	930.75	71.71
J-111	763.23	0.00	930.75	72.48
J-112	764.26	6.44	930.74	72.03
J-113	763.00	0.00	930.76	72.58
J-114	762.00	0.00	930.76	73.01
J-115	763.22	0.00	930.75	72.49
J-116	765.00	0.00	930.75	71.71
J-117	765.45	0.00	930.75	71.52
J-118	765.00	0.00	930.76	71.72
J-119	762.87	0.00	930.76	72.64
J-120	765.86	11.96	930.75	71.34
J-121	804.38	0.00	930.81	54.70
J-122	783.85	0.00	930.81	63.58
J-123	783.85	0.00	930.81	63.58
J-124	766.00	9.66	930.77	71.29
J-125	765.00	0.00	930.77	71.72
J-126	763.00	0.00	930.76	72.58
J-127	764.12	0.00	930.76	72.10
J-129	764.87	3.22	930.77	71.78
J-130	780.79	0.00	930.80	64.90
J-131	780.16	0.00	930.80	65.18
J-132	790.00	0.00	930.80	60.92
J-133	788.00	7.36	1,029.73	104.58
J-134	789.10	0.00	1,029.73	104.11
J-135	792.83	0.00	1,029.73	102.50
J-136	814.48	0.00	1,029.74	93.13
J-137	826.14	0.00	1,029.77	88.10
J-138	837.92	0.00	1,029.79	83.01
J-139	854.06	0.00	1,029.80	76.03
J-141	865.41	3.68	1,029.80	71.12
J-142	849.01	0.00	1,030.30	78.43
J-143	850.99	0.00	1,030.30	77.58
J-144	852.89	0.00	1,030.30	76.75
J-145	805.20	0.00	1,029.73	97.15
J-146	803.40	0.00	1,029.73	97.92
J-147	822.90	0.00	1,029.80	89.52
J-148	850.84	0.00	1,029.85	77.45
J-149	884.73	0.00	1,030.19	62.94
J-150	935.05	0.00	1,030.19	41.16
J-151	785.98	0.00	930.85	62.68
J-152	802.00	0.00	930.80	55.73
J-153	779.54	0.00	930.80	65.44
J-154	775.15	2.76	930.80	67.34
J-155	807.58	0.00	930.83	53.32
J-156	784.92	0.00	930.83	63.13
J-157	773.56	(N/A)	(N/A)	(N/A)
J-158	789.03	0.00	930.92	61.39
J-159	765.93	0.00	930.77	71.32
J-160	762.11	11.50	930.76	72.97
J-162	763.86	0.00	930.77	72.21
J-163	766.24	0.00	930.77	71.18
J-165	763.00	5.98	930.77	72.58
J-166	761.90	0.00	930.79	73.07
J-167	764.88	0.00	930.84	71.80
J-168	766.55	0.00	930.86	71.09
J-169	765.91	0.00	930.84	71.36
J-170	765.73	0.00	930.77	71.40
J-171	762.36	8.74	930.76	72.86
J-172	763.00	0.00	930.76	72.58
J-173	761.00	0.00	930.76	73.45
J-174	760.36	0.00	930.78	73.73
J-175	742.22	0.00	930.75	81.57
J-176	753.87	4.60	930.04	76.22
J-177	756.00	0.00	930.22	75.38
J-178	755.00	0.00	930.22	75.81
J-179	756.00	0.00	930.29	75.41
J-180	757.28	0.00	930.33	74.87
J-181	756.51	2.30	930.25	75.17
J-182	759.32	7.36	930.65	74.13
J-183	769.88	0.00	930.54	69.51
J-184	780.48	0.00	930.54	64.92
J-185	764.04	0.00	930.65	72.08
J-186	764.38	3.22	930.69	71.96
J-187	787.66	0.00	930.77	61.92
J-188	786.80	0.00	930.92	62.36
J-189	787.86	0.00	930.73	61.81
J-190	794.65	0.00	930.71	58.87
J-191	788.24	0.00	930.71	61.64
J-192	767.62	0.00	930.69	70.55
J-193	766.56	0.00	930.69	71.01
J-194	769.88	0.00	930.61	69.54
J-196	769.96	0.00	930.62	69.51
J-197	766.35	0.00	930.68	71.10

FlexTable: Junction Table

Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-198	766.22	0.00	930.68	71.16
J-199	765.97	0.00	930.68	71.26
J-200	765.07	0.92	930.68	71.66
J-201	763.00	0.00	930.68	72.55
J-202	766.71	0.00	930.68	70.94
J-203	784.40	0.00	930.61	63.26
J-204	784.30	0.00	930.61	63.30
J-205	785.00	0.00	930.60	63.00
J-206	777.79	0.00	930.61	66.12
J-207	783.05	0.00	930.61	63.84
J-208	796.75	0.00	930.54	57.89
J-209	789.80	3.68	930.61	60.92
J-210	770.11	0.00	930.61	69.44
J-211	795.05	0.00	930.61	58.65
J-212	785.16	0.00	930.61	62.93
J-213	784.19	5.52	930.61	63.35
J-214	784.00	5.98	930.61	63.43
J-215	782.38	0.00	930.61	64.13
J-216	781.47	0.00	930.62	64.53
J-217	784.00	1.38	930.61	63.43
J-218	783.00	3.22	930.60	63.86
J-219	782.00	2.76	930.61	64.30
J-221	782.43	6.44	930.61	64.11
J-222	781.43	0.00	930.61	64.55
J-223	777.49	0.00	930.72	66.30
J-224	779.13	0.00	930.77	65.61
J-225	780.95	0.00	930.83	64.85
J-226	781.68	0.00	930.87	64.55
J-227	783.10	12.42	930.95	63.97
J-228	783.73	2.76	930.61	63.55
J-229	782.78	2.76	930.61	63.96
J-230	780.52	5.06	930.72	64.98
J-231	787.09	5.52	930.77	62.16
J-232	792.98	5.06	930.83	59.64
J-233	784.52	0.00	930.87	63.32
J-234	785.73	3.68	930.94	62.82
J-235	772.34	1.84	931.93	69.04
J-236	778.00	0.00	931.12	66.25
J-237	768.50	0.00	931.56	70.55
J-238	770.53	0.00	931.98	69.85
J-239	769.23	2.76	931.98	70.41
J-240	767.53	0.00	931.98	71.15
J-241	763.05	0.00	931.98	73.09
J-242	762.97	0.00	931.98	73.12
J-243	759.76	0.00	931.98	74.51
J-250	769.68	0.00	931.99	70.23
J-251	767.29	0.00	931.99	71.26
J-252	770.05	0.00	931.99	70.06
J-253	767.63	0.00	931.99	71.11
J-254	766.80	4.60	931.99	71.47
J-255	765.00	0.00	931.99	72.25
J-256	765.16	0.00	931.99	72.18
J-257	762.83	0.00	931.99	73.18
J-258	771.60	0.00	932.00	69.40
J-259	769.94	0.00	932.00	70.12
J-260	769.58	0.00	932.00	70.27
J-261	761.47	0.00	932.00	73.78
J-262	759.41	0.00	932.00	74.67
J-263	761.00	0.92	932.00	73.98
J-264	761.00	0.00	932.00	73.98
J-265	760.27	0.00	932.00	74.30
J-266	757.85	0.00	930.99	74.91
J-267	760.91	1.38	930.61	73.42
J-268	764.86	0.00	930.84	71.81
J-269	802.53	0.00	1,029.74	98.30
J-270	814.36	0.00	1,029.79	93.20
J-271	817.10	11.96	1,029.77	92.01
J-272	830.89	9.66	1,029.79	86.06
J-273	854.25	0.00	1,029.82	75.96
J-274	932.55	6.44	1,030.19	42.25
J-276	907.96	0.00	1,030.19	52.89
J-277	867.37	0.00	1,030.25	70.47
J-278	848.29	6.90	1,029.98	78.61
J-279	832.40	0.00	1,029.83	85.42
J-280	808.19	11.04	1,029.73	95.85
J-281	800.67	3.68	1,029.73	99.11
J-282	826.29	3.22	1,030.38	88.30
J-283	807.55	0.00	930.85	53.35
J-284	798.34	11.50	930.83	57.32
J-285	794.20	0.00	930.81	59.10
J-286	791.55	10.58	930.80	60.25
J-287	770.97	0.00	930.79	69.14
J-288	769.75	0.00	930.79	69.68
J-289	802.32	5.98	930.90	55.63
J-290	789.08	0.00	930.93	61.37
J-291	822.29	0.00	931.13	47.09
J-293	766.95	0.00	931.23	71.08

FlexTable: Junction Table

Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-294	754.23	7.36	931.20	76.57
J-295	755.00	0.00	930.98	76.14
J-297	759.11	0.00	931.02	74.38
J-298	769.62	0.00	931.01	69.83
J-299	769.00	0.00	931.01	70.10
J-300	725.00	0.00	930.74	89.01
J-301	767.16	6.90	930.60	70.71
J-302	759.31	0.00	930.47	74.05
J-303	759.00	5.06	930.39	74.15
J-304	755.56	0.00	930.29	75.60
J-305	779.19	0.00	930.70	65.55
J-306	788.48	0.00	930.70	61.53
J-307	788.55	6.44	930.71	61.51
J-308	787.07	0.00	930.72	62.15
J-309	785.65	0.00	930.73	62.77
J-310	787.81	0.00	930.72	61.83
J-311	779.53	0.00	930.69	65.40
J-312	778.19	0.00	930.69	65.98
J-313	785.90	11.04	930.69	62.64
J-314	787.00	0.00	930.70	62.17
J-315	768.00	0.00	930.68	70.39
J-317	767.77	0.00	930.68	70.48
J-318	767.06	0.00	930.65	70.77
J-319	783.02	4.60	930.61	63.86
J-322	785.00	4.14	930.60	63.00
J-323	779.72	6.44	930.62	65.29
J-324	778.17	5.98	930.64	65.97
J-325	776.29	3.22	930.67	66.79
J-326	781.97	1.84	931.03	64.49
J-327	777.41	6.44	931.09	66.49
J-328	776.11	0.00	931.16	67.08
J-329	773.32	0.00	931.25	68.33
J-330	770.03	0.00	931.33	69.79
J-331	764.47	0.00	931.43	72.24
J-332	766.17	0.00	931.49	71.53
J-333	773.00	0.46	931.73	68.67
J-334	771.22	0.00	931.64	69.41
J-335	773.00	0.00	931.83	68.72
J-336	767.04	0.00	931.98	71.36
J-337	768.31	0.00	931.98	70.81
J-338	765.63	0.00	931.98	71.97
J-339	764.11	0.00	931.99	72.63
J-340	767.51	0.00	931.99	71.16
J-341	766.52	10.12	931.99	71.59
J-342	761.87	0.00	931.98	73.60
J-343	763.68	0.00	931.98	72.82
J-344	761.00	0.00	931.98	73.98
J-345	762.48	0.00	931.98	73.33
J-346	761.47	2.30	931.98	73.77
J-347	763.07	1.38	931.98	73.08
J-349	760.66	0.00	932.00	74.13
J-350	761.01	0.00	932.00	73.98
J-351	765.11	0.00	932.00	72.21
J-352	764.26	0.00	932.00	72.57
J-353	767.56	0.00	932.00	71.15
J-354	766.48	0.00	932.00	71.61
J-355	764.51	0.00	932.00	72.47
J-356	762.57	0.00	932.00	73.31
J-357	767.08	5.52	930.76	70.81
J-358	763.14	0.00	930.75	72.52
J-359	732.00	0.00	930.67	85.96
J-360	766.71	0.00	930.64	70.92
J-361	793.03	1.84	930.57	59.51
J-362	795.08	0.00	930.56	58.61
J-363	790.96	0.00	930.59	60.41
J-364	761.00	0.00	930.78	73.46
J-365	759.00	0.00	930.75	74.31
J-366	759.00	0.00	930.76	74.31
J-367	757.00	10.12	930.83	75.21
J-368	757.67	0.00	930.86	74.93
J-369	796.46	0.00	1,029.73	100.93
J-370	764.19	6.44	930.76	72.07
J-372	764.00	10.58	930.76	72.15
J-373	760.05	9.20	930.80	73.87
J-374	762.31	6.44	930.76	72.88
J-375	779.95	0.00	931.01	65.36
J-376	763.00	5.52	930.74	72.57
J-377	761.04	0.00	930.58	73.35
J-378	782.47	0.00	930.61	64.09
J-379	785.00	3.68	930.61	63.00
J-380	787.73	0.00	930.61	61.82
J-381	787.55	5.52	930.61	61.89
J-382	786.57	0.00	930.61	62.32
J-385	864.99	0.00	931.13	28.62
J-387	809.56	0.00	1,030.45	95.57
J-391	769.00	0.00	932.00	70.52
J-392	808.99	0.00	1,030.45	95.81

FlexTable: Junction Table

Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-421	852.76	0.00	931.66	34.13
J-426	773.76	0.00	930.83	67.96
J-431	764.00	0.00	930.77	72.15
J-435	764.04	0.00	930.84	72.16
J-436	768.68	0.00	931.00	70.23
J-439	762.11	0.00	930.88	73.02
J-441	759.57	0.00	930.86	74.11
J-443	761.00	0.00	930.77	73.45
J-444	763.00	0.00	930.76	72.58
J-445	797.55	0.00	930.92	57.70
J-448	808.93	0.00	930.36	52.54
J-455	784.91	0.00	930.43	62.96
J-456	788.01	0.00	930.43	61.62
J-458	818.10	0.00	930.33	48.55
J-459	825.00	2.76	930.32	45.57
J-460	814.71	0.00	930.31	50.02
J-461	813.75	3.68	930.31	50.43
J-462	783.00	0.00	930.45	63.79
J-463	795.45	22.08	930.45	58.41
J-464	801.02	0.00	930.50	56.02
J-465	804.18	4.60	930.38	54.60
J-466	810.63	0.00	930.34	51.80
J-468	816.55	0.00	930.32	49.22
J-469	757.85	18.40	930.28	74.60
J-486	782.56	4.60	930.44	63.98
J-501	757.97	0.00	930.35	74.58
J-507	769.85	0.00	931.99	70.15
J-508	769.60	0.00	932.00	70.26
J-509	769.78	(N/A)	(N/A)	(N/A)
J-651	776.33	0.00	931.11	66.96
J-652	777.13	0.00	931.13	66.63
J-655	777.00	0.00	931.14	66.69
J-870	773.00	0.00	931.81	68.71
J-1224	769.83	(N/A)	(N/A)	(N/A)
J-1293	786.19	0.00	930.45	62.42
J-1386	790.84	0.00	930.45	60.40
J-1409	764.00	0.00	931.98	72.68
J-1446	772.40	0.00	931.09	68.66
J-1447	772.41	0.00	931.03	68.63
J-1448	773.84	0.00	931.02	68.00
J-1449	774.45	0.00	931.00	67.73
J-1464	773.26	0.00	931.03	68.26
J-1465	775.11	0.00	930.97	67.44
J-1466	778.27	134.78	930.73	65.96
J-1472	784.82	0.00	930.62	63.08
J-1473	779.30	0.00	930.62	65.47
J-1474	777.97	0.00	930.63	66.05
J-1475	777.71	24.84	930.63	66.16
J-1476	777.35	0.00	930.65	66.33
J-1484	773.00	0.00	931.21	68.45
J-1485	770.00	0.00	931.21	69.75
J-1487	774.65	0.00	931.21	67.74
J-1498	772.00	5.98	931.21	68.88
J-1649	772.19	134.78	930.70	68.58

EXISTING SYSTEM
PHF RESULTS

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-2	400	J-4	J-5	6.0	PVC	120.0	0.350	42.90	0.49
P-3	372	J-5	J-6	6.0	PVC	120.0	0.500	144.30	1.64
P-4	406	J-6	J-7	6.0	PVC	120.0	0.500	141.26	1.60
P-6	362	J-7	J-9	6.0	PVC	120.0	0.350	84.92	0.96
P-7	385	J-9	J-10	6.0	PVC	120.0	0.800	52.77	0.60
P-8	595	J-6	J-11	8.0	PVC	120.0	0.000	0.00	0.00
P-9	388	J-12	J-4	6.0	PVC	120.0	1.280	66.90	0.76
P-11	399	J-12	J-14	8.0	PVC	120.0	1.280	119.27	0.76
P-12	388	J-5	J-14	8.0	PVC	120.0	1.280	114.90	0.73
P-13	186	J-14	J-15	8.0	PVC	120.0	0.350	4.37	0.03
P-14	180	J-15	J-16	8.0	PVC	120.0	0.000	4.39	0.03
P-15	395	J-16	J-17	8.0	PVC	120.0	0.750	161.09	1.03
P-16	374	J-17	J-18	8.0	PVC	120.0	0.750	347.34	2.22
P-17	388	J-18	J-19	8.0	PVC	120.0	0.750	294.62	1.88
P-18	400	J-19	J-20	8.0	PVC	120.0	0.750	284.10	1.81
P-19	394	J-20	J-21	8.0	PVC	120.0	0.350	160.78	1.03
P-20	379	J-21	J-22	8.0	PVC	120.0	0.750	162.03	1.03
P-21	373	J-22	J-23	8.0	PVC	120.0	0.350	138.31	0.88
P-22	377	J-23	J-24	8.0	PVC	120.0	0.750	131.71	0.84
P-23	393	J-24	J-25	8.0	PVC	120.0	1.280	77.53	0.49
P-24	375	J-15	J-26	2.0	PVC	120.0	1.280	8.75	0.89
P-25	571	J-26	J-6	8.0	PVC	120.0	0.750	3.04	0.02
P-26	184	J-26	J-27	8.0	PVC	120.0	0.350	11.79	0.08
P-27	393	J-27	J-28	8.0	PVC	120.0	0.750	12.26	0.08
P-28	377	J-28	J-29	8.0	PVC	120.0	1.280	105.38	0.67
P-30	387	J-31	J-17	12.0	PVC	120.0	0.500	886.91	2.52
P-31	385	J-31	J-32	8.0	PVC	120.0	0.350	228.17	1.46
P-32	147	J-33	J-16	6.0	PVC	120.0	0.500	0.00	0.00
P-33	376	J-16	J-27	6.0	PVC	120.0	0.500	156.71	1.78
P-34	404	J-27	J-34	6.0	PVC	120.0	0.350	140.26	1.59
P-35	354	J-34	J-40	6.0	PVC	120.0	0.350	98.57	1.12
P-36	392	J-40	J-36	6.0	PVC	120.0	0.500	98.66	1.12
P-38	387	J-37	J-38	6.0	PVC	120.0	0.350	81.75	0.93
P-39	371	J-38	J-39	6.0	PVC	120.0	0.200	56.88	0.65
P-41	371	J-40	J-41	8.0	PVC	120.0	1.280	15.32	0.10
P-42	27	J-41	J-42	8.0	PVC	120.0	0.350	9.41	0.06
P-43	379	J-42	J-43	8.0	PVC	120.0	0.750	44.22	0.28
P-45	366	J-45	J-295	6.0	PVC	120.0	1.280	80.03	0.91
P-47	360	J-9	J-45	6.0	PVC	120.0	1.280	32.15	0.36
P-48	389	J-45	J-48	6.0	PVC	120.0	0.500	54.77	0.62
P-50	398	J-36	J-48	6.0	PVC	120.0	0.750	80.54	0.91
P-52	358	J-48	J-10	6.0	PVC	120.0	0.000	36.27	0.41
P-53	356	J-48	J-50	2.0	PVC	120.0	0.000	0.00	0.00
P-55	388	J-51	J-18	8.0	PVC	120.0	0.500	121.37	0.77
P-56	185	J-51	J-52	8.0	PVC	120.0	0.000	441.86	2.82
P-57	376	J-17	J-28	8.0	PVC	120.0	0.500	378.47	2.42
P-59	389	J-42	J-53	8.0	PVC	120.0	0.500	226.02	1.44
P-60	381	J-53	J-54	8.0	PVC	120.0	0.000	178.78	1.14
P-61	384	J-54	J-55	8.0	PVC	120.0	0.350	178.78	1.14
P-62	404	J-55	J-58	8.0	PVC	120.0	0.500	168.52	1.08
P-64	386	J-58	J-59	8.0	PVC	120.0	1.280	112.17	0.72
P-65	390	J-59	J-39	8.0	PVC	120.0	0.500	32.99	0.21
P-67	338	J-37	J-61	6.0	PVC	120.0	0.750	0.00	0.00
P-69	375	J-55	J-37	6.0	PVC	120.0	1.280	10.25	0.12
P-70	391	J-58	J-38	2.0	PVC	120.0	1.280	0.63	0.06
P-71	362	J-36	J-62	8.0	PVC	120.0	0.750	74.71	0.48
P-72	29	J-62	J-53	8.0	PVC	120.0	0.350	80.62	0.51
P-75	340	J-43	J-65	6.0	PVC	120.0	0.000	0.00	0.00
P-76	376	J-18	J-29	8.0	PVC	120.0	0.350	174.09	1.11
P-78	383	J-66	J-19	8.0	PVC	120.0	1.280	43.75	0.28
P-80	221	J-43	J-79	8.0	PVC	120.0	0.750	248.69	1.59
P-82	389	J-41	J-62	2.0	PVC	120.0	1.280	5.91	0.60
P-83	132	J-68	J-69	6.0	PVC	120.0	0.800	0.00	0.00
P-85	384	J-445	J-68	8.0	PVC	120.0	0.350	4.50	0.03
P-87	389	J-71	J-21	8.0	PVC	120.0	0.500	76.65	0.49
P-88	626	J-20	J-72	6.0	PVC	120.0	1.280	96.32	1.09
P-97	393	J-73	J-81	8.0	PVC	120.0	0.750	150.26	0.96
P-99	299	J-80	J-81	3.0	PVC	120.0	0.500	0.00	0.00
P-100	369	J-81	J-63	8.0	PVC	120.0	0.350	106.19	0.68
P-101	366	J-63	J-82	8.0	PVC	120.0	0.350	216.05	1.38
P-103	20	J-83	J-84	8.0	PVC	120.0	0.500	124.54	0.79
P-104	369	J-84	J-85	8.0	PVC	120.0	1.280	78.90	0.50
P-107	374	J-59	J-86	8.0	PVC	120.0	0.350	41.68	0.27
P-109	390	J-86	J-85	8.0	PVC	120.0	0.750	15.74	0.10
P-110	389	J-85	J-88	8.0	PVC	120.0	1.280	9.16	0.06
P-111	368	J-88	J-75	8.0	PVC	120.0	0.350	67.47	0.43
P-112	390	J-75	J-84	8.0	PVC	120.0	0.750	41.29	0.26
P-113	214	J-86	J-89	8.0	PVC	120.0	0.350	61.77	0.39
P-114	166	J-89	J-90	8.0	PVC	120.0	1.280	(N/A)	(N/A)
P-115	178	J-89	J-92	8.0	PVC	120.0	0.500	61.77	0.39
P-116	157	J-92	J-93	8.0	PVC	120.0	0.500	16.19	0.10
P-117	284	J-94	J-95	6.0	PVC	120.0	0.000	0.00	0.00
P-118	491	J-95	J-96	2.0	PVC	120.0	1.280	0.00	0.00
P-119	220	J-95	J-97	6.0	PVC	120.0	0.350	12.00	0.14
P-120	282	J-97	J-93	2.0	PVC	120.0	0.300	0.19	0.02
P-121	432	J-93	J-98	2.0	PVC	120.0	0.300	4.38	0.45

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-122	209	J-97	J-92	8.0	PVC	120.0	0.500	12.19	0.08
P-125	387	J-99	J-100	8.0	PVC	120.0	0.000	4.65	0.03
P-126	34	J-100	J-101	8.0	PVC	120.0	1.280	27.64	0.18
P-127	371	J-102	J-103	8.0	PVC	120.0	0.350	95.29	0.61
P-128	377	J-103	J-100	8.0	PVC	120.0	0.800	32.29	0.21
P-129	291	J-103	J-104	8.0	PVC	120.0	1.280	0.00	0.00
P-130	384	J-88	J-99	8.0	PVC	120.0	0.500	76.63	0.49
P-131	213	J-99	J-105	8.0	PVC	120.0	0.500	96.68	0.62
P-132	421	J-105	J-98	8.0	PVC	120.0	0.300	145.68	0.93
P-134	107	J-106	J-107	8.0	PVC	120.0	0.500	102.06	0.65
P-137	420	J-110	J-111	8.0	PVC	120.0	0.300	29.41	0.19
P-138	420	J-111	J-112	8.0	PVC	120.0	0.300	56.74	0.36
P-139	417	J-112	J-101	8.0	PVC	120.0	0.000	37.86	0.24
P-141	444	J-101	J-105	8.0	PVC	120.0	0.350	65.50	0.42
P-143	606	J-114	J-112	2.0	PVC	120.0	0.500	2.12	0.22
P-144	400	J-114	J-102	6.0	PVC	120.0	0.750	19.86	0.23
P-145	380	J-102	J-75	6.0	PVC	120.0	0.750	11.02	0.13
P-146	379	J-114	J-115	6.0	PVC	120.0	0.750	23.09	0.26
P-147	292	J-115	J-116	6.0	PVC	120.0	0.750	18.51	0.21
P-148	89	J-116	J-117	6.0	PVC	120.0	1.280	18.51	0.21
P-149	429	J-111	J-115	6.0	PVC	120.0	0.500	27.33	0.31
P-150	387	J-115	J-118	6.0	PVC	120.0	0.500	22.75	0.26
P-151	406	J-118	J-119	6.0	PVC	120.0	0.350	24.48	0.28
P-152	372	J-118	J-120	2.0	PVC	120.0	1.280	1.73	0.18
P-154	9	J-122	J-123	6.0	PVC	120.0	0.750	84.73	0.96
P-155	381	J-122	J-24	6.0	PVC	120.0	0.500	28.69	0.33
P-157	385	J-124	J-125	6.0	PVC	120.0	0.500	24.89	0.28
P-158	383	J-125	J-126	6.0	PVC	120.0	0.350	22.42	0.25
P-159	374	J-126	J-127	6.0	PVC	120.0	0.500	21.15	0.24
P-160	406	J-127	J-120	6.0	PVC	120.0	0.350	36.23	0.41
P-161	383	J-120	J-117	6.0	PVC	120.0	0.350	1.04	0.01
P-162	261	J-117	J-110	6.0	PVC	120.0	0.500	17.47	0.20
P-163	392	J-109	J-127	8.0	PVC	120.0	1.280	16.02	0.10
P-164	372	J-127	J-119	8.0	PVC	120.0	0.750	31.10	0.20
P-166	402	J-443	J-74	8.0	PVC	120.0	0.750	88.55	0.57
P-167	397	J-74	J-82	8.0	PVC	120.0	1.280	94.72	0.60
P-170	383	J-25	J-130	8.0	PVC	120.0	0.350	41.23	0.26
P-171	415	J-130	J-131	8.0	PVC	120.0	0.750	9.00	0.06
P-172	363	J-131	J-132	8.0	PVC	120.0	0.350	0.00	0.00
P-173(1)	62	J-132	PRV-12	6.0	PVC	120.0	0.200	(N/A)	(N/A)
P-173(2)	201	PRV-12	J-133	6.0	PVC	120.0	0.200	(N/A)	(N/A)
P-174	263	J-133	J-134	6.0	PVC	120.0	1.280	0.00	0.00
P-175	310	J-133	J-135	6.0	PVC	120.0	0.350	24.00	0.27
P-177	306	J-136	J-137	6.0	PVC	120.0	0.350	72.00	0.82
P-178	322	J-137	J-138	6.0	PVC	120.0	0.350	61.58	0.70
P-179	254	J-138	J-139	6.0	PVC	120.0	0.350	52.65	0.60
P-181	235	J-139	J-141	6.0	PVC	120.0	0.350	12.00	0.14
P-182	22	J-142	J-143	2.0	PVC	120.0	0.750	0.00	0.00
P-183	49	J-143	J-144	2.0	PVC	120.0	0.000	0.00	0.00
P-185	228	J-145	J-146	6.0	PVC	120.0	0.000	0.00	0.00
P-195	384	J-151	J-22	8.0	PVC	120.0	1.280	31.79	0.20
P-196	377	J-130	J-123	8.0	PVC	120.0	0.000	84.73	0.54
P-198	359	J-132	J-153	2.0	PVC	120.0	1.280	0.00	0.00
P-199	359	J-131	J-154	6.0	PVC	120.0	1.280	9.00	0.10
P-201	383	J-156	J-23	8.0	PVC	120.0	0.500	6.61	0.04
P-203	391	J-151	J-71	8.0	PVC	120.0	0.750	176.09	1.12
P-204	256	J-71	J-158	8.0	PVC	120.0	0.000	171.17	1.09
P-205	378	J-122	J-156	8.0	PVC	120.0	0.750	113.41	0.72
P-206	361	J-156	J-151	8.0	PVC	120.0	0.750	144.30	0.92
P-207	380	J-124	J-159	6.0	PVC	120.0	0.750	24.84	0.28
P-210	379	J-162	J-159	8.0	PVC	120.0	0.500	24.84	0.16
P-211	65	J-159	J-163	0.8	PVC	120.0	0.750	0.00	0.00
P-212	378	J-125	J-162	6.0	PVC	120.0	0.750	11.44	0.13
P-213	359	J-162	J-165	6.0	PVC	120.0	0.750	11.97	0.14
P-215	388	J-165	J-166	6.0	PVC	120.0	0.750	69.23	0.79
P-216	401	J-166	J-73	6.0	PVC	120.0	0.750	83.56	0.95
P-217	528	J-166	J-167	6.0	PVC	120.0	0.500	75.41	0.86
P-218	225	J-167	J-168	6.0	PVC	120.0	0.350	75.41	0.86
P-219	112	J-167	J-169	6.0	PVC	120.0	1.280	0.00	0.00
P-220	378	J-165	J-170	8.0	PVC	120.0	0.500	0.00	0.00
P-221	376	J-165	J-171	8.0	PVC	120.0	0.500	37.76	0.24
P-222	75	J-126	J-172	2.0	PVC	120.0	1.280	1.26	0.13
P-223	299	J-172	J-160	3.0	PVC	120.0	0.750	1.26	0.06
P-224	410	J-160	J-171	3.0	PVC	120.0	0.750	2.86	0.13
P-225	181	J-171	J-173	3.0	PVC	120.0	0.000	0.00	0.00
P-226	398	J-166	J-174	8.0	PVC	120.0	0.000	89.75	0.57
P-227	350	J-174	J-443	8.0	PVC	120.0	0.500	89.75	0.57
P-228	370	J-160	J-119	8.0	PVC	120.0	0.500	14.88	0.09
P-229	488	J-110	J-175	2.0	PVC	120.0	0.000	0.00	0.00
P-230	210	J-176	J-177	2.0	PVC	120.0	0.500	15.00	1.53
P-231	386	J-177	J-178	2.0	PVC	120.0	0.300	0.00	0.00
P-232	78	J-177	J-179	2.0	PVC	120.0	0.800	15.00	1.53
P-233	361	J-180	J-181	2.0	PVC	120.0	1.280	7.50	0.77
P-235	220	J-183	J-184	2.0	PVC	120.0	0.750	0.00	0.00
P-239	420	J-185	J-182	6.0	PVC	120.0	1.280	29.47	0.33
P-240	280	J-60	J-186	6.0	PVC	120.0	0.800	89.88	1.02

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-241	143	J-186	J-185	6.0	PVC	120.0	0.350	145.50	1.65
P-243	297	J-187	J-188	6.0	PVC	120.0	1.280	202.08	2.29
P-244	215	J-187	J-189	6.0	PVC	120.0	0.350	114.95	1.30
P-245	218	J-189	J-190	6.0	PVC	120.0	0.350	76.42	0.87
P-248	23	J-192	J-193	6.0	PVC	120.0	1.280	23.76	0.27
P-250	47	J-194	J-196	6.0	PVC	120.0	0.350	71.45	0.81
P-252	84	J-197	J-198	6.0	PVC	120.0	0.500	41.84	0.47
P-253	126	J-197	J-199	6.0	PVC	120.0	0.500	34.12	0.39
P-254	160	J-199	J-192	6.0	PVC	120.0	1.280	14.77	0.17
P-255	434	J-200	J-201	2.0	PVC	120.0	0.500	0.00	0.00
P-258	166	J-193	J-199	8.0	PVC	120.0	0.350	20.76	0.13
P-259	68	J-199	J-198	8.0	PVC	120.0	0.750	1.42	0.01
P-262	150	J-203	J-204	6.0	PVC	120.0	0.000	5.62	0.06
P-264	437	J-194	J-206	8.0	PVC	120.0	0.350	48.58	0.31
P-265	287	J-206	J-207	8.0	PVC	120.0	0.350	36.55	0.23
P-266	294	J-207	J-107	8.0	PVC	120.0	0.350	26.94	0.17
P-268	558	J-106	J-209	6.0	PVC	120.0	1.280	12.00	0.14
P-269	498	J-209	J-210	6.0	PVC	120.0	0.500	0.00	0.00
P-270	651	J-209	J-211	6.0	PVC	120.0	0.000	0.00	0.00
P-272	331	J-212	J-213	6.0	PVC	120.0	1.280	5.58	0.06
P-274	487	J-212	J-214	6.0	PVC	120.0	0.350	2.81	0.03
P-275	313	J-214	J-215	6.0	PVC	120.0	0.350	32.81	0.37
P-276	187	J-215	J-216	6.0	PVC	120.0	0.000	41.81	0.47
P-277	202	J-213	J-217	4.0	PVC	120.0	0.750	4.50	0.11
P-278	305	J-214	J-218	4.0	PVC	120.0	1.280	10.50	0.27
P-279	305	J-215	J-219	4.0	PVC	120.0	1.280	9.00	0.23
P-280	307	J-213	J-204	8.0	PVC	120.0	0.350	28.05	0.18
P-282	492	J-204	J-221	8.0	PVC	120.0	1.280	33.68	0.21
P-283	308	J-221	J-222	8.0	PVC	120.0	0.350	63.68	0.41
P-285	261	J-223	J-224	8.0	PVC	120.0	0.350	262.99	1.68
P-286	261	J-224	J-225	8.0	PVC	120.0	0.350	280.99	1.79
P-287	158	J-225	J-226	8.0	PVC	120.0	0.350	297.49	1.90
P-288	287	J-226	J-227	8.0	PVC	120.0	1.280	297.49	1.90
P-289	304	J-221	J-228	4.0	PVC	120.0	1.280	9.00	0.23
P-290	304	J-222	J-229	4.0	PVC	120.0	1.280	9.00	0.23
P-291	386	J-223	J-230	6.0	PVC	120.0	1.280	16.50	0.19
P-292	387	J-224	J-231	6.0	PVC	120.0	1.280	18.00	0.20
P-293	385	J-225	J-232	6.0	PVC	120.0	1.280	16.50	0.19
P-294	171	J-226	J-233	2.0	PVC	120.0	1.280	0.00	0.00
P-295	565	J-234	J-227	12.0	PVC	120.0	0.350	214.08	0.61
P-301	395	J-238	J-239	8.0	PVC	120.0	0.000	0.00	0.00
P-302	619	J-239	J-240	8.0	PVC	120.0	1.280	0.00	0.00
P-304	308	J-241	J-242	10.0	PVC	120.0	0.300	9.00	0.04
P-312	554	J-250	J-251	10.0	PVC	120.0	1.280	69.00	0.28
P-313	653	J-252	J-253	10.0	PVC	120.0	0.000	0.00	0.00
P-314	333	J-253	J-254	10.0	PVC	120.0	0.350	36.54	0.15
P-315	275	J-253	J-251	8.0	PVC	120.0	1.280	36.54	0.23
P-317	541	J-255	J-256	8.0	PVC	120.0	1.280	0.54	0.00
P-318	342	J-256	J-254	8.0	PVC	120.0	0.350	21.54	0.14
P-321	238	J-258	J-259	6.0	PVC	120.0	0.800	0.00	0.00
P-322	351	J-258	J-260	6.0	PVC	120.0	0.000	0.00	0.00
P-325	394	J-262	J-263	6.0	PVC	120.0	0.350	3.00	0.03
P-327	337	J-264	J-261	6.0	PVC	120.0	0.000	0.22	0.00
P-329	461	J-265	J-262	6.0	PVC	120.0	0.800	2.78	0.03
P-331	238	J-7	J-266	1.5	PVC	120.0	0.000	0.00	0.00
P-332	462	J-196	J-267	3.0	PVC	120.0	1.280	4.50	0.20
P-333	390	J-40	J-45	8.0	PVC	120.0	1.280	34.91	0.22
P-334	169	J-72	J-268	3.0	PVC	120.0	1.280	0.00	0.00
P-336	436	J-269	J-136	6.0	PVC	120.0	0.800	29.65	0.34
P-338	319	J-270	J-147	6.0	PVC	120.0	0.800	49.42	0.56
P-339	458	J-137	J-271	6.0	PVC	120.0	1.280	10.42	0.12
P-340	512	J-271	J-270	6.0	PVC	120.0	0.000	49.42	0.56
P-341	502	J-147	J-272	6.0	PVC	120.0	1.280	40.43	0.46
P-342	403	J-272	J-138	6.0	PVC	120.0	1.280	8.93	0.10
P-343	414	J-139	J-273	6.0	PVC	120.0	1.280	64.65	0.73
P-344	439	J-273	J-148	6.0	PVC	120.0	0.350	64.65	0.73
P-346	101	J-274	J-150	8.0	PVC	120.0	0.000	0.00	0.00
P-347	539	J-149	J-276	8.0	PVC	120.0	0.350	21.00	0.13
P-348	549	J-276	J-274	8.0	PVC	120.0	0.800	21.00	0.13
P-349	504	J-149	J-277	8.0	PVC	120.0	0.200	198.00	1.26
P-350	349	J-277	J-143	8.0	PVC	120.0	0.000	198.00	1.26
P-351	438	J-148	J-278	6.0	PVC	120.0	0.200	154.50	1.75
P-352	523	J-278	J-149	6.0	PVC	120.0	1.280	177.00	2.01
P-353	183	J-148	J-279	6.0	PVC	120.0	1.280	89.85	1.02
P-354	240	J-279	J-147	6.0	PVC	120.0	0.350	89.85	1.02
P-355	356	J-145	J-280	6.0	PVC	120.0	0.350	6.35	0.07
P-356	416	J-280	J-136	6.0	PVC	120.0	1.280	42.35	0.48
P-357	334	J-135	J-281	6.0	PVC	120.0	0.800	17.65	0.20
P-358	312	J-281	J-269	6.0	PVC	120.0	0.000	29.65	0.34
P-359	676	J-143	J-282	8.0	PVC	120.0	0.500	198.00	1.26
P-361	528	J-282	J-387	8.0	PVC	120.0	0.000	208.50	1.33
P-362	604	J-283	J-151	8.0	PVC	120.0	0.500	0.00	0.00
P-363	371	J-155	J-284	8.0	PVC	120.0	0.000	0.00	0.00
P-364	384	J-284	J-156	8.0	PVC	120.0	0.500	37.50	0.24
P-365	384	J-121	J-285	6.0	PVC	120.0	0.000	0.00	0.00
P-366	389	J-285	J-122	6.0	PVC	120.0	0.500	0.00	0.00

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-367	384	J-152	J-286	8.0	PVC	120.0	0.000	0.00	0.00
P-368	390	J-286	J-130	8.0	PVC	120.0	0.500	34.50	0.22
P-369	362	J-129	J-287	8.0	PVC	120.0	0.350	102.26	0.65
P-370	358	J-287	J-25	8.0	PVC	120.0	0.350	102.26	0.65
P-371	361	J-24	J-288	6.0	PVC	120.0	0.500	58.86	0.67
P-372	367	J-288	J-124	6.0	PVC	120.0	0.500	58.86	0.67
P-373	418	J-445	J-289	8.0	PVC	120.0	1.280	101.08	0.65
P-374	381	J-289	J-71	8.0	PVC	120.0	0.500	81.58	0.52
P-375	379	J-66	J-290	8.0	PVC	120.0	0.350	276.75	1.77
P-376	363	J-290	J-445	8.0	PVC	120.0	1.280	105.58	0.67
P-380	377	J-421	J-31	12.0	PVC	120.0	0.500	1,583.93	4.49
P-381	365	J-13	J-293	8.0	PVC	120.0	0.000	0.00	0.00
P-382	375	J-293	J-12	8.0	PVC	120.0	0.500	0.00	0.00
P-383	374	J-3	J-294	6.0	PVC	120.0	0.000	0.00	0.00
P-384	369	J-294	J-4	6.0	PVC	120.0	0.350	24.00	0.27
P-386	358	J-295	J-7	6.0	PVC	120.0	0.750	38.34	0.44
P-387	399	J-34	J-295	6.0	PVC	120.0	0.500	41.69	0.47
P-389	380	J-28	J-297	8.0	PVC	120.0	0.000	260.83	1.66
P-390	381	J-297	J-42	8.0	PVC	120.0	0.500	260.83	1.66
P-391	375	J-29	J-298	8.0	PVC	120.0	0.000	249.47	1.59
P-392	386	J-298	J-43	8.0	PVC	120.0	0.500	249.47	1.59
P-395	428	J-39	J-300	8.0	PVC	120.0	0.300	89.88	0.57
P-396	440	J-300	J-60	8.0	PVC	120.0	0.000	89.88	0.57
P-397	435	J-183	J-301	6.0	PVC	120.0	0.200	93.53	1.06
P-398	322	J-301	J-185	6.0	PVC	120.0	0.000	116.03	1.32
P-400	522	J-302	J-183	6.0	PVC	120.0	0.500	99.00	1.12
P-401	221	J-180	J-501	6.0	PVC	120.0	0.350	82.50	0.94
P-402	599	J-303	J-302	6.0	PVC	120.0	0.100	99.00	1.12
P-403	547	J-179	J-304	6.0	PVC	120.0	0.800	15.00	0.17
P-404	534	J-304	J-180	6.0	PVC	120.0	0.350	75.00	0.85
P-405	434	J-186	J-305	8.0	PVC	120.0	1.280	66.12	0.42
P-407	291	J-305	J-306	8.0	PVC	120.0	0.000	66.12	0.42
P-409	429	J-306	J-307	8.0	PVC	120.0	0.000	66.12	0.42
P-411	424	J-307	J-308	8.0	PVC	120.0	0.000	87.12	0.56
P-413	358	J-308	J-309	8.0	PVC	120.0	0.800	87.12	0.56
P-414	346	J-309	J-187	6.0	PVC	120.0	0.000	87.12	0.99
P-415	498	J-189	J-310	6.0	PVC	120.0	1.280	38.54	0.44
P-416	494	J-310	J-191	6.0	PVC	120.0	0.000	38.54	0.44
P-417	495	J-191	J-311	6.0	PVC	120.0	0.000	38.54	0.44
P-418	379	J-311	J-192	6.0	PVC	120.0	0.350	38.54	0.44
P-419	365	J-198	J-312	8.0	PVC	120.0	1.280	40.42	0.26
P-421	495	J-312	J-313	8.0	PVC	120.0	0.000	40.42	0.26
P-423	491	J-313	J-314	8.0	PVC	120.0	0.000	76.42	0.49
P-424	507	J-314	J-190	8.0	PVC	120.0	0.800	76.42	0.49
P-425	96	J-200	J-315	8.0	PVC	120.0	0.200	3.00	0.02
P-426	182	J-315	J-193	8.0	PVC	120.0	0.800	3.00	0.02
P-427	156	J-202	J-317	8.0	PVC	120.0	0.200	0.00	0.00
P-428	84	J-317	J-200	8.0	PVC	120.0	0.300	0.00	0.00
P-429	379	J-196	J-318	6.0	PVC	120.0	0.000	75.95	0.86
P-430	439	J-318	J-197	6.0	PVC	120.0	0.300	75.95	0.86
P-431	418	J-194	J-319	6.0	PVC	120.0	1.280	22.88	0.26
P-432	448	J-319	J-203	6.0	PVC	120.0	1.280	7.88	0.09
P-433	147	J-203	J-322	4.0	PVC	120.0	0.800	13.50	0.34
P-434	209	J-322	J-205	4.0	PVC	120.0	0.000	0.00	0.00
P-435	397	J-222	J-323	8.0	PVC	120.0	0.200	72.68	0.46
P-437	693	J-323	J-324	8.0	PVC	120.0	0.200	93.68	0.60
P-439	555	J-324	J-325	8.0	PVC	120.0	0.800	113.18	0.72
P-440	283	J-325	J-223	8.0	PVC	120.0	0.350	246.49	1.57
P-441	679	J-227	J-326	12.0	PVC	120.0	0.000	552.06	1.57
P-443	549	J-326	J-327	12.0	PVC	120.0	0.000	558.06	1.58
P-444	176	J-327	J-651	12.0	PVC	120.0	0.000	579.06	1.64
P-445	307	J-236	J-652	16.0	PVC	120.0	0.000	579.06	0.92
P-447(1)	262	J-328	J-1487	16.0	PVC	120.0	0.350	1,458.06	2.33
P-447(2)	227	J-1487	J-329	16.0	PVC	120.0	0.000	1,477.56	2.36
P-449	466	J-329	J-330	16.0	PVC	120.0	0.000	1,477.56	2.36
P-451	609	J-330	J-331	16.0	PVC	120.0	0.000	1,477.56	2.36
P-453	397	J-331	J-332	16.0	PVC	120.0	0.000	1,477.56	2.36
P-454	387	J-332	J-237	16.0	PVC	120.0	0.000	1,477.56	2.36
P-457	519	J-237	J-334	16.0	PVC	120.0	0.000	1,477.56	2.36
P-458	509	J-334	J-333	16.0	PVC	120.0	0.000	1,477.56	2.36
P-459	466	J-333	J-870	16.0	PVC	120.0	0.000	1,479.06	2.36
P-460	568	J-335	J-235	16.0	PVC	120.0	0.800	1,479.06	2.36
P-463	287	J-239	J-337	8.0	PVC	120.0	0.350	9.00	0.06
P-464	381	J-337	J-336	8.0	PVC	120.0	0.000	9.00	0.06
P-465	442	J-336	J-338	8.0	PVC	120.0	0.000	9.00	0.06
P-466	522	J-338	J-241	8.0	PVC	120.0	0.500	9.00	0.06
P-467	509	J-255	J-339	8.0	PVC	120.0	0.000	0.00	0.00
P-468	395	J-339	J-257	8.0	PVC	120.0	0.000	0.00	0.00
P-469	262	J-251	J-340	8.0	PVC	120.0	0.350	32.46	0.21
P-471	394	J-340	J-341	8.0	PVC	120.0	0.800	32.46	0.21
P-472	284	J-341	J-255	8.0	PVC	120.0	0.350	0.54	0.00
P-475	597	J-256	J-343	8.0	PVC	120.0	0.000	21.00	0.13
P-476	431	J-343	J-342	8.0	PVC	120.0	0.000	21.00	0.13
P-477	452	J-342	J-344	8.0	PVC	120.0	0.000	21.00	0.13
P-478	502	J-344	J-243	8.0	PVC	120.0	0.800	21.00	0.13
P-481	433	J-345	J-346	10.0	PVC	120.0	0.000	13.50	0.06

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-482	470	J-346	J-243	10.0	PVC	120.0	0.000	21.00	0.09
P-483	403	J-242	J-347	10.0	PVC	120.0	0.000	9.00	0.04
P-484	443	J-347	J-345	10.0	PVC	120.0	0.000	13.50	0.06
P-487	341	J-262	J-349	6.0	PVC	120.0	0.500	0.22	0.00
P-488	316	J-349	J-264	6.0	PVC	120.0	0.000	0.22	0.00
P-489	154	J-261	J-350	6.0	PVC	120.0	1.280	2.78	0.03
P-490	682	J-350	J-265	6.0	PVC	120.0	0.800	2.78	0.03
P-495	627	J-260	J-353	6.0	PVC	120.0	0.200	3.00	0.03
P-497	403	J-353	J-354	6.0	PVC	120.0	0.000	3.00	0.03
P-498	479	J-354	J-351	6.0	PVC	120.0	0.000	3.00	0.03
P-499	386	J-351	J-355	6.0	PVC	120.0	0.000	3.00	0.03
P-500	422	J-355	J-352	6.0	PVC	120.0	0.000	3.00	0.03
P-501	365	J-352	J-356	6.0	PVC	120.0	0.000	3.00	0.03
P-502	390	J-356	J-261	6.0	PVC	120.0	0.350	3.00	0.03
P-503	404	J-109	J-357	8.0	PVC	120.0	0.000	55.45	0.35
P-505	471	J-357	J-358	8.0	PVC	120.0	0.200	37.45	0.24
P-506	424	J-358	J-110	8.0	PVC	120.0	0.750	37.45	0.24
P-507	436	J-98	J-359	8.0	PVC	120.0	0.500	150.06	0.96
P-509	472	J-359	J-360	8.0	PVC	120.0	0.100	150.06	0.96
P-510	426	J-360	J-106	8.0	PVC	120.0	0.350	150.06	0.96
P-513	310	J-361	J-362	8.0	PVC	120.0	0.000	123.00	0.79
P-514	302	J-362	J-208	8.0	PVC	120.0	0.000	123.00	0.79
P-515	308	J-107	J-363	8.0	PVC	120.0	0.000	129.00	0.82
P-516	308	J-363	J-361	8.0	PVC	120.0	0.000	129.00	0.82
P-517	384	J-82	J-364	8.0	PVC	120.0	0.000	121.33	0.77
P-518	386	J-364	J-83	8.0	PVC	120.0	0.350	121.33	0.77
P-519	369	J-84	J-365	3.0	PVC	120.0	0.800	4.36	0.20
P-520	371	J-365	J-86	3.0	PVC	120.0	0.500	4.36	0.20
P-521	378	J-83	J-366	8.0	PVC	120.0	1.280	55.72	0.36
P-522	385	J-366	J-58	8.0	PVC	120.0	0.750	55.72	0.36
P-523	380	J-36	J-367	6.0	PVC	120.0	0.000	104.50	1.19
P-524	387	J-367	J-37	6.0	PVC	120.0	0.500	71.50	0.81
P-525	387	J-53	J-368	8.0	PVC	120.0	0.750	109.86	0.70
P-527	111	J-135	J-369	6.0	PVC	120.0	1.280	6.35	0.07
P-528	357	J-369	J-145	6.0	PVC	120.0	1.280	6.35	0.07
P-530	362	J-370	J-109	8.0	PVC	120.0	0.350	39.42	0.25
P-531	391	J-119	J-113	8.0	PVC	120.0	0.750	40.70	0.26
P-532	364	J-113	J-443	8.0	PVC	120.0	0.750	82.73	0.53
P-533	399	J-113	J-372	8.0	PVC	120.0	0.350	48.42	0.31
P-534	393	J-372	J-114	8.0	PVC	120.0	0.500	45.07	0.29
P-535	363	J-73	J-373	6.0	PVC	120.0	0.000	82.02	0.93
P-536	379	J-373	J-74	6.0	PVC	120.0	0.500	52.02	0.59
P-537	400	J-74	J-374	6.0	PVC	120.0	0.000	58.20	0.66
P-538	391	J-374	J-75	6.0	PVC	120.0	0.500	37.20	0.42
P-539	371	J-19	J-375	8.0	PVC	120.0	0.500	7.77	0.05
P-540	327	J-375	J-299	8.0	PVC	120.0	0.100	7.77	0.05
P-541	386	J-92	J-376	8.0	PVC	120.0	0.750	33.39	0.21
P-542	393	J-376	J-99	8.0	PVC	120.0	0.750	15.39	0.10
P-543	528	J-182	J-377	2.0	PVC	120.0	0.200	5.47	0.56
P-544	257	J-377	J-183	2.0	PVC	120.0	0.800	5.47	0.56
P-546	140	J-378	J-206	6.0	PVC	120.0	1.280	12.03	0.14
P-547	472	J-213	J-379	6.0	PVC	120.0	0.500	0.03	0.00
P-548	362	J-379	J-378	6.0	PVC	120.0	0.350	12.03	0.14
P-549	223	J-207	J-380	6.0	PVC	120.0	1.280	9.61	0.11
P-551	307	J-380	J-381	6.0	PVC	120.0	0.350	9.61	0.11
P-553	303	J-381	J-382	6.0	PVC	120.0	0.000	8.39	0.10
P-554	345	J-382	J-212	6.0	PVC	120.0	0.350	8.39	0.10
P-556	58	City Hill Tank	J-30	12.0	PVC	120.0	0.000	1,583.93	4.49
P-559	327	J-2	J-385	6.0	PVC	120.0	0.000	0.00	0.00
P-560	375	J-385	J-291	6.0	PVC	120.0	0.000	0.00	0.00
P-569(1)	41	J-283	PRV-13	8.0	PVC	120.0	0.000	(N/A)	(N/A)
P-569(2)	36	PRV-13	J-392	8.0	PVC	120.0	0.000	(N/A)	(N/A)
P-571	18	R-7	GPV-1	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-572	13	GPV-1	Well 3	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-573	16	Well 3	J-157	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-574	52	R-8	GPV-2	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-575	55	GPV-2	Well 1	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-576	49	Well 1	J-82	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-577	37	R-9	GPV-3	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-578	31	GPV-3	Well 2	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-579	26	Well 2	J-90	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-601	86	Airport GST	Airport-3	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-602	119	Airport-3	J-391	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-603	62	J-391	J-260	6.0	PVC	120.0	0.000	3.00	0.03
P-604	111	Airport GST	Airport-1	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-605	99	Airport-1	J-391	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-611	10	J-392	J-387	8.0	PVC	120.0	0.800	208.50	1.33
P-616	96	Airport GST	Airport-2	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-617	93	Airport-2	J-391	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-631	534	J-1409	J-241	10.0	PVC	120.0	0.000	0.00	0.00
P-690	371	J-291	J-51	6.0	PVC	120.0	0.500	0.00	0.00
P-692	354	J-30	J-421	12.0	PVC	120.0	0.800	1,583.93	4.49
P-717	62	J-23	J-426	8.0	PVC	120.0	0.350	0.00	0.00
P-718	66	J-426	J-157	8.0	PVC	120.0	1.280	(N/A)	(N/A)
P-741	389	J-431	J-370	8.0	PVC	120.0	0.000	60.42	0.39
P-742	391	J-125	J-431	6.0	PVC	120.0	1.280	8.97	0.10

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-743	399	J-129	J-431	8.0	PVC	120.0	0.350	69.39	0.44
P-748	385	J-66	J-51	8.0	PVC	120.0	0.750	320.49	2.05
P-750	162	J-290	J-158	8.0	PVC	120.0	0.350	171.17	1.09
P-751	375	J-21	J-168	6.0	PVC	120.0	0.000	75.41	0.86
P-763	381	J-444	J-372	12.0	PVC	120.0	1.280	31.16	0.09
P-766	192	J-31	J-52	8.0	PVC	120.0	0.750	468.86	2.99
P-789	111	J-72	J-435	6.0	PVC	120.0	0.350	15.32	0.17
P-790	397	J-435	J-73	6.0	PVC	120.0	0.500	15.32	0.17
P-791	124	J-304	J-469	6.0	PVC	120.0	1.280	60.00	0.68
P-792	359	J-154	J-153	6.0	PVC	120.0	0.800	0.00	0.00
P-794	384	J-160	J-162	8.0	PVC	120.0	0.500	48.25	0.31
P-795	394	J-124	J-129	6.0	PVC	120.0	1.280	22.37	0.25
P-796	379	J-113	J-171	8.0	PVC	120.0	0.500	6.39	0.04
P-797	391	J-443	J-444	8.0	PVC	120.0	0.350	95.57	0.61
P-798	401	J-444	J-102	8.0	PVC	120.0	0.500	64.41	0.41
P-799	377	J-32	J-12	8.0	PVC	120.0	0.750	228.17	1.46
P-809	38	J-299	J-436	2.0	PVC	120.0	0.000	7.77	0.79
P-810	432	J-436	J-79	2.0	PVC	120.0	0.500	7.77	0.79
P-813	150	J-368	J-441	8.0	PVC	120.0	0.000	109.86	0.70
P-814	227	J-441	J-63	8.0	PVC	120.0	1.280	109.86	0.70
P-815	90	J-81	J-439	8.0	PVC	120.0	0.000	256.45	1.64
P-816	80	J-439	J-79	8.0	PVC	120.0	0.000	256.45	1.64
P-889	51	J-507	J-250	12.0	PVC	120.0	0.000	69.00	0.20
P-890	13	J-507	T-28	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-891	21	R-16	PMP-24	16.0	PVC	120.0	0.000	0.00	0.00
P-892	30	PMP-24	Medina Valley Tank	16.0	PVC	120.0	0.000	0.00	0.00
P-895	16	J-508	PMP-26	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-896	12	PMP-26	J-509	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-897	26	J-508	PMP-27	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-898	18	PMP-27	J-509	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-903	13	J-509	J-507	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-904	14	Medina Valley Tank	J-508	16.0	PVC	120.0	0.000	1,554.06	2.48
P-905	11	J-508	PMP-25	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-907	16	PMP-25	J-509	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-910	345	J-507	J-235	16.0	PVC	120.0	0.800	1,485.06	2.37
P-927	13	J-507	T-29	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1424	14	J-509	J-1224	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1425	10	J-1224	T-28	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1426	11	J-1224	T-29	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1493	37	City Tank	J-392	12.0	PVC	120.0	0.000	208.50	0.59
P-1596	33	J-652	J-655	12.0	PVC	120.0	0.350	579.06	1.64
P-1616	906	J-208	J-464	8.0	PVC	120.0	0.000	123.00	0.79
P-1617	909	J-464	J-463	8.0	PVC	120.0	0.000	123.00	0.79
P-1618	271	J-463	J-1386	8.0	PVC	120.0	0.000	51.00	0.33
P-1619	242	J-1386	J-1293	8.0	PVC	120.0	0.000	51.00	0.33
P-1620	253	J-1293	J-462	8.0	PVC	120.0	0.000	51.00	0.33
P-1621	802	J-462	J-486	8.0	PVC	120.0	0.000	51.00	0.33
P-1622	556	J-486	J-455	6.0	PVC	120.0	0.000	36.00	0.41
P-1623	102	J-455	J-456	6.0	PVC	120.0	0.000	36.00	0.41
P-1624	306	J-456	J-465	4.0	PVC	120.0	0.200	36.00	0.92
P-1625	377	J-465	J-448	4.0	PVC	120.0	0.000	21.00	0.54
P-1626	271	J-448	J-466	4.0	PVC	120.0	0.000	21.00	0.54
P-1627	345	J-466	J-458	4.0	PVC	120.0	0.350	21.00	0.54
P-1628	357	J-458	J-468	4.0	PVC	120.0	0.000	12.00	0.31
P-1630	369	J-468	J-460	4.0	PVC	120.0	0.000	12.00	0.31
P-1631	313	J-460	J-461	4.0	PVC	120.0	0.800	12.00	0.31
P-1632	250	J-458	J-459	4.0	PVC	120.0	1.280	9.00	0.23
P-1633	390	J-188	J-234	10.0	PVC	120.0	0.000	202.08	0.83
P-1634	419	J-501	J-303	6.0	PVC	120.0	0.000	82.50	0.94
P-1635	489	J-651	J-236	16.0	PVC	120.0	0.000	579.06	0.92
P-1636	172	J-655	J-328	16.0	PVC	120.0	0.000	1,458.06	2.33
P-1637	106	J-870	J-335	16.0	PVC	120.0	0.000	1,479.06	2.36
P-1640	689	J-655	J-1446	16.0	PVC	120.0	1.280	879.00	1.40
P-1647	892	J-1446	J-1447	16.0	PVC	120.0	0.100	879.00	1.40
P-1648	98	J-1447	J-1464	16.0	PVC	120.0	0.000	879.00	1.40
P-1649	138	J-1464	J-1448	16.0	PVC	120.0	0.050	879.00	1.40
P-1650	328	J-1448	J-1449	16.0	PVC	120.0	0.050	879.00	1.40
P-1651	270	J-1449	J-1465	16.0	PVC	120.0	1.280	879.00	1.40
P-1652	458	J-1466	J-1465	8.0	PVC	120.0	0.350	439.50	2.81
P-1653	516	J-1465	J-1649	8.0	PVC	120.0	0.350	439.50	2.81
P-1654(1)	382	J-1484	J-1498	12.0	PVC	120.0	0.350	0.00	0.00
P-1654(2)	609	J-1498	J-1485	12.0	PVC	120.0	0.000	0.00	0.00
P-1655	183	J-1498	J-1487	12.0	PVC	120.0	1.280	19.50	0.06
P-1660	189	Airport GST	J-391	12.0	PVC	120.0	0.000	3.00	0.01
P-1661	31	J-508	J-507	16.0	PVC	120.0	0.000	1,554.06	2.48
P-1823	570	J-216	J-1472	8.0	PVC	120.0	0.800	41.81	0.27
P-1824	380	J-1472	J-1473	8.0	PVC	120.0	0.200	41.81	0.27
P-1825	297	J-1473	J-1474	8.0	PVC	120.0	0.050	41.81	0.27
P-1826	124	J-1474	J-1475	8.0	PVC	120.0	0.100	41.81	0.27
P-1827	519	J-1475	J-1476	8.0	PVC	120.0	0.800	122.81	0.78
P-1828	287	J-1476	J-325	8.0	PVC	120.0	0.000	122.81	0.78

FlexTable: Junction Table

Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-2	868.92	0.00	924.19	23.91
J-3	756.96	0.00	924.81	72.62
J-4	753.28	0.00	924.84	74.23
J-5	754.47	13.50	924.74	73.67
J-6	752.64	0.00	923.83	74.07
J-7	754.00	18.00	922.88	73.07
J-9	756.71	0.00	922.55	71.75
J-10	757.33	16.50	922.40	71.42
J-11	737.39	0.00	923.83	80.66
J-12	756.69	42.00	925.07	72.85
J-13	774.11	0.00	925.07	65.31
J-14	756.47	0.00	924.90	72.87
J-15	757.63	0.00	924.90	72.37
J-16	758.80	0.00	924.90	71.86
J-17	762.03	0.00	925.19	70.59
J-18	769.12	0.00	924.02	67.01
J-19	782.35	46.50	923.12	60.91
J-20	780.09	27.00	922.26	61.51
J-21	774.31	0.00	921.97	63.88
J-22	773.51	55.50	921.68	64.11
J-23	773.00	0.00	921.48	64.24
J-24	772.00	24.00	921.28	64.59
J-25	770.80	16.50	921.20	65.07
J-26	756.00	0.00	923.83	72.61
J-27	757.00	40.50	923.83	72.18
J-28	760.87	0.00	923.83	70.50
J-29	766.90	30.00	923.70	67.84
J-30	907.43	0.00	931.60	10.46
J-31	779.79	0.00	926.15	63.33
J-32	764.44	0.00	925.61	69.73
J-33	759.68	0.00	924.90	71.48
J-34	756.23	0.00	922.90	72.11
J-36	757.00	0.00	922.00	71.39
J-37	758.00	0.00	921.25	70.63
J-38	759.34	25.50	920.92	69.91
J-39	761.11	0.00	920.76	69.08
J-40	756.24	19.50	922.48	71.92
J-41	757.00	0.00	922.47	71.59
J-42	757.00	0.00	922.47	71.59
J-43	762.38	45.00	922.45	69.25
J-45	755.84	22.50	922.49	72.10
J-48	756.66	10.50	922.34	71.68
J-50	757.01	0.00	922.34	71.53
J-51	782.22	0.00	924.19	61.42
J-52	791.57	27.00	925.05	57.75
J-53	756.81	18.00	921.93	71.44
J-54	757.00	0.00	921.60	71.21
J-55	758.00	0.00	921.26	70.63
J-58	760.00	0.00	920.93	69.63
J-59	761.00	37.50	920.78	69.13
J-60	760.84	0.00	920.55	69.10
J-61	757.84	0.00	921.25	70.70
J-62	756.87	0.00	921.94	71.42
J-63	759.00	0.00	921.64	70.37
J-65	757.00	0.00	922.45	71.58
J-66	784.61	0.00	923.15	59.94
J-68	807.49	4.50	922.26	49.66
J-69	811.45	0.00	922.26	47.94
J-71	789.74	0.00	922.04	57.24
J-72	764.83	81.00	921.53	67.80
J-73	761.00	0.00	921.51	69.44
J-74	760.00	0.00	921.07	69.69
J-75	760.00	0.00	920.81	69.58
J-79	762.45	0.00	922.06	69.06
J-80	766.50	0.00	921.77	67.18
J-81	761.13	0.00	921.77	69.50
J-82	759.74	0.00	921.18	69.85
J-83	760.00	52.50	920.85	69.59
J-84	760.00	0.00	920.83	69.59
J-85	762.11	54.00	920.76	68.64
J-86	761.50	0.00	920.76	68.90
J-88	760.85	0.00	920.76	69.18
J-89	762.38	0.00	920.73	68.51
J-90	762.67	(N/A)	(N/A)	(N/A)
J-92	762.00	0.00	920.71	68.66
J-93	762.27	12.00	920.70	68.55
J-94	761.00	0.00	920.70	69.09
J-95	761.13	12.00	920.70	69.04
J-96	738.68	0.00	920.70	78.75
J-97	761.64	0.00	920.70	68.82
J-98	763.00	0.00	920.37	68.09
J-99	764.00	0.00	920.69	67.79
J-100	764.00	0.00	920.69	67.79
J-101	764.03	0.00	920.68	67.78
J-102	760.79	0.00	920.80	69.23
J-103	761.63	63.00	920.70	68.82

FlexTable: Junction Table

Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-104	760.95	0.00	920.70	69.12
J-105	764.00	16.50	920.62	67.76
J-106	783.65	36.00	919.51	58.78
J-107	786.75	0.00	919.47	57.42
J-109	765.72	0.00	920.85	67.12
J-110	765.00	25.50	920.76	67.39
J-111	763.23	0.00	920.75	68.15
J-112	764.26	21.00	920.71	67.69
J-113	763.00	0.00	920.89	68.31
J-114	762.00	0.00	920.83	68.72
J-115	763.22	0.00	920.80	68.18
J-116	765.00	0.00	920.78	67.40
J-117	765.45	0.00	920.78	67.20
J-118	765.00	0.00	920.83	67.42
J-119	762.87	0.00	920.86	68.36
J-120	765.86	39.00	920.78	67.02
J-121	804.38	0.00	921.33	50.60
J-122	783.85	0.00	921.33	59.48
J-123	783.85	0.00	921.31	59.47
J-124	766.00	31.50	920.94	67.04
J-125	765.00	0.00	920.91	67.45
J-126	763.00	0.00	920.88	68.31
J-127	764.12	0.00	920.85	67.81
J-129	764.87	10.50	920.97	67.54
J-130	780.79	0.00	921.22	60.76
J-131	780.16	0.00	921.22	61.03
J-132	790.00	0.00	921.22	56.77
J-133	788.00	24.00	1,023.99	102.10
J-134	789.10	0.00	1,023.99	101.63
J-135	792.83	0.00	1,024.02	100.02
J-136	814.48	0.00	1,024.13	90.70
J-137	826.14	0.00	1,024.34	85.75
J-138	837.92	0.00	1,024.50	80.72
J-139	854.06	0.00	1,024.59	73.78
J-141	865.41	12.00	1,024.59	68.87
J-142	849.01	0.00	1,029.07	77.90
J-143	850.99	0.00	1,029.07	77.05
J-144	852.89	0.00	1,029.07	76.22
J-145	805.20	0.00	1,024.02	94.67
J-146	803.40	0.00	1,024.02	95.45
J-147	822.90	0.00	1,024.62	87.28
J-148	850.84	0.00	1,025.07	75.38
J-149	884.73	0.00	1,028.17	62.06
J-150	935.05	0.00	1,028.15	40.28
J-151	785.98	0.00	921.70	58.72
J-152	802.00	0.00	921.21	51.58
J-153	779.54	0.00	921.22	61.30
J-154	775.15	9.00	921.22	63.20
J-155	807.58	0.00	921.46	49.27
J-156	784.92	0.00	921.47	59.08
J-157	773.56	(N/A)	(N/A)	(N/A)
J-158	789.03	0.00	922.25	57.64
J-159	765.93	0.00	920.91	67.05
J-160	762.11	37.50	920.87	68.68
J-162	763.86	0.00	920.90	67.94
J-163	766.24	0.00	920.91	66.92
J-165	763.00	19.50	920.91	68.32
J-166	761.90	0.00	921.15	68.90
J-167	764.88	0.00	921.54	67.78
J-168	766.55	0.00	921.70	67.13
J-169	765.91	0.00	921.54	67.33
J-170	765.73	0.00	920.91	67.14
J-171	762.36	28.50	920.89	68.59
J-172	763.00	0.00	920.87	68.30
J-173	761.00	0.00	920.89	69.18
J-174	760.36	0.00	921.05	69.53
J-175	742.22	0.00	920.76	77.25
J-176	753.87	15.00	914.38	69.45
J-177	756.00	0.00	916.00	69.22
J-178	755.00	0.00	916.00	69.66
J-179	756.00	0.00	916.62	69.49
J-180	757.28	0.00	917.03	69.11
J-181	756.51	7.50	916.25	69.11
J-182	759.32	24.00	919.84	69.45
J-183	769.88	0.00	918.92	64.48
J-184	780.48	0.00	918.92	59.89
J-185	764.04	0.00	919.90	67.43
J-186	764.38	10.50	920.26	67.44
J-187	787.66	0.00	920.93	57.66
J-188	786.80	0.00	922.36	58.65
J-189	787.86	0.00	920.58	57.42
J-190	794.65	0.00	920.42	54.41
J-191	788.24	0.00	920.37	57.17
J-192	767.62	0.00	920.19	66.01
J-193	766.56	0.00	920.19	66.47
J-194	769.88	0.00	919.53	64.75

FlexTable: Junction Table

Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-196	769.96	0.00	919.56	64.73
J-197	766.35	0.00	920.16	66.55
J-198	766.22	0.00	920.19	66.61
J-199	765.97	0.00	920.19	66.72
J-200	765.07	3.00	920.19	67.11
J-201	763.00	0.00	920.19	68.01
J-202	766.71	0.00	920.19	66.40
J-203	784.40	0.00	919.49	58.45
J-204	784.30	0.00	919.49	58.49
J-205	785.00	0.00	919.46	58.17
J-206	777.79	0.00	919.50	61.31
J-207	783.05	0.00	919.48	59.03
J-208	796.75	0.00	918.91	52.85
J-209	789.80	12.00	919.50	56.11
J-210	770.11	0.00	919.50	64.63
J-211	795.05	0.00	919.50	53.84
J-212	785.16	0.00	919.48	58.12
J-213	784.19	18.00	919.48	58.53
J-214	784.00	19.50	919.48	58.62
J-215	782.38	0.00	919.53	59.34
J-216	781.47	0.00	919.58	59.75
J-217	784.00	4.50	919.48	58.61
J-218	783.00	10.50	919.44	59.03
J-219	782.00	9.00	919.50	59.49
J-221	782.43	21.00	919.51	59.31
J-222	781.43	0.00	919.55	59.76
J-223	777.49	0.00	920.48	61.87
J-224	779.13	0.00	920.96	61.36
J-225	780.95	0.00	921.51	60.81
J-226	781.68	0.00	921.88	60.66
J-227	783.10	40.50	922.60	60.35
J-228	783.73	9.00	919.48	58.73
J-229	782.78	9.00	919.52	59.16
J-230	780.52	16.50	920.46	60.55
J-231	787.09	18.00	920.94	57.91
J-232	792.98	16.50	921.49	55.60
J-233	784.52	0.00	921.88	59.43
J-234	785.73	12.00	922.50	59.17
J-235	772.34	6.00	931.34	68.79
J-236	778.00	0.00	924.13	63.22
J-237	768.50	0.00	928.03	69.02
J-238	770.53	0.00	931.83	69.79
J-239	769.23	9.00	931.83	70.35
J-240	767.53	0.00	931.83	71.08
J-241	763.05	0.00	931.83	73.02
J-242	762.97	0.00	931.83	73.06
J-243	759.76	0.00	931.84	74.45
J-250	769.68	0.00	931.92	70.20
J-251	767.29	0.00	931.89	71.22
J-252	770.05	0.00	931.88	70.02
J-253	767.63	0.00	931.88	71.06
J-254	766.80	15.00	931.88	71.42
J-255	765.00	0.00	931.87	72.20
J-256	765.16	0.00	931.87	72.13
J-257	762.83	0.00	931.87	73.13
J-258	771.60	0.00	932.00	69.40
J-259	769.94	0.00	932.00	70.12
J-260	769.58	0.00	932.00	70.27
J-261	761.47	0.00	931.99	73.78
J-262	759.41	0.00	931.99	74.67
J-263	761.00	3.00	931.99	73.98
J-264	761.00	0.00	931.99	73.98
J-265	760.27	0.00	931.99	74.29
J-266	757.85	0.00	922.88	71.40
J-267	760.91	4.50	919.51	68.62
J-268	764.86	0.00	921.53	67.78
J-269	802.53	0.00	1,024.07	95.85
J-270	814.36	0.00	1,024.51	90.92
J-271	817.10	39.00	1,024.35	89.67
J-272	830.89	31.50	1,024.50	83.77
J-273	854.25	0.00	1,024.83	73.80
J-274	932.55	21.00	1,028.15	41.36
J-276	907.96	0.00	1,028.16	52.00
J-277	867.37	0.00	1,028.70	69.80
J-278	848.29	22.50	1,026.26	77.00
J-279	832.40	0.00	1,024.87	83.27
J-280	808.19	36.00	1,024.02	93.38
J-281	800.67	12.00	1,024.04	96.64
J-282	826.29	10.50	1,029.80	88.05
J-283	807.55	0.00	921.70	49.39
J-284	798.34	37.50	921.46	53.27
J-285	794.20	0.00	921.33	55.00
J-286	791.55	34.50	921.21	56.10
J-287	770.97	0.00	921.09	64.95
J-288	769.75	0.00	921.11	65.49
J-289	802.32	19.50	922.12	51.83

FlexTable: Junction Table

Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-290	789.08	0.00	922.39	57.68
J-291	822.29	0.00	924.19	44.08
J-293	766.95	0.00	925.07	68.41
J-294	754.23	24.00	924.81	73.80
J-295	755.00	0.00	922.80	72.60
J-297	759.11	0.00	923.16	70.98
J-298	769.62	0.00	923.09	66.40
J-299	769.00	0.00	923.12	66.68
J-300	725.00	0.00	920.66	84.65
J-301	767.16	22.50	919.38	65.86
J-302	759.31	0.00	918.29	68.78
J-303	759.00	16.50	917.57	68.61
J-304	755.56	0.00	916.64	69.69
J-305	779.19	0.00	920.32	61.06
J-306	788.48	0.00	920.36	57.06
J-307	788.55	21.00	920.42	57.06
J-308	787.07	0.00	920.52	57.74
J-309	785.65	0.00	920.60	58.39
J-310	787.81	0.00	920.48	57.40
J-311	779.53	0.00	920.27	60.89
J-312	778.19	0.00	920.21	61.44
J-313	785.90	36.00	920.23	58.12
J-314	787.00	0.00	920.32	57.68
J-315	768.00	0.00	920.19	65.84
J-317	767.77	0.00	920.19	65.94
J-318	767.06	0.00	919.84	66.10
J-319	783.02	15.00	919.50	59.05
J-322	785.00	13.50	919.46	58.17
J-323	779.72	21.00	919.62	60.53
J-324	778.17	19.50	919.80	61.28
J-325	776.29	10.50	920.02	62.18
J-326	781.97	6.00	923.26	61.13
J-327	777.41	21.00	923.81	63.34
J-328	776.11	0.00	924.51	64.20
J-329	773.32	0.00	925.26	65.73
J-330	770.03	0.00	925.95	67.46
J-331	764.47	0.00	926.86	70.26
J-332	766.17	0.00	927.45	69.78
J-333	773.00	1.50	929.56	67.74
J-334	771.22	0.00	928.80	68.18
J-335	773.00	0.00	930.42	68.11
J-336	767.04	0.00	931.83	71.30
J-337	768.31	0.00	931.83	70.75
J-338	765.63	0.00	931.83	71.91
J-339	764.11	0.00	931.87	72.58
J-340	767.51	0.00	931.88	71.12
J-341	766.52	33.00	931.87	71.54
J-342	761.87	0.00	931.85	73.54
J-343	763.68	0.00	931.86	72.76
J-344	761.00	0.00	931.84	73.92
J-345	762.48	0.00	931.83	73.27
J-346	761.47	7.50	931.83	73.71
J-347	763.07	4.50	931.83	73.02
J-349	760.66	0.00	931.99	74.13
J-350	761.01	0.00	931.99	73.98
J-351	765.11	0.00	932.00	72.20
J-352	764.26	0.00	932.00	72.57
J-353	767.56	0.00	932.00	71.15
J-354	766.48	0.00	932.00	71.61
J-355	764.51	0.00	932.00	72.47
J-356	762.57	0.00	931.99	73.30
J-357	767.08	18.00	920.81	66.51
J-358	763.14	0.00	920.78	68.20
J-359	732.00	0.00	920.08	81.38
J-360	766.71	0.00	919.79	66.23
J-361	793.03	6.00	919.18	54.58
J-362	795.08	0.00	919.04	53.63
J-363	790.96	0.00	919.33	55.54
J-364	761.00	0.00	921.02	69.23
J-365	759.00	0.00	920.80	70.00
J-366	759.00	0.00	920.89	70.04
J-367	757.00	33.00	921.51	71.17
J-368	757.67	0.00	921.79	71.00
J-369	796.46	0.00	1,024.02	98.45
J-370	764.19	21.00	920.87	67.79
J-372	764.00	34.50	920.86	67.86
J-373	760.05	30.00	921.21	69.72
J-374	762.31	21.00	920.89	68.61
J-375	779.95	0.00	923.12	61.94
J-376	763.00	18.00	920.69	68.22
J-377	761.04	0.00	919.22	68.44
J-378	782.47	0.00	919.49	59.28
J-379	785.00	12.00	919.48	58.18
J-380	787.73	0.00	919.48	57.00
J-381	787.55	18.00	919.47	57.08
J-382	786.57	0.00	919.48	57.50

FlexTable: Junction Table

Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-385	864.99	0.00	924.19	25.61
J-387	809.56	0.00	1,030.41	95.55
J-391	769.00	0.00	932.00	70.52
J-392	808.99	0.00	1,030.44	95.81
J-421	852.76	0.00	928.91	32.94
J-426	773.76	0.00	921.48	63.91
J-431	764.00	0.00	920.91	67.89
J-435	764.04	0.00	921.52	68.13
J-436	768.68	0.00	923.03	66.78
J-439	762.11	0.00	921.92	69.14
J-441	759.57	0.00	921.73	70.16
J-443	761.00	0.00	920.97	69.21
J-444	763.00	0.00	920.86	68.30
J-445	797.55	0.00	922.26	53.96
J-448	808.93	0.00	917.28	46.88
J-455	784.91	0.00	917.88	57.53
J-456	788.01	0.00	917.87	56.18
J-458	818.10	0.00	916.98	42.78
J-459	825.00	9.00	916.95	39.78
J-460	814.71	0.00	916.85	44.19
J-461	813.75	12.00	916.80	44.59
J-462	783.00	0.00	918.05	58.43
J-463	795.45	72.00	918.12	53.07
J-464	801.02	0.00	918.52	50.83
J-465	804.18	15.00	917.46	49.01
J-466	810.63	0.00	917.15	46.09
J-468	816.55	0.00	916.92	43.43
J-469	757.85	60.00	916.58	68.67
J-486	782.56	15.00	917.99	58.59
J-501	757.97	0.00	917.22	68.90
J-507	769.85	0.00	931.93	70.12
J-508	769.60	0.00	931.98	70.25
J-509	769.78	(N/A)	(N/A)	(N/A)
J-651	776.33	0.00	924.00	63.89
J-652	777.13	0.00	924.21	63.63
J-655	777.00	0.00	924.26	63.71
J-870	773.00	0.00	930.26	68.04
J-1224	769.83	(N/A)	(N/A)	(N/A)
J-1293	786.19	0.00	918.08	57.06
J-1386	790.84	0.00	918.10	55.06
J-1409	764.00	0.00	931.83	72.61
J-1446	772.40	0.00	923.83	65.51
J-1447	772.41	0.00	923.31	65.29
J-1448	773.84	0.00	923.18	64.61
J-1449	774.45	0.00	922.99	64.27
J-1464	773.26	0.00	923.26	64.90
J-1465	775.11	0.00	922.80	63.90
J-1466	778.27	439.50	920.64	61.59
J-1472	784.82	0.00	919.61	58.32
J-1473	779.30	0.00	919.63	60.71
J-1474	777.97	0.00	919.65	61.30
J-1475	777.71	81.00	919.66	61.42
J-1476	777.35	0.00	919.89	61.67
J-1484	773.00	0.00	924.92	65.73
J-1485	770.00	0.00	924.92	67.03
J-1487	774.65	0.00	924.92	65.01
J-1498	772.00	19.50	924.92	66.16
J-1649	772.19	439.50	920.37	64.11

EXISTING SYSTEM
FIRE FLOW RESULTS

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-2	400	J-4	J-5	6.0	PVC	120.0	0.350	42.90	0.49
P-3	372	J-5	J-6	6.0	PVC	120.0	0.500	144.30	1.64
P-4	406	J-6	J-7	6.0	PVC	120.0	0.500	141.26	1.60
P-6	362	J-7	J-9	6.0	PVC	120.0	0.350	84.92	0.96
P-7	385	J-9	J-10	6.0	PVC	120.0	0.800	52.77	0.60
P-8	595	J-6	J-11	8.0	PVC	120.0	0.000	0.00	0.00
P-9	388	J-12	J-4	6.0	PVC	120.0	1.280	66.90	0.76
P-11	399	J-12	J-14	8.0	PVC	120.0	1.280	119.27	0.76
P-12	388	J-5	J-14	8.0	PVC	120.0	1.280	114.90	0.73
P-13	186	J-14	J-15	8.0	PVC	120.0	0.350	4.37	0.03
P-14	180	J-15	J-16	8.0	PVC	120.0	0.000	4.39	0.03
P-15	395	J-16	J-17	8.0	PVC	120.0	0.750	161.09	1.03
P-16	374	J-17	J-18	8.0	PVC	120.0	0.750	347.34	2.22
P-17	388	J-18	J-19	8.0	PVC	120.0	0.750	294.62	1.88
P-18	400	J-19	J-20	8.0	PVC	120.0	0.750	284.10	1.81
P-19	394	J-20	J-21	8.0	PVC	120.0	0.350	160.78	1.03
P-20	379	J-21	J-22	8.0	PVC	120.0	0.750	162.03	1.03
P-21	373	J-22	J-23	8.0	PVC	120.0	0.350	138.31	0.88
P-22	377	J-23	J-24	8.0	PVC	120.0	0.750	131.71	0.84
P-23	393	J-24	J-25	8.0	PVC	120.0	1.280	77.53	0.49
P-24	375	J-15	J-26	2.0	PVC	120.0	1.280	8.75	0.89
P-25	571	J-26	J-6	8.0	PVC	120.0	0.750	3.04	0.02
P-26	184	J-26	J-27	8.0	PVC	120.0	0.350	11.79	0.08
P-27	393	J-27	J-28	8.0	PVC	120.0	0.750	12.26	0.08
P-28	377	J-28	J-29	8.0	PVC	120.0	1.280	105.38	0.67
P-30	387	J-31	J-17	12.0	PVC	120.0	0.500	886.91	2.52
P-31	385	J-31	J-32	8.0	PVC	120.0	0.350	228.17	1.46
P-32	147	J-33	J-16	6.0	PVC	120.0	0.500	0.00	0.00
P-33	376	J-16	J-27	6.0	PVC	120.0	0.500	156.71	1.78
P-34	404	J-27	J-34	6.0	PVC	120.0	0.350	140.26	1.59
P-35	354	J-34	J-40	6.0	PVC	120.0	0.350	98.57	1.12
P-36	392	J-40	J-36	6.0	PVC	120.0	0.500	98.66	1.12
P-38	387	J-37	J-38	6.0	PVC	120.0	0.350	81.75	0.93
P-39	371	J-38	J-39	6.0	PVC	120.0	0.200	56.88	0.65
P-41	371	J-40	J-41	8.0	PVC	120.0	1.280	15.32	0.10
P-42	27	J-41	J-42	8.0	PVC	120.0	0.350	9.41	0.06
P-43	379	J-42	J-43	8.0	PVC	120.0	0.750	44.22	0.28
P-45	366	J-45	J-295	6.0	PVC	120.0	1.280	80.03	0.91
P-47	360	J-9	J-45	6.0	PVC	120.0	1.280	32.15	0.36
P-48	389	J-45	J-48	6.0	PVC	120.0	0.500	54.77	0.62
P-50	398	J-36	J-48	6.0	PVC	120.0	0.750	80.54	0.91
P-52	358	J-48	J-10	6.0	PVC	120.0	0.000	36.27	0.41
P-53	356	J-48	J-50	2.0	PVC	120.0	0.000	0.00	0.00
P-55	388	J-51	J-18	8.0	PVC	120.0	0.500	121.37	0.77
P-56	185	J-51	J-52	8.0	PVC	120.0	0.000	441.86	2.82
P-57	376	J-17	J-28	8.0	PVC	120.0	0.500	378.47	2.42
P-59	389	J-42	J-53	8.0	PVC	120.0	0.500	226.02	1.44
P-60	381	J-53	J-54	8.0	PVC	120.0	0.000	178.78	1.14
P-61	384	J-54	J-55	8.0	PVC	120.0	0.350	178.78	1.14
P-62	404	J-55	J-58	8.0	PVC	120.0	0.500	168.52	1.08
P-64	386	J-58	J-59	8.0	PVC	120.0	1.280	112.17	0.72
P-65	390	J-59	J-39	8.0	PVC	120.0	0.500	32.99	0.21
P-67	338	J-37	J-61	6.0	PVC	120.0	0.750	0.00	0.00
P-69	375	J-55	J-37	6.0	PVC	120.0	1.280	10.25	0.12
P-70	391	J-58	J-38	2.0	PVC	120.0	1.280	0.63	0.06
P-71	362	J-36	J-62	8.0	PVC	120.0	0.750	74.71	0.48
P-72	29	J-62	J-53	8.0	PVC	120.0	0.350	80.62	0.51
P-75	340	J-43	J-65	6.0	PVC	120.0	0.000	0.00	0.00
P-76	376	J-18	J-29	8.0	PVC	120.0	0.350	174.09	1.11
P-78	383	J-66	J-19	8.0	PVC	120.0	1.280	43.75	0.28
P-80	221	J-43	J-79	8.0	PVC	120.0	0.750	248.69	1.59
P-82	389	J-41	J-62	2.0	PVC	120.0	1.280	5.91	0.60
P-83	132	J-68	J-69	6.0	PVC	120.0	0.800	0.00	0.00
P-85	384	J-445	J-68	8.0	PVC	120.0	0.350	4.50	0.03
P-87	389	J-71	J-21	8.0	PVC	120.0	0.500	76.65	0.49
P-88	626	J-20	J-72	6.0	PVC	120.0	1.280	96.32	1.09
P-97	393	J-73	J-81	8.0	PVC	120.0	0.750	150.26	0.96
P-99	299	J-80	J-81	3.0	PVC	120.0	0.500	0.00	0.00
P-100	369	J-81	J-63	8.0	PVC	120.0	0.350	106.19	0.68
P-101	366	J-63	J-82	8.0	PVC	120.0	0.350	216.05	1.38
P-103	20	J-83	J-84	8.0	PVC	120.0	0.500	124.54	0.79
P-104	369	J-84	J-85	8.0	PVC	120.0	1.280	78.90	0.50
P-107	374	J-59	J-86	8.0	PVC	120.0	0.350	41.68	0.27
P-109	390	J-86	J-85	8.0	PVC	120.0	0.750	15.74	0.10
P-110	389	J-85	J-88	8.0	PVC	120.0	1.280	9.16	0.06
P-111	368	J-88	J-75	8.0	PVC	120.0	0.350	67.47	0.43
P-112	390	J-75	J-84	8.0	PVC	120.0	0.750	41.29	0.26
P-113	214	J-86	J-89	8.0	PVC	120.0	0.350	61.77	0.39
P-114	166	J-89	J-90	8.0	PVC	120.0	1.280	(N/A)	(N/A)
P-115	178	J-89	J-92	8.0	PVC	120.0	0.500	61.77	0.39
P-116	157	J-92	J-93	8.0	PVC	120.0	0.500	16.19	0.10
P-117	284	J-94	J-95	6.0	PVC	120.0	0.000	0.00	0.00
P-118	491	J-95	J-96	2.0	PVC	120.0	1.280	0.00	0.00
P-119	220	J-95	J-97	6.0	PVC	120.0	0.350	12.00	0.14
P-120	282	J-97	J-93	2.0	PVC	120.0	0.300	0.19	0.02
P-121	432	J-93	J-98	2.0	PVC	120.0	0.300	4.38	0.45

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-122	209	J-97	J-92	8.0	PVC	120.0	0.500	12.19	0.08
P-125	387	J-99	J-100	8.0	PVC	120.0	0.000	4.65	0.03
P-126	34	J-100	J-101	8.0	PVC	120.0	1.280	27.64	0.18
P-127	371	J-102	J-103	8.0	PVC	120.0	0.350	95.29	0.61
P-128	377	J-103	J-100	8.0	PVC	120.0	0.800	32.29	0.21
P-129	291	J-103	J-104	8.0	PVC	120.0	1.280	0.00	0.00
P-130	384	J-88	J-99	8.0	PVC	120.0	0.500	76.63	0.49
P-131	213	J-99	J-105	8.0	PVC	120.0	0.500	96.68	0.62
P-132	421	J-105	J-98	8.0	PVC	120.0	0.300	145.68	0.93
P-134	107	J-106	J-107	8.0	PVC	120.0	0.500	102.06	0.65
P-137	420	J-110	J-111	8.0	PVC	120.0	0.300	29.41	0.19
P-138	420	J-111	J-112	8.0	PVC	120.0	0.300	56.74	0.36
P-139	417	J-112	J-101	8.0	PVC	120.0	0.000	37.86	0.24
P-141	444	J-101	J-105	8.0	PVC	120.0	0.350	65.50	0.42
P-143	606	J-114	J-112	2.0	PVC	120.0	0.500	2.12	0.22
P-144	400	J-114	J-102	6.0	PVC	120.0	0.750	19.86	0.23
P-145	380	J-102	J-75	6.0	PVC	120.0	0.750	11.02	0.13
P-146	379	J-114	J-115	6.0	PVC	120.0	0.750	23.09	0.26
P-147	292	J-115	J-116	6.0	PVC	120.0	0.750	18.51	0.21
P-148	89	J-116	J-117	6.0	PVC	120.0	1.280	18.51	0.21
P-149	429	J-111	J-115	6.0	PVC	120.0	0.500	27.33	0.31
P-150	387	J-115	J-118	6.0	PVC	120.0	0.500	22.75	0.26
P-151	406	J-118	J-119	6.0	PVC	120.0	0.350	24.48	0.28
P-152	372	J-118	J-120	2.0	PVC	120.0	1.280	1.73	0.18
P-154	9	J-122	J-123	6.0	PVC	120.0	0.750	84.73	0.96
P-155	381	J-122	J-24	6.0	PVC	120.0	0.500	28.69	0.33
P-157	385	J-124	J-125	6.0	PVC	120.0	0.500	24.89	0.28
P-158	383	J-125	J-126	6.0	PVC	120.0	0.350	22.42	0.25
P-159	374	J-126	J-127	6.0	PVC	120.0	0.500	21.15	0.24
P-160	406	J-127	J-120	6.0	PVC	120.0	0.350	36.23	0.41
P-161	383	J-120	J-117	6.0	PVC	120.0	0.350	1.04	0.01
P-162	261	J-117	J-110	6.0	PVC	120.0	0.500	17.47	0.20
P-163	392	J-109	J-127	8.0	PVC	120.0	1.280	16.02	0.10
P-164	372	J-127	J-119	8.0	PVC	120.0	0.750	31.10	0.20
P-166	402	J-443	J-74	8.0	PVC	120.0	0.750	88.55	0.57
P-167	397	J-74	J-82	8.0	PVC	120.0	1.280	94.72	0.60
P-170	383	J-25	J-130	8.0	PVC	120.0	0.350	41.23	0.26
P-171	415	J-130	J-131	8.0	PVC	120.0	0.750	9.00	0.06
P-172	363	J-131	J-132	8.0	PVC	120.0	0.350	0.00	0.00
P-173(1)	62	J-132	PRV-12	6.0	PVC	120.0	0.200	(N/A)	(N/A)
P-173(2)	201	PRV-12	J-133	6.0	PVC	120.0	0.200	(N/A)	(N/A)
P-174	263	J-133	J-134	6.0	PVC	120.0	1.280	0.00	0.00
P-175	310	J-133	J-135	6.0	PVC	120.0	0.350	24.00	0.27
P-177	306	J-136	J-137	6.0	PVC	120.0	0.350	72.00	0.82
P-178	322	J-137	J-138	6.0	PVC	120.0	0.350	61.58	0.70
P-179	254	J-138	J-139	6.0	PVC	120.0	0.350	52.65	0.60
P-181	235	J-139	J-141	6.0	PVC	120.0	0.350	12.00	0.14
P-182	22	J-142	J-143	2.0	PVC	120.0	0.750	0.00	0.00
P-183	49	J-143	J-144	2.0	PVC	120.0	0.000	0.00	0.00
P-185	228	J-145	J-146	6.0	PVC	120.0	0.000	0.00	0.00
P-195	384	J-151	J-22	8.0	PVC	120.0	1.280	31.79	0.20
P-196	377	J-130	J-123	8.0	PVC	120.0	0.000	84.73	0.54
P-198	359	J-132	J-153	2.0	PVC	120.0	1.280	0.00	0.00
P-199	359	J-131	J-154	6.0	PVC	120.0	1.280	9.00	0.10
P-201	383	J-156	J-23	8.0	PVC	120.0	0.500	6.61	0.04
P-203	391	J-151	J-71	8.0	PVC	120.0	0.750	176.09	1.12
P-204	256	J-71	J-158	8.0	PVC	120.0	0.000	171.17	1.09
P-205	378	J-122	J-156	8.0	PVC	120.0	0.750	113.41	0.72
P-206	361	J-156	J-151	8.0	PVC	120.0	0.750	144.30	0.92
P-207	380	J-124	J-159	6.0	PVC	120.0	0.750	24.84	0.28
P-210	379	J-162	J-159	8.0	PVC	120.0	0.500	24.84	0.16
P-211	65	J-159	J-163	0.8	PVC	120.0	0.750	0.00	0.00
P-212	378	J-125	J-162	6.0	PVC	120.0	0.750	11.44	0.13
P-213	359	J-162	J-165	6.0	PVC	120.0	0.750	11.97	0.14
P-215	388	J-165	J-166	6.0	PVC	120.0	0.750	69.23	0.79
P-216	401	J-166	J-73	6.0	PVC	120.0	0.750	83.56	0.95
P-217	528	J-166	J-167	6.0	PVC	120.0	0.500	75.41	0.86
P-218	225	J-167	J-168	6.0	PVC	120.0	0.350	75.41	0.86
P-219	112	J-167	J-169	6.0	PVC	120.0	1.280	0.00	0.00
P-220	378	J-165	J-170	8.0	PVC	120.0	0.500	0.00	0.00
P-221	376	J-165	J-171	8.0	PVC	120.0	0.500	37.76	0.24
P-222	75	J-126	J-172	2.0	PVC	120.0	1.280	1.26	0.13
P-223	299	J-172	J-160	3.0	PVC	120.0	0.750	1.26	0.06
P-224	410	J-160	J-171	3.0	PVC	120.0	0.750	2.86	0.13
P-225	181	J-171	J-173	3.0	PVC	120.0	0.000	0.00	0.00
P-226	398	J-166	J-174	8.0	PVC	120.0	0.000	89.75	0.57
P-227	350	J-174	J-443	8.0	PVC	120.0	0.500	89.75	0.57
P-228	370	J-160	J-119	8.0	PVC	120.0	0.500	14.88	0.09
P-229	488	J-110	J-175	2.0	PVC	120.0	0.000	0.00	0.00
P-230	210	J-176	J-177	2.0	PVC	120.0	0.500	15.00	1.53
P-231	386	J-177	J-178	2.0	PVC	120.0	0.300	0.00	0.00
P-232	78	J-177	J-179	2.0	PVC	120.0	0.800	15.00	1.53
P-233	361	J-180	J-181	2.0	PVC	120.0	1.280	7.50	0.77
P-235	220	J-183	J-184	2.0	PVC	120.0	0.750	0.00	0.00
P-239	420	J-185	J-182	6.0	PVC	120.0	1.280	29.47	0.33
P-240	280	J-60	J-186	6.0	PVC	120.0	0.800	89.88	1.02

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-241	143	J-186	J-185	6.0	PVC	120.0	0.350	145.50	1.65
P-243	297	J-187	J-188	6.0	PVC	120.0	1.280	202.08	2.29
P-244	215	J-187	J-189	6.0	PVC	120.0	0.350	114.95	1.30
P-245	218	J-189	J-190	6.0	PVC	120.0	0.350	76.42	0.87
P-248	23	J-192	J-193	6.0	PVC	120.0	1.280	23.76	0.27
P-250	47	J-194	J-196	6.0	PVC	120.0	0.350	71.45	0.81
P-252	84	J-197	J-198	6.0	PVC	120.0	0.500	41.84	0.47
P-253	126	J-197	J-199	6.0	PVC	120.0	0.500	34.12	0.39
P-254	160	J-199	J-192	6.0	PVC	120.0	1.280	14.77	0.17
P-255	434	J-200	J-201	2.0	PVC	120.0	0.500	0.00	0.00
P-258	166	J-193	J-199	8.0	PVC	120.0	0.350	20.76	0.13
P-259	68	J-199	J-198	8.0	PVC	120.0	0.750	1.42	0.01
P-262	150	J-203	J-204	6.0	PVC	120.0	0.000	5.62	0.06
P-264	437	J-194	J-206	8.0	PVC	120.0	0.350	48.58	0.31
P-265	287	J-206	J-207	8.0	PVC	120.0	0.350	36.55	0.23
P-266	294	J-207	J-107	8.0	PVC	120.0	0.350	26.94	0.17
P-268	558	J-106	J-209	6.0	PVC	120.0	1.280	12.00	0.14
P-269	498	J-209	J-210	6.0	PVC	120.0	0.500	0.00	0.00
P-270	651	J-209	J-211	6.0	PVC	120.0	0.000	0.00	0.00
P-272	331	J-212	J-213	6.0	PVC	120.0	1.280	5.58	0.06
P-274	487	J-212	J-214	6.0	PVC	120.0	0.350	2.81	0.03
P-275	313	J-214	J-215	6.0	PVC	120.0	0.350	32.81	0.37
P-276	187	J-215	J-216	6.0	PVC	120.0	0.000	41.81	0.47
P-277	202	J-213	J-217	4.0	PVC	120.0	0.750	4.50	0.11
P-278	305	J-214	J-218	4.0	PVC	120.0	1.280	10.50	0.27
P-279	305	J-215	J-219	4.0	PVC	120.0	1.280	9.00	0.23
P-280	307	J-213	J-204	8.0	PVC	120.0	0.350	28.05	0.18
P-282	492	J-204	J-221	8.0	PVC	120.0	1.280	33.68	0.21
P-283	308	J-221	J-222	8.0	PVC	120.0	0.350	63.68	0.41
P-285	261	J-223	J-224	8.0	PVC	120.0	0.350	262.99	1.68
P-286	261	J-224	J-225	8.0	PVC	120.0	0.350	280.99	1.79
P-287	158	J-225	J-226	8.0	PVC	120.0	0.350	297.49	1.90
P-288	287	J-226	J-227	8.0	PVC	120.0	1.280	297.49	1.90
P-289	304	J-221	J-228	4.0	PVC	120.0	1.280	9.00	0.23
P-290	304	J-222	J-229	4.0	PVC	120.0	1.280	9.00	0.23
P-291	386	J-223	J-230	6.0	PVC	120.0	1.280	16.50	0.19
P-292	387	J-224	J-231	6.0	PVC	120.0	1.280	18.00	0.20
P-293	385	J-225	J-232	6.0	PVC	120.0	1.280	16.50	0.19
P-294	171	J-226	J-233	2.0	PVC	120.0	1.280	0.00	0.00
P-295	565	J-234	J-227	12.0	PVC	120.0	0.350	214.08	0.61
P-301	395	J-238	J-239	8.0	PVC	120.0	0.000	0.00	0.00
P-302	619	J-239	J-240	8.0	PVC	120.0	1.280	0.00	0.00
P-304	308	J-241	J-242	10.0	PVC	120.0	0.300	9.00	0.04
P-312	554	J-250	J-251	10.0	PVC	120.0	1.280	69.00	0.28
P-313	653	J-252	J-253	10.0	PVC	120.0	0.000	0.00	0.00
P-314	333	J-253	J-254	10.0	PVC	120.0	0.350	36.54	0.15
P-315	275	J-253	J-251	8.0	PVC	120.0	1.280	36.54	0.23
P-317	541	J-255	J-256	8.0	PVC	120.0	1.280	0.54	0.00
P-318	342	J-256	J-254	8.0	PVC	120.0	0.350	21.54	0.14
P-321	238	J-258	J-259	6.0	PVC	120.0	0.800	0.00	0.00
P-322	351	J-258	J-260	6.0	PVC	120.0	0.000	0.00	0.00
P-325	394	J-262	J-263	6.0	PVC	120.0	0.350	3.00	0.03
P-327	337	J-264	J-261	6.0	PVC	120.0	0.000	0.22	0.00
P-329	461	J-265	J-262	6.0	PVC	120.0	0.800	2.78	0.03
P-331	238	J-7	J-266	1.5	PVC	120.0	0.000	0.00	0.00
P-332	462	J-196	J-267	3.0	PVC	120.0	1.280	4.50	0.20
P-333	390	J-40	J-45	8.0	PVC	120.0	1.280	34.91	0.22
P-334	169	J-72	J-268	3.0	PVC	120.0	1.280	0.00	0.00
P-336	436	J-269	J-136	6.0	PVC	120.0	0.800	29.65	0.34
P-338	319	J-270	J-147	6.0	PVC	120.0	0.800	49.42	0.56
P-339	458	J-137	J-271	6.0	PVC	120.0	1.280	10.42	0.12
P-340	512	J-271	J-270	6.0	PVC	120.0	0.000	49.42	0.56
P-341	502	J-147	J-272	6.0	PVC	120.0	1.280	40.43	0.46
P-342	403	J-272	J-138	6.0	PVC	120.0	1.280	8.93	0.10
P-343	414	J-139	J-273	6.0	PVC	120.0	1.280	64.65	0.73
P-344	439	J-273	J-148	6.0	PVC	120.0	0.350	64.65	0.73
P-346	101	J-274	J-150	8.0	PVC	120.0	0.000	0.00	0.00
P-347	539	J-149	J-276	8.0	PVC	120.0	0.350	21.00	0.13
P-348	549	J-276	J-274	8.0	PVC	120.0	0.800	21.00	0.13
P-349	504	J-149	J-277	8.0	PVC	120.0	0.200	198.00	1.26
P-350	349	J-277	J-143	8.0	PVC	120.0	0.000	198.00	1.26
P-351	438	J-148	J-278	6.0	PVC	120.0	0.200	154.50	1.75
P-352	523	J-278	J-149	6.0	PVC	120.0	1.280	177.00	2.01
P-353	183	J-148	J-279	6.0	PVC	120.0	1.280	89.85	1.02
P-354	240	J-279	J-147	6.0	PVC	120.0	0.350	89.85	1.02
P-355	356	J-145	J-280	6.0	PVC	120.0	0.350	6.35	0.07
P-356	416	J-280	J-136	6.0	PVC	120.0	1.280	42.35	0.48
P-357	334	J-135	J-281	6.0	PVC	120.0	0.800	17.65	0.20
P-358	312	J-281	J-269	6.0	PVC	120.0	0.000	29.65	0.34
P-359	676	J-143	J-282	8.0	PVC	120.0	0.500	198.00	1.26
P-361	528	J-282	J-387	8.0	PVC	120.0	0.000	208.50	1.33
P-362	604	J-283	J-151	8.0	PVC	120.0	0.500	0.00	0.00
P-363	371	J-155	J-284	8.0	PVC	120.0	0.000	0.00	0.00
P-364	384	J-284	J-156	8.0	PVC	120.0	0.500	37.50	0.24
P-365	384	J-121	J-285	6.0	PVC	120.0	0.000	0.00	0.00
P-366	389	J-285	J-122	6.0	PVC	120.0	0.500	0.00	0.00

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-367	384	J-152	J-286	8.0	PVC	120.0	0.000	0.00	0.00
P-368	390	J-286	J-130	8.0	PVC	120.0	0.500	34.50	0.22
P-369	362	J-129	J-287	8.0	PVC	120.0	0.350	102.26	0.65
P-370	358	J-287	J-25	8.0	PVC	120.0	0.350	102.26	0.65
P-371	361	J-24	J-288	6.0	PVC	120.0	0.500	58.86	0.67
P-372	367	J-288	J-124	6.0	PVC	120.0	0.500	58.86	0.67
P-373	418	J-445	J-289	8.0	PVC	120.0	1.280	101.08	0.65
P-374	381	J-289	J-71	8.0	PVC	120.0	0.500	81.58	0.52
P-375	379	J-66	J-290	8.0	PVC	120.0	0.350	276.75	1.77
P-376	363	J-290	J-445	8.0	PVC	120.0	1.280	105.58	0.67
P-380	377	J-421	J-31	12.0	PVC	120.0	0.500	1,583.93	4.49
P-381	365	J-13	J-293	8.0	PVC	120.0	0.000	0.00	0.00
P-382	375	J-293	J-12	8.0	PVC	120.0	0.500	0.00	0.00
P-383	374	J-3	J-294	6.0	PVC	120.0	0.000	0.00	0.00
P-384	369	J-294	J-4	6.0	PVC	120.0	0.350	24.00	0.27
P-386	358	J-295	J-7	6.0	PVC	120.0	0.750	38.34	0.44
P-387	399	J-34	J-295	6.0	PVC	120.0	0.500	41.69	0.47
P-389	380	J-28	J-297	8.0	PVC	120.0	0.000	260.83	1.66
P-390	381	J-297	J-42	8.0	PVC	120.0	0.500	260.83	1.66
P-391	375	J-29	J-298	8.0	PVC	120.0	0.000	249.47	1.59
P-392	386	J-298	J-43	8.0	PVC	120.0	0.500	249.47	1.59
P-395	428	J-39	J-300	8.0	PVC	120.0	0.300	89.88	0.57
P-396	440	J-300	J-60	8.0	PVC	120.0	0.000	89.88	0.57
P-397	435	J-183	J-301	6.0	PVC	120.0	0.200	93.53	1.06
P-398	322	J-301	J-185	6.0	PVC	120.0	0.000	116.03	1.32
P-400	522	J-302	J-183	6.0	PVC	120.0	0.500	99.00	1.12
P-401	221	J-180	J-501	6.0	PVC	120.0	0.350	82.50	0.94
P-402	599	J-303	J-302	6.0	PVC	120.0	0.100	99.00	1.12
P-403	547	J-179	J-304	6.0	PVC	120.0	0.800	15.00	0.17
P-404	534	J-304	J-180	6.0	PVC	120.0	0.350	75.00	0.85
P-405	434	J-186	J-305	8.0	PVC	120.0	1.280	66.12	0.42
P-407	291	J-305	J-306	8.0	PVC	120.0	0.000	66.12	0.42
P-409	429	J-306	J-307	8.0	PVC	120.0	0.000	66.12	0.42
P-411	424	J-307	J-308	8.0	PVC	120.0	0.000	87.12	0.56
P-413	358	J-308	J-309	8.0	PVC	120.0	0.800	87.12	0.56
P-414	346	J-309	J-187	6.0	PVC	120.0	0.000	87.12	0.99
P-415	498	J-189	J-310	6.0	PVC	120.0	1.280	38.54	0.44
P-416	494	J-310	J-191	6.0	PVC	120.0	0.000	38.54	0.44
P-417	495	J-191	J-311	6.0	PVC	120.0	0.000	38.54	0.44
P-418	379	J-311	J-192	6.0	PVC	120.0	0.350	38.54	0.44
P-419	365	J-198	J-312	8.0	PVC	120.0	1.280	40.42	0.26
P-421	495	J-312	J-313	8.0	PVC	120.0	0.000	40.42	0.26
P-423	491	J-313	J-314	8.0	PVC	120.0	0.000	76.42	0.49
P-424	507	J-314	J-190	8.0	PVC	120.0	0.800	76.42	0.49
P-425	96	J-200	J-315	8.0	PVC	120.0	0.200	3.00	0.02
P-426	182	J-315	J-193	8.0	PVC	120.0	0.800	3.00	0.02
P-427	156	J-202	J-317	8.0	PVC	120.0	0.200	0.00	0.00
P-428	84	J-317	J-200	8.0	PVC	120.0	0.300	0.00	0.00
P-429	379	J-196	J-318	6.0	PVC	120.0	0.000	75.95	0.86
P-430	439	J-318	J-197	6.0	PVC	120.0	0.300	75.95	0.86
P-431	418	J-194	J-319	6.0	PVC	120.0	1.280	22.88	0.26
P-432	448	J-319	J-203	6.0	PVC	120.0	1.280	7.88	0.09
P-433	147	J-203	J-322	4.0	PVC	120.0	0.800	13.50	0.34
P-434	209	J-322	J-205	4.0	PVC	120.0	0.000	0.00	0.00
P-435	397	J-222	J-323	8.0	PVC	120.0	0.200	72.68	0.46
P-437	693	J-323	J-324	8.0	PVC	120.0	0.200	93.68	0.60
P-439	555	J-324	J-325	8.0	PVC	120.0	0.800	113.18	0.72
P-440	283	J-325	J-223	8.0	PVC	120.0	0.350	246.49	1.57
P-441	679	J-227	J-326	12.0	PVC	120.0	0.000	552.06	1.57
P-443	549	J-326	J-327	12.0	PVC	120.0	0.000	558.06	1.58
P-444	176	J-327	J-651	12.0	PVC	120.0	0.000	579.06	1.64
P-445	307	J-236	J-652	16.0	PVC	120.0	0.000	579.06	0.92
P-447(1)	262	J-328	J-1487	16.0	PVC	120.0	0.350	1,458.06	2.33
P-447(2)	227	J-1487	J-329	16.0	PVC	120.0	0.000	1,477.56	2.36
P-449	466	J-329	J-330	16.0	PVC	120.0	0.000	1,477.56	2.36
P-451	609	J-330	J-331	16.0	PVC	120.0	0.000	1,477.56	2.36
P-453	397	J-331	J-332	16.0	PVC	120.0	0.000	1,477.56	2.36
P-454	387	J-332	J-237	16.0	PVC	120.0	0.000	1,477.56	2.36
P-457	519	J-237	J-334	16.0	PVC	120.0	0.000	1,477.56	2.36
P-458	509	J-334	J-333	16.0	PVC	120.0	0.000	1,477.56	2.36
P-459	466	J-333	J-870	16.0	PVC	120.0	0.000	1,479.06	2.36
P-460	568	J-335	J-235	16.0	PVC	120.0	0.800	1,479.06	2.36
P-463	287	J-239	J-337	8.0	PVC	120.0	0.350	9.00	0.06
P-464	381	J-337	J-336	8.0	PVC	120.0	0.000	9.00	0.06
P-465	442	J-336	J-338	8.0	PVC	120.0	0.000	9.00	0.06
P-466	522	J-338	J-241	8.0	PVC	120.0	0.500	9.00	0.06
P-467	509	J-255	J-339	8.0	PVC	120.0	0.000	0.00	0.00
P-468	395	J-339	J-257	8.0	PVC	120.0	0.000	0.00	0.00
P-469	262	J-251	J-340	8.0	PVC	120.0	0.350	32.46	0.21
P-471	394	J-340	J-341	8.0	PVC	120.0	0.800	32.46	0.21
P-472	284	J-341	J-255	8.0	PVC	120.0	0.350	0.54	0.00
P-475	597	J-256	J-343	8.0	PVC	120.0	0.000	21.00	0.13
P-476	431	J-343	J-342	8.0	PVC	120.0	0.000	21.00	0.13
P-477	452	J-342	J-344	8.0	PVC	120.0	0.000	21.00	0.13
P-478	502	J-344	J-243	8.0	PVC	120.0	0.800	21.00	0.13
P-481	433	J-345	J-346	10.0	PVC	120.0	0.000	13.50	0.06

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-482	470	J-346	J-243	10.0	PVC	120.0	0.000	21.00	0.09
P-483	403	J-242	J-347	10.0	PVC	120.0	0.000	9.00	0.04
P-484	443	J-347	J-345	10.0	PVC	120.0	0.000	13.50	0.06
P-487	341	J-262	J-349	6.0	PVC	120.0	0.500	0.22	0.00
P-488	316	J-349	J-264	6.0	PVC	120.0	0.000	0.22	0.00
P-489	154	J-261	J-350	6.0	PVC	120.0	1.280	2.78	0.03
P-490	682	J-350	J-265	6.0	PVC	120.0	0.800	2.78	0.03
P-495	627	J-260	J-353	6.0	PVC	120.0	0.200	3.00	0.03
P-497	403	J-353	J-354	6.0	PVC	120.0	0.000	3.00	0.03
P-498	479	J-354	J-351	6.0	PVC	120.0	0.000	3.00	0.03
P-499	386	J-351	J-355	6.0	PVC	120.0	0.000	3.00	0.03
P-500	422	J-355	J-352	6.0	PVC	120.0	0.000	3.00	0.03
P-501	365	J-352	J-356	6.0	PVC	120.0	0.000	3.00	0.03
P-502	390	J-356	J-261	6.0	PVC	120.0	0.350	3.00	0.03
P-503	404	J-109	J-357	8.0	PVC	120.0	0.000	55.45	0.35
P-505	471	J-357	J-358	8.0	PVC	120.0	0.200	37.45	0.24
P-506	424	J-358	J-110	8.0	PVC	120.0	0.750	37.45	0.24
P-507	436	J-98	J-359	8.0	PVC	120.0	0.500	150.06	0.96
P-509	472	J-359	J-360	8.0	PVC	120.0	0.100	150.06	0.96
P-510	426	J-360	J-106	8.0	PVC	120.0	0.350	150.06	0.96
P-513	310	J-361	J-362	8.0	PVC	120.0	0.000	123.00	0.79
P-514	302	J-362	J-208	8.0	PVC	120.0	0.000	123.00	0.79
P-515	308	J-107	J-363	8.0	PVC	120.0	0.000	129.00	0.82
P-516	308	J-363	J-361	8.0	PVC	120.0	0.000	129.00	0.82
P-517	384	J-82	J-364	8.0	PVC	120.0	0.000	121.33	0.77
P-518	386	J-364	J-83	8.0	PVC	120.0	0.350	121.33	0.77
P-519	369	J-84	J-365	3.0	PVC	120.0	0.800	4.36	0.20
P-520	371	J-365	J-86	3.0	PVC	120.0	0.500	4.36	0.20
P-521	378	J-83	J-366	8.0	PVC	120.0	1.280	55.72	0.36
P-522	385	J-366	J-58	8.0	PVC	120.0	0.750	55.72	0.36
P-523	380	J-36	J-367	6.0	PVC	120.0	0.000	104.50	1.19
P-524	387	J-367	J-37	6.0	PVC	120.0	0.500	71.50	0.81
P-525	387	J-53	J-368	8.0	PVC	120.0	0.750	109.86	0.70
P-527	111	J-135	J-369	6.0	PVC	120.0	1.280	6.35	0.07
P-528	357	J-369	J-145	6.0	PVC	120.0	1.280	6.35	0.07
P-530	362	J-370	J-109	8.0	PVC	120.0	0.350	39.42	0.25
P-531	391	J-119	J-113	8.0	PVC	120.0	0.750	40.70	0.26
P-532	364	J-113	J-443	8.0	PVC	120.0	0.750	82.73	0.53
P-533	399	J-113	J-372	8.0	PVC	120.0	0.350	48.42	0.31
P-534	393	J-372	J-114	8.0	PVC	120.0	0.500	45.07	0.29
P-535	363	J-73	J-373	6.0	PVC	120.0	0.000	82.02	0.93
P-536	379	J-373	J-74	6.0	PVC	120.0	0.500	52.02	0.59
P-537	400	J-74	J-374	6.0	PVC	120.0	0.000	58.20	0.66
P-538	391	J-374	J-75	6.0	PVC	120.0	0.500	37.20	0.42
P-539	371	J-19	J-375	8.0	PVC	120.0	0.500	7.77	0.05
P-540	327	J-375	J-299	8.0	PVC	120.0	0.100	7.77	0.05
P-541	386	J-92	J-376	8.0	PVC	120.0	0.750	33.39	0.21
P-542	393	J-376	J-99	8.0	PVC	120.0	0.750	15.39	0.10
P-543	528	J-182	J-377	2.0	PVC	120.0	0.200	5.47	0.56
P-544	257	J-377	J-183	2.0	PVC	120.0	0.800	5.47	0.56
P-546	140	J-378	J-206	6.0	PVC	120.0	1.280	12.03	0.14
P-547	472	J-213	J-379	6.0	PVC	120.0	0.500	0.03	0.00
P-548	362	J-379	J-378	6.0	PVC	120.0	0.350	12.03	0.14
P-549	223	J-207	J-380	6.0	PVC	120.0	1.280	9.61	0.11
P-551	307	J-380	J-381	6.0	PVC	120.0	0.350	9.61	0.11
P-553	303	J-381	J-382	6.0	PVC	120.0	0.000	8.39	0.10
P-554	345	J-382	J-212	6.0	PVC	120.0	0.350	8.39	0.10
P-556	58	City Hill Tank	J-30	12.0	PVC	120.0	0.000	1,583.93	4.49
P-559	327	J-2	J-385	6.0	PVC	120.0	0.000	0.00	0.00
P-560	375	J-385	J-291	6.0	PVC	120.0	0.000	0.00	0.00
P-569(1)	41	J-283	PRV-13	8.0	PVC	120.0	0.000	(N/A)	(N/A)
P-569(2)	36	PRV-13	J-392	8.0	PVC	120.0	0.000	(N/A)	(N/A)
P-571	18	R-7	GPV-1	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-572	13	GPV-1	Well 3	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-573	16	Well 3	J-157	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-574	52	R-8	GPV-2	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-575	55	GPV-2	Well 1	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-576	49	Well 1	J-82	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-577	37	R-9	GPV-3	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-578	31	GPV-3	Well 2	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-579	26	Well 2	J-90	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-601	86	Airport GST	Airport-3	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-602	119	Airport-3	J-391	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-603	62	J-391	J-260	6.0	PVC	120.0	0.000	3.00	0.03
P-604	111	Airport GST	Airport-1	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-605	99	Airport-1	J-391	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-611	10	J-392	J-387	8.0	PVC	120.0	0.800	208.50	1.33
P-616	96	Airport GST	Airport-2	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-617	93	Airport-2	J-391	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-631	534	J-1409	J-241	10.0	PVC	120.0	0.000	0.00	0.00
P-690	371	J-291	J-51	6.0	PVC	120.0	0.500	0.00	0.00
P-692	354	J-30	J-421	12.0	PVC	120.0	0.800	1,583.93	4.49
P-717	62	J-23	J-426	8.0	PVC	120.0	0.350	0.00	0.00
P-718	66	J-426	J-157	8.0	PVC	120.0	1.280	(N/A)	(N/A)
P-741	389	J-431	J-370	8.0	PVC	120.0	0.000	60.42	0.39
P-742	391	J-125	J-431	6.0	PVC	120.0	1.280	8.97	0.10

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-743	399	J-129	J-431	8.0	PVC	120.0	0.350	69.39	0.44
P-748	385	J-66	J-51	8.0	PVC	120.0	0.750	320.49	2.05
P-750	162	J-290	J-158	8.0	PVC	120.0	0.350	171.17	1.09
P-751	375	J-21	J-168	6.0	PVC	120.0	0.000	75.41	0.86
P-763	381	J-444	J-372	12.0	PVC	120.0	1.280	31.16	0.09
P-766	192	J-31	J-52	8.0	PVC	120.0	0.750	468.86	2.99
P-789	111	J-72	J-435	6.0	PVC	120.0	0.350	15.32	0.17
P-790	397	J-435	J-73	6.0	PVC	120.0	0.500	15.32	0.17
P-791	124	J-304	J-469	6.0	PVC	120.0	1.280	60.00	0.68
P-792	359	J-154	J-153	6.0	PVC	120.0	0.800	0.00	0.00
P-794	384	J-160	J-162	8.0	PVC	120.0	0.500	48.25	0.31
P-795	394	J-124	J-129	6.0	PVC	120.0	1.280	22.37	0.25
P-796	379	J-113	J-171	8.0	PVC	120.0	0.500	6.39	0.04
P-797	391	J-443	J-444	8.0	PVC	120.0	0.350	95.57	0.61
P-798	401	J-444	J-102	8.0	PVC	120.0	0.500	64.41	0.41
P-799	377	J-32	J-12	8.0	PVC	120.0	0.750	228.17	1.46
P-809	38	J-299	J-436	2.0	PVC	120.0	0.000	7.77	0.79
P-810	432	J-436	J-79	2.0	PVC	120.0	0.500	7.77	0.79
P-813	150	J-368	J-441	8.0	PVC	120.0	0.000	109.86	0.70
P-814	227	J-441	J-63	8.0	PVC	120.0	1.280	109.86	0.70
P-815	90	J-81	J-439	8.0	PVC	120.0	0.000	256.45	1.64
P-816	80	J-439	J-79	8.0	PVC	120.0	0.000	256.45	1.64
P-889	51	J-507	J-250	12.0	PVC	120.0	0.000	69.00	0.20
P-890	13	J-507	T-28	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-891	21	R-16	PMP-24	16.0	PVC	120.0	0.000	0.00	0.00
P-892	30	PMP-24	Medina Valley Tank	16.0	PVC	120.0	0.000	0.00	0.00
P-895	16	J-508	PMP-26	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-896	12	PMP-26	J-509	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-897	26	J-508	PMP-27	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-898	18	PMP-27	J-509	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-903	13	J-509	J-507	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-904	14	Medina Valley Tank	J-508	16.0	PVC	120.0	0.000	1,554.06	2.48
P-905	11	J-508	PMP-25	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-907	16	PMP-25	J-509	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-910	345	J-507	J-235	16.0	PVC	120.0	0.800	1,485.06	2.37
P-927	13	J-507	T-29	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1424	14	J-509	J-1224	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1425	10	J-1224	T-28	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1426	11	J-1224	T-29	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1493	37	City Tank	J-392	12.0	PVC	120.0	0.000	208.50	0.59
P-1596	33	J-652	J-655	12.0	PVC	120.0	0.350	579.06	1.64
P-1616	906	J-208	J-464	8.0	PVC	120.0	0.000	123.00	0.79
P-1617	909	J-464	J-463	8.0	PVC	120.0	0.000	123.00	0.79
P-1618	271	J-463	J-1386	8.0	PVC	120.0	0.000	51.00	0.33
P-1619	242	J-1386	J-1293	8.0	PVC	120.0	0.000	51.00	0.33
P-1620	253	J-1293	J-462	8.0	PVC	120.0	0.000	51.00	0.33
P-1621	802	J-462	J-486	8.0	PVC	120.0	0.000	51.00	0.33
P-1622	556	J-486	J-455	6.0	PVC	120.0	0.000	36.00	0.41
P-1623	102	J-455	J-456	6.0	PVC	120.0	0.000	36.00	0.41
P-1624	306	J-456	J-465	4.0	PVC	120.0	0.200	36.00	0.92
P-1625	377	J-465	J-448	4.0	PVC	120.0	0.000	21.00	0.54
P-1626	271	J-448	J-466	4.0	PVC	120.0	0.000	21.00	0.54
P-1627	345	J-466	J-458	4.0	PVC	120.0	0.350	21.00	0.54
P-1628	357	J-458	J-468	4.0	PVC	120.0	0.000	12.00	0.31
P-1630	369	J-468	J-460	4.0	PVC	120.0	0.000	12.00	0.31
P-1631	313	J-460	J-461	4.0	PVC	120.0	0.800	12.00	0.31
P-1632	250	J-458	J-459	4.0	PVC	120.0	1.280	9.00	0.23
P-1633	390	J-188	J-234	10.0	PVC	120.0	0.000	202.08	0.83
P-1634	419	J-501	J-303	6.0	PVC	120.0	0.000	82.50	0.94
P-1635	489	J-651	J-236	16.0	PVC	120.0	0.000	579.06	0.92
P-1636	172	J-655	J-328	16.0	PVC	120.0	0.000	1,458.06	2.33
P-1637	106	J-870	J-335	16.0	PVC	120.0	0.000	1,479.06	2.36
P-1640	689	J-655	J-1446	16.0	PVC	120.0	1.280	879.00	1.40
P-1647	892	J-1446	J-1447	16.0	PVC	120.0	0.100	879.00	1.40
P-1648	98	J-1447	J-1464	16.0	PVC	120.0	0.000	879.00	1.40
P-1649	138	J-1464	J-1448	16.0	PVC	120.0	0.050	879.00	1.40
P-1650	328	J-1448	J-1449	16.0	PVC	120.0	0.050	879.00	1.40
P-1651	270	J-1449	J-1465	16.0	PVC	120.0	1.280	879.00	1.40
P-1652	458	J-1466	J-1465	8.0	PVC	120.0	0.350	439.50	2.81
P-1653	516	J-1465	J-1649	8.0	PVC	120.0	0.350	439.50	2.81
P-1654(1)	382	J-1484	J-1498	12.0	PVC	120.0	0.350	0.00	0.00
P-1654(2)	609	J-1498	J-1485	12.0	PVC	120.0	0.000	0.00	0.00
P-1655	183	J-1498	J-1487	12.0	PVC	120.0	1.280	19.50	0.06
P-1660	189	Airport GST	J-391	12.0	PVC	120.0	0.000	3.00	0.01
P-1661	31	J-508	J-507	16.0	PVC	120.0	0.000	1,554.06	2.48
P-1823	570	J-216	J-1472	8.0	PVC	120.0	0.800	41.81	0.27
P-1824	380	J-1472	J-1473	8.0	PVC	120.0	0.200	41.81	0.27
P-1825	297	J-1473	J-1474	8.0	PVC	120.0	0.050	41.81	0.27
P-1826	124	J-1474	J-1475	8.0	PVC	120.0	0.100	41.81	0.27
P-1827	519	J-1475	J-1476	8.0	PVC	120.0	0.800	122.81	0.78
P-1828	287	J-1476	J-325	8.0	PVC	120.0	0.000	122.81	0.78

Fire Flow Node FlexTable: Fire Flow Results Table

Label	Satisfies Fire Flow Constraints?	Fire Flow Status	Fire Flow (Needed) (gpm)	Fire Flow (Available) (gpm)	Flow (Total Needed) (gpm)	Flow (Total Available) (gpm)	Pressure (Residual Lower Limit) (psi)	Pressure (Calculated Residual) (psi)	Pressure (Zone Lower Limit) (psi)	Pressure (Calculated Zone Lower Limit) (psi)	Junction w/ Minimum Pressure (Zone)	Pressure (Calculated System Lower Limit) (psi)	Junction w/ Minimum Pressure (System)	Is Fire Flow Run Balanced?
J-2	False	Residual Pressure Failed	1,000.00	243.93	1,000.00	243.93	20.00	20.00	5.00	22.59	J-385	22.59	J-385	True
J-3	True	Passed	1,000.00	1,204.84	1,000.00	1,204.84	20.00	20.00	5.00	19.89	J-2	19.89	J-2	True
J-4	True	Passed	1,000.00	2,949.47	1,000.00	2,949.47	20.00	20.00	5.00	11.52	J-2	11.52	J-2	True
J-5	True	Passed	1,000.00	3,500.00	1,013.50	3,513.50	20.00	35.41	5.00	8.08	J-2	8.08	J-2	True
J-6	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	35.59	5.00	7.52	J-2	7.52	J-2	True
J-7	True	Passed	1,000.00	3,500.00	1,018.00	3,518.00	20.00	22.62	5.00	7.22	J-2	7.22	J-2	True
J-9	True	Passed	1,000.00	3,295.70	1,000.00	3,295.70	20.00	20.01	5.00	8.50	J-2	8.50	J-2	True
J-10	True	Passed	1,000.00	2,654.16	1,016.50	2,670.66	20.00	20.00	5.00	12.46	J-2	12.46	J-2	True
J-11	True	Passed	1,000.00	2,726.75	1,000.00	2,726.75	20.00	20.00	5.00	12.27	J-2	12.27	J-2	True
J-12	True	Passed	1,000.00	3,500.00	1,042.00	3,542.00	20.00	40.05	5.00	8.46	J-2	8.46	J-2	True
J-13	True	Passed	1,000.00	2,188.84	1,000.00	2,188.84	20.00	20.00	5.00	15.67	J-2	15.67	J-2	True
J-14	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	42.94	5.00	8.17	J-2	8.17	J-2	True
J-15	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	42.92	5.00	8.04	J-2	8.04	J-2	True
J-16	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	45.35	5.00	7.91	J-2	7.91	J-2	True
J-17	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	52.87	5.00	7.70	J-2	7.70	J-2	True
J-18	True	Passed	1,000.00	3,450.27	1,000.00	3,450.27	20.00	45.54	5.00	5.00	J-2	5.00	J-2	True
J-19	True	Passed	1,000.00	3,429.43	1,046.50	3,475.93	20.00	33.33	5.00	5.00	J-2	5.00	J-2	True
J-20	True	Passed	1,000.00	3,500.00	1,027.00	3,527.00	20.00	27.19	5.00	5.06	J-2	5.06	J-2	True
J-21	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	30.74	5.00	5.37	J-2	5.37	J-2	True
J-22	True	Passed	1,000.00	3,500.00	1,055.50	3,555.50	20.00	26.12	5.00	5.58	J-2	5.58	J-2	True
J-23	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	23.59	5.00	5.78	J-2	5.78	J-2	True
J-24	True	Passed	1,000.00	3,500.00	1,024.00	3,524.00	20.00	21.91	5.00	5.96	J-2	5.96	J-2	True
J-25	True	Passed	1,000.00	3,490.59	1,016.50	3,507.09	20.00	20.00	5.00	6.14	J-2	6.14	J-2	True
J-26	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	38.73	5.00	7.38	J-2	7.38	J-2	True
J-27	True	Passed	1,000.00	3,500.00	1,040.50	3,540.50	20.00	44.68	5.00	7.32	J-2	7.32	J-2	True
J-28	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	47.72	5.00	7.04	J-2	7.04	J-2	True
J-29	True	Passed	1,000.00	3,500.00	1,030.00	3,530.00	20.00	41.85	5.00	6.10	J-2	6.10	J-2	True
J-30	False	Fire Node Residual Pressure Failed	1,000.00	0.00	1,000.00	0.00	20.00	10.46	5.00	10.46	J-30	23.91	J-2	True
J-31	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	48.45	5.00	9.56	J-2	9.56	J-2	True
J-32	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	39.39	5.00	8.86	J-2	8.86	J-2	True
J-33	True	Passed	1,000.00	2,587.33	1,000.00	2,587.33	20.00	20.00	5.00	13.32	J-2	13.32	J-2	True
J-34	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	26.36	5.00	7.15	J-2	7.15	J-2	True
J-36	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	36.72	5.00	7.18	J-2	7.18	J-2	True
J-37	True	Passed	1,000.00	3,208.98	1,000.00	3,208.98	20.00	20.01	5.00	9.53	J-2	9.53	J-2	True
J-38	True	Passed	1,000.00	2,702.00	1,025.50	2,727.50	20.00	20.00	5.00	12.85	J-2	12.85	J-2	True
J-39	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	21.95	5.00	8.72	J-2	8.72	J-2	True
J-40	True	Passed	1,000.00	3,500.00	1,019.50	3,519.50	20.00	40.10	5.00	7.10	J-2	7.10	J-2	True
J-41	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	43.43	5.00	7.07	J-2	7.07	J-2	True
J-42	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	45.01	5.00	7.06	J-2	7.06	J-2	True
J-43	True	Passed	1,000.00	3,500.00	1,045.00	3,545.00	20.00	40.28	5.00	6.86	J-2	6.86	J-2	True
J-45	True	Passed	1,000.00	3,500.00	1,022.50	3,522.50	20.00	33.65	5.00	7.12	J-2	7.12	J-2	True
J-48	True	Passed	1,000.00	3,360.91	1,010.50	3,371.41	20.00	20.01	5.00	8.06	J-2	8.06	J-2	True
J-50	False	Residual Pressure Failed	1,000.00	115.09	1,000.00	115.09	20.00	20.00	5.00	23.57	J-2	23.57	J-2	True
J-51	True	Passed	1,000.00	3,039.12	1,000.00	3,039.12	20.00	42.51	5.00	5.00	J-2	5.00	J-2	True
J-52	True	Passed	1,000.00	3,389.73	1,027.00	3,416.73	20.00	36.05	5.00	5.00	J-2	5.00	J-2	True
J-53	True	Passed	1,000.00	3,500.00	1,018.00	3,518.00	20.00	42.36	5.00	7.20	J-2	7.20	J-2	True
J-54	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	32.13	5.00	7.38	J-2	7.38	J-2	True

Fire Flow Node FlexTable: Fire Flow Results Table

Label	Satisfies Fire Flow Constraints?	Fire Flow Status	Fire Flow (Needed) (gpm)	Fire Flow (Available) (gpm)	Flow (Total Needed) (gpm)	Flow (Total Available) (gpm)	Pressure (Residual Lower Limit) (psi)	Pressure (Calculated Residual) (psi)	Pressure (Zone Lower Limit) (psi)	Pressure (Calculated Zone Lower Limit) (psi)	Junction w/ Minimum Pressure (Zone)	Pressure (Calculated System Lower Limit) (psi)	Junction w/ Minimum Pressure (System)	Is Fire Flow Run Balanced?
J-55	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	32.77	5.00	7.59	J-2	7.59	J-2	True
J-58	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	33.68	5.00	7.77	J-2	7.77	J-2	True
J-59	True	Passed	1,000.00	3,500.00	1,037.50	3,537.50	20.00	32.49	5.00	8.10	J-2	8.10	J-2	True
J-60	True	Passed	1,000.00	2,565.60	1,000.00	2,565.60	20.00	20.01	5.00	14.60	J-2	14.60	J-2	True
J-61	True	Passed	1,000.00	1,642.74	1,000.00	1,642.74	20.00	20.00	5.00	17.98	J-2	17.98	J-2	True
J-62	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	40.86	5.00	7.20	J-2	7.20	J-2	True
J-63	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	38.40	5.00	7.10	J-2	7.10	J-2	True
J-65	True	Passed	1,000.00	1,859.91	1,000.00	1,859.91	20.00	20.00	5.00	16.63	J-2	16.63	J-2	True
J-66	True	Passed	1,000.00	3,394.73	1,000.00	3,394.73	20.00	32.62	5.00	5.00	J-2	5.00	J-2	True
J-68	True	Passed	1,000.00	1,888.11	1,004.50	1,892.61	20.00	20.00	5.00	15.82	J-2	15.82	J-2	True
J-69	True	Passed	1,000.00	1,377.47	1,000.00	1,377.47	20.00	20.01	5.00	18.49	J-2	18.49	J-2	True
J-71	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	23.05	5.00	5.20	J-2	5.20	J-2	True
J-72	True	Passed	1,000.00	2,385.52	1,081.00	2,466.51	20.00	20.00	5.00	13.36	J-2	13.36	J-2	True
J-73	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	33.37	5.00	6.74	J-2	6.74	J-2	True
J-74	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	35.70	5.00	7.20	J-2	7.20	J-2	True
J-75	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	34.71	5.00	7.60	J-2	7.60	J-2	True
J-79	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	37.10	5.00	6.89	J-2	6.89	J-2	True
J-80	False	Residual Pressure Failed	1,000.00	342.04	1,000.00	342.04	20.00	20.00	5.00	22.85	J-2	22.85	J-2	True
J-81	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	38.83	5.00	6.92	J-2	6.92	J-2	True
J-82	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	36.57	5.00	7.22	J-2	7.22	J-2	True
J-83	True	Passed	1,000.00	3,500.00	1,052.50	3,552.50	20.00	36.43	5.00	7.61	J-2	7.61	J-2	True
J-84	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	36.56	5.00	7.62	J-2	7.62	J-2	True
J-85	True	Passed	1,000.00	3,500.00	1,054.00	3,554.00	20.00	33.19	5.00	7.74	J-2	7.74	J-2	True
J-86	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	32.50	5.00	7.90	J-2	7.90	J-2	True
J-88	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	34.22	5.00	7.73	J-2	7.73	J-2	True
J-89	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	25.27	5.00	7.89	J-2	7.89	J-2	True
J-92	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	22.62	5.00	7.90	J-2	7.90	J-2	True
J-93	True	Passed	1,000.00	3,048.98	1,012.00	3,060.98	20.00	20.01	5.00	10.71	J-2	10.71	J-2	True
J-94	True	Passed	1,000.00	1,369.24	1,000.00	1,369.24	20.00	20.01	5.00	19.24	J-2	19.24	J-2	True
J-95	True	Passed	1,000.00	1,821.29	1,012.00	1,833.29	20.00	20.00	5.00	17.25	J-2	17.25	J-2	True
J-96	False	Failed	1,000.00	102.10	1,000.00	102.10	20.00	20.79	5.00	23.62	J-2	23.62	J-2	True
J-97	True	Passed	1,000.00	2,908.37	1,000.00	2,908.37	20.00	20.01	5.00	11.53	J-2	11.53	J-2	True
J-98	True	Passed	1,000.00	3,193.07	1,000.00	3,193.07	20.00	22.44	5.00	5.00	J-459	5.00	J-459	True
J-99	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	34.19	5.00	7.98	J-2	7.98	J-2	True
J-100	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	32.72	5.00	7.82	J-2	7.82	J-2	True
J-101	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	32.42	5.00	7.83	J-2	7.83	J-2	True
J-102	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	33.04	5.00	7.33	J-2	7.33	J-2	True
J-103	True	Passed	1,000.00	3,500.00	1,063.00	3,563.00	20.00	26.72	5.00	7.51	J-2	7.51	J-2	True
J-104	True	Passed	1,000.00	2,755.84	1,000.00	2,755.84	20.00	20.00	5.00	12.15	J-2	12.15	J-2	True
J-105	True	Passed	1,000.00	3,500.00	1,016.50	3,516.50	20.00	31.10	5.00	8.40	J-2	8.40	J-2	True
J-106	True	Passed	1,000.00	2,201.91	1,036.00	2,237.91	20.00	22.81	5.00	5.00	J-459	5.00	J-459	True
J-107	True	Passed	1,000.00	2,151.65	1,000.00	2,151.65	20.00	22.64	5.00	5.00	J-459	5.00	J-459	True
J-109	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	22.71	5.00	6.77	J-2	6.77	J-2	True
J-110	True	Passed	1,000.00	3,497.57	1,025.50	3,523.07	20.00	20.00	5.00	7.07	J-2	7.07	J-2	True
J-111	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	23.07	5.00	7.19	J-2	7.19	J-2	True
J-112	True	Passed	1,000.00	3,500.00	1,021.00	3,521.00	20.00	22.38	5.00	7.44	J-2	7.44	J-2	True
J-113	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	34.46	5.00	6.97	J-2	6.97	J-2	True

Fire Flow Node FlexTable: Fire Flow Results Table

Label	Satisfies Fire Flow Constraints?	Fire Flow Status	Fire Flow (Needed) (gpm)	Fire Flow (Available) (gpm)	Flow (Total Needed) (gpm)	Flow (Total Available) (gpm)	Pressure (Residual Lower Limit) (psi)	Pressure (Calculated Residual) (psi)	Pressure (Zone Lower Limit) (psi)	Pressure (Calculated Zone Lower Limit) (psi)	Junction w/ Minimum Pressure (Zone)	Pressure (Calculated System Lower Limit) (psi)	Junction w/ Minimum Pressure (System)	Is Fire Flow Run Balanced?
J-114	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	26.10	5.00	7.17	J-2	7.17	J-2	True
J-115	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	20.30	5.00	7.08	J-2	7.08	J-2	True
J-116	True	Passed	1,000.00	2,871.97	1,000.00	2,871.97	20.00	20.01	5.00	11.13	J-2	11.13	J-2	True
J-117	True	Passed	1,000.00	3,083.40	1,000.00	3,083.40	20.00	20.01	5.00	9.78	J-2	9.78	J-2	True
J-118	True	Passed	1,000.00	2,644.98	1,000.00	2,644.98	20.00	20.00	5.00	12.44	J-2	12.44	J-2	True
J-119	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	31.29	5.00	6.86	J-2	6.86	J-2	True
J-120	True	Passed	1,000.00	2,534.87	1,039.00	2,573.87	20.00	20.00	5.00	13.05	J-2	13.05	J-2	True
J-121	False	Residual Pressure Failed	1,000.00	904.40	1,000.00	904.40	20.00	20.00	5.00	20.75	J-2	20.75	J-2	True
J-122	True	Passed	1,000.00	3,134.27	1,000.00	3,134.27	20.00	20.00	5.00	8.50	J-2	8.50	J-2	True
J-123	True	Passed	1,000.00	3,021.24	1,000.00	3,021.24	20.00	20.00	5.00	9.29	J-2	9.29	J-2	True
J-124	True	Passed	1,000.00	3,414.15	1,031.50	3,445.65	20.00	20.00	5.00	7.01	J-2	7.01	J-2	True
J-125	True	Passed	1,000.00	3,463.23	1,000.00	3,463.23	20.00	20.00	5.00	6.86	J-2	6.86	J-2	True
J-126	True	Passed	1,000.00	2,709.75	1,000.00	2,709.75	20.00	20.00	5.00	11.88	J-2	11.88	J-2	True
J-127	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	26.96	5.00	6.81	J-2	6.81	J-2	True
J-129	True	Passed	1,000.00	3,500.00	1,010.50	3,510.50	20.00	21.60	5.00	6.31	J-2	6.31	J-2	True
J-130	True	Passed	1,000.00	2,982.85	1,000.00	2,982.85	20.00	20.00	5.00	9.61	J-2	9.61	J-2	True
J-131	True	Passed	1,000.00	2,149.31	1,000.00	2,149.31	20.00	20.00	5.00	14.75	J-2	14.75	J-2	True
J-132	False	Residual Pressure Failed	1,000.00	92.96	1,000.00	92.96	20.00	20.40	5.00	23.63	J-2	23.63	J-2	True
J-133	False	Residual Pressure Failed	1,000.00	756.69	1,024.00	780.69	20.00	20.04	5.00	16.03	J-141	16.03	J-141	True
J-134	False	Residual Pressure Failed	1,000.00	719.93	1,000.00	719.93	20.00	20.08	5.00	20.02	J-141	20.02	J-141	True
J-135	False	Residual Pressure Failed	1,000.00	789.79	1,000.00	789.79	20.00	20.05	5.00	12.33	J-141	12.33	J-141	True
J-136	False	Residual Pressure Failed	1,000.00	786.80	1,000.00	786.80	20.00	20.05	5.00	12.67	J-141	12.67	J-141	True
J-137	False	Residual Pressure Failed	1,000.00	816.60	1,000.00	816.60	20.00	20.04	5.00	9.25	J-141	9.25	J-141	True
J-138	False	Residual Pressure Failed	1,000.00	803.13	1,000.00	803.13	20.00	20.04	5.00	10.04	J-141	10.04	J-141	True
J-139	False	Residual Pressure Failed	1,000.00	746.17	1,000.00	746.17	20.00	20.00	5.00	15.08	J-141	15.08	J-141	True
J-141	False	Residual Pressure Failed	1,000.00	661.71	1,012.00	673.71	20.00	20.00	5.00	23.91	J-2	23.91	J-2	True
J-142	False	Residual Pressure Failed	1,000.00	460.85	1,000.00	460.85	20.00	20.00	5.00	23.91	J-2	23.91	J-2	True
J-143	True	Passed	1,000.00	1,640.12	1,000.00	1,640.12	20.00	41.77	5.00	5.00	J-150	5.00	J-150	True
J-144	False	Residual Pressure Failed	1,000.00	344.61	1,000.00	344.61	20.00	20.01	5.00	23.91	J-2	23.91	J-2	True
J-145	False	Residual Pressure Failed	1,000.00	761.43	1,000.00	761.43	20.00	20.06	5.00	15.51	J-141	15.51	J-141	True
J-146	False	Residual Pressure Failed	1,000.00	736.14	1,000.00	736.14	20.00	20.00	5.00	18.28	J-141	18.28	J-141	True
J-147	False	Zone Pressure Failed	1,000.00	865.68	1,000.00	865.68	20.00	20.85	5.00	5.00	J-141	5.00	J-141	True
J-148	False	Residual Pressure Failed	1,000.00	832.72	1,000.00	832.72	20.00	20.03	5.00	13.51	J-141	13.51	J-141	True
J-149	True	Passed	1,000.00	1,199.73	1,000.00	1,199.73	20.00	26.78	5.00	5.00	J-150	5.00	J-150	True
J-150	False	Residual Pressure Failed	1,000.00	683.48	1,000.00	683.48	20.00	20.00	5.00	21.54	J-274	21.54	J-274	True
J-151	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	20.66	5.00	5.57	J-2	5.57	J-2	True
J-152	True	Passed	1,000.00	1,554.55	1,000.00	1,554.55	20.00	20.00	5.00	17.88	J-2	17.88	J-2	True
J-153	True	Passed	1,000.00	1,007.39	1,000.00	1,007.39	20.00	20.03	5.00	15.50	J-132	15.50	J-132	True
J-154	True	Passed	1,000.00	1,321.76	1,009.00	1,330.76	20.00	20.01	5.00	13.58	J-132	13.58	J-132	True
J-155	True	Passed	1,000.00	1,576.84	1,000.00	1,576.84	20.00	20.00	5.00	17.72	J-2	17.72	J-2	True
J-156	True	Passed	1,000.00	3,379.10	1,000.00	3,379.10	20.00	20.00	5.00	6.66	J-2	6.66	J-2	True
J-158	True	Passed	1,000.00	3,465.56	1,000.00	3,465.56	20.00	20.00	5.00	5.30	J-2	5.30	J-2	True
J-159	True	Passed	1,000.00	3,117.56	1,000.00	3,117.56	20.00	20.01	5.00	9.25	J-2	9.25	J-2	True
J-160	True	Passed	1,000.00	3,500.00	1,037.50	3,537.50	20.00	24.19	5.00	6.77	J-2	6.77	J-2	True
J-162	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	25.30	5.00	6.71	J-2	6.71	J-2	True
J-163	False	Failed	1,000.00	20.51	1,000.00	20.51	20.00	20.60	5.00	23.85	J-2	23.85	J-2	True
J-165	True	Passed	1,000.00	3,500.00	1,019.50	3,519.50	20.00	22.77	5.00	6.87	J-2	6.87	J-2	True

Fire Flow Node FlexTable: Fire Flow Results Table

Label	Satisfies Fire Flow Constraints?	Fire Flow Status	Fire Flow (Needed) (gpm)	Fire Flow (Available) (gpm)	Flow (Total Needed) (gpm)	Flow (Total Available) (gpm)	Pressure (Residual Lower Limit) (psi)	Pressure (Calculated Residual) (psi)	Pressure (Zone Lower Limit) (psi)	Pressure (Calculated Zone Lower Limit) (psi)	Junction w/ Minimum Pressure (Zone)	Pressure (Calculated System Lower Limit) (psi)	Junction w/ Minimum Pressure (System)	Is Fire Flow Run Balanced?
J-166	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	29.93	5.00	6.71	J-2	6.71	J-2	True
J-167	True	Passed	1,000.00	2,435.25	1,000.00	2,435.25	20.00	20.00	5.00	13.13	J-2	13.13	J-2	True
J-168	True	Passed	1,000.00	2,512.22	1,000.00	2,512.22	20.00	20.00	5.00	12.60	J-2	12.60	J-2	True
J-169	True	Passed	1,000.00	1,857.63	1,000.00	1,857.63	20.00	20.00	5.00	16.37	J-2	16.37	J-2	True
J-170	True	Passed	1,000.00	2,517.30	1,000.00	2,517.30	20.00	20.00	5.00	13.13	J-2	13.13	J-2	True
J-171	True	Passed	1,000.00	3,500.00	1,028.50	3,528.50	20.00	23.90	5.00	6.90	J-2	6.90	J-2	True
J-172	False	Residual Pressure Failed	1,000.00	572.47	1,000.00	572.47	20.00	20.00	5.00	22.10	J-2	22.10	J-2	True
J-173	False	Residual Pressure Failed	1,000.00	458.30	1,000.00	458.30	20.00	20.01	5.00	22.49	J-2	22.49	J-2	True
J-174	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	28.13	5.00	6.88	J-2	6.88	J-2	True
J-175	False	Residual Pressure Failed	1,000.00	102.46	1,000.00	102.46	20.00	20.41	5.00	23.62	J-2	23.62	J-2	True
J-176	False	Residual Pressure Failed	1,000.00	103.26	1,015.00	118.26	20.00	20.04	5.00	23.66	J-2	23.66	J-2	True
J-177	False	Residual Pressure Failed	1,000.00	193.24	1,000.00	193.24	20.00	20.27	5.00	20.50	J-176	20.50	J-176	True
J-178	False	Residual Pressure Failed	1,000.00	89.75	1,000.00	89.75	20.00	20.19	5.00	23.70	J-2	23.70	J-2	True
J-179	False	Residual Pressure Failed	1,000.00	466.36	1,000.00	466.36	20.00	20.09	5.00	19.82	J-177	19.82	J-177	True
J-180	False	Residual Pressure Failed	1,000.00	551.13	1,000.00	551.13	20.00	20.12	5.00	19.68	J-469	19.68	J-469	True
J-181	False	Residual Pressure Failed	1,000.00	98.16	1,007.50	105.66	20.00	20.03	5.00	23.68	J-2	23.68	J-2	True
J-182	True	Passed	1,000.00	1,174.38	1,024.00	1,198.38	20.00	20.01	5.00	20.57	J-2	20.57	J-2	True
J-183	False	Residual Pressure Failed	1,000.00	905.41	1,000.00	905.41	20.00	20.01	5.00	15.42	J-184	15.42	J-184	True
J-184	False	Residual Pressure Failed	1,000.00	124.34	1,000.00	124.34	20.00	20.01	5.00	23.61	J-2	23.61	J-2	True
J-185	True	Passed	1,000.00	1,642.83	1,000.00	1,642.83	20.00	20.00	5.00	12.46	J-184	12.46	J-184	True
J-186	True	Passed	1,000.00	2,139.72	1,010.50	2,150.22	20.00	20.00	5.00	12.46	J-184	12.46	J-184	True
J-187	False	Zone Pressure Failed	3,000.00	1,727.14	3,000.00	1,727.14	20.00	36.75	20.00	20.00	J-2	20.00	J-2	True
J-188	False	Zone Pressure Failed	3,000.00	2,176.84	3,000.00	2,176.84	20.00	39.10	20.00	20.00	J-2	20.00	J-2	True
J-189	True	Passed	1,000.00	1,995.86	1,000.00	1,995.86	20.00	20.00	5.00	18.52	J-190	18.52	J-190	True
J-190	True	Passed	1,000.00	1,646.71	1,000.00	1,646.71	20.00	20.00	5.00	20.10	J-2	20.10	J-2	True
J-191	True	Passed	1,000.00	1,361.36	1,000.00	1,361.36	20.00	20.02	5.00	20.81	J-2	20.81	J-2	True
J-192	True	Passed	1,000.00	1,940.93	1,000.00	1,940.93	20.00	20.00	5.00	18.24	J-311	18.24	J-311	True
J-193	True	Passed	1,000.00	1,958.86	1,000.00	1,958.86	20.00	20.00	5.00	18.80	J-313	18.80	J-313	True
J-194	True	Passed	1,000.00	2,438.87	1,000.00	2,438.87	20.00	20.01	5.00	6.86	J-459	6.86	J-459	True
J-196	True	Passed	1,000.00	2,321.23	1,000.00	2,321.23	20.00	20.01	5.00	10.15	J-459	10.15	J-459	True
J-197	True	Passed	1,000.00	2,015.09	1,000.00	2,015.09	20.00	20.00	5.00	17.43	J-313	17.43	J-313	True
J-198	True	Passed	1,000.00	2,022.79	1,000.00	2,022.79	20.00	20.00	5.00	16.12	J-313	16.12	J-313	True
J-199	True	Passed	1,000.00	2,015.59	1,000.00	2,015.59	20.00	20.00	5.00	16.75	J-313	16.75	J-313	True
J-200	True	Passed	1,000.00	1,763.13	1,003.00	1,766.13	20.00	20.00	5.00	18.83	J-317	18.83	J-317	True
J-201	False	Residual Pressure Failed	1,000.00	98.72	1,000.00	98.72	20.00	20.00	5.00	23.71	J-2	23.71	J-2	True
J-202	True	Passed	1,000.00	1,617.48	1,000.00	1,617.48	20.00	20.00	5.00	20.11	J-2	20.11	J-2	True
J-203	True	Passed	1,000.00	1,878.41	1,000.00	1,878.41	20.00	20.00	5.00	18.09	J-459	18.09	J-459	True
J-204	True	Passed	1,000.00	2,120.24	1,000.00	2,120.24	20.00	20.01	5.00	14.75	J-459	14.75	J-459	True
J-205	False	Residual Pressure Failed	1,000.00	538.87	1,000.00	538.87	20.00	20.02	5.00	22.75	J-2	22.75	J-2	True
J-206	True	Passed	1,000.00	2,413.14	1,000.00	2,413.14	20.00	20.18	5.00	5.00	J-459	5.00	J-459	True
J-207	True	Passed	1,000.00	2,299.43	1,000.00	2,299.43	20.00	21.54	5.00	5.00	J-459	5.00	J-459	True
J-208	True	Passed	1,000.00	1,187.34	1,000.00	1,187.34	20.00	20.02	5.00	6.95	J-459	6.95	J-459	True
J-209	True	Passed	1,000.00	1,043.26	1,012.00	1,055.26	20.00	20.00	5.00	17.73	J-211	17.73	J-211	True
J-210	False	Residual Pressure Failed	1,000.00	910.16	1,000.00	910.16	20.00	20.00	5.00	21.66	J-2	21.66	J-2	True
J-211	False	Residual Pressure Failed	1,000.00	735.17	1,000.00	735.17	20.00	20.01	5.00	22.14	J-2	22.14	J-2	True
J-212	True	Passed	1,000.00	1,898.90	1,000.00	1,898.90	20.00	20.00	5.00	18.15	J-459	18.15	J-459	True
J-213	True	Passed	1,000.00	2,114.01	1,018.00	2,132.01	20.00	20.00	5.00	14.41	J-459	14.41	J-459	True

Fire Flow Node FlexTable: Fire Flow Results Table

Label	Satisfies Fire Flow Constraints?	Fire Flow Status	Fire Flow (Needed) (gpm)	Fire Flow (Available) (gpm)	Flow (Total Needed) (gpm)	Flow (Total Available) (gpm)	Pressure (Residual Lower Limit) (psi)	Pressure (Calculated Residual) (psi)	Pressure (Zone Lower Limit) (psi)	Pressure (Calculated Zone Lower Limit) (psi)	Junction w/ Minimum Pressure (Zone)	Pressure (Calculated System Lower Limit) (psi)	Junction w/ Minimum Pressure (System)	Is Fire Flow Run Balanced?
J-214	True	Passed	1,000.00	1,557.01	1,019.50	1,576.51	20.00	20.00	5.00	20.39	J-2	20.39	J-2	True
J-215	True	Passed	1,000.00	1,557.10	1,000.00	1,557.10	20.00	20.00	5.00	20.15	J-219	20.15	J-219	True
J-216	True	Passed	1,000.00	1,607.58	1,000.00	1,607.58	20.00	20.00	5.00	20.33	J-2	20.33	J-2	True
J-217	False	Residual Pressure Failed	1,000.00	710.67	1,004.50	715.17	20.00	20.01	5.00	22.36	J-2	22.36	J-2	True
J-218	False	Residual Pressure Failed	1,000.00	562.33	1,010.50	572.83	20.00	20.01	5.00	22.75	J-2	22.75	J-2	True
J-219	False	Residual Pressure Failed	1,000.00	566.36	1,009.00	575.36	20.00	20.01	5.00	22.76	J-2	22.76	J-2	True
J-221	True	Passed	1,000.00	2,007.31	1,021.00	2,028.31	20.00	20.00	5.00	17.88	J-459	17.88	J-459	True
J-222	True	Passed	1,000.00	1,985.79	1,000.00	1,985.79	20.00	20.00	5.00	18.76	J-459	18.76	J-459	True
J-223	True	Passed	1,000.00	2,520.65	1,000.00	2,520.65	20.00	20.01	5.00	16.49	J-459	16.49	J-459	True
J-224	True	Passed	1,000.00	2,659.98	1,000.00	2,659.98	20.00	20.00	5.00	16.55	J-231	16.55	J-231	True
J-225	True	Passed	1,000.00	2,891.79	1,000.00	2,891.79	20.00	20.00	5.00	14.79	J-232	14.79	J-232	True
J-226	True	Passed	1,000.00	3,137.41	1,000.00	3,137.41	20.00	20.00	5.00	15.65	J-459	15.65	J-459	True
J-227	False	Zone Pressure Failed	3,000.00	2,330.13	3,040.50	2,370.63	20.00	43.76	20.00	20.00	J-2	20.00	J-2	True
J-228	False	Residual Pressure Failed	1,000.00	578.53	1,009.00	587.53	20.00	20.01	5.00	22.70	J-2	22.70	J-2	True
J-229	False	Residual Pressure Failed	1,000.00	581.30	1,009.00	590.30	20.00	20.01	5.00	22.70	J-2	22.70	J-2	True
J-230	True	Passed	1,000.00	1,289.10	1,016.50	1,305.60	20.00	20.01	5.00	21.34	J-2	21.34	J-2	True
J-231	True	Passed	1,000.00	1,261.04	1,018.00	1,279.04	20.00	20.01	5.00	21.50	J-2	21.50	J-2	True
J-232	True	Passed	1,000.00	1,249.59	1,016.50	1,266.09	20.00	20.01	5.00	21.64	J-2	21.64	J-2	True
J-233	False	Residual Pressure Failed	1,000.00	142.74	1,000.00	142.74	20.00	20.23	5.00	23.71	J-2	23.71	J-2	True
J-234	False	Zone Pressure Failed	3,000.00	2,256.87	3,012.00	2,268.87	20.00	41.27	20.00	20.00	J-2	20.00	J-2	True
J-235	True	Passed	3,000.00	3,500.00	3,006.00	3,506.00	20.00	66.44	20.00	23.46	J-2	23.46	J-2	True
J-236	True	Passed	3,000.00	3,160.44	3,000.00	3,160.44	20.00	45.82	20.00	20.00	J-2	20.00	J-2	True
J-237	True	Passed	3,000.00	3,500.00	3,000.00	3,500.00	20.00	57.59	20.00	21.38	J-2	21.38	J-2	True
J-238	False	Residual Pressure Failed	1,000.00	998.93	1,000.00	998.93	20.00	20.04	5.00	24.22	J-239	23.90	J-2	True
J-239	True	Passed	1,000.00	1,047.69	1,009.00	1,056.69	20.00	20.04	5.00	19.48	J-238	19.48	J-238	True
J-240	False	Residual Pressure Failed	1,000.00	987.48	1,000.00	987.48	20.00	20.03	5.00	24.61	J-238	23.90	J-2	True
J-241	True	Passed	1,000.00	1,348.85	1,000.00	1,348.85	20.00	20.00	5.00	16.76	J-238	16.76	J-238	True
J-242	True	Passed	1,000.00	1,374.23	1,000.00	1,374.23	20.00	20.00	5.00	16.73	J-238	16.73	J-238	True
J-243	True	Passed	1,000.00	1,561.78	1,000.00	1,561.78	20.00	20.00	5.00	15.34	J-238	15.34	J-238	True
J-250	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	69.26	5.00	68.84	J-238	23.87	J-2	True
J-251	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	50.38	5.00	48.95	J-238	23.87	J-2	True
J-252	True	Passed	1,000.00	3,217.60	1,000.00	3,217.60	20.00	20.00	5.00	38.63	J-253	23.87	J-2	True
J-253	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	33.22	5.00	32.18	J-252	23.87	J-2	True
J-254	True	Passed	1,000.00	3,500.00	1,015.00	3,515.00	20.00	29.68	5.00	31.71	J-238	23.87	J-2	True
J-255	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	20.89	5.00	21.27	J-339	21.27	J-339	True
J-256	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	22.83	5.00	20.48	J-238	20.48	J-238	True
J-257	True	Passed	1,000.00	2,104.17	1,000.00	2,104.17	20.00	20.00	5.00	33.80	J-339	23.89	J-2	True
J-258	True	Passed	1,000.00	1,860.52	1,000.00	1,860.52	20.00	20.02	5.00	20.74	J-259	20.74	J-259	True
J-259	True	Passed	1,000.00	1,448.52	1,000.00	1,448.52	20.00	20.00	5.00	38.33	J-258	23.91	J-2	True
J-260	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	44.27	5.00	43.40	J-258	23.91	J-2	True
J-261	False	Residual Pressure Failed	1,000.00	653.26	1,000.00	653.26	20.00	20.00	5.00	20.20	J-350	20.20	J-350	True
J-262	False	Residual Pressure Failed	1,000.00	625.35	1,000.00	625.35	20.00	20.00	5.00	19.31	J-263	19.31	J-263	True
J-263	False	Residual Pressure Failed	1,000.00	585.09	1,003.00	588.09	20.00	20.03	5.00	26.31	J-262	23.91	J-2	True
J-264	False	Residual Pressure Failed	1,000.00	634.68	1,000.00	634.68	20.00	20.00	5.00	20.61	J-349	20.61	J-349	True
J-265	False	Residual Pressure Failed	1,000.00	624.18	1,000.00	624.18	20.00	20.00	5.00	21.22	J-263	21.22	J-263	True
J-266	False	Failed	1,000.00	66.84	1,000.00	66.84	20.00	20.44	5.00	23.71	J-2	23.71	J-2	True
J-267	False	Residual Pressure Failed	1,000.00	267.58	1,004.50	272.08	20.00	20.00	5.00	23.34	J-2	23.34	J-2	True

Fire Flow Node FlexTable: Fire Flow Results Table

Label	Satisfies Fire Flow Constraints?	Fire Flow Status	Fire Flow (Needed) (gpm)	Fire Flow (Available) (gpm)	Flow (Total Needed) (gpm)	Flow (Total Available) (gpm)	Pressure (Residual Lower Limit) (psi)	Pressure (Calculated Residual) (psi)	Pressure (Zone Lower Limit) (psi)	Pressure (Calculated Zone Lower Limit) (psi)	Junction w/ Minimum Pressure (Zone)	Pressure (Calculated System Lower Limit) (psi)	Junction w/ Minimum Pressure (System)	Is Fire Flow Run Balanced?
J-268	False	Residual Pressure Failed	1,000.00	442.35	1,000.00	442.35	20.00	20.00	5.00	22.46	J-2	22.46	J-2	True
J-269	False	Residual Pressure Failed	1,000.00	782.30	1,000.00	782.30	20.00	20.05	5.00	13.18	J-141	13.18	J-141	True
J-270	False	Zone Pressure Failed	1,000.00	861.24	1,000.00	861.24	20.00	20.47	5.00	5.00	J-141	5.00	J-141	True
J-271	False	Residual Pressure Failed	1,000.00	837.06	1,039.00	876.06	20.00	20.01	5.00	7.47	J-141	7.47	J-141	True
J-272	False	Residual Pressure Failed	1,000.00	815.54	1,031.50	847.04	20.00	20.02	5.00	9.76	J-141	9.76	J-141	True
J-273	False	Residual Pressure Failed	1,000.00	764.08	1,000.00	764.08	20.00	20.00	5.00	16.05	J-141	16.05	J-141	True
J-274	False	Residual Pressure Failed	1,000.00	715.55	1,021.00	736.55	20.00	20.02	5.00	18.94	J-150	18.94	J-150	True
J-276	True	Passed	1,000.00	1,009.81	1,000.00	1,009.81	20.00	20.00	5.00	8.27	J-150	8.27	J-150	True
J-277	True	Passed	1,000.00	1,417.29	1,000.00	1,417.29	20.00	34.53	5.00	5.01	J-150	5.01	J-150	True
J-278	True	Passed	1,000.00	1,042.18	1,022.50	1,064.68	20.00	20.00	5.00	11.87	J-141	11.87	J-141	True
J-279	False	Residual Pressure Failed	1,000.00	864.80	1,000.00	864.80	20.00	20.02	5.00	7.26	J-141	7.26	J-141	True
J-280	False	Residual Pressure Failed	1,000.00	765.59	1,036.00	801.59	20.00	20.03	5.00	15.05	J-141	15.05	J-141	True
J-281	False	Residual Pressure Failed	1,000.00	775.04	1,012.00	787.04	20.00	20.05	5.00	13.99	J-141	13.99	J-141	True
J-282	True	Passed	1,000.00	2,605.93	1,010.50	2,616.43	20.00	52.78	5.00	5.01	J-150	5.01	J-150	True
J-283	True	Passed	1,000.00	1,746.76	1,000.00	1,746.76	20.00	20.00	5.00	16.80	J-2	16.80	J-2	True
J-284	True	Passed	1,000.00	2,077.34	1,037.50	2,114.84	20.00	20.00	5.00	15.08	J-2	15.08	J-2	True
J-285	True	Passed	1,000.00	1,305.96	1,000.00	1,305.96	20.00	20.01	5.00	15.61	J-121	15.61	J-121	True
J-286	True	Passed	1,000.00	2,017.14	1,034.50	2,051.64	20.00	20.00	5.00	15.48	J-152	15.48	J-152	True
J-287	True	Passed	1,000.00	3,293.25	1,000.00	3,293.25	20.00	20.00	5.00	7.66	J-2	7.66	J-2	True
J-288	True	Passed	1,000.00	2,558.95	1,000.00	2,558.95	20.00	20.00	5.00	12.46	J-2	12.46	J-2	True
J-289	True	Passed	1,000.00	2,738.63	1,019.50	2,758.13	20.00	20.01	5.00	10.58	J-2	10.58	J-2	True
J-290	True	Passed	1,000.00	3,486.87	1,000.00	3,486.87	20.00	22.38	5.00	5.00	J-2	5.00	J-2	True
J-291	True	Passed	1,000.00	1,005.31	1,000.00	1,005.31	20.00	25.17	5.00	5.00	J-2	5.00	J-2	True
J-293	True	Passed	1,000.00	2,841.66	1,000.00	2,841.66	20.00	20.00	5.00	12.30	J-2	12.30	J-2	True
J-294	True	Passed	1,000.00	1,596.99	1,024.00	1,620.99	20.00	20.02	5.00	18.29	J-2	18.29	J-2	True
J-295	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	21.78	5.00	7.14	J-2	7.14	J-2	True
J-297	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	39.16	5.00	6.98	J-2	6.98	J-2	True
J-298	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	33.02	5.00	6.49	J-2	6.49	J-2	True
J-299	True	Passed	1,000.00	2,379.76	1,000.00	2,379.76	20.00	20.00	5.00	12.58	J-2	12.58	J-2	True
J-300	True	Passed	1,000.00	3,425.17	1,000.00	3,425.17	20.00	20.00	5.00	6.00	J-184	6.00	J-184	True
J-301	True	Passed	1,000.00	1,177.29	1,022.50	1,199.79	20.00	20.01	5.00	14.17	J-184	14.17	J-184	True
J-302	False	Residual Pressure Failed	1,000.00	764.00	1,000.00	764.00	20.00	20.04	5.00	19.87	J-303	19.87	J-303	True
J-303	False	Residual Pressure Failed	1,000.00	635.01	1,016.50	651.51	20.00	20.00	5.00	20.06	J-469	20.06	J-469	True
J-304	False	Residual Pressure Failed	1,000.00	503.36	1,000.00	503.36	20.00	20.08	5.00	19.06	J-469	19.06	J-469	True
J-305	True	Passed	1,000.00	1,936.62	1,000.00	1,936.62	20.00	20.00	5.00	18.03	J-2	18.03	J-2	True
J-306	True	Passed	1,000.00	1,817.85	1,000.00	1,817.85	20.00	20.00	5.00	18.57	J-2	18.57	J-2	True
J-307	True	Passed	1,000.00	1,832.79	1,021.00	1,853.79	20.00	20.00	5.00	18.67	J-2	18.67	J-2	True
J-308	True	Passed	1,000.00	1,891.75	1,000.00	1,891.75	20.00	20.00	5.00	18.64	J-2	18.64	J-2	True
J-309	True	Passed	1,000.00	1,967.23	1,000.00	1,967.23	20.00	20.00	5.00	18.57	J-2	18.57	J-2	True
J-310	True	Passed	1,000.00	1,439.24	1,000.00	1,439.24	20.00	20.00	5.00	20.63	J-2	20.63	J-2	True
J-311	True	Passed	1,000.00	1,526.23	1,000.00	1,526.23	20.00	20.00	5.00	20.38	J-2	20.38	J-2	True
J-312	True	Passed	1,000.00	1,828.18	1,000.00	1,828.18	20.00	20.00	5.00	19.33	J-313	19.33	J-313	True
J-313	True	Passed	1,000.00	1,705.88	1,036.00	1,741.88	20.00	20.00	5.00	19.91	J-2	19.91	J-2	True
J-314	True	Passed	1,000.00	1,697.80	1,000.00	1,697.80	20.00	20.00	5.00	19.95	J-2	19.95	J-2	True
J-315	True	Passed	1,000.00	1,796.37	1,000.00	1,796.37	20.00	20.00	5.00	19.64	J-2	19.64	J-2	True
J-317	True	Passed	1,000.00	1,686.59	1,000.00	1,686.59	20.00	20.00	5.00	19.93	J-2	19.93	J-2	True
J-318	True	Passed	1,000.00	2,012.69	1,000.00	2,012.69	20.00	20.00	5.00	18.88	J-2	18.88	J-2	True

Fire Flow Node FlexTable: Fire Flow Results Table

Label	Satisfies Fire Flow Constraints?	Fire Flow Status	Fire Flow (Needed) (gpm)	Fire Flow (Available) (gpm)	Flow (Total Needed) (gpm)	Flow (Total Available) (gpm)	Pressure (Residual Lower Limit) (psi)	Pressure (Calculated Residual) (psi)	Pressure (Zone Lower Limit) (psi)	Pressure (Calculated Zone Lower Limit) (psi)	Junction w/ Minimum Pressure (Zone)	Pressure (Calculated System Lower Limit) (psi)	Junction w/ Minimum Pressure (System)	Is Fire Flow Run Balanced?
J-319	True	Passed	1,000.00	1,743.48	1,015.00	1,758.48	20.00	20.00	5.00	19.55	J-459	19.55	J-459	True
J-322	False	Residual Pressure Failed	1,000.00	780.78	1,013.50	794.28	20.00	20.00	5.00	20.00	J-205	20.00	J-205	True
J-323	True	Passed	1,000.00	2,002.02	1,021.00	2,023.02	20.00	20.00	5.00	19.01	J-459	19.01	J-459	True
J-324	True	Passed	1,000.00	2,127.06	1,019.50	2,146.56	20.00	20.00	5.00	18.19	J-459	18.19	J-459	True
J-325	True	Passed	1,000.00	2,422.50	1,010.50	2,433.00	20.00	20.01	5.00	15.85	J-459	15.85	J-459	True
J-326	False	Zone Pressure Failed	3,000.00	2,601.92	3,006.00	2,607.92	20.00	44.18	20.00	20.00	J-2	20.00	J-2	True
J-327	False	Zone Pressure Failed	3,000.00	2,920.69	3,021.00	2,941.69	20.00	46.10	20.00	20.00	J-2	20.00	J-2	True
J-328	True	Passed	3,000.00	3,352.20	3,000.00	3,352.20	20.00	46.65	20.00	20.00	J-2	20.00	J-2	True
J-329	True	Passed	3,000.00	3,500.00	3,000.00	3,500.00	20.00	48.51	20.00	20.10	J-2	20.10	J-2	True
J-330	True	Passed	3,000.00	3,500.00	3,000.00	3,500.00	20.00	51.59	20.00	20.39	J-2	20.39	J-2	True
J-331	True	Passed	3,000.00	3,500.00	3,000.00	3,500.00	20.00	56.25	20.00	20.80	J-2	20.80	J-2	True
J-332	True	Passed	3,000.00	3,500.00	3,000.00	3,500.00	20.00	57.05	20.00	21.09	J-2	21.09	J-2	True
J-333	True	Passed	3,000.00	3,500.00	3,001.50	3,501.50	20.00	60.10	20.00	22.25	J-2	22.25	J-2	True
J-334	True	Passed	3,000.00	3,500.00	3,000.00	3,500.00	20.00	58.59	20.00	21.80	J-2	21.80	J-2	True
J-335	True	Passed	3,000.00	3,500.00	3,000.00	3,500.00	20.00	62.85	20.00	22.81	J-2	22.81	J-2	True
J-336	True	Passed	1,000.00	1,148.05	1,000.00	1,148.05	20.00	20.00	5.00	18.49	J-238	18.49	J-238	True
J-337	True	Passed	1,000.00	1,089.09	1,000.00	1,089.09	20.00	20.00	5.00	19.04	J-238	19.04	J-238	True
J-338	True	Passed	1,000.00	1,226.90	1,000.00	1,226.90	20.00	20.00	5.00	17.88	J-238	17.88	J-238	True
J-339	True	Passed	1,000.00	2,483.83	1,000.00	2,483.83	20.00	20.00	5.00	20.55	J-257	20.55	J-257	True
J-340	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	35.01	5.00	38.28	J-341	23.87	J-2	True
J-341	True	Passed	1,000.00	3,500.00	1,033.00	3,533.00	20.00	23.68	5.00	29.04	J-255	23.87	J-2	True
J-342	True	Passed	1,000.00	2,022.41	1,000.00	2,022.41	20.00	20.00	5.00	16.25	J-238	16.25	J-238	True
J-343	True	Passed	1,000.00	2,396.68	1,000.00	2,396.68	20.00	20.01	5.00	17.03	J-238	17.03	J-238	True
J-344	True	Passed	1,000.00	1,765.36	1,000.00	1,765.36	20.00	20.00	5.00	15.87	J-238	15.87	J-238	True
J-345	True	Passed	1,000.00	1,450.52	1,000.00	1,450.52	20.00	20.00	5.00	16.52	J-238	16.52	J-238	True
J-346	True	Passed	1,000.00	1,499.50	1,007.50	1,507.00	20.00	20.00	5.00	16.08	J-238	16.08	J-238	True
J-347	True	Passed	1,000.00	1,407.02	1,004.50	1,411.52	20.00	20.00	5.00	16.77	J-238	16.77	J-238	True
J-349	False	Residual Pressure Failed	1,000.00	626.58	1,000.00	626.58	20.00	20.00	5.00	20.73	J-263	20.73	J-263	True
J-350	False	Residual Pressure Failed	1,000.00	641.76	1,000.00	641.76	20.00	20.00	5.00	20.92	J-265	20.92	J-265	True
J-351	False	Residual Pressure Failed	1,000.00	934.14	1,000.00	934.14	20.00	20.03	5.00	20.29	J-355	20.29	J-355	True
J-352	False	Residual Pressure Failed	1,000.00	749.92	1,000.00	749.92	20.00	20.00	5.00	20.73	J-356	20.73	J-356	True
J-353	True	Passed	1,000.00	1,436.41	1,000.00	1,436.41	20.00	20.00	5.00	20.46	J-354	20.46	J-354	True
J-354	True	Passed	1,000.00	1,128.55	1,000.00	1,128.55	20.00	20.03	5.00	20.62	J-351	20.62	J-351	True
J-355	False	Residual Pressure Failed	1,000.00	832.36	1,000.00	832.36	20.00	20.00	5.00	20.10	J-352	20.10	J-352	True
J-356	False	Residual Pressure Failed	1,000.00	699.48	1,000.00	699.48	20.00	20.00	5.00	20.47	J-261	20.47	J-261	True
J-357	True	Passed	1,000.00	3,177.83	1,018.00	3,195.83	20.00	20.00	5.00	9.02	J-2	9.02	J-2	True
J-358	True	Passed	1,000.00	3,208.00	1,000.00	3,208.00	20.00	20.00	5.00	8.91	J-2	8.91	J-2	True
J-359	True	Passed	1,000.00	2,721.46	1,000.00	2,721.46	20.00	38.13	5.00	5.00	J-459	5.00	J-459	True
J-360	True	Passed	1,000.00	2,410.78	1,000.00	2,410.78	20.00	26.52	5.00	5.01	J-459	5.01	J-459	True
J-361	True	Passed	1,000.00	1,515.31	1,006.00	1,521.31	20.00	20.00	5.00	5.20	J-459	5.20	J-459	True
J-362	True	Passed	1,000.00	1,324.88	1,000.00	1,324.88	20.00	20.00	5.00	6.15	J-459	6.15	J-459	True
J-363	True	Passed	1,000.00	1,761.97	1,000.00	1,761.97	20.00	20.76	5.00	5.00	J-459	5.00	J-459	True
J-364	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	29.81	5.00	7.38	J-2	7.38	J-2	True
J-365	False	Residual Pressure Failed	1,000.00	618.99	1,000.00	618.99	20.00	20.00	5.00	22.01	J-2	22.01	J-2	True
J-366	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	28.68	5.00	7.70	J-2	7.70	J-2	True
J-367	True	Passed	1,000.00	2,773.59	1,033.00	2,806.59	20.00	20.00	5.00	11.95	J-2	11.95	J-2	True
J-368	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	33.46	5.00	7.18	J-2	7.18	J-2	True

Fire Flow Node FlexTable: Fire Flow Results Table

Label	Satisfies Fire Flow Constraints?	Fire Flow Status	Fire Flow (Needed) (gpm)	Fire Flow (Available) (gpm)	Flow (Total Needed) (gpm)	Flow (Total Available) (gpm)	Pressure (Residual Lower Limit) (psi)	Pressure (Calculated Residual) (psi)	Pressure (Zone Lower Limit) (psi)	Pressure (Calculated Zone Lower Limit) (psi)	Junction w/ Minimum Pressure (Zone)	Pressure (Calculated System Lower Limit) (psi)	Junction w/ Minimum Pressure (System)	Is Fire Flow Run Balanced?
J-369	False	Residual Pressure Failed	1,000.00	780.15	1,000.00	780.15	20.00	20.05	5.00	13.42	J-141	13.42	J-141	True
J-370	True	Passed	1,000.00	3,419.10	1,021.00	3,440.10	20.00	20.00	5.00	7.21	J-2	7.21	J-2	True
J-372	True	Passed	1,000.00	3,500.00	1,034.50	3,534.50	20.00	33.31	5.00	7.13	J-2	7.13	J-2	True
J-373	True	Passed	1,000.00	2,875.36	1,030.00	2,905.36	20.00	20.00	5.00	11.04	J-2	11.04	J-2	True
J-374	True	Passed	1,000.00	2,768.01	1,021.00	2,789.01	20.00	20.00	5.00	11.96	J-2	11.96	J-2	True
J-375	True	Passed	1,000.00	2,757.18	1,000.00	2,757.18	20.00	20.00	5.00	10.04	J-2	10.04	J-2	True
J-376	True	Passed	1,000.00	3,500.00	1,018.00	3,518.00	20.00	22.59	5.00	7.91	J-2	7.91	J-2	True
J-377	False	Residual Pressure Failed	1,000.00	213.39	1,000.00	213.39	20.00	20.02	5.00	23.39	J-2	23.39	J-2	True
J-378	True	Passed	1,000.00	1,945.36	1,000.00	1,945.36	20.00	20.00	5.00	15.18	J-459	15.18	J-459	True
J-379	True	Passed	1,000.00	1,732.01	1,012.00	1,744.01	20.00	20.00	5.00	19.37	J-459	19.37	J-459	True
J-380	True	Passed	1,000.00	1,769.14	1,000.00	1,769.14	20.00	20.00	5.00	17.65	J-459	17.65	J-459	True
J-381	True	Passed	1,000.00	1,614.92	1,018.00	1,632.92	20.00	20.00	5.00	19.90	J-2	19.90	J-2	True
J-382	True	Passed	1,000.00	1,640.87	1,000.00	1,640.87	20.00	20.00	5.00	19.89	J-2	19.89	J-2	True
J-385	False	Residual Pressure Failed	1,000.00	357.57	1,000.00	357.57	20.00	20.00	5.00	18.30	J-2	18.30	J-2	True
J-387	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	90.97	5.00	23.91	J-2	23.91	J-2	True
J-391	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	68.07	5.00	66.95	J-258	23.91	J-2	True
J-392	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	95.28	5.00	95.28	J-392	23.91	J-2	True
J-421	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	24.16	5.00	15.98	J-2	15.98	J-2	True
J-426	True	Passed	1,000.00	3,329.30	1,000.00	3,329.30	20.00	20.00	5.00	7.04	J-2	7.04	J-2	True
J-431	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	21.95	5.00	6.50	J-2	6.50	J-2	True
J-435	True	Passed	1,000.00	2,464.04	1,000.00	2,464.04	20.00	20.00	5.00	12.95	J-2	12.95	J-2	True
J-436	False	Residual Pressure Failed	1,000.00	451.81	1,000.00	451.81	20.00	20.01	5.00	22.30	J-2	22.30	J-2	True
J-439	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	37.43	5.00	6.90	J-2	6.90	J-2	True
J-441	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	32.97	5.00	7.16	J-2	7.16	J-2	True
J-443	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	36.70	5.00	7.05	J-2	7.05	J-2	True
J-444	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	34.03	5.00	7.15	J-2	7.15	J-2	True
J-445	True	Passed	1,000.00	2,842.22	1,000.00	2,842.22	20.00	20.01	5.00	9.85	J-2	9.85	J-2	True
J-448	False	Residual Pressure Failed	1,000.00	250.56	1,000.00	250.56	20.00	20.12	5.00	13.02	J-459	13.02	J-459	True
J-455	False	Zone Pressure Failed	1,000.00	589.06	1,000.00	589.06	20.00	22.75	5.00	5.00	J-459	5.00	J-459	True
J-456	False	Zone Pressure Failed	1,000.00	573.06	1,000.00	573.06	20.00	21.40	5.00	5.00	J-459	5.00	J-459	True
J-458	False	Residual Pressure Failed	1,000.00	172.10	1,000.00	172.10	20.00	20.16	5.00	17.16	J-459	17.16	J-459	True
J-459	False	Residual Pressure Failed	1,000.00	145.57	1,009.00	154.57	20.00	20.16	5.00	23.60	J-2	23.60	J-2	True
J-460	False	Residual Pressure Failed	1,000.00	146.85	1,000.00	146.85	20.00	20.16	5.00	20.55	J-461	20.55	J-461	True
J-461	False	Residual Pressure Failed	1,000.00	138.93	1,012.00	150.93	20.00	20.00	5.00	22.20	J-460	22.20	J-460	True
J-462	False	Zone Pressure Failed	1,000.00	768.64	1,000.00	768.64	20.00	23.65	5.00	5.00	J-459	5.00	J-459	True
J-463	False	Residual Pressure Failed	1,000.00	818.76	1,072.00	890.76	20.00	20.01	5.00	6.72	J-459	6.72	J-459	True
J-464	False	Residual Pressure Failed	1,000.00	918.44	1,000.00	918.44	20.00	20.00	5.00	8.95	J-459	8.95	J-459	True
J-465	False	Residual Pressure Failed	1,000.00	341.15	1,015.00	356.15	20.00	20.11	5.00	10.88	J-459	10.88	J-459	True
J-466	False	Residual Pressure Failed	1,000.00	215.11	1,000.00	215.11	20.00	20.13	5.00	13.83	J-459	13.83	J-459	True
J-468	False	Residual Pressure Failed	1,000.00	157.69	1,000.00	157.69	20.00	20.16	5.00	20.08	J-459	20.08	J-459	True
J-469	False	Residual Pressure Failed	1,000.00	485.14	1,060.00	545.14	20.00	20.06	5.00	22.41	J-177	22.41	J-177	True
J-486	False	Zone Pressure Failed	1,000.00	706.00	1,015.00	721.00	20.00	23.81	5.00	5.00	J-459	5.00	J-459	True
J-501	False	Residual Pressure Failed	1,000.00	576.76	1,000.00	576.76	20.00	20.10	5.00	19.88	J-469	19.88	J-469	True
J-507	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	69.87	5.00	69.53	J-238	23.87	J-2	True
J-508	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	70.17	5.00	70.17	J-508	23.90	J-2	True
J-651	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	42.86	5.00	19.35	J-2	19.35	J-2	True
J-652	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	44.12	5.00	19.63	J-2	19.63	J-2	True

Fire Flow Node FlexTable: Fire Flow Results Table

Label	Satisfies Fire Flow Constraints?	Fire Flow Status	Fire Flow (Needed) (gpm)	Fire Flow (Available) (gpm)	Flow (Total Needed) (gpm)	Flow (Total Available) (gpm)	Pressure (Residual Lower Limit) (psi)	Pressure (Calculated Residual) (psi)	Pressure (Zone Lower Limit) (psi)	Pressure (Calculated Zone Lower Limit) (psi)	Junction w/ Minimum Pressure (Zone)	Pressure (Calculated System Lower Limit) (psi)	Junction w/ Minimum Pressure (System)	Is Fire Flow Run Balanced?
J-655	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	44.60	5.00	19.71	J-2	19.71	J-2	True
J-870	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	62.32	5.00	22.70	J-2	22.70	J-2	True
J-1293	False	Zone Pressure Failed	1,000.00	791.84	1,000.00	791.84	20.00	22.28	5.00	5.00	J-459	5.00	J-459	True
J-1386	False	Residual Pressure and Zone Pressure Failed	1,000.00	815.98	1,000.00	815.98	20.00	20.28	5.00	5.00	J-459	5.00	J-459	True
J-1409	True	Passed	1,000.00	1,304.80	1,000.00	1,304.80	20.00	20.00	5.00	19.87	J-238	19.87	J-238	True
J-1446	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	42.84	5.00	38.92	J-1466	19.71	J-2	True
J-1447	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	38.50	5.00	34.81	J-1466	19.71	J-2	True
J-1448	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	36.73	5.00	33.71	J-1466	19.71	J-2	True
J-1449	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	34.86	5.00	32.19	J-1466	19.71	J-2	True
J-1464	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	37.66	5.00	34.36	J-1466	19.71	J-2	True
J-1465	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	32.85	5.00	30.55	J-1466	19.71	J-2	True
J-1466	True	Passed	1,000.00	2,216.33	1,439.50	2,655.83	20.00	20.00	5.00	47.65	J-1465	21.42	J-2	True
J-1472	True	Passed	1,000.00	1,634.59	1,000.00	1,634.59	20.00	20.00	5.00	20.29	J-2	20.29	J-2	True
J-1473	True	Passed	1,000.00	1,762.78	1,000.00	1,762.78	20.00	20.00	5.00	18.86	J-1472	18.86	J-1472	True
J-1474	True	Passed	1,000.00	1,848.33	1,000.00	1,848.33	20.00	20.00	5.00	19.06	J-1472	19.06	J-1472	True
J-1475	True	Passed	1,000.00	1,888.11	1,081.00	1,969.11	20.00	20.00	5.00	19.21	J-1472	19.21	J-1472	True
J-1476	True	Passed	1,000.00	2,157.65	1,000.00	2,157.65	20.00	20.00	5.00	18.74	J-459	18.74	J-459	True
J-1484	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	39.44	5.00	19.97	J-2	19.97	J-2	True
J-1485	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	38.03	5.00	69.40	J-258	19.97	J-2	True
J-1487	True	Passed	1,000.00	3,500.00	1,000.00	3,500.00	20.00	47.15	5.00	19.97	J-2	19.97	J-2	True
J-1498	True	Passed	1,000.00	3,500.00	1,019.50	3,519.50	20.00	45.05	5.00	19.97	J-2	19.97	J-2	True
J-1649	True	Passed	1,000.00	2,195.13	1,439.50	2,634.63	20.00	20.00	5.00	45.56	J-1466	21.45	J-2	True

PROPOSED LAYOUT

N

1 INCH = 1,500 FT

0 750 1,500 Feet

DETAIL A

DETAIL B

DETAIL C

ALSATIAN OAKS PLANT

MEDINA VALLEY PLANT

AIRPORT PLANT

CITY HILL PLANT

CITY TOWN PLANT

PROJECT NAME:	WATER & WASTEWATER MASTER PLAN
PROJECT NO.:	W0143-W015
DRAWN BY:	HAYDEN.DALLMEYER
CHECKED BY:	DARYL.SPILLMAN

RESPEC • 407 PARIS STREET, SUITE 1 • CASTRO VILLE, TEXAS 78009
TBPE FIRM NO. F-17502 • WWW.RESPEC.COM

CASTROVILLE
The Little Alsace of Texas

CITY OF CASTROVILLE

WATER & WASTEWATER MASTER PLAN

PROPOSED WATER SYSTEM

WATERCAD MODEL LAYOUT

LEGEND

PIPE DIAMETER (IN)
- 8" AND SMALLER
- 10"-16"
- 24" AND GREATER

PROPOSED SYSTEM JUNCTIONS

PROPOSED SYSTEM TANKS

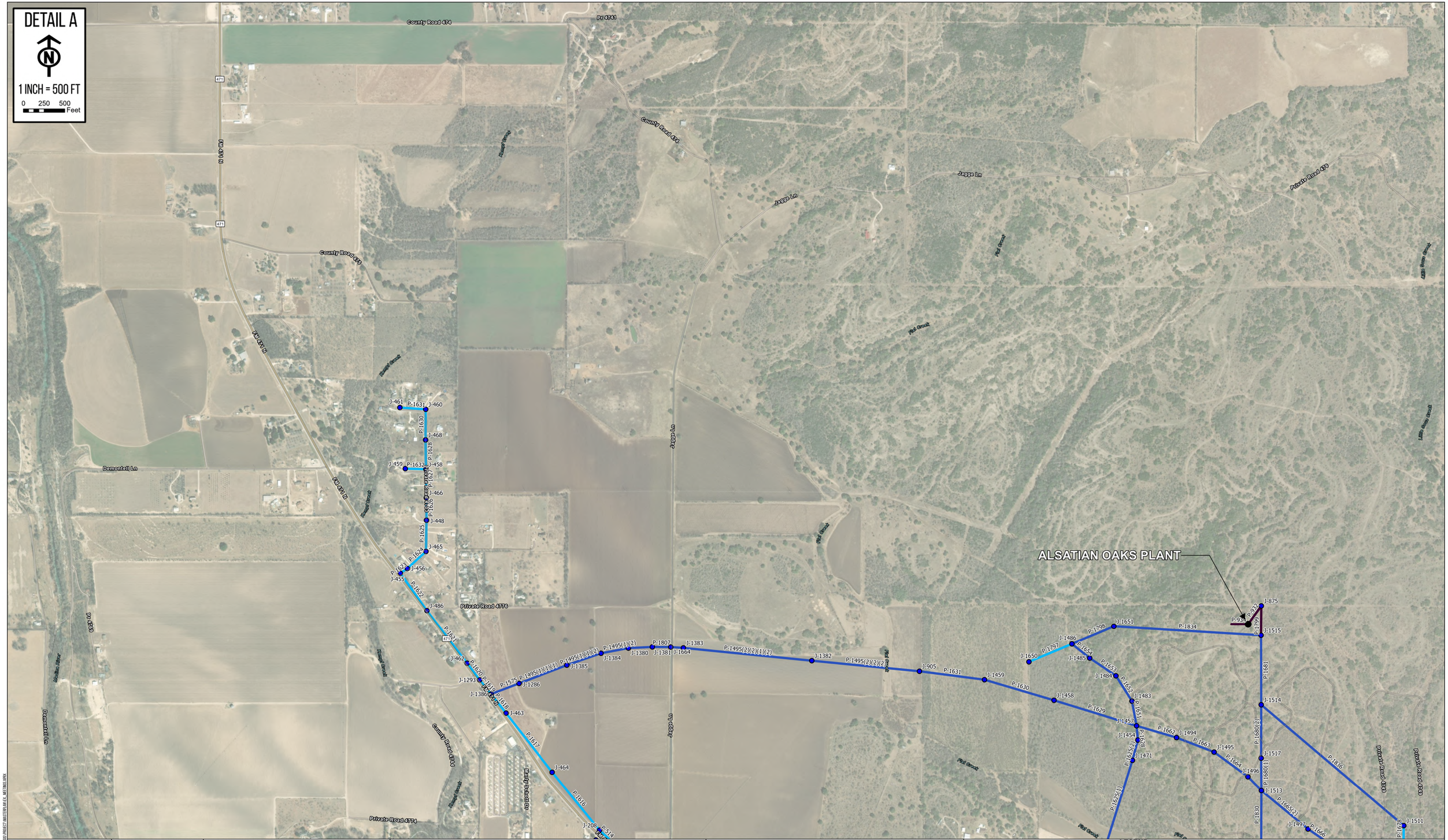
PROPOSED SYSTEM NORMALLY CLOSED ISOLATION VALVES

VIEWPORTS

DETAIL A

1 INCH = 500 FT

0 250 500 Feet



PROJECT NAME:	WATER & WASTEWATER MASTER PLAN
PROJECT NO.:	W0143-W015
DRAWN BY:	HAYDEN.DALLMEYER
CHECKED BY:	DARYL.SPILLMAN

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CITY OF CASTROVILLE

WATER & WASTEWATER MASTER PLAN

PROPOSED WATER SYSTEM

WATERCAD MODEL DETAIL A (1/3)

LEGEND

PIPE DIAMETER (IN)
- 8" AND SMALLER
- 10"-16"
- 24" AND GREATER

PROPOSED SYSTEM JUNCTIONS

PROPOSED SYSTEM TANKS

PROPOSED SYSTEM NORMALLY CLOSED ISOLATION VALVES

X:\PROJECTS\W0143-CITY OF CASTROVILLE TX\MXDS - WWW MASTER PLAN\GIS_PROJECT\MASTER PLAN\CA_WETMOS.MPR4

DETAIL B

0 250 500 Feet

CITY TOWN PLANT

CITY HALL PLANT

AIRPORT PLANT

PROJECT NAME:	WATER & WASTEWATER MASTER PLAN
PROJECT NO.:	W0143-W015
DRAWN BY:	HAYDEN.DALLMEYER
CHECKED BY:	DARYL.SPILLMAN

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CITY OF CASTROVILLE
WATER & WASTEWATER MASTER PLAN
PROPOSED WATER SYSTEM
WATERCAD MODEL DETAIL B (2/3)

LEGEND

PIPE DIAMETER (IN)
- 8" AND SMALLER
- 10"-16"
- 24" AND GREATER

- PROPOSED SYSTEM JUNCTIONS
- PROPOSED SYSTEM TANKS
- PROPOSED SYSTEM NORMALLY CLOSED ISOLATION VALVES

N:\PROJECTS\W0143\CITY OF CASTROVILLE TX\W015 - WWMM MASTER PLAN\06_GIS\PROJECT\MASTER PLAN\CW_MASTER.MXD



PROJECT NAME:	WATER & WASTEWATER MASTER PLAN
PROJECT NO.:	W0143-W015
DRAWN BY:	HAYDEN.DALLMEYER
CHECKED BY:	DARYL.SPILLMAN

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CITY OF CASTROVILLE
WATER & WASTEWATER MASTER PLAN
PROPOSED WATER SYSTEM
WATERCAD MODEL DETAIL C (3/3)

LEGEND

PIPE DIAMETER (IN)
- 8" AND SMALLER
- 10"-16"
- 24" AND GREATER

PROPOSED SYSTEM JUNCTIONS

PROPOSED SYSTEM TANKS

PROPOSED SYSTEM NORMALLY CLOSED ISOLATION VALVES

X:\PROJECTS\W0143-CITY OF CASTROVILLE\TX\MPTS - WWMP\MASTER PLAN\DWG\PROJECT\MASTER PLAN.DWG, 2021 PROJECT MASTER PLAN (11 X 17).PRINT

PROPOSED SYSTEM
ADF RESULTS

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-2	400	J-4	J-5	6.0	PVC	120.0	0.350	6.4	0.07
P-3	372	J-5	J-6	6.0	PVC	120.0	0.500	22.0	0.25
P-4	406	J-6	J-7	6.0	PVC	120.0	0.500	21.6	0.25
P-6	362	J-7	J-9	6.0	PVC	120.0	0.350	12.9	0.15
P-7	385	J-9	J-10	6.0	PVC	120.0	0.800	8.1	0.09
P-8	595	J-6	J-11	8.0	PVC	120.0	0.000	0.0	0.00
P-9	388	J-12	J-4	6.0	PVC	120.0	1.280	10.3	0.12
P-11	399	J-12	J-14	8.0	PVC	120.0	1.280	18.1	0.12
P-12	388	J-5	J-14	8.0	PVC	120.0	1.280	17.8	0.11
P-13	186	J-14	J-15	8.0	PVC	120.0	0.350	0.4	0.00
P-14	180	J-15	J-16	8.0	PVC	120.0	0.000	1.0	0.01
P-15	395	J-16	J-17	8.0	PVC	120.0	0.750	24.9	0.16
P-16	374	J-17	J-18	8.0	PVC	120.0	0.750	53.3	0.34
P-17	388	J-18	J-19	8.0	PVC	120.0	0.750	45.1	0.29
P-18	400	J-19	J-20	8.0	PVC	120.0	0.750	43.4	0.28
P-19	394	J-20	J-21	8.0	PVC	120.0	0.350	24.4	0.16
P-20	379	J-21	J-22	8.0	PVC	120.0	0.750	24.8	0.16
P-21	373	J-22	J-23	8.0	PVC	120.0	0.350	20.8	0.13
P-22	377	J-23	J-24	8.0	PVC	120.0	0.750	19.7	0.13
P-23	393	J-24	J-25	8.0	PVC	120.0	1.280	11.5	0.07
P-24	375	J-15	J-26	2.0	PVC	120.0	1.280	1.3	0.14
P-25	571	J-26	J-6	8.0	PVC	120.0	0.750	0.4	0.00
P-26	184	J-26	J-27	8.0	PVC	120.0	0.350	1.7	0.01
P-27	393	J-27	J-28	8.0	PVC	120.0	0.750	2.2	0.01
P-28	377	J-28	J-29	8.0	PVC	120.0	1.280	16.1	0.10
P-30	387	J-31	J-17	12.0	PVC	120.0	0.500	136.2	0.39
P-31	385	J-31	J-32	8.0	PVC	120.0	0.350	35.1	0.22
P-32	147	J-33	J-16	6.0	PVC	120.0	0.500	0.0	0.00
P-33	376	J-16	J-27	6.0	PVC	120.0	0.500	24.0	0.27
P-34	404	J-27	J-34	6.0	PVC	120.0	0.350	21.4	0.24
P-35	354	J-34	J-40	6.0	PVC	120.0	0.350	15.0	0.17
P-36	392	J-40	J-36	6.0	PVC	120.0	0.500	15.2	0.17
P-38	387	J-37	J-38	6.0	PVC	120.0	0.350	13.8	0.16
P-39	371	J-38	J-39	6.0	PVC	120.0	0.200	10.1	0.11
P-41	371	J-40	J-41	8.0	PVC	120.0	1.280	1.6	0.01
P-42	27	J-41	J-42	8.0	PVC	120.0	0.350	1.6	0.01
P-43	379	J-42	J-43	8.0	PVC	120.0	0.750	6.7	0.04
P-45	366	J-45	J-295	6.0	PVC	120.0	1.280	12.2	0.14
P-47	360	J-9	J-45	6.0	PVC	120.0	1.280	4.8	0.05
P-48	389	J-45	J-48	6.0	PVC	120.0	0.500	8.5	0.10
P-50	398	J-36	J-48	6.0	PVC	120.0	0.750	12.3	0.14
P-52	358	J-48	J-10	6.0	PVC	120.0	0.000	5.5	0.06
P-53	356	J-48	J-50	2.0	PVC	120.0	0.000	0.0	0.00
P-55	388	J-51	J-18	8.0	PVC	120.0	0.500	18.6	0.12
P-56	185	J-51	J-52	8.0	PVC	120.0	0.000	67.7	0.43
P-57	376	J-17	J-28	8.0	PVC	120.0	0.500	58.0	0.37
P-59	389	J-42	J-53	8.0	PVC	120.0	0.500	34.7	0.22
P-60	381	J-53	J-54	8.0	PVC	120.0	0.000	27.3	0.17
P-61	384	J-54	J-55	8.0	PVC	120.0	0.350	27.3	0.17
P-62	404	J-55	J-58	8.0	PVC	120.0	0.500	24.4	0.16
P-64	386	J-58	J-59	8.0	PVC	120.0	1.280	17.9	0.11
P-65	390	J-59	J-39	8.0	PVC	120.0	0.500	18.2	0.12
P-67	338	J-37	J-61	6.0	PVC	120.0	0.750	0.0	0.00
P-69	375	J-55	J-37	6.0	PVC	120.0	1.280	2.9	0.03
P-70	391	J-58	J-38	2.0	PVC	120.0	1.280	0.4	0.04
P-71	362	J-36	J-62	8.0	PVC	120.0	0.750	11.3	0.07
P-72	29	J-62	J-53	8.0	PVC	120.0	0.350	11.3	0.07
P-75	340	J-43	J-65	6.0	PVC	120.0	0.000	0.0	0.00
P-76	376	J-18	J-29	8.0	PVC	120.0	0.350	26.8	0.17
P-78	383	J-66	J-19	8.0	PVC	120.0	1.280	6.9	0.04
P-80	221	J-43	J-79	8.0	PVC	120.0	0.750	37.5	0.24
P-83	132	J-68	J-69	6.0	PVC	120.0	0.800	0.0	0.00
P-85	384	J-445	J-68	8.0	PVC	120.0	0.350	0.7	0.00
P-87	389	J-71	J-21	8.0	PVC	120.0	0.500	11.5	0.07
P-88	626	J-20	J-72	6.0	PVC	120.0	1.280	14.7	0.17
P-97	395	J-73	J-81	8.0	PVC	120.0	0.750	22.7	0.14
P-99	299	J-80	J-81	3.0	PVC	120.0	0.500	0.0	0.00
P-100	369	J-81	J-63	8.0	PVC	120.0	0.350	16.0	0.10
P-101	366	J-63	J-82	8.0	PVC	120.0	0.350	31.9	0.20
P-103	20	J-83	J-84	8.0	PVC	120.0	0.500	15.7	0.10
P-104	369	J-84	J-85	8.0	PVC	120.0	1.280	11.2	0.07
P-107	374	J-59	J-86	8.0	PVC	120.0	0.350	6.3	0.04
P-109	390	J-86	J-85	8.0	PVC	120.0	0.750	6.7	0.04
P-110	389	J-85	J-88	8.0	PVC	120.0	1.280	4.2	0.03
P-111	368	J-88	J-75	8.0	PVC	120.0	0.350	9.3	0.06
P-112	390	J-75	J-84	8.0	PVC	120.0	0.750	3.8	0.02
P-113	214	J-86	J-89	8.0	PVC	120.0	0.350	1.1	0.01
P-114	166	J-89	J-90	8.0	PVC	120.0	1.280	(N/A)	(N/A)
P-115	178	J-89	J-92	8.0	PVC	120.0	0.500	1.1	0.01
P-116	157	J-92	J-93	8.0	PVC	120.0	0.500	1.8	0.01
P-117	284	J-94	J-95	6.0	PVC	120.0	0.000	0.0	0.00
P-118	491	J-95	J-96	2.0	PVC	120.0	1.280	0.0	0.00
P-119	220	J-95	J-97	6.0	PVC	120.0	0.350	1.9	0.02
P-120	282	J-97	J-93	2.0	PVC	120.0	0.300	0.0	0.00
P-121	432	J-93	J-98	2.0	PVC	120.0	0.300	0.2	0.02
P-122	209	J-97	J-92	8.0	PVC	120.0	0.500	1.9	0.01

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-125	387	J-99	J-100	8.0	PVC	120.0	0.000	1.5	0.01
P-126	34	J-100	J-101	8.0	PVC	120.0	1.280	0.7	0.00
P-127	371	J-102	J-103	8.0	PVC	120.0	0.350	10.8	0.07
P-128	377	J-103	J-100	8.0	PVC	120.0	0.800	0.7	0.00
P-129	291	J-103	J-104	8.0	PVC	120.0	1.280	0.0	0.00
P-130	384	J-88	J-99	8.0	PVC	120.0	0.500	5.2	0.03
P-131	213	J-99	J-105	8.0	PVC	120.0	0.500	1.2	0.01
P-132	421	J-105	J-98	8.0	PVC	120.0	0.300	0.2	0.00
P-134	107	J-106	J-107	8.0	PVC	120.0	0.500	7.7	0.05
P-137	420	J-110	J-111	8.0	PVC	120.0	0.300	2.2	0.01
P-138	420	J-111	J-112	8.0	PVC	120.0	0.300	5.5	0.04
P-139	417	J-112	J-101	8.0	PVC	120.0	0.000	2.4	0.02
P-141	444	J-101	J-105	8.0	PVC	120.0	0.350	1.6	0.01
P-143	606	J-114	J-112	2.0	PVC	120.0	0.500	0.2	0.03
P-144	400	J-114	J-102	6.0	PVC	120.0	0.750	2.6	0.03
P-145	380	J-102	J-75	6.0	PVC	120.0	0.750	0.4	0.00
P-146	379	J-114	J-115	6.0	PVC	120.0	0.750	3.1	0.04
P-147	292	J-115	J-116	6.0	PVC	120.0	0.750	2.8	0.03
P-148	89	J-116	J-117	6.0	PVC	120.0	1.280	2.8	0.03
P-149	429	J-111	J-115	6.0	PVC	120.0	0.500	3.3	0.04
P-150	387	J-115	J-118	6.0	PVC	120.0	0.500	2.9	0.03
P-151	406	J-118	J-119	6.0	PVC	120.0	0.350	3.2	0.04
P-152	372	J-118	J-120	2.0	PVC	120.0	1.280	0.2	0.03
P-154	9	J-122	J-123	6.0	PVC	120.0	0.750	12.8	0.15
P-155	381	J-122	J-24	6.0	PVC	120.0	0.500	4.2	0.05
P-157	385	J-124	J-125	6.0	PVC	120.0	0.500	3.4	0.04
P-158	383	J-125	J-126	6.0	PVC	120.0	0.350	3.1	0.04
P-159	374	J-126	J-127	6.0	PVC	120.0	0.500	2.9	0.03
P-160	406	J-127	J-120	6.0	PVC	120.0	0.350	5.0	0.06
P-161	383	J-120	J-117	6.0	PVC	120.0	0.350	1.0	0.01
P-162	261	J-117	J-110	6.0	PVC	120.0	0.500	1.7	0.02
P-163	392	J-109	J-127	8.0	PVC	120.0	1.280	2.3	0.01
P-164	372	J-127	J-119	8.0	PVC	120.0	0.750	4.3	0.03
P-166	402	J-443	J-74	8.0	PVC	120.0	0.750	12.8	0.08
P-167	397	J-74	J-82	8.0	PVC	120.0	1.280	13.9	0.09
P-170	383	J-25	J-130	8.0	PVC	120.0	0.350	5.8	0.04
P-171	415	J-130	J-131	8.0	PVC	120.0	0.750	1.4	0.01
P-172	363	J-131	J-132	8.0	PVC	120.0	0.350	0.0	0.00
P-173(1)	58	J-132	PRV-15	6.0	PVC	120.0	0.200	(N/A)	(N/A)
P-173(2)	205	PRV-15	J-133	6.0	PVC	120.0	0.200	(N/A)	(N/A)
P-174	263	J-133	J-134	6.0	PVC	120.0	1.280	0.0	0.00
P-175	310	J-133	J-135	6.0	PVC	120.0	0.350	3.8	0.04
P-177	306	J-136	J-137	6.0	PVC	120.0	0.350	11.5	0.13
P-178	322	J-137	J-138	6.0	PVC	120.0	0.350	9.9	0.11
P-179	254	J-138	J-139	6.0	PVC	120.0	0.350	8.4	0.10
P-181	235	J-139	J-141	6.0	PVC	120.0	0.350	1.9	0.02
P-182	22	J-142	J-143	2.0	PVC	120.0	0.750	0.0	0.00
P-183	49	J-143	J-144	2.0	PVC	120.0	0.000	0.0	0.00
P-185	228	J-145	J-146	6.0	PVC	120.0	0.000	0.0	0.00
P-195	384	J-151	J-22	8.0	PVC	120.0	1.280	5.0	0.03
P-196	377	J-130	J-123	8.0	PVC	120.0	0.000	12.8	0.08
P-198	359	J-132	J-153	2.0	PVC	120.0	1.280	0.0	0.00
P-199	359	J-131	J-154	6.0	PVC	120.0	1.280	1.4	0.02
P-201	383	J-156	J-23	8.0	PVC	120.0	0.500	1.1	0.01
P-203	391	J-151	J-71	8.0	PVC	120.0	0.750	26.8	0.17
P-204	256	J-71	J-158	8.0	PVC	120.0	0.000	26.0	0.17
P-205	378	J-122	J-156	8.0	PVC	120.0	0.750	17.0	0.11
P-206	361	J-156	J-151	8.0	PVC	120.0	0.750	21.9	0.14
P-207	380	J-124	J-159	6.0	PVC	120.0	0.750	3.4	0.04
P-210	379	J-162	J-159	8.0	PVC	120.0	0.500	3.4	0.02
P-211	65	J-159	J-163	0.8	PVC	120.0	0.750	0.0	0.00
P-212	378	J-125	J-162	6.0	PVC	120.0	0.750	1.5	0.02
P-213	359	J-162	J-165	6.0	PVC	120.0	0.750	1.9	0.02
P-215	388	J-165	J-166	6.0	PVC	120.0	0.750	10.2	0.12
P-216	399	J-166	J-73	6.0	PVC	120.0	0.750	12.2	0.14
P-217	528	J-166	J-167	6.0	PVC	120.0	0.500	11.2	0.13
P-218	225	J-167	J-168	6.0	PVC	120.0	0.350	11.2	0.13
P-219	112	J-167	J-169	6.0	PVC	120.0	1.280	0.0	0.00
P-220	378	J-165	J-170	8.0	PVC	120.0	0.500	0.0	0.00
P-221	376	J-165	J-171	8.0	PVC	120.0	0.500	5.2	0.03
P-222	75	J-126	J-172	2.0	PVC	120.0	1.280	0.2	0.02
P-223	299	J-172	J-160	3.0	PVC	120.0	0.750	0.2	0.01
P-224	410	J-160	J-171	3.0	PVC	120.0	0.750	0.4	0.02
P-225	181	J-171	J-173	3.0	PVC	120.0	0.000	0.0	0.00
P-226	398	J-166	J-174	8.0	PVC	120.0	0.000	13.1	0.08
P-227	350	J-174	J-443	8.0	PVC	120.0	0.500	13.1	0.08
P-228	370	J-160	J-119	8.0	PVC	120.0	0.500	1.5	0.01
P-229	488	J-110	J-175	2.0	PVC	120.0	0.000	0.0	0.00
P-230	210	J-176	J-177	2.0	PVC	120.0	0.500	2.4	0.25
P-231	386	J-177	J-178	2.0	PVC	120.0	0.300	0.0	0.00
P-232	78	J-177	J-179	2.0	PVC	120.0	0.800	2.4	0.25
P-233	361	J-180	J-181	2.0	PVC	120.0	1.280	1.2	0.12
P-235	220	J-183	J-184	2.0	PVC	120.0	0.750	0.0	0.00
P-239	420	J-185	J-182	6.0	PVC	120.0	1.280	4.7	0.05
P-240	281	J-60	J-186	12.0	PVC	120.0	0.000	28.3	0.08
P-241	143	J-186	J-185	6.0	PVC	120.0	0.350	23.3	0.26

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-243	297	J-187	J-188	6.0	PVC	120.0	1.280	19.5	0.22
P-244	215	J-187	J-189	6.0	PVC	120.0	0.350	19.5	0.22
P-245	218	J-189	J-190	6.0	PVC	120.0	0.350	13.0	0.15
P-248	23	J-192	J-193	6.0	PVC	120.0	1.280	4.1	0.05
P-250	47	J-194	J-196	6.0	PVC	120.0	0.350	17.0	0.19
P-252	84	J-197	J-198	6.0	PVC	120.0	0.500	7.3	0.08
P-253	126	J-197	J-199	6.0	PVC	120.0	0.500	6.0	0.07
P-254	160	J-199	J-192	6.0	PVC	120.0	1.280	2.5	0.03
P-255	434	J-200	J-201	2.0	PVC	120.0	0.500	0.0	0.00
P-258	166	J-193	J-199	8.0	PVC	120.0	0.350	3.6	0.02
P-259	68	J-199	J-198	8.0	PVC	120.0	0.750	0.1	0.00
P-262	150	J-203	J-204	6.0	PVC	120.0	0.000	0.6	0.01
P-264	437	J-194	J-206	8.0	PVC	120.0	0.350	22.2	0.14
P-265	287	J-206	J-207	8.0	PVC	120.0	0.350	30.8	0.20
P-266	294	J-207	J-107	8.0	PVC	120.0	0.350	42.3	0.27
P-268	558	J-106	J-209	6.0	PVC	120.0	1.280	1.9	0.02
P-269	498	J-209	J-210	6.0	PVC	120.0	0.500	0.0	0.00
P-270	651	J-209	J-211	6.0	PVC	120.0	0.000	0.0	0.00
P-272	331	J-212	J-213	6.0	PVC	120.0	1.280	1.7	0.02
P-274	487	J-212	J-214	6.0	PVC	120.0	0.350	6.9	0.08
P-275	313	J-214	J-215	6.0	PVC	120.0	0.350	2.1	0.02
P-276	187	J-215	J-216	6.0	PVC	120.0	0.000	0.6	0.01
P-277	202	J-213	J-217	4.0	PVC	120.0	0.750	0.7	0.02
P-278	305	J-214	J-218	4.0	PVC	120.0	1.280	1.7	0.04
P-279	305	J-215	J-219	4.0	PVC	120.0	1.280	1.4	0.04
P-280	307	J-213	J-204	8.0	PVC	120.0	0.350	4.9	0.03
P-282	492	J-204	J-221	8.0	PVC	120.0	1.280	5.5	0.04
P-283	308	J-221	J-222	8.0	PVC	120.0	0.350	0.7	0.00
P-285	261	J-223	J-224	8.0	PVC	120.0	0.350	23.9	0.15
P-286	261	J-224	J-225	8.0	PVC	120.0	0.350	26.8	0.17
P-287	158	J-225	J-226	8.0	PVC	120.0	0.350	29.4	0.19
P-288	287	J-226	J-227	8.0	PVC	120.0	0.750	29.4	0.19
P-289	304	J-221	J-228	4.0	PVC	120.0	1.280	1.4	0.04
P-290	304	J-222	J-229	4.0	PVC	120.0	1.280	1.4	0.04
P-291	386	J-223	J-230	6.0	PVC	120.0	1.280	2.6	0.03
P-292	387	J-224	J-231	6.0	PVC	120.0	1.280	2.9	0.03
P-293	385	J-225	J-232	6.0	PVC	120.0	1.280	2.6	0.03
P-294	171	J-226	J-233	2.0	PVC	120.0	1.280	0.0	0.00
P-295	565	J-234	J-227	12.0	PVC	120.0	0.500	21.4	0.06
P-301	395	J-238	J-239	8.0	PVC	120.0	0.000	0.0	0.00
P-302	619	J-239	J-240	8.0	PVC	120.0	1.280	0.0	0.00
P-304	308	J-241	J-242	10.0	PVC	120.0	0.300	1.4	0.01
P-312	554	J-250	J-251	10.0	PVC	120.0	1.280	193.7	0.79
P-313	653	J-252	J-253	10.0	PVC	120.0	0.000	182.6	0.75
P-314	333	J-253	J-254	10.0	PVC	120.0	0.350	40.8	0.17
P-315	275	J-253	J-251	8.0	PVC	120.0	1.280	141.8	0.91
P-317	535	J-255	J-256	8.0	PVC	120.0	1.280	46.6	0.30
P-318	512	J-256	J-254	8.0	PVC	120.0	0.350	43.2	0.28
P-321	238	J-258	J-259	6.0	PVC	120.0	0.800	0.0	0.00
P-322	351	J-258	J-260	16.0	PVC	120.0	0.000	0.0	0.00
P-325	394	J-262	J-263	6.0	PVC	120.0	0.350	0.5	0.01
P-327	337	J-264	J-261	6.0	PVC	120.0	0.000	0.2	0.00
P-329	461	J-265	J-262	6.0	PVC	120.0	0.800	0.3	0.00
P-331	238	J-7	J-266	1.5	PVC	120.0	0.000	0.0	0.00
P-332	462	J-196	J-267	1.5	PVC	120.0	1.280	0.7	0.13
P-333	390	J-40	J-45	8.0	PVC	120.0	1.280	4.9	0.03
P-334	169	J-72	J-268	3.0	PVC	120.0	1.280	0.0	0.00
P-336	436	J-269	J-136	6.0	PVC	120.0	0.800	4.7	0.05
P-338	319	J-270	J-147	6.0	PVC	120.0	0.800	7.9	0.09
P-339	458	J-137	J-271	6.0	PVC	120.0	1.280	1.7	0.02
P-340	512	J-271	J-270	6.0	PVC	120.0	0.000	7.9	0.09
P-341	502	J-147	J-272	6.0	PVC	120.0	1.280	6.5	0.07
P-342	403	J-272	J-138	6.0	PVC	120.0	1.280	1.4	0.02
P-343	414	J-139	J-273	6.0	PVC	120.0	1.280	10.3	0.12
P-344	439	J-273	J-148	6.0	PVC	120.0	0.350	10.3	0.12
P-346	101	J-274	J-150	8.0	PVC	120.0	0.800	0.0	0.00
P-347	539	J-149	J-276	8.0	PVC	120.0	0.350	3.4	0.02
P-348	549	J-276	J-274	8.0	PVC	120.0	0.800	3.4	0.02
P-349	504	J-149	J-277	12.0	PVC	120.0	0.200	31.7	0.09
P-350	349	J-277	J-143	12.0	PVC	120.0	0.000	31.7	0.09
P-351	438	J-148	J-278	12.0	PVC	120.0	0.200	24.7	0.07
P-352	523	J-278	J-149	12.0	PVC	120.0	1.280	28.3	0.08
P-353	183	J-148	J-279	6.0	PVC	120.0	1.280	14.4	0.16
P-354	240	J-279	J-147	6.0	PVC	120.0	0.350	14.4	0.16
P-355	356	J-145	J-280	6.0	PVC	120.0	0.350	1.0	0.01
P-356	416	J-280	J-136	6.0	PVC	120.0	1.280	6.8	0.08
P-357	334	J-135	J-281	6.0	PVC	120.0	0.800	2.8	0.03
P-358	312	J-281	J-269	6.0	PVC	120.0	0.000	4.7	0.05
P-359	676	J-143	J-282	12.0	PVC	120.0	0.500	31.7	0.09
P-361	528	J-282	J-387	12.0	PVC	120.0	0.000	33.4	0.09
P-362	604	J-283	J-151	8.0	PVC	120.0	0.500	0.0	0.00
P-363	371	J-155	J-284	8.0	PVC	120.0	0.000	0.0	0.00
P-364	384	J-284	J-156	8.0	PVC	120.0	0.500	6.0	0.04
P-365	384	J-121	J-285	6.0	PVC	120.0	0.000	0.0	0.00
P-366	389	J-285	J-122	6.0	PVC	120.0	0.500	0.0	0.00
P-367	384	J-152	J-286	8.0	PVC	120.0	0.000	0.0	0.00

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-368	390	J-286	J-130	8.0	PVC	120.0	0.500	5.5	0.04
P-369	362	J-129	J-287	8.0	PVC	120.0	0.350	14.7	0.09
P-370	358	J-287	J-25	8.0	PVC	120.0	0.000	14.7	0.09
P-371	361	J-24	J-288	6.0	PVC	120.0	0.500	8.5	0.10
P-372	367	J-288	J-124	6.0	PVC	120.0	0.500	8.5	0.10
P-373	418	J-445	J-289	8.0	PVC	120.0	1.280	15.5	0.10
P-374	381	J-289	J-71	8.0	PVC	120.0	0.500	12.3	0.08
P-375	379	J-66	J-290	8.0	PVC	120.0	0.350	42.2	0.27
P-376	363	J-290	J-445	8.0	PVC	120.0	1.280	16.2	0.10
P-380	377	J-421	J-31	12.0	PVC	120.0	0.500	243.4	0.69
P-381	365	J-13	J-293	8.0	PVC	120.0	0.000	0.0	0.00
P-382	375	J-293	J-12	8.0	PVC	120.0	0.500	0.0	0.00
P-383	374	J-3	J-294	6.0	PVC	120.0	0.000	0.0	0.00
P-384	369	J-294	J-4	6.0	PVC	120.0	0.350	3.8	0.04
P-386	358	J-295	J-7	6.0	PVC	120.0	0.750	5.8	0.07
P-387	399	J-34	J-295	6.0	PVC	120.0	0.500	6.4	0.07
P-389	380	J-28	J-297	8.0	PVC	120.0	0.000	39.8	0.25
P-390	381	J-297	J-42	8.0	PVC	120.0	0.500	39.8	0.25
P-391	375	J-29	J-298	8.0	PVC	120.0	0.000	38.1	0.24
P-392	386	J-298	J-43	8.0	PVC	120.0	0.500	38.1	0.24
P-395	428	J-39	J-300	8.0	PVC	120.0	0.300	28.3	0.18
P-396	440	J-300	J-60	8.0	PVC	120.0	0.000	28.3	0.18
P-397	435	J-183	J-301	6.0	PVC	120.0	0.200	15.0	0.17
P-398	322	J-301	J-185	6.0	PVC	120.0	0.000	18.6	0.21
P-400	522	J-302	J-183	6.0	PVC	120.0	0.500	15.8	0.18
P-401	221	J-180	J-501	6.0	PVC	120.0	0.350	13.2	0.15
P-402	599	J-303	J-302	6.0	PVC	120.0	0.100	15.8	0.18
P-403	547	J-179	J-304	6.0	PVC	120.0	0.800	2.4	0.03
P-404	534	J-304	J-180	6.0	PVC	120.0	0.350	12.0	0.14
P-405	434	J-186	J-305	8.0	PVC	120.0	1.280	3.4	0.02
P-407	291	J-305	J-306	8.0	PVC	120.0	0.350	3.4	0.02
P-409	429	J-306	J-307	8.0	PVC	120.0	0.000	3.4	0.02
P-411	424	J-307	J-308	8.0	PVC	120.0	0.000	0.0	0.00
P-413	358	J-308	J-309	8.0	PVC	120.0	0.800	0.0	0.00
P-414(1)	134	J-309	PRV-17	6.0	PVC	120.0	0.000	(N/A)	(N/A)
P-414(2)	211	PRV-17	J-187	6.0	PVC	120.0	0.000	(N/A)	(N/A)
P-415	498	J-189	J-310	6.0	PVC	120.0	1.280	6.6	0.07
P-416	494	J-310	J-191	6.0	PVC	120.0	0.000	6.6	0.07
P-417	495	J-191	J-311	6.0	PVC	120.0	0.000	6.6	0.07
P-418	379	J-311	J-192	6.0	PVC	120.0	0.350	6.6	0.07
P-419	365	J-198	J-312	8.0	PVC	120.0	1.280	7.2	0.05
P-421	495	J-312	J-313	8.0	PVC	120.0	0.000	7.2	0.05
P-423	491	J-313	J-314	8.0	PVC	120.0	0.000	13.0	0.08
P-424	507	J-314	J-190	8.0	PVC	120.0	0.800	13.0	0.08
P-425	96	J-200	J-315	8.0	PVC	120.0	0.200	0.5	0.00
P-426	182	J-315	J-193	8.0	PVC	120.0	0.800	0.5	0.00
P-427	156	J-202	J-317	8.0	PVC	120.0	0.200	0.0	0.00
P-428	84	J-317	J-200	8.0	PVC	120.0	0.300	0.0	0.00
P-429	592	J-196	J-318	6.0	PVC	120.0	0.000	16.2	0.18
P-430	227	J-318	J-197	6.0	PVC	120.0	0.300	13.3	0.15
P-431	418	J-194	J-319	6.0	PVC	120.0	1.280	5.2	0.06
P-432	448	J-319	J-203	6.0	PVC	120.0	1.280	2.8	0.03
P-433	147	J-203	J-322	4.0	PVC	120.0	0.800	2.2	0.06
P-434	209	J-322	J-205	4.0	PVC	120.0	0.000	0.0	0.00
P-435	397	J-222	J-323	8.0	PVC	120.0	0.200	0.7	0.00
P-437	693	J-323	J-324	8.0	PVC	120.0	0.200	4.1	0.03
P-439	555	J-324	J-325	8.0	PVC	120.0	1.280	7.2	0.05
P-440	284	J-325	J-223	8.0	PVC	120.0	0.350	21.2	0.14
P-441	679	J-227	J-326	12.0	PVC	120.0	0.000	369.3	1.05
P-443	549	J-326	J-327	12.0	PVC	120.0	0.350	370.3	1.05
P-444	176	J-327	J-651	12.0	PVC	120.0	0.000	373.6	1.06
P-445	307	J-236	J-652	16.0	PVC	120.0	0.000	373.6	0.60
P-447(1)	262	J-328	J-1487	16.0	PVC	120.0	0.350	258.2	0.41
P-447(2)	227	J-1487	J-329	16.0	PVC	120.0	0.000	261.3	0.42
P-449	466	J-329	J-330	16.0	PVC	120.0	0.000	261.3	0.42
P-451(1)	27	J-330	J-1693	16.0	PVC	120.0	0.000	261.3	0.42
P-451(2)	582	J-1693	J-331	16.0	PVC	120.0	0.000	115.4	0.18
P-453	397	J-331	J-332	16.0	PVC	120.0	0.350	115.4	0.18
P-454	387	J-332	J-237	16.0	PVC	120.0	0.000	115.4	0.18
P-457	519	J-237	J-334	16.0	PVC	120.0	0.000	115.4	0.18
P-458	509	J-334	J-333	16.0	PVC	120.0	0.000	115.4	0.18
P-459	450	J-333	J-870	16.0	PVC	120.0	0.000	115.7	0.18
P-460	568	J-335	J-235	16.0	PVC	120.0	0.800	115.7	0.18
P-463	287	J-239	J-337	8.0	PVC	120.0	0.350	1.4	0.01
P-464	381	J-337	J-336	8.0	PVC	120.0	0.000	1.4	0.01
P-465	442	J-336	J-338	8.0	PVC	120.0	0.000	1.4	0.01
P-466	522	J-338	J-241	8.0	PVC	120.0	0.500	1.4	0.01
P-467	343	J-255	J-339	8.0	PVC	120.0	0.000	0.0	0.00
P-468	395	J-339	J-257	8.0	PVC	120.0	0.000	0.0	0.00
P-469	262	J-251	J-340	8.0	PVC	120.0	0.350	51.9	0.33
P-471	394	J-340	J-341	8.0	PVC	120.0	0.800	51.9	0.33
P-472	450	J-341	J-255	8.0	PVC	120.0	0.350	46.6	0.30
P-475	427	J-256	J-343	8.0	PVC	120.0	0.000	3.4	0.02
P-476	431	J-343	J-342	8.0	PVC	120.0	0.000	3.4	0.02
P-477	452	J-342	J-344	8.0	PVC	120.0	0.000	3.4	0.02
P-478	502	J-344	J-243	8.0	PVC	120.0	0.800	3.4	0.02

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-481	433	J-345	J-346	10.0	PVC	120.0	0.000	2.2	0.01
P-482	470	J-346	J-243	10.0	PVC	120.0	0.500	3.4	0.01
P-483	403	J-242	J-347	10.0	PVC	120.0	0.300	1.4	0.01
P-484	443	J-347	J-345	10.0	PVC	120.0	0.000	2.2	0.01
P-487	341	J-262	J-349	6.0	PVC	120.0	0.500	0.2	0.00
P-488	316	J-349	J-264	6.0	PVC	120.0	0.000	0.2	0.00
P-489	154	J-261	J-350	6.0	PVC	120.0	1.280	0.3	0.00
P-490	682	J-350	J-265	6.0	PVC	120.0	0.800	0.3	0.00
P-495	627	J-260	J-353	6.0	PVC	120.0	0.200	0.5	0.01
P-497	403	J-353	J-354	6.0	PVC	120.0	0.000	0.5	0.01
P-498	479	J-354	J-351	6.0	PVC	120.0	0.000	0.5	0.01
P-499	386	J-351	J-355	6.0	PVC	120.0	0.000	0.5	0.01
P-500	422	J-355	J-352	6.0	PVC	120.0	0.000	0.5	0.01
P-501	365	J-352	J-356	6.0	PVC	120.0	0.000	0.5	0.01
P-502	390	J-356	J-261	6.0	PVC	120.0	0.350	0.5	0.01
P-503	404	J-109	J-357	8.0	PVC	120.0	0.000	7.4	0.05
P-505	471	J-357	J-358	8.0	PVC	120.0	0.200	4.6	0.03
P-506	424	J-358	J-110	8.0	PVC	120.0	0.750	4.6	0.03
P-507	436	J-98	J-359	8.0	PVC	120.0	0.500	0.0	0.00
P-509(1)	92	J-359	PRV-18	8.0	PVC	120.0	0.100	(N/A)	(N/A)
P-509(2)	380	PRV-18	J-360	8.0	PVC	120.0	0.100	(N/A)	(N/A)
P-510	426	J-360	J-106	8.0	PVC	120.0	0.350	0.0	0.00
P-513	310	J-361	J-362	8.0	PVC	120.0	0.000	50.9	0.33
P-514	302	J-362	J-208	8.0	PVC	120.0	0.000	50.9	0.33
P-515	308	J-107	J-363	8.0	PVC	120.0	0.000	50.0	0.32
P-516	308	J-363	J-361	8.0	PVC	120.0	0.000	50.0	0.32
P-517	384	J-82	J-364	8.0	PVC	120.0	0.000	18.0	0.12
P-518	386	J-364	J-83	8.0	PVC	120.0	0.350	18.0	0.12
P-519	369	J-84	J-365	3.0	PVC	120.0	0.800	0.7	0.03
P-520	371	J-365	J-86	3.0	PVC	120.0	0.500	0.7	0.03
P-521	378	J-83	J-366	8.0	PVC	120.0	1.280	6.0	0.04
P-522	385	J-366	J-58	8.0	PVC	120.0	0.750	6.0	0.04
P-523	380	J-36	J-367	6.0	PVC	120.0	0.000	16.2	0.18
P-524	387	J-367	J-37	6.0	PVC	120.0	0.500	10.9	0.12
P-525	387	J-53	J-368	8.0	PVC	120.0	0.750	15.9	0.10
P-527	111	J-135	J-369	6.0	PVC	120.0	1.280	1.0	0.01
P-528	357	J-369	J-145	6.0	PVC	120.0	1.280	1.0	0.01
P-530	362	J-370	J-109	8.0	PVC	120.0	0.350	5.2	0.03
P-531	391	J-119	J-113	8.0	PVC	120.0	0.750	6.0	0.04
P-532	364	J-113	J-443	8.0	PVC	120.0	0.750	12.3	0.08
P-533	399	J-113	J-372	8.0	PVC	120.0	0.350	6.4	0.04
P-534	393	J-372	J-114	8.0	PVC	120.0	0.500	6.0	0.04
P-535	361	J-73	J-373	6.0	PVC	120.0	0.000	12.2	0.14
P-536	379	J-373	J-74	6.0	PVC	120.0	0.500	7.4	0.08
P-537	400	J-74	J-374	6.0	PVC	120.0	0.000	8.5	0.10
P-538	391	J-374	J-75	6.0	PVC	120.0	0.500	5.1	0.06
P-539	371	J-19	J-375	8.0	PVC	120.0	0.500	1.2	0.01
P-540	327	J-375	J-299	8.0	PVC	120.0	0.100	1.2	0.01
P-541	386	J-92	J-376	8.0	PVC	120.0	0.750	2.6	0.02
P-542	393	J-376	J-99	8.0	PVC	120.0	0.750	5.4	0.03
P-543	528	J-182	J-377	2.0	PVC	120.0	0.200	0.9	0.09
P-544	257	J-377	J-183	2.0	PVC	120.0	0.800	0.9	0.09
P-546	140	J-378	J-206	6.0	PVC	120.0	1.280	8.7	0.10
P-547	472	J-213	J-379	6.0	PVC	120.0	0.500	6.7	0.08
P-548	362	J-379	J-378	6.0	PVC	120.0	0.350	8.7	0.10
P-549	223	J-207	J-380	6.0	PVC	120.0	1.280	11.4	0.13
P-551	307	J-380	J-381	6.0	PVC	120.0	0.350	11.4	0.13
P-553	303	J-381	J-382	6.0	PVC	120.0	0.000	8.6	0.10
P-554	345	J-382	J-212	6.0	PVC	120.0	0.350	8.6	0.10
P-556	58	City Hill Tank	J-30	12.0	PVC	120.0	0.000	243.4	0.69
P-559	327	J-2	J-385	6.0	PVC	120.0	0.000	0.0	0.00
P-560	375	J-385	J-291	6.0	PVC	120.0	0.000	0.0	0.00
P-569(1)	42	J-283	PRV-16	8.0	PVC	120.0	0.000	(N/A)	(N/A)
P-569(2)	35	PRV-16	J-392	8.0	PVC	120.0	0.000	(N/A)	(N/A)
P-571	18	R-7	GPV-1	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-572	13	GPV-1	Well 3	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-573	16	Well 3	J-157	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-574	52	R-8	GPV-2	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-575	55	GPV-2	Well 1	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-576	49	Well 1	J-82	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-577	37	R-9	GPV-3	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-578	31	GPV-3	Well 2	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-579	26	Well 2	J-90	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-601	86	Airport GST	Airport-3	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-602	119	Airport-3	J-391	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-603	62	J-391	J-260	16.0	PVC	120.0	0.000	0.5	0.00
P-604	111	Airport GST	Airport-1	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-605	99	Airport-1	J-391	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-611	10	J-392	J-387	8.0	PVC	120.0	0.800	33.4	0.21
P-616	96	Airport GST	Airport-2	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-617	93	Airport-2	J-391	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-631	534	J-1409	J-241	10.0	PVC	120.0	0.000	0.0	0.00
P-690	371	J-291	J-51	6.0	PVC	120.0	0.500	0.0	0.00
P-692	354	J-30	J-421	12.0	PVC	120.0	0.800	243.4	0.69
P-717	62	J-23	J-426	8.0	PVC	120.0	0.350	0.0	0.00
P-718	66	J-426	J-157	8.0	PVC	120.0	1.280	(N/A)	(N/A)

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-741	389	J-431	J-370	8.0	PVC	120.0	0.000	8.5	0.05
P-742	391	J-125	J-431	6.0	PVC	120.0	1.280	1.3	0.01
P-743	399	J-129	J-431	8.0	PVC	120.0	0.350	9.8	0.06
P-748	385	J-66	J-51	8.0	PVC	120.0	0.750	49.1	0.31
P-750	162	J-290	J-158	8.0	PVC	120.0	0.350	26.0	0.17
P-751	375	J-21	J-168	6.0	PVC	120.0	0.000	11.2	0.13
P-763	381	J-444	J-372	12.0	PVC	120.0	1.280	5.1	0.01
P-765	741	J-32	J-432	12.0	PVC	120.0	1.280	0.0	0.00
P-766	192	J-31	J-52	8.0	PVC	120.0	0.750	72.0	0.46
P-789	111	J-72	J-435	6.0	PVC	120.0	0.350	1.7	0.02
P-790	398	J-435	J-73	6.0	PVC	120.0	0.500	1.7	0.02
P-791	124	J-304	J-469	6.0	PVC	120.0	1.280	9.6	0.11
P-792	359	J-154	J-153	6.0	PVC	120.0	0.800	0.0	0.00
P-794	384	J-160	J-162	8.0	PVC	120.0	0.500	6.8	0.04
P-795	394	J-124	J-129	6.0	PVC	120.0	1.280	3.3	0.04
P-796	379	J-113	J-171	8.0	PVC	120.0	0.500	0.2	0.00
P-797	391	J-443	J-444	8.0	PVC	120.0	0.350	13.7	0.09
P-798	401	J-444	J-102	8.0	PVC	120.0	0.500	8.6	0.05
P-799	377	J-32	J-12	8.0	PVC	120.0	0.750	35.1	0.22
P-809	38	J-299	J-436	2.0	PVC	120.0	0.000	1.2	0.12
P-810	432	J-436	J-79	2.0	PVC	120.0	0.500	1.2	0.12
P-813	150	J-368	J-441	8.0	PVC	120.0	0.000	15.9	0.10
P-814	227	J-441	J-63	8.0	PVC	120.0	1.280	15.9	0.10
P-815	90	J-81	J-439	8.0	PVC	120.0	0.000	38.7	0.25
P-816	80	J-439	J-79	8.0	PVC	120.0	0.000	38.7	0.25
P-863(1)(1)	431	J-493	J-1506	16.0	PVC	120.0	0.350	0.0	0.00
P-863(1)(2)	102	J-1506	J-1204	16.0	PVC	120.0	0.350	116.6	0.19
P-863(2)	313	J-1204	J-235	16.0	PVC	120.0	0.000	116.6	0.19
P-871(1)(1)(1)(1)	385	J-498	J-1101	12.0	PVC	120.0	0.350	0.0	0.00
P-871(1)(1)(1)(2)(1)	118	J-1101	J-1570	12.0	PVC	120.0	0.000	0.0	0.00
P-871(1)(1)(1)(2)(2)	127	J-1570	J-1100	12.0	PVC	120.0	0.000	0.0	0.00
P-871(1)(1)(2)	878	J-1100	J-1065	12.0	PVC	120.0	0.000	0.0	0.00
P-871(1)(2)(1)(1)	270	J-1065	J-1573	12.0	PVC	120.0	0.500	0.0	0.00
P-871(1)(2)(1)(2)	165	J-1573	J-1066	12.0	PVC	120.0	0.000	156.0	0.44
P-871(1)(2)(2)	1,127	J-1066	J-1038	12.0	PVC	120.0	0.000	156.0	0.44
P-871(2)(1)	370	J-1038	J-1039	12.0	PVC	120.0	0.100	156.0	0.44
P-871(2)(2)	327	J-1039	J-500	12.0	PVC	120.0	0.500	156.0	0.44
P-872(1)(1)(1)(1)(1)(1)	547	J-500	J-1563	12.0	PVC	120.0	0.000	156.0	0.44
P-872(1)(1)(1)(1)(1)(2)	52	J-1563	J-1020	12.0	PVC	120.0	0.000	156.0	0.44
P-872(1)(1)(1)(1)(2)	457	J-1020	J-1013	12.0	PVC	120.0	0.500	156.0	0.44
P-872(1)(1)(1)(2)	113	J-1013	J-995	12.0	PVC	120.0	0.000	312.0	0.89
P-872(1)(1)(2)	386	J-995	J-993	12.0	PVC	120.0	0.000	312.0	0.89
P-872(1)(2)	480	J-993	J-991	12.0	PVC	120.0	0.000	312.0	0.89
P-872(2)	192	J-991	J-227	12.0	PVC	120.0	0.000	312.0	0.89
P-889	51	J-507	J-250	12.0	PVC	120.0	0.000	193.7	0.55
P-890	13	J-507	T-28	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-891	21	R-16	PMP-24	16.0	PVC	120.0	0.000	1,790.5	2.86
P-892	30	PMP-24	Medina Valley Tank	16.0	PVC	120.0	0.000	1,790.5	2.86
P-895	16	J-508	PMP-26	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-896	12	PMP-26	J-509	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-897	26	J-508	PMP-27	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-898	18	PMP-27	J-509	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-903	13	J-509	J-507	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-904	14	Medina Valley Tank	J-508	16.0	PVC	120.0	0.000	193.7	0.31
P-905	11	J-508	PMP-25	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-907	16	PMP-25	J-509	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-910(1)	203	J-507	PRV-13	16.0	PVC	120.0	0.800	(N/A)	(N/A)
P-910(2)	142	PRV-13	J-235	16.0	PVC	120.0	0.800	(N/A)	(N/A)
P-927	13	J-507	T-29	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-932	273	Alsatian Oaks Tank	J-875	36.0	PVC	120.0	0.750	1,265.0	0.40
P-934	202	R-19	Alsatian Oaks Tank	24.0	PVC	120.0	0.000	98,611.7	69.94
P-1271	605	J-493	J-1116	16.0	PVC	120.0	0.300	0.0	0.00
P-1424	14	J-509	J-1224	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1425	10	J-1224	T-28	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1426	11	J-1224	T-29	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1493	37	City Tank	J-392	12.0	PVC	120.0	0.000	33.4	0.09
P-1495(1)(1)(1)	620	J-1286	J-1385	16.0	PVC	120.0	0.000	70.6	0.11
P-1495(1)(1)(2)	437	J-1385	J-1384	16.0	PVC	120.0	0.050	323.1	0.52
P-1495(1)(2)	337	J-1384	J-1380	16.0	PVC	120.0	0.050	323.1	0.52
P-1495(2)(1)	289	J-1380	J-1381	16.0	PVC	120.0	0.000	323.1	0.52
P-1495(2)(2)(1)(2)	1,559	J-1383	J-1382	16.0	PVC	120.0	0.000	323.1	0.52
P-1495(2)(2)(2)	1,307	J-1382	J-905	16.0	PVC	120.0	0.050	323.1	0.52
P-1575	362	J-1286	J-1386	16.0	PVC	120.0	0.000	70.6	0.11
P-1596	33	J-652	J-655	16.0	PVC	120.0	0.350	373.6	0.60
P-1616	906	J-464	J-208	8.0	PVC	120.0	0.300	50.9	0.33
P-1617	909	J-463	J-464	8.0	PVC	120.0	0.350	50.9	0.33
P-1617	690	J-655	J-1446	16.0	PVC	120.0	1.280	115.5	0.18
P-1618	293	J-1386	J-463	8.0	PVC	120.0	0.000	62.4	0.40
P-1618	890	J-1446	J-1447	16.0	PVC	120.0	0.100	115.5	0.18
P-1619	220	J-1293	J-1386	8.0	PVC	120.0	0.000	8.2	0.05
P-1619(1)	94	J-1447	J-1464	16.0	PVC	120.0	0.000	115.5	0.18
P-1619(2)	144	J-1464	J-1448	16.0	PVC	120.0	0.050	115.5	0.18

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-1620	253	J-462	J-1293	8.0	PVC	120.0	0.000	8.2	0.05
P-1620	327	J-1448	J-1449	16.0	PVC	120.0	0.050	115.5	0.18
P-1621	802	J-486	J-462	8.0	PVC	120.0	0.300	8.2	0.05
P-1621(1)	270	J-1449	J-1465	16.0	PVC	120.0	0.500	115.5	0.18
P-1621(2)	227	J-1465	J-1450	12.0	PVC	120.0	0.000	123.5	0.35
P-1622	555	J-455	J-486	6.0	PVC	120.0	0.000	5.8	0.07
P-1622(1)	178	J-1450	J-1468	12.0	PVC	120.0	0.000	123.5	0.35
P-1622(2)	146	J-1468	J-1451	12.0	PVC	120.0	0.350	123.5	0.35
P-1623	102	J-455	J-456	6.0	PVC	120.0	0.000	5.8	0.07
P-1623	94	J-1451	J-1452	12.0	PVC	120.0	0.000	123.5	0.35
P-1624	306	J-456	J-465	4.0	PVC	120.0	0.200	5.8	0.15
P-1624	132	J-1452	J-1453	12.0	PVC	120.0	0.000	123.5	0.35
P-1625	377	J-465	J-448	4.0	PVC	120.0	0.000	3.4	0.09
P-1625(1)	1,153	J-1453	J-1471	12.0	PVC	120.0	0.000	123.5	0.35
P-1625(2)	255	J-1471	J-1454	12.0	PVC	120.0	0.100	123.5	0.35
P-1626	271	J-448	J-466	4.0	PVC	120.0	0.000	3.4	0.09
P-1627	345	J-466	J-458	4.0	PVC	120.0	0.350	3.4	0.09
P-1628	357	J-458	J-468	3.0	PVC	120.0	0.000	1.9	0.09
P-1628	172	J-1454	J-1457	12.0	PVC	120.0	0.500	123.5	0.35
P-1629	1,046	J-1457	J-1458	16.0	PVC	120.0	0.750	323.1	0.52
P-1630	369	J-468	J-460	3.0	PVC	120.0	0.000	1.9	0.09
P-1630	877	J-1458	J-1459	16.0	PVC	120.0	0.000	323.1	0.52
P-1631	313	J-460	J-461	2.0	PVC	120.0	0.800	1.9	0.20
P-1631	793	J-1459	J-905	16.0	PVC	120.0	0.050	323.1	0.52
P-1632	250	J-458	J-459	2.0	PVC	120.0	1.280	1.4	0.15
P-1633	390	J-188	J-234	10.0	PVC	120.0	0.000	19.5	0.08
P-1634	419	J-501	J-303	6.0	PVC	120.0	0.500	13.2	0.15
P-1635	489	J-651	J-236	16.0	PVC	120.0	0.300	373.6	0.60
P-1636	172	J-655	J-328	16.0	PVC	120.0	0.000	258.2	0.41
P-1636	458	J-1465	J-1466	8.0	PVC	120.0	0.750	70.3	0.45
P-1637	122	J-870	J-335	16.0	PVC	120.0	0.000	115.7	0.18
P-1651	304	J-1457	J-1483	12.0	PVC	120.0	0.050	275.1	0.78
P-1652	362	J-1483	J-1484	12.0	PVC	120.0	0.050	275.1	0.78
P-1653	385	J-1484	J-1485	12.0	PVC	120.0	0.050	275.1	0.78
P-1654	275	J-1485	J-1486	12.0	PVC	120.0	0.500	275.1	0.78
P-1654(1)	382	J-1498	J-1484	12.0	PVC	120.0	0.350	0.0	0.00
P-1654(2)	609	J-1498	J-1485	12.0	PVC	120.0	0.000	0.0	0.00
P-1655	183	J-1487	J-1498	12.0	PVC	120.0	1.280	3.1	0.01
P-1662	504	J-1457	J-1494	16.0	PVC	120.0	0.050	171.4	0.27
P-1663	486	J-1494	J-1495	16.0	PVC	120.0	0.050	171.4	0.27
P-1664	507	J-1495	J-1496	16.0	PVC	120.0	0.000	171.4	0.27
P-1665(1)	233	J-1496	J-1513	16.0	PVC	120.0	0.300	171.4	0.27
P-1665(2)	731	J-1513	J-1497	16.0	PVC	120.0	0.000	116.3	0.19
P-1666	566	J-1497	J-1498	16.0	PVC	120.0	0.000	116.3	0.19
P-1667	771	J-1498	J-1499	16.0	PVC	120.0	0.500	116.3	0.19
P-1668	846	J-1499	J-1500	16.0	PVC	120.0	0.000	158.6	0.25
P-1669(1)	256	J-1500	J-1507	16.0	PVC	120.0	0.000	158.6	0.25
P-1669(2)	332	J-1507	J-1501	16.0	PVC	120.0	0.000	158.6	0.25
P-1670	520	J-1501	J-1502	16.0	PVC	120.0	0.050	158.6	0.25
P-1671	318	J-1502	J-1503	16.0	PVC	120.0	0.050	158.6	0.25
P-1672(1)	131	J-1503	J-1519	16.0	PVC	120.0	0.500	158.6	0.25
P-1672(2)	305	J-1519	J-1504	16.0	PVC	120.0	0.050	116.6	0.19
P-1673	490	J-1504	J-1505	16.0	PVC	120.0	0.050	116.6	0.19
P-1674(1)	174	J-1505	J-1525	16.0	PVC	120.0	0.000	116.6	0.19
P-1674(2)	292	J-1525	J-1506	16.0	PVC	120.0	1.280	116.6	0.19
P-1678	723	J-1499	J-1511	8.0	PVC	120.0	0.750	105.3	0.67
P-1679	654	J-1499	J-1512	8.0	PVC	120.0	0.000	63.0	0.40
P-1680(1)	393	J-1513	J-1517	16.0	PVC	120.0	0.500	599.3	0.96
P-1680(2)	646	J-1517	J-1514	16.0	PVC	120.0	0.000	599.3	0.96
P-1681	841	J-1514	J-1515	16.0	PVC	120.0	0.000	800.6	1.28
P-1685	349	J-1519	J-1521	8.0	PVC	120.0	0.000	21.0	0.13
P-1687	362	J-1519	J-1523	8.0	PVC	120.0	0.750	21.0	0.13
P-1704(1)	312	J-1116	PRV-14	12.0	PVC	120.0	0.500	(N/A)	(N/A)
P-1704(2)	46	PRV-14	J-1540	12.0	PVC	120.0	0.500	(N/A)	(N/A)
P-1705	614	J-1540	J-1541	12.0	PVC	120.0	0.050	182.6	0.52
P-1706(1)	190	J-1541	J-1559	12.0	PVC	120.0	0.000	182.6	0.52
P-1706(2)	544	J-1559	J-1542	12.0	PVC	120.0	0.500	91.3	0.26
P-1707	410	J-1542	J-1543	12.0	PVC	120.0	0.500	91.3	0.26
P-1708(1)	115	J-1543	J-1557	12.0	PVC	120.0	0.000	91.3	0.26
P-1708(2)	445	J-1557	J-1544	12.0	PVC	120.0	0.000	91.3	0.26
P-1709(1)	251	J-1544	J-1554	12.0	PVC	120.0	0.000	91.3	0.26
P-1709(2)	311	J-1554	J-1545	12.0	PVC	120.0	0.500	0.0	0.00
P-1710(1)	94	J-1545	J-1551	12.0	PVC	120.0	0.050	0.0	0.00
P-1710(2)	103	J-1551	J-1546	12.0	PVC	120.0	0.050	0.0	0.00
P-1711	328	J-1546	J-1547	12.0	PVC	120.0	0.050	0.0	0.00
P-1712	172	J-1547	J-1548	12.0	PVC	120.0	0.000	0.0	0.00
P-1713	183	J-1548	J-1549	12.0	PVC	120.0	0.100	0.0	0.00
P-1714	202	J-1549	J-1550	12.0	PVC	120.0	0.100	0.0	0.00
P-1721	510	J-1559	J-1560	8.0	PVC	120.0	0.000	45.7	0.29
P-1722	599	J-1559	J-1561	8.0	PVC	120.0	0.750	45.7	0.29
P-1723	924	J-1013	J-1562	8.0	PVC	120.0	0.750	78.0	0.50
P-1729	571	J-1573	J-1574	8.0	PVC	120.0	0.750	78.0	0.50
P-1730	545	J-1573	J-1575	8.0	PVC	120.0	0.000	78.0	0.50
P-1793	495	J-1554	J-1645	8.0	PVC	120.0	0.000	45.7	0.29
P-1794	441	J-1554	J-1646	8.0	PVC	120.0	0.750	45.7	0.29
P-1795	639	J-1013	J-1648	8.0	PVC	120.0	0.000	78.0	0.50

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-1796	516	J-1465	J-1649	8.0	PVC	120.0	0.100	62.3	0.40
P-1797	564	J-1486	J-1650	8.0	PVC	120.0	0.750	94.7	0.60
P-1798	552	J-1486	J-1651	16.0	PVC	120.0	0.100	369.8	0.59
P-1799	357	J-1515	J-875	24.0	PVC	120.0	0.350	1,265.0	0.90
P-1807	222	J-1381	J-1664	16.0	PVC	120.0	0.750	323.1	0.52
P-1808	154	J-1664	J-1383	16.0	PVC	120.0	0.050	323.1	0.52
P-1822	683	J-318	J-1683	12.0	PVC	120.0	0.000	29.5	0.08
P-1823	563	J-216	J-1685	8.0	PVC	120.0	0.800	0.6	0.00
P-1824	380	J-1685	J-1686	8.0	PVC	120.0	0.200	0.6	0.00
P-1825	297	J-1686	J-1687	8.0	PVC	120.0	0.050	0.6	0.00
P-1826	123	J-1687	J-1475	8.0	PVC	120.0	0.100	0.6	0.00
P-1827	519	J-1475	J-1689	8.0	PVC	120.0	0.800	12.3	0.08
P-1828	286	J-1689	J-325	8.0	PVC	120.0	0.350	12.3	0.08
P-1830	1,302	J-1513	J-1691	16.0	PVC	120.0	0.000	311.5	0.50
P-1831	1,151	J-1691	J-1692	16.0	PVC	120.0	0.500	145.9	0.23
P-1832	1,207	J-1692	J-1693	16.0	PVC	120.0	0.000	145.9	0.23
P-1834	1,782	J-1515	J-1651	16.0	PVC	120.0	1.280	464.5	0.74
P-1835	1,767	J-1691	J-1512	16.0	PVC	120.0	0.000	33.0	0.05
P-1836	2,260	J-1511	J-1514	16.0	PVC	120.0	0.000	201.3	0.32
P-1837	1,205	J-1649	J-1691	16.0	PVC	120.0	0.750	132.6	0.21
P-1838	1,297	J-252	J-1540	16.0	PVC	120.0	0.000	182.6	0.29
P-1848	189	Airport GST	J-391	16.0	PVC	120.0	0.000	0.5	0.00
P-1849	31	J-508	J-507	16.0	PVC	120.0	0.000	193.7	0.31

FlexTable: Junction Table

Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-2	868.92	0.0	931.76	27.2
J-3	756.96	0.0	931.78	75.6
J-4	753.28	0.0	931.78	77.2
J-5	754.47	2.2	931.78	76.7
J-6	752.64	0.0	931.75	77.5
J-7	754.00	2.9	931.72	76.9
J-9	756.71	0.0	931.71	75.7
J-10	757.33	2.6	931.71	75.4
J-11	737.39	0.0	931.75	84.1
J-12	756.69	6.7	931.79	75.8
J-13	774.11	0.0	931.79	68.2
J-14	756.47	0.0	931.78	75.8
J-15	757.63	0.0	931.78	75.3
J-16	758.80	0.0	931.78	74.8
J-17	762.03	0.0	931.79	73.4
J-18	769.12	0.0	931.76	70.4
J-19	782.35	7.4	931.73	64.6
J-20	780.09	4.3	931.70	65.6
J-21	774.31	0.0	931.69	68.1
J-22	773.51	8.9	931.68	68.4
J-23	773.00	0.0	931.68	68.7
J-24	772.00	3.8	931.67	69.1
J-25	770.80	2.6	931.67	69.6
J-26	756.00	0.0	931.75	76.0
J-27	757.00	6.5	931.75	75.6
J-28	760.87	0.0	931.75	73.9
J-29	766.90	4.8	931.75	71.3
J-30	907.43	0.0	931.99	10.6
J-31	779.79	0.0	931.82	65.8
J-32	764.44	0.0	931.80	72.4
J-33	759.68	0.0	931.78	74.5
J-34	756.23	0.0	931.72	75.9
J-36	757.00	0.0	931.69	75.6
J-37	758.00	0.0	931.67	75.1
J-38	759.34	4.1	931.66	74.6
J-39	761.11	0.0	931.65	73.8
J-40	756.24	3.1	931.71	75.9
J-41	757.00	0.0	931.71	75.6
J-42	757.00	0.0	931.71	75.6
J-43	762.38	7.2	931.71	73.3
J-45	755.84	3.6	931.71	76.1
J-48	756.66	1.7	931.70	75.7
J-50	757.01	0.0	931.70	75.6
J-51	782.22	0.0	931.76	64.7
J-52	791.57	4.3	931.79	60.7
J-53	756.81	2.9	931.69	75.7
J-54	757.00	0.0	931.68	75.6
J-55	758.00	0.0	931.67	75.1
J-58	760.00	0.0	931.66	74.3
J-59	761.00	6.0	931.66	73.8
J-60	760.84	0.0	931.63	73.9
J-61	757.84	0.0	931.67	75.2
J-62	756.87	0.0	931.69	75.6
J-63	759.00	0.0	931.68	74.7
J-65	757.00	0.0	931.71	75.6
J-66	784.61	0.0	931.73	63.7
J-68	807.49	0.7	931.70	53.7
J-69	811.45	0.0	931.70	52.0
J-71	789.74	0.0	931.70	61.4
J-72	764.83	13.0	931.68	72.2
J-73	761.00	0.0	931.68	73.8
J-74	760.00	0.0	931.67	74.3
J-75	760.00	0.0	931.66	74.3
J-79	762.45	0.0	931.70	73.2
J-80	766.50	0.0	931.69	71.5
J-81	761.13	0.0	931.69	73.8
J-82	759.74	0.0	931.67	74.4
J-83	760.00	8.4	931.66	74.3
J-84	760.00	0.0	931.66	74.3
J-85	762.11	8.6	931.66	73.4
J-86	761.50	0.0	931.66	73.6
J-88	760.85	0.0	931.66	73.9
J-89	762.38	0.0	931.66	73.2
J-90	762.67	(N/A)	(N/A)	(N/A)
J-92	762.00	0.0	931.66	73.4
J-93	762.27	1.9	931.66	73.3
J-94	761.00	0.0	931.66	73.8
J-95	761.13	1.9	931.66	73.8
J-96	738.68	0.0	931.66	83.5
J-97	761.64	0.0	931.66	73.6
J-98	763.00	0.0	931.66	73.0
J-99	764.00	0.0	931.66	72.5
J-100	764.00	0.0	931.66	72.5
J-101	764.03	0.0	931.66	72.5
J-102	760.79	0.0	931.66	73.9
J-103	761.63	10.1	931.66	73.6

FlexTable: Junction Table

Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-104	760.95	0.0	931.66	73.9
J-105	764.00	2.6	931.66	72.5
J-106	783.65	5.8	998.25	92.8
J-107	786.75	0.0	998.25	91.5
J-109	765.72	0.0	931.66	71.8
J-110	765.00	4.1	931.66	72.1
J-111	763.23	0.0	931.66	72.9
J-112	764.26	3.4	931.66	72.4
J-113	763.00	0.0	931.66	73.0
J-114	762.00	0.0	931.66	73.4
J-115	763.22	0.0	931.66	72.9
J-116	765.00	0.0	931.66	72.1
J-117	765.45	0.0	931.66	71.9
J-118	765.00	0.0	931.66	72.1
J-119	762.87	0.0	931.66	73.0
J-120	765.86	6.2	931.66	71.7
J-121	804.38	0.0	931.67	55.1
J-122	783.85	0.0	931.67	64.0
J-123	783.85	0.0	931.67	64.0
J-124	766.00	5.0	931.66	71.7
J-125	765.00	0.0	931.66	72.1
J-126	763.00	0.0	931.66	73.0
J-127	764.12	0.0	931.66	72.5
J-129	764.87	1.7	931.66	72.2
J-130	780.79	0.0	931.67	65.3
J-131	780.16	0.0	931.67	65.6
J-132	790.00	0.0	931.67	61.3
J-133	788.00	3.8	1,030.40	104.9
J-134	789.10	0.0	1,030.40	104.4
J-135	792.83	0.0	1,030.40	102.8
J-136	814.48	0.0	1,030.40	93.4
J-137	826.14	0.0	1,030.41	88.4
J-138	837.92	0.0	1,030.42	83.3
J-139	854.06	0.0	1,030.42	76.3
J-141	865.41	1.9	1,030.42	71.4
J-142	849.01	0.0	1,030.44	78.5
J-143	850.99	0.0	1,030.44	77.6
J-144	852.89	0.0	1,030.44	76.8
J-145	805.20	0.0	1,030.40	97.4
J-146	803.40	0.0	1,030.40	98.2
J-147	822.90	0.0	1,030.42	89.8
J-148	850.84	0.0	1,030.43	77.7
J-149	884.73	0.0	1,030.44	63.0
J-150	935.05	0.0	1,030.44	41.3
J-151	785.98	0.0	931.68	63.0
J-152	802.00	0.0	931.67	56.1
J-153	779.54	0.0	931.67	65.8
J-154	775.15	1.4	931.67	67.7
J-155	807.58	0.0	931.68	53.7
J-156	784.92	0.0	931.68	63.5
J-157	773.56	(N/A)	(N/A)	(N/A)
J-158	789.03	0.0	931.70	61.7
J-159	765.93	0.0	931.66	71.7
J-160	762.11	6.0	931.66	73.4
J-162	763.86	0.0	931.66	72.6
J-163	766.24	0.0	931.66	71.6
J-165	763.00	3.1	931.66	73.0
J-166	761.90	0.0	931.67	73.5
J-167	764.88	0.0	931.68	72.2
J-168	766.55	0.0	931.69	71.4
J-169	765.91	0.0	931.68	71.7
J-170	765.73	0.0	931.66	71.8
J-171	762.36	4.6	931.66	73.2
J-172	763.00	0.0	931.66	73.0
J-173	761.00	0.0	931.66	73.8
J-174	760.36	0.0	931.67	74.1
J-175	742.22	0.0	931.66	82.0
J-176	753.87	2.4	931.43	76.8
J-177	756.00	0.0	931.48	75.9
J-178	755.00	0.0	931.48	76.4
J-179	756.00	0.0	931.50	75.9
J-180	757.28	0.0	931.52	75.4
J-181	756.51	1.2	931.49	75.7
J-182	759.32	3.8	931.61	74.5
J-183	769.88	0.0	931.58	70.0
J-184	780.48	0.0	931.58	65.4
J-185	764.04	0.0	931.61	72.5
J-186	764.38	1.7	931.63	72.4
J-187	787.66	0.0	998.22	91.1
J-188	786.80	0.0	998.24	91.5
J-189	787.86	0.0	998.21	91.0
J-190	794.65	0.0	998.20	88.1
J-191	788.24	0.0	998.20	90.8
J-192	767.62	0.0	998.19	99.8
J-193	766.56	0.0	998.19	100.2
J-194	769.88	0.0	998.21	98.8

FlexTable: Junction Table

Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-196	769.96	0.0	998.21	98.8
J-197	766.35	0.0	998.19	100.3
J-198	766.22	0.0	998.19	100.4
J-199	765.97	0.0	998.19	100.5
J-200	765.07	0.5	998.19	100.9
J-201	763.00	0.0	998.19	101.8
J-202	766.71	0.0	998.19	100.1
J-203	784.40	0.0	998.21	92.5
J-204	784.30	0.0	998.21	92.6
J-205	785.00	0.0	998.21	92.2
J-206	777.79	0.0	998.22	95.4
J-207	783.05	0.0	998.23	93.1
J-208	796.75	0.0	998.35	87.2
J-209	789.80	1.9	998.25	90.2
J-210	770.11	0.0	998.25	98.7
J-211	795.05	0.0	998.25	87.9
J-212	785.16	0.0	998.21	92.2
J-213	784.19	2.9	998.21	92.6
J-214	784.00	3.1	998.21	92.7
J-215	782.38	0.0	998.20	93.4
J-216	781.47	0.0	998.20	93.8
J-217	784.00	0.7	998.21	92.7
J-218	783.00	1.7	998.20	93.1
J-219	782.00	1.4	998.20	93.5
J-221	782.43	3.4	998.21	93.4
J-222	781.43	0.0	998.21	93.8
J-223	777.49	0.0	998.21	95.5
J-224	779.13	0.0	998.22	94.8
J-225	780.95	0.0	998.23	94.0
J-226	781.68	0.0	998.23	93.7
J-227	783.10	6.5	998.24	93.1
J-228	783.73	1.4	998.21	92.8
J-229	782.78	1.4	998.21	93.2
J-230	780.52	2.6	998.21	94.2
J-231	787.09	2.9	998.22	91.3
J-232	792.98	2.6	998.23	88.8
J-233	784.52	0.0	998.23	92.5
J-234	785.73	1.9	998.24	91.9
J-235	772.34	1.0	999.12	98.1
J-236	778.00	0.0	998.96	95.6
J-237	768.50	0.0	999.09	99.8
J-238	770.53	0.0	931.65	69.7
J-239	769.23	1.4	931.65	70.3
J-240	767.53	0.0	931.65	71.0
J-241	763.05	0.0	931.65	72.9
J-242	762.97	0.0	931.65	73.0
J-243	759.76	0.0	931.65	74.4
J-250	769.68	0.0	931.99	70.2
J-251	767.29	0.0	931.79	71.2
J-252	770.05	0.0	931.42	69.8
J-253	767.63	0.0	931.62	70.9
J-254	766.80	2.4	931.62	71.3
J-255	765.00	0.0	931.70	72.1
J-256	765.00	0.0	931.66	72.1
J-257	762.83	0.0	931.70	73.1
J-258	771.60	0.0	932.00	69.4
J-259	769.94	0.0	932.00	70.1
J-260	769.58	0.0	932.00	70.3
J-261	761.47	0.0	932.00	73.8
J-262	759.41	0.0	932.00	74.7
J-263	761.00	0.5	932.00	74.0
J-264	761.00	0.0	932.00	74.0
J-265	760.27	0.0	932.00	74.3
J-266	757.85	0.0	931.72	75.2
J-267	760.91	0.7	998.16	102.6
J-268	764.86	0.0	931.68	72.2
J-269	802.53	0.0	1,030.40	98.6
J-270	814.36	0.0	1,030.42	93.5
J-271	817.10	6.2	1,030.41	92.3
J-272	830.89	5.0	1,030.42	86.3
J-273	854.25	0.0	1,030.43	76.2
J-274	932.55	3.4	1,030.44	42.4
J-276	907.96	0.0	1,030.44	53.0
J-277	867.37	0.0	1,030.44	70.6
J-278	848.29	3.6	1,030.44	78.8
J-279	832.40	0.0	1,030.43	85.7
J-280	808.19	5.8	1,030.40	96.1
J-281	800.67	1.9	1,030.40	99.4
J-282	826.29	1.7	1,030.45	88.3
J-283	807.55	0.0	931.68	53.7
J-284	798.34	6.0	931.68	57.7
J-285	794.20	0.0	931.67	59.5
J-286	791.55	5.5	931.67	60.6
J-287	770.97	0.0	931.67	69.5
J-288	769.75	0.0	931.67	70.1
J-289	802.32	3.1	931.70	56.0

FlexTable: Junction Table

Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-290	789.08	0.0	931.71	61.7
J-291	822.29	0.0	931.76	47.4
J-293	766.95	0.0	931.79	71.3
J-294	754.23	3.8	931.78	76.8
J-295	755.00	0.0	931.72	76.5
J-297	759.11	0.0	931.73	74.7
J-298	769.62	0.0	931.73	70.1
J-299	769.00	0.0	931.73	70.4
J-300	725.00	0.0	931.64	89.4
J-301	767.16	3.6	931.60	71.1
J-302	759.31	0.0	931.56	74.5
J-303	759.00	2.6	931.54	74.6
J-304	755.56	0.0	931.50	76.1
J-305	779.19	0.0	931.62	66.0
J-306	788.48	0.0	931.62	61.9
J-307	788.55	3.4	931.62	61.9
J-308	787.07	0.0	931.62	62.5
J-309	785.65	0.0	931.62	63.2
J-310	787.81	0.0	998.20	91.0
J-311	779.53	0.0	998.20	94.6
J-312	778.19	0.0	998.19	95.2
J-313	785.90	5.8	998.19	91.8
J-314	787.00	0.0	998.20	91.4
J-315	768.00	0.0	998.19	99.6
J-317	767.77	0.0	998.19	99.7
J-318	766.26	0.0	998.18	100.3
J-319	783.02	2.4	998.21	93.1
J-322	785.00	2.2	998.21	92.2
J-323	779.72	3.4	998.21	94.5
J-324	778.17	3.1	998.21	95.2
J-325	776.29	1.7	998.21	96.0
J-326	781.97	1.0	998.56	93.7
J-327	777.41	3.4	998.82	95.8
J-328	776.11	0.0	999.01	96.4
J-329	773.32	0.0	999.04	97.7
J-330	769.92	0.0	999.07	99.1
J-331	764.47	0.0	999.08	101.5
J-332	766.17	0.0	999.09	100.8
J-333	773.00	0.2	999.11	97.8
J-334	771.22	0.0	999.10	98.6
J-335	773.00	0.0	999.11	97.8
J-336	767.04	0.0	931.65	71.2
J-337	768.31	0.0	931.65	70.7
J-338	765.63	0.0	931.65	71.8
J-339	764.11	0.0	931.70	72.5
J-340	767.51	0.0	931.77	71.1
J-341	766.52	5.3	931.73	71.5
J-342	761.87	0.0	931.66	73.5
J-343	763.68	0.0	931.66	72.7
J-344	761.00	0.0	931.66	73.8
J-345	762.48	0.0	931.65	73.2
J-346	761.47	1.2	931.65	73.6
J-347	763.07	0.7	931.65	72.9
J-349	760.66	0.0	932.00	74.1
J-350	761.01	0.0	932.00	74.0
J-351	765.11	0.0	932.00	72.2
J-352	764.26	0.0	932.00	72.6
J-353	767.56	0.0	932.00	71.1
J-354	766.48	0.0	932.00	71.6
J-355	764.51	0.0	932.00	72.5
J-356	762.57	0.0	932.00	73.3
J-357	767.08	2.9	931.66	71.2
J-358	763.14	0.0	931.66	72.9
J-359	732.00	0.0	931.66	86.4
J-360	766.71	0.0	998.25	100.2
J-361	793.03	1.0	998.30	88.8
J-362	795.08	0.0	998.32	87.9
J-363	790.96	0.0	998.27	89.7
J-364	761.00	0.0	931.67	73.8
J-365	759.00	0.0	931.66	74.7
J-366	759.00	0.0	931.66	74.7
J-367	757.00	5.3	931.68	75.6
J-368	757.67	0.0	931.69	75.3
J-369	796.46	0.0	1,030.40	101.2
J-370	764.19	3.4	931.66	72.5
J-372	764.00	5.5	931.66	72.5
J-373	760.05	4.8	931.67	74.3
J-374	762.31	3.4	931.66	73.3
J-375	779.95	0.0	931.73	65.7
J-376	763.00	2.9	931.66	73.0
J-377	761.04	0.0	931.59	73.8
J-378	782.47	0.0	998.22	93.3
J-379	785.00	1.9	998.21	92.2
J-380	787.73	0.0	998.22	91.1
J-381	787.55	2.9	998.22	91.1
J-382	786.57	0.0	998.21	91.6

FlexTable: Junction Table

Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-385	864.99	0.0	931.76	28.9
J-387	809.56	0.0	1,030.45	95.6
J-391	769.00	0.0	932.00	70.5
J-392	808.99	0.0	1,030.45	95.8
J-421	852.76	0.0	931.91	34.2
J-426	773.76	0.0	931.68	68.3
J-431	764.00	0.0	931.66	72.5
J-432	861.91	0.0	931.80	30.2
J-435	764.04	0.0	931.68	72.5
J-436	768.68	0.0	931.73	70.5
J-439	762.11	0.0	931.69	73.4
J-441	759.57	0.0	931.69	74.5
J-443	761.00	0.0	931.66	73.8
J-444	763.00	0.0	931.66	73.0
J-445	797.55	0.0	931.70	58.0
J-448	808.93	0.0	998.52	82.0
J-455	784.91	0.0	998.54	92.4
J-456	788.01	0.0	998.54	91.1
J-458	818.10	0.0	998.51	78.1
J-459	825.00	1.4	998.48	75.1
J-460	814.71	0.0	998.49	79.5
J-461	813.75	1.9	998.44	79.9
J-462	783.00	0.0	998.54	93.3
J-463	795.45	11.5	998.51	87.9
J-464	801.02	0.0	998.43	85.4
J-465	804.18	2.4	998.52	84.1
J-466	810.63	0.0	998.51	81.3
J-468	816.55	0.0	998.50	78.7
J-469	757.85	9.6	931.50	75.1
J-486	782.56	2.4	998.54	93.4
J-493	772.02	0.0	999.13	98.3
J-498	773.27	0.0	997.55	97.0
J-500	779.00	0.0	997.74	94.6
J-501	757.97	0.0	931.52	75.1
J-507	769.85	0.0	932.00	70.2
J-508	769.60	0.0	932.00	70.3
J-509	769.78	(N/A)	(N/A)	(N/A)
J-651	776.33	0.0	998.90	96.3
J-652	777.13	0.0	999.00	96.0
J-655	777.00	0.0	999.00	96.1
J-870	773.00	0.0	999.11	97.8
J-875	853.58	0.0	999.99	63.3
J-905	785.77	0.0	998.94	92.2
J-991	783.00	0.0	998.18	93.1
J-993	782.04	0.0	998.01	93.4
J-995	781.82	0.0	997.88	93.5
J-1013	781.15	0.0	997.84	93.8
J-1020	780.39	0.0	997.80	94.1
J-1038	779.63	0.0	997.67	94.3
J-1039	780.01	0.0	997.71	94.2
J-1065	777.21	0.0	997.55	95.3
J-1066	777.46	0.0	997.57	95.2
J-1100	775.12	0.0	997.55	96.2
J-1101	774.34	0.0	997.55	96.6
J-1116	774.00	0.0	999.13	97.4
J-1204	772.36	0.0	999.13	98.1
J-1224	769.83	(N/A)	(N/A)	(N/A)
J-1286	804.00	0.0	998.54	84.2
J-1293	786.19	0.0	998.54	91.9
J-1380	794.82	0.0	998.62	88.2
J-1381	791.17	0.0	998.64	89.8
J-1382	785.00	0.0	998.82	92.5
J-1383	787.32	0.0	998.68	91.4
J-1384	798.09	0.0	998.59	86.7
J-1385	801.35	252.5	998.55	85.3
J-1386	790.35	0.0	998.54	90.1
J-1409	764.00	0.0	931.65	72.5
J-1446	772.40	0.0	999.01	98.0
J-1447	772.39	0.0	999.03	98.1
J-1448	773.86	0.0	999.03	97.4
J-1449	774.45	0.0	999.03	97.2
J-1450	775.68	0.0	999.05	96.6
J-1451	775.72	0.0	999.07	96.6
J-1452	775.19	0.0	999.08	96.9
J-1453	773.86	0.0	999.09	97.4
J-1454	804.19	0.0	999.17	84.4
J-1457	805.93	0.0	999.18	83.6
J-1458	785.84	0.0	999.09	92.3
J-1459	786.17	0.0	999.01	92.1
J-1464	773.19	0.0	999.03	97.7
J-1465	775.10	0.0	999.04	96.9
J-1466	778.27	70.3	998.96	95.5
J-1468	775.76	0.0	999.06	96.6
J-1471	786.10	0.0	999.16	92.2
J-1475	777.41	13.0	998.20	95.5
J-1483	817.23	0.0	999.27	78.8

FlexTable: Junction Table

Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-1484	798.13	0.0	999.36	87.1
J-1484	773.00	0.0	999.03	97.8
J-1485	791.57	0.0	999.47	89.9
J-1485	770.00	0.0	999.03	99.1
J-1486	797.00	0.0	999.55	87.6
J-1487	774.65	0.0	999.03	97.1
J-1494	799.15	0.0	999.20	86.5
J-1495	805.41	0.0	999.21	83.8
J-1496	828.22	0.0	999.22	74.0
J-1497	811.34	0.0	999.22	81.3
J-1498	798.86	0.0	999.21	86.7
J-1498	772.00	3.1	999.03	98.2
J-1499	787.21	0.0	999.20	91.7
J-1500	791.76	0.0	999.18	89.7
J-1501	776.80	0.0	999.17	96.2
J-1502	777.23	0.0	999.16	96.0
J-1503	776.85	0.0	999.15	96.2
J-1504	775.00	0.0	999.14	97.0
J-1505	772.70	0.0	999.13	98.0
J-1506	772.32	0.0	999.13	98.1
J-1507	786.79	0.0	999.18	91.9
J-1511	796.57	96.0	999.45	87.8
J-1512	781.89	96.0	999.12	94.0
J-1513	834.58	0.0	999.23	71.2
J-1514	829.23	0.0	999.53	73.7
J-1515	846.84	0.0	999.93	66.2
J-1517	830.49	0.0	999.35	73.1
J-1519	776.55	0.0	999.14	96.3
J-1521	776.65	21.0	999.14	96.3
J-1523	775.69	21.0	999.14	96.7
J-1525	772.04	0.0	999.13	98.3
J-1540	768.99	0.0	931.38	70.3
J-1541	766.22	0.0	931.30	71.4
J-1542	763.48	0.0	931.26	72.6
J-1543	762.08	0.0	931.24	73.2
J-1544	759.68	0.0	931.22	74.2
J-1545	757.89	0.0	931.21	75.0
J-1546	756.97	0.0	931.21	75.4
J-1547	755.21	0.0	931.21	76.1
J-1548	754.40	0.0	931.21	76.5
J-1549	753.70	0.0	931.21	76.8
J-1550	753.32	0.0	931.21	77.0
J-1551	757.51	0.0	931.21	75.2
J-1554	758.76	0.0	931.21	74.6
J-1557	761.39	0.0	931.24	73.5
J-1559	765.26	0.0	931.27	71.8
J-1560	764.97	45.7	931.24	71.9
J-1561	766.12	45.7	931.23	71.4
J-1562	784.49	78.0	997.67	92.2
J-1563	780.24	0.0	997.79	94.1
J-1570	774.80	0.0	997.55	96.4
J-1573	777.42	0.0	997.55	95.2
J-1574	779.00	78.0	997.44	94.5
J-1575	775.43	78.0	997.45	96.1
J-1645	757.49	45.7	931.18	75.1
J-1646	759.53	45.7	931.18	74.3
J-1648	779.66	78.0	997.72	94.3
J-1649	772.19	70.3	999.10	98.2
J-1650	789.48	94.7	999.39	90.8
J-1651	802.27	94.7	999.61	85.4
J-1664	789.69	0.0	998.67	90.4
J-1683	786.11	29.5	998.18	91.8
J-1685	784.55	0.0	998.20	92.4
J-1686	779.30	0.0	998.20	94.7
J-1687	778.03	0.0	998.20	95.3
J-1689	777.38	0.0	998.21	95.5
J-1691	785.39	0.0	999.12	92.5
J-1692	765.08	0.0	999.10	101.3
J-1693	769.56	0.0	999.07	99.3

PROPOSED SYSTEM
MDF RESULTS

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-2	400	J-4	J-5	6.0	PVC	120.0	0.350	12.4	0.14
P-3	372	J-5	J-6	6.0	PVC	120.0	0.500	42.2	0.48
P-4	406	J-6	J-7	6.0	PVC	120.0	0.500	41.4	0.47
P-6	362	J-7	J-9	6.0	PVC	120.0	0.350	24.8	0.28
P-7	385	J-9	J-10	6.0	PVC	120.0	0.800	15.6	0.18
P-8	595	J-6	J-11	8.0	PVC	120.0	0.000	0.0	0.00
P-9	388	J-12	J-4	6.0	PVC	120.0	1.280	19.7	0.22
P-11	399	J-12	J-14	8.0	PVC	120.0	1.280	34.7	0.22
P-12	388	J-5	J-14	8.0	PVC	120.0	1.280	34.0	0.22
P-13	186	J-14	J-15	8.0	PVC	120.0	0.350	0.7	0.00
P-14	180	J-15	J-16	8.0	PVC	120.0	0.000	1.8	0.01
P-15	395	J-16	J-17	8.0	PVC	120.0	0.750	47.8	0.30
P-16	374	J-17	J-18	8.0	PVC	120.0	0.750	102.0	0.65
P-17	388	J-18	J-19	8.0	PVC	120.0	0.750	86.4	0.55
P-18	400	J-19	J-20	8.0	PVC	120.0	0.750	83.1	0.53
P-19	394	J-20	J-21	8.0	PVC	120.0	0.350	46.7	0.30
P-20	379	J-21	J-22	8.0	PVC	120.0	0.750	47.4	0.30
P-21	373	J-22	J-23	8.0	PVC	120.0	0.350	39.9	0.25
P-22	377	J-23	J-24	8.0	PVC	120.0	0.750	37.7	0.24
P-23	393	J-24	J-25	8.0	PVC	120.0	1.280	22.1	0.14
P-24	375	J-15	J-26	2.0	PVC	120.0	1.280	2.6	0.26
P-25	571	J-26	J-6	8.0	PVC	120.0	0.750	0.8	0.01
P-26	184	J-26	J-27	8.0	PVC	120.0	0.350	3.4	0.02
P-27	393	J-27	J-28	8.0	PVC	120.0	0.750	4.2	0.03
P-28	377	J-28	J-29	8.0	PVC	120.0	1.280	30.8	0.20
P-30	387	J-31	J-17	12.0	PVC	120.0	0.500	261.1	0.74
P-31	385	J-31	J-32	8.0	PVC	120.0	0.350	67.4	0.43
P-32	147	J-33	J-16	6.0	PVC	120.0	0.500	0.0	0.00
P-33	376	J-16	J-27	6.0	PVC	120.0	0.500	45.9	0.52
P-34	404	J-27	J-34	6.0	PVC	120.0	0.350	41.1	0.47
P-35	354	J-34	J-40	6.0	PVC	120.0	0.350	28.8	0.33
P-36	392	J-40	J-36	6.0	PVC	120.0	0.500	29.1	0.33
P-38	387	J-37	J-38	6.0	PVC	120.0	0.350	26.4	0.30
P-39	371	J-38	J-39	6.0	PVC	120.0	0.200	19.3	0.22
P-41	371	J-40	J-41	8.0	PVC	120.0	1.280	3.1	0.02
P-42	27	J-41	J-42	8.0	PVC	120.0	0.350	3.1	0.02
P-43	379	J-42	J-43	8.0	PVC	120.0	0.750	12.8	0.08
P-45	366	J-45	J-295	6.0	PVC	120.0	1.280	23.4	0.27
P-47	360	J-9	J-45	6.0	PVC	120.0	1.280	9.2	0.10
P-48	389	J-45	J-48	6.0	PVC	120.0	0.500	16.3	0.18
P-50	398	J-36	J-48	6.0	PVC	120.0	0.750	23.6	0.27
P-52	358	J-48	J-10	6.0	PVC	120.0	0.000	10.5	0.12
P-53	356	J-48	J-50	2.0	PVC	120.0	0.000	0.0	0.00
P-55	388	J-51	J-18	8.0	PVC	120.0	0.500	35.7	0.23
P-56	185	J-51	J-52	8.0	PVC	120.0	0.000	129.8	0.83
P-57	376	J-17	J-28	8.0	PVC	120.0	0.500	111.3	0.71
P-59	389	J-42	J-53	8.0	PVC	120.0	0.500	66.6	0.43
P-60	381	J-53	J-54	8.0	PVC	120.0	0.000	52.3	0.33
P-61	384	J-54	J-55	8.0	PVC	120.0	0.350	52.3	0.33
P-62	404	J-55	J-58	8.0	PVC	120.0	0.500	46.7	0.30
P-64	386	J-58	J-59	8.0	PVC	120.0	1.280	34.4	0.22
P-65	390	J-59	J-39	8.0	PVC	120.0	0.500	34.9	0.22
P-67	338	J-37	J-61	6.0	PVC	120.0	0.750	0.0	0.00
P-69	375	J-55	J-37	6.0	PVC	120.0	1.280	5.5	0.06
P-70	391	J-58	J-38	2.0	PVC	120.0	1.280	0.8	0.08
P-71	362	J-36	J-62	8.0	PVC	120.0	0.750	21.7	0.14
P-72	29	J-62	J-53	8.0	PVC	120.0	0.350	21.7	0.14
P-75	340	J-43	J-65	6.0	PVC	120.0	0.000	0.0	0.00
P-76	376	J-18	J-29	8.0	PVC	120.0	0.350	51.3	0.33
P-78	383	J-66	J-19	8.0	PVC	120.0	1.280	13.2	0.08
P-80	221	J-43	J-79	8.0	PVC	120.0	0.750	71.9	0.46
P-83	132	J-68	J-69	6.0	PVC	120.0	0.800	0.0	0.00
P-85	384	J-445	J-68	8.0	PVC	120.0	0.350	1.4	0.01
P-87	389	J-71	J-21	8.0	PVC	120.0	0.500	22.1	0.14
P-88	626	J-20	J-72	6.0	PVC	120.0	1.280	28.1	0.32
P-97	395	J-73	J-81	8.0	PVC	120.0	0.750	43.5	0.28
P-99	299	J-80	J-81	3.0	PVC	120.0	0.500	0.0	0.00
P-100	369	J-81	J-63	8.0	PVC	120.0	0.350	30.7	0.20
P-101	366	J-63	J-82	8.0	PVC	120.0	0.350	61.2	0.39
P-103	20	J-83	J-84	8.0	PVC	120.0	0.500	30.0	0.19
P-104	369	J-84	J-85	8.0	PVC	120.0	1.280	21.4	0.14
P-107	374	J-59	J-86	8.0	PVC	120.0	0.350	12.1	0.08
P-109	390	J-86	J-85	8.0	PVC	120.0	0.750	12.8	0.08
P-110	389	J-85	J-88	8.0	PVC	120.0	1.280	8.0	0.05
P-111	368	J-88	J-75	8.0	PVC	120.0	0.350	17.9	0.11
P-112	390	J-75	J-84	8.0	PVC	120.0	0.750	7.3	0.05
P-113	214	J-86	J-89	8.0	PVC	120.0	0.350	2.1	0.01
P-114	166	J-89	J-90	8.0	PVC	120.0	1.280	(N/A)	(N/A)
P-115	178	J-89	J-92	8.0	PVC	120.0	0.500	2.1	0.01
P-116	157	J-92	J-93	8.0	PVC	120.0	0.500	3.6	0.02
P-117	284	J-94	J-95	6.0	PVC	120.0	0.000	0.0	0.00
P-118	491	J-95	J-96	2.0	PVC	120.0	1.280	0.0	0.00
P-119	220	J-95	J-97	6.0	PVC	120.0	0.350	3.7	0.04
P-120	282	J-97	J-93	2.0	PVC	120.0	0.300	0.2	0.03
P-121	432	J-93	J-98	2.0	PVC	120.0	0.300	0.3	0.03
P-122	209	J-97	J-92	8.0	PVC	120.0	0.500	3.4	0.02

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-125	387	J-99	J-100	8.0	PVC	120.0	0.000	2.8	0.02
P-126	34	J-100	J-101	8.0	PVC	120.0	1.280	1.4	0.01
P-127	371	J-102	J-103	8.0	PVC	120.0	0.350	20.7	0.13
P-128	377	J-103	J-100	8.0	PVC	120.0	0.800	1.4	0.01
P-129	291	J-103	J-104	8.0	PVC	120.0	1.280	0.0	0.00
P-130	384	J-88	J-99	8.0	PVC	120.0	0.500	9.9	0.06
P-131	213	J-99	J-105	8.0	PVC	120.0	0.500	2.2	0.01
P-132	421	J-105	J-98	8.0	PVC	120.0	0.300	0.3	0.00
P-134	107	J-106	J-107	8.0	PVC	120.0	0.500	14.7	0.09
P-137	420	J-110	J-111	8.0	PVC	120.0	0.300	4.3	0.03
P-138	420	J-111	J-112	8.0	PVC	120.0	0.300	10.5	0.07
P-139	417	J-112	J-101	8.0	PVC	120.0	0.000	4.5	0.03
P-141	444	J-101	J-105	8.0	PVC	120.0	0.350	3.1	0.02
P-143	606	J-114	J-112	2.0	PVC	120.0	0.500	0.5	0.05
P-144	400	J-114	J-102	6.0	PVC	120.0	0.750	5.0	0.06
P-145	380	J-102	J-75	6.0	PVC	120.0	0.750	0.7	0.01
P-146	379	J-114	J-115	6.0	PVC	120.0	0.750	6.0	0.07
P-147	292	J-115	J-116	6.0	PVC	120.0	0.750	5.3	0.06
P-148	89	J-116	J-117	6.0	PVC	120.0	1.280	5.3	0.06
P-149	429	J-111	J-115	6.0	PVC	120.0	0.500	6.3	0.07
P-150	387	J-115	J-118	6.0	PVC	120.0	0.500	5.6	0.06
P-151	406	J-118	J-119	6.0	PVC	120.0	0.350	6.0	0.07
P-152	372	J-118	J-120	2.0	PVC	120.0	1.280	0.5	0.05
P-154	9	J-122	J-123	6.0	PVC	120.0	0.750	24.5	0.28
P-155	381	J-122	J-24	6.0	PVC	120.0	0.500	8.1	0.09
P-157	385	J-124	J-125	6.0	PVC	120.0	0.500	6.5	0.07
P-158	383	J-125	J-126	6.0	PVC	120.0	0.350	5.9	0.07
P-159	374	J-126	J-127	6.0	PVC	120.0	0.500	5.6	0.06
P-160	406	J-127	J-120	6.0	PVC	120.0	0.350	9.5	0.11
P-161	383	J-120	J-117	6.0	PVC	120.0	0.350	2.0	0.02
P-162	261	J-117	J-110	6.0	PVC	120.0	0.500	3.3	0.04
P-163	392	J-109	J-127	8.0	PVC	120.0	1.280	4.4	0.03
P-164	372	J-127	J-119	8.0	PVC	120.0	0.750	8.3	0.05
P-166	402	J-443	J-74	8.0	PVC	120.0	0.750	24.5	0.16
P-167	397	J-74	J-82	8.0	PVC	120.0	1.280	26.7	0.17
P-170	383	J-25	J-130	8.0	PVC	120.0	0.350	11.1	0.07
P-171	415	J-130	J-131	8.0	PVC	120.0	0.750	2.8	0.02
P-172	363	J-131	J-132	8.0	PVC	120.0	0.350	0.0	0.00
P-173(1)	58	J-132	PRV-15	6.0	PVC	120.0	0.200	(N/A)	(N/A)
P-173(2)	205	PRV-15	J-133	6.0	PVC	120.0	0.200	(N/A)	(N/A)
P-174	263	J-133	J-134	6.0	PVC	120.0	1.280	0.0	0.00
P-175	310	J-133	J-135	6.0	PVC	120.0	0.350	7.4	0.08
P-177	306	J-136	J-137	6.0	PVC	120.0	0.350	22.1	0.25
P-178	322	J-137	J-138	6.0	PVC	120.0	0.350	18.9	0.21
P-179	254	J-138	J-139	6.0	PVC	120.0	0.350	16.1	0.18
P-181	235	J-139	J-141	6.0	PVC	120.0	0.350	3.7	0.04
P-182	22	J-142	J-143	2.0	PVC	120.0	0.750	0.0	0.00
P-183	49	J-143	J-144	2.0	PVC	120.0	0.000	0.0	0.00
P-185	228	J-145	J-146	6.0	PVC	120.0	0.000	0.0	0.00
P-195	384	J-151	J-22	8.0	PVC	120.0	1.280	9.5	0.06
P-196	377	J-130	J-123	8.0	PVC	120.0	0.000	24.5	0.16
P-198	359	J-132	J-153	2.0	PVC	120.0	1.280	0.0	0.00
P-199	359	J-131	J-154	6.0	PVC	120.0	1.280	2.8	0.03
P-201	383	J-156	J-23	8.0	PVC	120.0	0.500	2.2	0.01
P-203	391	J-151	J-71	8.0	PVC	120.0	0.750	51.4	0.33
P-204	256	J-71	J-158	8.0	PVC	120.0	0.000	49.9	0.32
P-205	378	J-122	J-156	8.0	PVC	120.0	0.750	32.6	0.21
P-206	361	J-156	J-151	8.0	PVC	120.0	0.750	41.9	0.27
P-207	380	J-124	J-159	6.0	PVC	120.0	0.750	6.5	0.07
P-210	379	J-162	J-159	8.0	PVC	120.0	0.500	6.5	0.04
P-211	65	J-159	J-163	0.8	PVC	120.0	0.750	0.0	0.00
P-212	378	J-125	J-162	6.0	PVC	120.0	0.750	3.0	0.03
P-213	359	J-162	J-165	6.0	PVC	120.0	0.750	3.7	0.04
P-215	388	J-165	J-166	6.0	PVC	120.0	0.750	19.6	0.22
P-216	399	J-166	J-73	6.0	PVC	120.0	0.750	23.4	0.27
P-217	528	J-166	J-167	6.0	PVC	120.0	0.500	21.4	0.24
P-218	225	J-167	J-168	6.0	PVC	120.0	0.350	21.4	0.24
P-219	112	J-167	J-169	6.0	PVC	120.0	1.280	0.0	0.00
P-220	378	J-165	J-170	8.0	PVC	120.0	0.500	0.0	0.00
P-221	376	J-165	J-171	8.0	PVC	120.0	0.500	10.0	0.06
P-222	75	J-126	J-172	2.0	PVC	120.0	1.280	0.4	0.04
P-223	299	J-172	J-160	3.0	PVC	120.0	0.750	0.4	0.02
P-224	410	J-160	J-171	3.0	PVC	120.0	0.750	0.8	0.04
P-225	181	J-171	J-173	3.0	PVC	120.0	0.000	0.0	0.00
P-226	398	J-166	J-174	8.0	PVC	120.0	0.000	25.2	0.16
P-227	350	J-174	J-443	8.0	PVC	120.0	0.500	25.2	0.16
P-228	370	J-160	J-119	8.0	PVC	120.0	0.500	2.8	0.02
P-229	488	J-110	J-175	2.0	PVC	120.0	0.000	0.0	0.00
P-230	210	J-176	J-177	2.0	PVC	120.0	0.500	4.6	0.47
P-231	386	J-177	J-178	2.0	PVC	120.0	0.300	0.0	0.00
P-232	78	J-177	J-179	2.0	PVC	120.0	0.800	4.6	0.47
P-233	361	J-180	J-181	2.0	PVC	120.0	1.280	2.3	0.23
P-235	220	J-183	J-184	2.0	PVC	120.0	0.750	0.0	0.00
P-239	420	J-185	J-182	6.0	PVC	120.0	1.280	9.0	0.10
P-240	281	J-60	J-186	12.0	PVC	120.0	0.000	54.3	0.15
P-241	143	J-186	J-185	6.0	PVC	120.0	0.350	44.6	0.51

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-243	297	J-187	J-188	6.0	PVC	120.0	1.280	37.4	0.42
P-244	215	J-187	J-189	6.0	PVC	120.0	0.350	37.4	0.42
P-245	218	J-189	J-190	6.0	PVC	120.0	0.350	24.8	0.28
P-248	23	J-192	J-193	6.0	PVC	120.0	1.280	7.8	0.09
P-250	47	J-194	J-196	6.0	PVC	120.0	0.350	32.5	0.37
P-252	84	J-197	J-198	6.0	PVC	120.0	0.500	14.0	0.16
P-253	126	J-197	J-199	6.0	PVC	120.0	0.500	11.4	0.13
P-254	160	J-199	J-192	6.0	PVC	120.0	1.280	4.8	0.05
P-255	434	J-200	J-201	2.0	PVC	120.0	0.500	0.0	0.00
P-258	166	J-193	J-199	8.0	PVC	120.0	0.350	6.9	0.04
P-259	68	J-199	J-198	8.0	PVC	120.0	0.750	0.3	0.00
P-262	150	J-203	J-204	6.0	PVC	120.0	0.000	1.2	0.01
P-264	437	J-194	J-206	8.0	PVC	120.0	0.350	42.5	0.27
P-265	287	J-206	J-207	8.0	PVC	120.0	0.350	59.1	0.38
P-266	294	J-207	J-107	8.0	PVC	120.0	0.350	81.1	0.52
P-268	558	J-106	J-209	6.0	PVC	120.0	1.280	3.7	0.04
P-269	498	J-209	J-210	6.0	PVC	120.0	0.500	0.0	0.00
P-270	651	J-209	J-211	6.0	PVC	120.0	0.000	0.0	0.00
P-272	331	J-212	J-213	6.0	PVC	120.0	1.280	3.3	0.04
P-274	487	J-212	J-214	6.0	PVC	120.0	0.350	13.1	0.15
P-275	313	J-214	J-215	6.0	PVC	120.0	0.350	3.9	0.04
P-276	187	J-215	J-216	6.0	PVC	120.0	0.000	1.2	0.01
P-277	202	J-213	J-217	4.0	PVC	120.0	0.750	1.4	0.04
P-278	305	J-214	J-218	4.0	PVC	120.0	1.280	3.2	0.08
P-279	305	J-215	J-219	4.0	PVC	120.0	1.280	2.8	0.07
P-280	307	J-213	J-204	8.0	PVC	120.0	0.350	9.3	0.06
P-282	492	J-204	J-221	8.0	PVC	120.0	1.280	10.6	0.07
P-283	308	J-221	J-222	8.0	PVC	120.0	0.350	1.4	0.01
P-285	261	J-223	J-224	8.0	PVC	120.0	0.350	45.8	0.29
P-286	261	J-224	J-225	8.0	PVC	120.0	0.350	51.3	0.33
P-287	158	J-225	J-226	8.0	PVC	120.0	0.350	56.3	0.36
P-288	287	J-226	J-227	8.0	PVC	120.0	0.750	56.3	0.36
P-289	304	J-221	J-228	4.0	PVC	120.0	1.280	2.8	0.07
P-290	304	J-222	J-229	4.0	PVC	120.0	1.280	2.8	0.07
P-291	386	J-223	J-230	6.0	PVC	120.0	1.280	5.1	0.06
P-292	387	J-224	J-231	6.0	PVC	120.0	1.280	5.5	0.06
P-293	385	J-225	J-232	6.0	PVC	120.0	1.280	5.1	0.06
P-294	171	J-226	J-233	2.0	PVC	120.0	1.280	0.0	0.00
P-295	565	J-234	J-227	12.0	PVC	120.0	0.500	41.1	0.12
P-301	395	J-238	J-239	8.0	PVC	120.0	0.000	0.0	0.00
P-302	619	J-239	J-240	8.0	PVC	120.0	1.280	0.0	0.00
P-304	308	J-241	J-242	10.0	PVC	120.0	0.300	2.8	0.01
P-312	554	J-250	J-251	10.0	PVC	120.0	1.280	371.2	1.52
P-313	653	J-252	J-253	10.0	PVC	120.0	0.000	350.1	1.43
P-314	333	J-253	J-254	10.0	PVC	120.0	0.350	78.5	0.32
P-315	275	J-253	J-251	8.0	PVC	120.0	1.280	271.6	1.73
P-317	535	J-255	J-256	8.0	PVC	120.0	1.280	89.5	0.57
P-318	512	J-256	J-254	8.0	PVC	120.0	0.350	83.1	0.53
P-321	238	J-258	J-259	6.0	PVC	120.0	0.800	0.0	0.00
P-322	351	J-258	J-260	16.0	PVC	120.0	0.000	0.0	0.00
P-325	394	J-262	J-263	6.0	PVC	120.0	0.350	0.9	0.01
P-327	337	J-264	J-261	6.0	PVC	120.0	0.000	0.5	0.01
P-329	461	J-265	J-262	6.0	PVC	120.0	0.800	0.4	0.00
P-331	238	J-7	J-266	1.5	PVC	120.0	0.000	0.0	0.00
P-332	462	J-196	J-267	1.5	PVC	120.0	1.280	1.4	0.25
P-333	390	J-40	J-45	8.0	PVC	120.0	1.280	9.5	0.06
P-334	169	J-72	J-268	3.0	PVC	120.0	1.280	0.0	0.00
P-336	436	J-269	J-136	6.0	PVC	120.0	0.800	9.1	0.10
P-338	319	J-270	J-147	6.0	PVC	120.0	0.800	15.2	0.17
P-339	458	J-137	J-271	6.0	PVC	120.0	1.280	3.2	0.04
P-340	512	J-271	J-270	6.0	PVC	120.0	0.000	15.2	0.17
P-341	502	J-147	J-272	6.0	PVC	120.0	1.280	12.4	0.14
P-342	403	J-272	J-138	6.0	PVC	120.0	1.280	2.8	0.03
P-343	414	J-139	J-273	6.0	PVC	120.0	1.280	19.8	0.22
P-344	439	J-273	J-148	6.0	PVC	120.0	0.350	19.8	0.22
P-346	101	J-274	J-150	8.0	PVC	120.0	0.800	0.0	0.00
P-347	539	J-149	J-276	8.0	PVC	120.0	0.350	6.4	0.04
P-348	549	J-276	J-274	8.0	PVC	120.0	0.800	6.4	0.04
P-349	504	J-149	J-277	12.0	PVC	120.0	0.200	60.7	0.17
P-350	349	J-277	J-143	12.0	PVC	120.0	0.000	60.7	0.17
P-351	438	J-148	J-278	12.0	PVC	120.0	0.200	47.4	0.13
P-352	523	J-278	J-149	12.0	PVC	120.0	1.280	54.3	0.15
P-353	183	J-148	J-279	6.0	PVC	120.0	1.280	27.6	0.31
P-354	240	J-279	J-147	6.0	PVC	120.0	0.350	27.6	0.31
P-355	356	J-145	J-280	6.0	PVC	120.0	0.350	2.0	0.02
P-356	416	J-280	J-136	6.0	PVC	120.0	1.280	13.0	0.15
P-357	334	J-135	J-281	6.0	PVC	120.0	0.800	5.4	0.06
P-358	312	J-281	J-269	6.0	PVC	120.0	0.000	9.1	0.10
P-359	676	J-143	J-282	12.0	PVC	120.0	0.500	60.7	0.17
P-361	528	J-282	J-387	12.0	PVC	120.0	0.000	63.9	0.18
P-362	604	J-283	J-151	8.0	PVC	120.0	0.500	0.0	0.00
P-363	371	J-155	J-284	8.0	PVC	120.0	0.000	0.0	0.00
P-364	384	J-284	J-156	8.0	PVC	120.0	0.500	11.5	0.07
P-365	384	J-121	J-285	6.0	PVC	120.0	0.000	0.0	0.00
P-366	389	J-285	J-122	6.0	PVC	120.0	0.500	0.0	0.00
P-367	384	J-152	J-286	8.0	PVC	120.0	0.000	0.0	0.00

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-368	390	J-286	J-130	8.0	PVC	120.0	0.500	10.6	0.07
P-369	362	J-129	J-287	8.0	PVC	120.0	0.350	28.2	0.18
P-370	358	J-287	J-25	8.0	PVC	120.0	0.000	28.2	0.18
P-371	361	J-24	J-288	6.0	PVC	120.0	0.500	16.3	0.19
P-372	367	J-288	J-124	6.0	PVC	120.0	0.500	16.3	0.19
P-373	418	J-445	J-289	8.0	PVC	120.0	1.280	29.6	0.19
P-374	381	J-289	J-71	8.0	PVC	120.0	0.500	23.6	0.15
P-375	379	J-66	J-290	8.0	PVC	120.0	0.350	80.9	0.52
P-376	363	J-290	J-445	8.0	PVC	120.0	1.280	31.0	0.20
P-380	377	J-421	J-31	12.0	PVC	120.0	0.500	466.5	1.32
P-381	365	J-13	J-293	8.0	PVC	120.0	0.000	0.0	0.00
P-382	375	J-293	J-12	8.0	PVC	120.0	0.500	0.0	0.00
P-383	374	J-3	J-294	6.0	PVC	120.0	0.000	0.0	0.00
P-384	369	J-294	J-4	6.0	PVC	120.0	0.350	7.4	0.08
P-386	358	J-295	J-7	6.0	PVC	120.0	0.750	11.1	0.13
P-387	399	J-34	J-295	6.0	PVC	120.0	0.500	12.3	0.14
P-389	380	J-28	J-297	8.0	PVC	120.0	0.000	76.2	0.49
P-390	381	J-297	J-42	8.0	PVC	120.0	0.500	76.2	0.49
P-391	375	J-29	J-298	8.0	PVC	120.0	0.000	72.9	0.47
P-392	386	J-298	J-43	8.0	PVC	120.0	0.500	72.9	0.47
P-395	428	J-39	J-300	8.0	PVC	120.0	0.300	54.3	0.35
P-396	440	J-300	J-60	8.0	PVC	120.0	0.000	54.3	0.35
P-397	435	J-183	J-301	6.0	PVC	120.0	0.200	28.7	0.33
P-398	322	J-301	J-185	6.0	PVC	120.0	0.000	35.6	0.40
P-400	522	J-302	J-183	6.0	PVC	120.0	0.500	30.4	0.34
P-401	221	J-180	J-501	6.0	PVC	120.0	0.350	25.3	0.29
P-402	599	J-303	J-302	6.0	PVC	120.0	0.100	30.4	0.34
P-403	547	J-179	J-304	6.0	PVC	120.0	0.800	4.6	0.05
P-404	534	J-304	J-180	6.0	PVC	120.0	0.350	23.0	0.26
P-405	434	J-186	J-305	8.0	PVC	120.0	1.280	6.4	0.04
P-407	291	J-305	J-306	8.0	PVC	120.0	0.350	6.4	0.04
P-409	429	J-306	J-307	8.0	PVC	120.0	0.000	6.4	0.04
P-411	424	J-307	J-308	8.0	PVC	120.0	0.000	0.0	0.00
P-413	358	J-308	J-309	8.0	PVC	120.0	0.800	0.0	0.00
P-414(1)	134	J-309	PRV-17	6.0	PVC	120.0	0.000	(N/A)	(N/A)
P-414(2)	211	PRV-17	J-187	6.0	PVC	120.0	0.000	(N/A)	(N/A)
P-415	498	J-189	J-310	6.0	PVC	120.0	1.280	12.6	0.14
P-416	494	J-310	J-191	6.0	PVC	120.0	0.000	12.6	0.14
P-417	495	J-191	J-311	6.0	PVC	120.0	0.000	12.6	0.14
P-418	379	J-311	J-192	6.0	PVC	120.0	0.350	12.6	0.14
P-419	365	J-198	J-312	8.0	PVC	120.0	1.280	13.8	0.09
P-421	495	J-312	J-313	8.0	PVC	120.0	0.000	13.8	0.09
P-423	491	J-313	J-314	8.0	PVC	120.0	0.000	24.8	0.16
P-424	507	J-314	J-190	8.0	PVC	120.0	0.800	24.8	0.16
P-425	96	J-200	J-315	8.0	PVC	120.0	0.200	0.9	0.01
P-426	182	J-315	J-193	8.0	PVC	120.0	0.800	0.9	0.01
P-427	156	J-202	J-317	8.0	PVC	120.0	0.200	0.0	0.00
P-428	84	J-317	J-200	8.0	PVC	120.0	0.300	0.0	0.00
P-429	592	J-196	J-318	6.0	PVC	120.0	0.000	31.1	0.35
P-430	227	J-318	J-197	6.0	PVC	120.0	0.300	25.4	0.29
P-431	418	J-194	J-319	6.0	PVC	120.0	1.280	10.0	0.11
P-432	448	J-319	J-203	6.0	PVC	120.0	1.280	5.4	0.06
P-433	147	J-203	J-322	4.0	PVC	120.0	0.800	4.1	0.11
P-434	209	J-322	J-205	4.0	PVC	120.0	0.000	0.0	0.00
P-435	397	J-222	J-323	8.0	PVC	120.0	0.200	1.4	0.01
P-437	693	J-323	J-324	8.0	PVC	120.0	0.200	7.8	0.05
P-439	555	J-324	J-325	8.0	PVC	120.0	1.280	13.8	0.09
P-440	284	J-325	J-223	8.0	PVC	120.0	0.350	40.7	0.26
P-441	679	J-227	J-326	12.0	PVC	120.0	0.000	707.8	2.01
P-443	549	J-326	J-327	12.0	PVC	120.0	0.350	709.7	2.01
P-444	176	J-327	J-651	12.0	PVC	120.0	0.000	716.1	2.03
P-445	307	J-236	J-652	16.0	PVC	120.0	0.000	716.1	1.14
P-447(1)	262	J-328	J-1487	16.0	PVC	120.0	0.350	494.9	0.79
P-447(2)	227	J-1487	J-329	16.0	PVC	120.0	0.000	500.8	0.80
P-449	466	J-329	J-330	16.0	PVC	120.0	0.000	500.8	0.80
P-451(1)	27	J-330	J-1693	16.0	PVC	120.0	0.000	500.8	0.80
P-451(2)	582	J-1693	J-331	16.0	PVC	120.0	0.000	221.1	0.35
P-453	397	J-331	J-332	16.0	PVC	120.0	0.350	221.1	0.35
P-454	387	J-332	J-237	16.0	PVC	120.0	0.000	221.1	0.35
P-457	519	J-237	J-334	16.0	PVC	120.0	0.000	221.1	0.35
P-458	509	J-334	J-333	16.0	PVC	120.0	0.000	221.1	0.35
P-459	450	J-333	J-870	16.0	PVC	120.0	0.000	221.6	0.35
P-460	568	J-335	J-235	16.0	PVC	120.0	0.800	221.6	0.35
P-463	287	J-239	J-337	8.0	PVC	120.0	0.350	2.8	0.02
P-464	381	J-337	J-336	8.0	PVC	120.0	0.000	2.8	0.02
P-465	442	J-336	J-338	8.0	PVC	120.0	0.000	2.8	0.02
P-466	522	J-338	J-241	8.0	PVC	120.0	0.500	2.8	0.02
P-467	343	J-255	J-339	8.0	PVC	120.0	0.000	0.0	0.00
P-468	395	J-339	J-257	8.0	PVC	120.0	0.000	0.0	0.00
P-469	262	J-251	J-340	8.0	PVC	120.0	0.350	99.6	0.64
P-471	394	J-340	J-341	8.0	PVC	120.0	0.800	99.6	0.64
P-472	450	J-341	J-255	8.0	PVC	120.0	0.350	89.5	0.57
P-475	427	J-256	J-343	8.0	PVC	120.0	0.000	6.4	0.04
P-476	431	J-343	J-342	8.0	PVC	120.0	0.000	6.4	0.04
P-477	452	J-342	J-344	8.0	PVC	120.0	0.000	6.4	0.04
P-478	502	J-344	J-243	8.0	PVC	120.0	0.800	6.4	0.04

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-481	433	J-345	J-346	10.0	PVC	120.0	0.000	4.1	0.02
P-482	470	J-346	J-243	10.0	PVC	120.0	0.500	6.4	0.03
P-483	403	J-242	J-347	10.0	PVC	120.0	0.300	2.8	0.01
P-484	443	J-347	J-345	10.0	PVC	120.0	0.000	4.1	0.02
P-487	341	J-262	J-349	6.0	PVC	120.0	0.500	0.5	0.01
P-488	316	J-349	J-264	6.0	PVC	120.0	0.000	0.5	0.01
P-489	154	J-261	J-350	6.0	PVC	120.0	1.280	0.4	0.00
P-490	682	J-350	J-265	6.0	PVC	120.0	0.800	0.4	0.00
P-495	627	J-260	J-353	6.0	PVC	120.0	0.200	0.9	0.01
P-497	403	J-353	J-354	6.0	PVC	120.0	0.000	0.9	0.01
P-498	479	J-354	J-351	6.0	PVC	120.0	0.000	0.9	0.01
P-499	386	J-351	J-355	6.0	PVC	120.0	0.000	0.9	0.01
P-500	422	J-355	J-352	6.0	PVC	120.0	0.000	0.9	0.01
P-501	365	J-352	J-356	6.0	PVC	120.0	0.000	0.9	0.01
P-502	390	J-356	J-261	6.0	PVC	120.0	0.350	0.9	0.01
P-503	404	J-109	J-357	8.0	PVC	120.0	0.000	14.3	0.09
P-505	471	J-357	J-358	8.0	PVC	120.0	0.200	8.7	0.06
P-506	424	J-358	J-110	8.0	PVC	120.0	0.750	8.7	0.06
P-507	436	J-98	J-359	8.0	PVC	120.0	0.500	0.0	0.00
P-509(1)	92	J-359	PRV-18	8.0	PVC	120.0	0.100	(N/A)	(N/A)
P-509(2)	380	PRV-18	J-360	8.0	PVC	120.0	0.100	(N/A)	(N/A)
P-510	426	J-360	J-106	8.0	PVC	120.0	0.350	0.0	0.00
P-513	310	J-361	J-362	8.0	PVC	120.0	0.000	97.6	0.62
P-514	302	J-362	J-208	8.0	PVC	120.0	0.000	97.6	0.62
P-515	308	J-107	J-363	8.0	PVC	120.0	0.000	95.8	0.61
P-516	308	J-363	J-361	8.0	PVC	120.0	0.000	95.8	0.61
P-517	384	J-82	J-364	8.0	PVC	120.0	0.000	34.6	0.22
P-518	386	J-364	J-83	8.0	PVC	120.0	0.350	34.6	0.22
P-519	369	J-84	J-365	3.0	PVC	120.0	0.800	1.4	0.06
P-520	371	J-365	J-86	3.0	PVC	120.0	0.500	1.4	0.06
P-521	378	J-83	J-366	8.0	PVC	120.0	1.280	11.6	0.07
P-522	385	J-366	J-58	8.0	PVC	120.0	0.750	11.6	0.07
P-523	380	J-36	J-367	6.0	PVC	120.0	0.000	31.0	0.35
P-524	387	J-367	J-37	6.0	PVC	120.0	0.500	20.9	0.24
P-525	387	J-53	J-368	8.0	PVC	120.0	0.750	30.6	0.19
P-527	111	J-135	J-369	6.0	PVC	120.0	1.280	2.0	0.02
P-528	357	J-369	J-145	6.0	PVC	120.0	1.280	2.0	0.02
P-530	362	J-370	J-109	8.0	PVC	120.0	0.350	9.9	0.06
P-531	391	J-119	J-113	8.0	PVC	120.0	0.750	11.6	0.07
P-532	364	J-113	J-443	8.0	PVC	120.0	0.750	23.5	0.15
P-533	399	J-113	J-372	8.0	PVC	120.0	0.350	12.3	0.08
P-534	393	J-372	J-114	8.0	PVC	120.0	0.500	11.5	0.07
P-535	361	J-73	J-373	6.0	PVC	120.0	0.000	23.3	0.26
P-536	379	J-373	J-74	6.0	PVC	120.0	0.500	14.1	0.16
P-537	400	J-74	J-374	6.0	PVC	120.0	0.000	16.3	0.19
P-538	391	J-374	J-75	6.0	PVC	120.0	0.500	9.9	0.11
P-539	371	J-19	J-375	8.0	PVC	120.0	0.500	2.3	0.01
P-540	327	J-375	J-299	8.0	PVC	120.0	0.100	2.3	0.01
P-541	386	J-92	J-376	8.0	PVC	120.0	0.750	4.9	0.03
P-542	393	J-376	J-99	8.0	PVC	120.0	0.750	10.5	0.07
P-543	528	J-182	J-377	2.0	PVC	120.0	0.200	1.7	0.17
P-544	257	J-377	J-183	2.0	PVC	120.0	0.800	1.7	0.17
P-546	140	J-378	J-206	6.0	PVC	120.0	1.280	16.6	0.19
P-547	472	J-213	J-379	6.0	PVC	120.0	0.500	12.9	0.15
P-548	362	J-379	J-378	6.0	PVC	120.0	0.350	16.6	0.19
P-549	223	J-207	J-380	6.0	PVC	120.0	1.280	21.9	0.25
P-551	307	J-380	J-381	6.0	PVC	120.0	0.350	21.9	0.25
P-553	303	J-381	J-382	6.0	PVC	120.0	0.000	16.4	0.19
P-554	345	J-382	J-212	6.0	PVC	120.0	0.350	16.4	0.19
P-556	58	City Hill Tank	J-30	12.0	PVC	120.0	0.000	466.5	1.32
P-559	327	J-2	J-385	6.0	PVC	120.0	0.000	0.0	0.00
P-560	375	J-385	J-291	6.0	PVC	120.0	0.000	0.0	0.00
P-569(1)	42	J-283	PRV-16	8.0	PVC	120.0	0.000	(N/A)	(N/A)
P-569(2)	35	PRV-16	J-392	8.0	PVC	120.0	0.000	(N/A)	(N/A)
P-571	18	R-7	GPV-1	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-572	13	GPV-1	Well 3	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-573	16	Well 3	J-157	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-574	52	R-8	GPV-2	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-575	55	GPV-2	Well 1	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-576	49	Well 1	J-82	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-577	37	R-9	GPV-3	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-578	31	GPV-3	Well 2	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-579	26	Well 2	J-90	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-601	86	Airport GST	Airport-3	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-602	119	Airport-3	J-391	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-603	62	J-391	J-260	16.0	PVC	120.0	0.000	0.9	0.00
P-604	111	Airport GST	Airport-1	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-605	99	Airport-1	J-391	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-611	10	J-392	J-387	8.0	PVC	120.0	0.800	63.9	0.41
P-616	96	Airport GST	Airport-2	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-617	93	Airport-2	J-391	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-631	534	J-1409	J-241	10.0	PVC	120.0	0.000	0.0	0.00
P-690	371	J-291	J-51	6.0	PVC	120.0	0.500	0.0	0.00
P-692	354	J-30	J-421	12.0	PVC	120.0	0.800	466.5	1.32
P-717	62	J-23	J-426	8.0	PVC	120.0	0.350	0.0	0.00
P-718	66	J-426	J-157	8.0	PVC	120.0	1.280	(N/A)	(N/A)

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-741	389	J-431	J-370	8.0	PVC	120.0	0.000	16.3	0.10
P-742	391	J-125	J-431	6.0	PVC	120.0	1.280	2.4	0.03
P-743	399	J-129	J-431	8.0	PVC	120.0	0.350	18.7	0.12
P-748	385	J-66	J-51	8.0	PVC	120.0	0.750	94.0	0.60
P-750	162	J-290	J-158	8.0	PVC	120.0	0.350	49.9	0.32
P-751	375	J-21	J-168	6.0	PVC	120.0	0.000	21.4	0.24
P-763	381	J-444	J-372	12.0	PVC	120.0	1.280	9.8	0.03
P-765	741	J-32	J-432	12.0	PVC	120.0	1.280	0.0	0.00
P-766	192	J-31	J-52	8.0	PVC	120.0	0.750	138.0	0.88
P-789	111	J-72	J-435	6.0	PVC	120.0	0.350	3.2	0.04
P-790	398	J-435	J-73	6.0	PVC	120.0	0.500	3.2	0.04
P-791	124	J-304	J-469	6.0	PVC	120.0	1.280	18.4	0.21
P-792	359	J-154	J-153	6.0	PVC	120.0	0.800	0.0	0.00
P-794	384	J-160	J-162	8.0	PVC	120.0	0.500	13.1	0.08
P-795	394	J-124	J-129	6.0	PVC	120.0	1.280	6.3	0.07
P-796	379	J-113	J-171	8.0	PVC	120.0	0.500	0.4	0.00
P-797	391	J-443	J-444	8.0	PVC	120.0	0.350	26.2	0.17
P-798	401	J-444	J-102	8.0	PVC	120.0	0.500	16.5	0.11
P-799	377	J-32	J-12	8.0	PVC	120.0	0.750	67.3	0.43
P-809	38	J-299	J-436	2.0	PVC	120.0	0.000	2.3	0.23
P-810	432	J-436	J-79	2.0	PVC	120.0	0.500	2.3	0.23
P-813	150	J-368	J-441	8.0	PVC	120.0	0.000	30.6	0.19
P-814	227	J-441	J-63	8.0	PVC	120.0	1.280	30.6	0.19
P-815	90	J-81	J-439	8.0	PVC	120.0	0.000	74.2	0.47
P-816	80	J-439	J-79	8.0	PVC	120.0	0.000	74.2	0.47
P-863(1)(1)	431	J-493	J-1506	16.0	PVC	120.0	0.350	0.0	0.00
P-863(1)(2)	102	J-1506	J-1204	16.0	PVC	120.0	0.350	223.4	0.36
P-863(2)	313	J-1204	J-235	16.0	PVC	120.0	0.000	223.4	0.36
P-871(1)(1)(1)(1)	385	J-498	J-1101	12.0	PVC	120.0	0.350	0.0	0.00
P-871(1)(1)(1)(2)(1)	118	J-1101	J-1570	12.0	PVC	120.0	0.000	0.0	0.00
P-871(1)(1)(1)(2)(2)	127	J-1570	J-1100	12.0	PVC	120.0	0.000	0.0	0.00
P-871(1)(1)(2)	878	J-1100	J-1065	12.0	PVC	120.0	0.000	0.0	0.00
P-871(1)(2)(1)(1)	270	J-1065	J-1573	12.0	PVC	120.0	0.500	0.0	0.00
P-871(1)(2)(1)(2)	165	J-1573	J-1066	12.0	PVC	120.0	0.000	299.0	0.85
P-871(1)(2)(2)	1,127	J-1066	J-1038	12.0	PVC	120.0	0.000	299.0	0.85
P-871(2)(1)	370	J-1038	J-1039	12.0	PVC	120.0	0.100	299.0	0.85
P-871(2)(2)	327	J-1039	J-500	12.0	PVC	120.0	0.500	299.0	0.85
P-872(1)(1)(1)(1)(1)(1)	547	J-500	J-1563	12.0	PVC	120.0	0.000	299.0	0.85
P-872(1)(1)(1)(1)(1)(2)	52	J-1563	J-1020	12.0	PVC	120.0	0.000	299.0	0.85
P-872(1)(1)(1)(1)(2)	457	J-1020	J-1013	12.0	PVC	120.0	0.500	299.0	0.85
P-872(1)(1)(1)(2)	113	J-1013	J-995	12.0	PVC	120.0	0.000	598.0	1.70
P-872(1)(1)(2)	386	J-995	J-993	12.0	PVC	120.0	0.000	598.0	1.70
P-872(1)(2)	480	J-993	J-991	12.0	PVC	120.0	0.000	598.0	1.70
P-872(2)	192	J-991	J-227	12.0	PVC	120.0	0.000	598.0	1.70
P-889	51	J-507	J-250	12.0	PVC	120.0	0.000	371.2	1.05
P-890	13	J-507	T-28	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-891	21	R-16	PMP-24	16.0	PVC	120.0	0.000	1,790.5	2.86
P-892	30	PMP-24	Medina Valley Tank	16.0	PVC	120.0	0.000	1,790.5	2.86
P-895	16	J-508	PMP-26	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-896	12	PMP-26	J-509	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-897	26	J-508	PMP-27	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-898	18	PMP-27	J-509	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-903	13	J-509	J-507	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-904	14	Medina Valley Tank	J-508	16.0	PVC	120.0	0.000	371.2	0.59
P-905	11	J-508	PMP-25	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-907	16	PMP-25	J-509	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-910(1)	203	J-507	PRV-13	16.0	PVC	120.0	0.800	(N/A)	(N/A)
P-910(2)	142	PRV-13	J-235	16.0	PVC	120.0	0.800	(N/A)	(N/A)
P-927	13	J-507	T-29	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-932	273	Alsatian Oaks Tank	J-875	36.0	PVC	120.0	0.750	2,424.7	0.76
P-934	202	R-19	Alsatian Oaks Tank	24.0	PVC	120.0	0.000	98,611.7	69.94
P-1271	605	J-493	J-1116	16.0	PVC	120.0	0.300	0.0	0.00
P-1424	14	J-509	J-1224	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1425	10	J-1224	T-28	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1426	11	J-1224	T-29	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1493	37	City Tank	J-392	12.0	PVC	120.0	0.000	63.9	0.18
P-1495(1)(1)(1)	620	J-1286	J-1385	16.0	PVC	120.0	0.000	135.3	0.22
P-1495(1)(1)(2)	437	J-1385	J-1384	16.0	PVC	120.0	0.050	619.3	0.99
P-1495(1)(2)	337	J-1384	J-1380	16.0	PVC	120.0	0.050	619.3	0.99
P-1495(2)(1)	289	J-1380	J-1381	16.0	PVC	120.0	0.000	619.3	0.99
P-1495(2)(2)(1)(2)	1,559	J-1383	J-1382	16.0	PVC	120.0	0.000	619.3	0.99
P-1495(2)(2)(2)	1,307	J-1382	J-905	16.0	PVC	120.0	0.050	619.3	0.99
P-1575	362	J-1286	J-1386	16.0	PVC	120.0	0.000	135.3	0.22
P-1596	33	J-652	J-655	16.0	PVC	120.0	0.350	716.1	1.14
P-1616	906	J-464	J-208	8.0	PVC	120.0	0.300	97.6	0.62
P-1617	909	J-463	J-464	8.0	PVC	120.0	0.350	97.6	0.62
P-1617	690	J-655	J-1446	16.0	PVC	120.0	1.280	221.3	0.35
P-1618	293	J-1386	J-463	8.0	PVC	120.0	0.000	119.7	0.76
P-1618	890	J-1446	J-1447	16.0	PVC	120.0	0.100	221.3	0.35
P-1619	220	J-1293	J-1386	8.0	PVC	120.0	0.000	15.6	0.10
P-1619(1)	94	J-1447	J-1464	16.0	PVC	120.0	0.000	221.3	0.35
P-1619(2)	144	J-1464	J-1448	16.0	PVC	120.0	0.050	221.3	0.35

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-1620	253	J-462	J-1293	8.0	PVC	120.0	0.000	15.6	0.10
P-1620	327	J-1448	J-1449	16.0	PVC	120.0	0.050	221.3	0.35
P-1621	802	J-486	J-462	8.0	PVC	120.0	0.300	15.6	0.10
P-1621(1)	270	J-1449	J-1465	16.0	PVC	120.0	0.500	221.3	0.35
P-1621(2)	227	J-1465	J-1450	12.0	PVC	120.0	0.000	236.6	0.67
P-1622	555	J-455	J-486	6.0	PVC	120.0	0.000	11.0	0.13
P-1622(1)	178	J-1450	J-1468	12.0	PVC	120.0	0.000	236.6	0.67
P-1622(2)	146	J-1468	J-1451	12.0	PVC	120.0	0.350	236.6	0.67
P-1623	102	J-455	J-456	6.0	PVC	120.0	0.000	11.0	0.13
P-1623	94	J-1451	J-1452	12.0	PVC	120.0	0.000	236.6	0.67
P-1624	306	J-456	J-465	4.0	PVC	120.0	0.200	11.0	0.28
P-1624	132	J-1452	J-1453	12.0	PVC	120.0	0.000	236.6	0.67
P-1625	377	J-465	J-448	4.0	PVC	120.0	0.000	6.4	0.16
P-1625(1)	1,153	J-1453	J-1471	12.0	PVC	120.0	0.000	236.6	0.67
P-1625(2)	255	J-1471	J-1454	12.0	PVC	120.0	0.100	236.6	0.67
P-1626	271	J-448	J-466	4.0	PVC	120.0	0.000	6.4	0.16
P-1627	345	J-466	J-458	4.0	PVC	120.0	0.350	6.4	0.16
P-1628	357	J-458	J-468	3.0	PVC	120.0	0.000	3.7	0.17
P-1628	172	J-1454	J-1457	12.0	PVC	120.0	0.500	236.6	0.67
P-1629	1,046	J-1457	J-1458	16.0	PVC	120.0	0.750	619.3	0.99
P-1630	369	J-468	J-460	3.0	PVC	120.0	0.000	3.7	0.17
P-1630	877	J-1458	J-1459	16.0	PVC	120.0	0.000	619.3	0.99
P-1631	313	J-460	J-461	2.0	PVC	120.0	0.800	3.7	0.38
P-1631	793	J-1459	J-905	16.0	PVC	120.0	0.050	619.3	0.99
P-1632	250	J-458	J-459	2.0	PVC	120.0	1.280	2.8	0.28
P-1633	390	J-188	J-234	10.0	PVC	120.0	0.000	37.4	0.15
P-1634	419	J-501	J-303	6.0	PVC	120.0	0.500	25.3	0.29
P-1635	489	J-651	J-236	16.0	PVC	120.0	0.300	716.1	1.14
P-1636	172	J-655	J-328	16.0	PVC	120.0	0.000	494.9	0.79
P-1636	458	J-1465	J-1466	8.0	PVC	120.0	0.750	134.8	0.86
P-1637	122	J-870	J-335	16.0	PVC	120.0	0.000	221.6	0.35
P-1651	304	J-1457	J-1483	12.0	PVC	120.0	0.050	527.0	1.50
P-1652	362	J-1483	J-1484	12.0	PVC	120.0	0.050	527.0	1.50
P-1653	385	J-1484	J-1485	12.0	PVC	120.0	0.050	527.0	1.50
P-1654	275	J-1485	J-1486	12.0	PVC	120.0	0.500	527.0	1.50
P-1654(1)	382	J-1498	J-1484	12.0	PVC	120.0	0.350	0.0	0.00
P-1654(2)	609	J-1498	J-1485	12.0	PVC	120.0	0.000	0.0	0.00
P-1655	183	J-1487	J-1498	12.0	PVC	120.0	1.280	6.0	0.02
P-1662	504	J-1457	J-1494	16.0	PVC	120.0	0.050	328.8	0.52
P-1663	486	J-1494	J-1495	16.0	PVC	120.0	0.050	328.8	0.52
P-1664	507	J-1495	J-1496	16.0	PVC	120.0	0.000	328.8	0.52
P-1665(1)	233	J-1496	J-1513	16.0	PVC	120.0	0.300	328.8	0.52
P-1665(2)	731	J-1513	J-1497	16.0	PVC	120.0	0.000	222.8	0.36
P-1666	566	J-1497	J-1498	16.0	PVC	120.0	0.000	222.8	0.36
P-1667	771	J-1498	J-1499	16.0	PVC	120.0	0.500	222.8	0.36
P-1668	846	J-1499	J-1500	16.0	PVC	120.0	0.000	303.9	0.48
P-1669(1)	256	J-1500	J-1507	16.0	PVC	120.0	0.000	303.9	0.48
P-1669(2)	332	J-1507	J-1501	16.0	PVC	120.0	0.000	303.9	0.48
P-1670	520	J-1501	J-1502	16.0	PVC	120.0	0.050	303.9	0.48
P-1671	318	J-1502	J-1503	16.0	PVC	120.0	0.050	303.9	0.48
P-1672(1)	131	J-1503	J-1519	16.0	PVC	120.0	0.500	303.9	0.48
P-1672(2)	305	J-1519	J-1504	16.0	PVC	120.0	0.050	223.4	0.36
P-1673	490	J-1504	J-1505	16.0	PVC	120.0	0.050	223.4	0.36
P-1674(1)	174	J-1505	J-1525	16.0	PVC	120.0	0.000	223.4	0.36
P-1674(2)	292	J-1525	J-1506	16.0	PVC	120.0	1.280	223.4	0.36
P-1678	723	J-1499	J-1511	8.0	PVC	120.0	0.750	201.9	1.29
P-1679	654	J-1499	J-1512	8.0	PVC	120.0	0.000	120.8	0.77
P-1680(1)	393	J-1513	J-1517	16.0	PVC	120.0	0.500	1,148.8	1.83
P-1680(2)	646	J-1517	J-1514	16.0	PVC	120.0	0.000	1,148.8	1.83
P-1681	841	J-1514	J-1515	16.0	PVC	120.0	0.000	1,534.7	2.45
P-1685	349	J-1519	J-1521	8.0	PVC	120.0	0.000	40.3	0.26
P-1687	362	J-1519	J-1523	8.0	PVC	120.0	0.750	40.3	0.26
P-1704(1)	312	J-1116	PRV-14	12.0	PVC	120.0	0.500	(N/A)	(N/A)
P-1704(2)	46	PRV-14	J-1540	12.0	PVC	120.0	0.500	(N/A)	(N/A)
P-1705	614	J-1540	J-1541	12.0	PVC	120.0	0.050	350.1	0.99
P-1706(1)	190	J-1541	J-1559	12.0	PVC	120.0	0.000	350.1	0.99
P-1706(2)	544	J-1559	J-1542	12.0	PVC	120.0	0.500	175.0	0.50
P-1707	410	J-1542	J-1543	12.0	PVC	120.0	0.500	175.0	0.50
P-1708(1)	115	J-1543	J-1557	12.0	PVC	120.0	0.000	175.0	0.50
P-1708(2)	445	J-1557	J-1544	12.0	PVC	120.0	0.000	175.0	0.50
P-1709(1)	251	J-1544	J-1554	12.0	PVC	120.0	0.000	175.0	0.50
P-1709(2)	311	J-1554	J-1545	12.0	PVC	120.0	0.500	0.0	0.00
P-1710(1)	94	J-1545	J-1551	12.0	PVC	120.0	0.050	0.0	0.00
P-1710(2)	103	J-1551	J-1546	12.0	PVC	120.0	0.050	0.0	0.00
P-1711	328	J-1546	J-1547	12.0	PVC	120.0	0.050	0.0	0.00
P-1712	172	J-1547	J-1548	12.0	PVC	120.0	0.000	0.0	0.00
P-1713	183	J-1548	J-1549	12.0	PVC	120.0	0.100	0.0	0.00
P-1714	202	J-1549	J-1550	12.0	PVC	120.0	0.100	0.0	0.00
P-1721	510	J-1559	J-1560	8.0	PVC	120.0	0.000	87.5	0.56
P-1722	599	J-1559	J-1561	8.0	PVC	120.0	0.750	87.5	0.56
P-1723	924	J-1013	J-1562	8.0	PVC	120.0	0.750	149.5	0.95
P-1729	571	J-1573	J-1574	8.0	PVC	120.0	0.750	149.5	0.95
P-1730	545	J-1573	J-1575	8.0	PVC	120.0	0.000	149.5	0.95
P-1793	495	J-1554	J-1645	8.0	PVC	120.0	0.000	87.5	0.56
P-1794	441	J-1554	J-1646	8.0	PVC	120.0	0.750	87.5	0.56
P-1795	639	J-1013	J-1648	8.0	PVC	120.0	0.000	149.5	0.95

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-1796	516	J-1465	J-1649	8.0	PVC	120.0	0.100	119.5	0.76
P-1797	564	J-1486	J-1650	8.0	PVC	120.0	0.750	181.5	1.16
P-1798	552	J-1486	J-1651	16.0	PVC	120.0	0.100	708.5	1.13
P-1799	357	J-1515	J-875	24.0	PVC	120.0	0.350	2,424.7	1.72
P-1807	222	J-1381	J-1664	16.0	PVC	120.0	0.750	619.3	0.99
P-1808	154	J-1664	J-1383	16.0	PVC	120.0	0.050	619.3	0.99
P-1822	683	J-318	J-1683	12.0	PVC	120.0	0.000	56.6	0.16
P-1823	563	J-216	J-1685	8.0	PVC	120.0	0.800	1.2	0.01
P-1824	380	J-1685	J-1686	8.0	PVC	120.0	0.200	1.2	0.01
P-1825	297	J-1686	J-1687	8.0	PVC	120.0	0.050	1.2	0.01
P-1826	123	J-1687	J-1475	8.0	PVC	120.0	0.100	1.2	0.01
P-1827	519	J-1475	J-1689	8.0	PVC	120.0	0.800	23.7	0.15
P-1828	286	J-1689	J-325	8.0	PVC	120.0	0.350	23.7	0.15
P-1830	1,302	J-1513	J-1691	16.0	PVC	120.0	0.000	597.1	0.95
P-1831	1,151	J-1691	J-1692	16.0	PVC	120.0	0.500	279.7	0.45
P-1832	1,207	J-1692	J-1693	16.0	PVC	120.0	0.000	279.7	0.45
P-1834	1,782	J-1515	J-1651	16.0	PVC	120.0	1.280	890.0	1.42
P-1835	1,767	J-1691	J-1512	16.0	PVC	120.0	0.000	63.2	0.10
P-1836	2,260	J-1511	J-1514	16.0	PVC	120.0	0.000	385.9	0.62
P-1837	1,205	J-1649	J-1691	16.0	PVC	120.0	0.750	254.2	0.41
P-1838	1,297	J-252	J-1540	16.0	PVC	120.0	0.000	350.1	0.56
P-1848	189	Airport GST	J-391	16.0	PVC	120.0	0.000	0.9	0.00
P-1849	31	J-508	J-507	16.0	PVC	120.0	0.000	371.2	0.59

FlexTable: Junction Table

Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-2	868.92	0.0	931.20	26.9
J-3	756.96	0.0	931.26	75.4
J-4	753.28	0.0	931.26	77.0
J-5	754.47	4.1	931.25	76.5
J-6	752.64	0.0	931.16	77.2
J-7	754.00	5.5	931.06	76.6
J-9	756.71	0.0	931.03	75.4
J-10	757.33	5.1	931.01	75.1
J-11	737.39	0.0	931.16	83.8
J-12	756.69	12.9	931.29	75.5
J-13	774.11	0.0	931.29	68.0
J-14	756.47	0.0	931.27	75.6
J-15	757.63	0.0	931.27	75.1
J-16	758.80	0.0	931.27	74.6
J-17	762.03	0.0	931.30	73.2
J-18	769.12	0.0	931.18	70.1
J-19	782.35	14.3	931.09	64.4
J-20	780.09	8.3	931.00	65.3
J-21	774.31	0.0	930.97	67.8
J-22	773.51	17.0	930.94	68.1
J-23	773.00	0.0	930.92	68.3
J-24	772.00	7.4	930.90	68.7
J-25	770.80	5.1	930.89	69.3
J-26	756.00	0.0	931.16	75.8
J-27	757.00	12.4	931.16	75.4
J-28	760.87	0.0	931.16	73.7
J-29	766.90	9.2	931.15	71.1
J-30	907.43	0.0	931.96	10.6
J-31	779.79	0.0	931.40	65.6
J-32	764.44	0.0	931.34	72.2
J-33	759.68	0.0	931.27	74.2
J-34	756.23	0.0	931.06	75.6
J-36	757.00	0.0	930.97	75.3
J-37	758.00	0.0	930.89	74.8
J-38	759.34	7.8	930.85	74.2
J-39	761.11	0.0	930.83	73.4
J-40	756.24	6.0	931.02	75.6
J-41	757.00	0.0	931.02	75.3
J-42	757.00	0.0	931.02	75.3
J-43	762.38	13.8	931.02	73.0
J-45	755.84	6.9	931.02	75.8
J-48	756.66	3.2	931.01	75.4
J-50	757.01	0.0	931.01	75.3
J-51	782.22	0.0	931.20	64.5
J-52	791.57	8.3	931.29	60.4
J-53	756.81	5.5	930.97	75.4
J-54	757.00	0.0	930.93	75.3
J-55	758.00	0.0	930.90	74.8
J-58	760.00	0.0	930.87	73.9
J-59	761.00	11.5	930.85	73.5
J-60	760.84	0.0	930.75	73.5
J-61	757.84	0.0	930.89	74.9
J-62	756.87	0.0	930.97	75.3
J-63	759.00	0.0	930.94	74.4
J-65	757.00	0.0	931.02	75.3
J-66	784.61	0.0	931.09	63.4
J-68	807.49	1.4	931.00	53.4
J-69	811.45	0.0	931.00	51.7
J-71	789.74	0.0	930.98	61.1
J-72	764.83	24.8	930.93	71.9
J-73	761.00	0.0	930.93	73.5
J-74	760.00	0.0	930.88	73.9
J-75	760.00	0.0	930.86	73.9
J-79	762.45	0.0	930.98	72.9
J-80	766.50	0.0	930.95	71.2
J-81	761.13	0.0	930.95	73.5
J-82	759.74	0.0	930.89	74.0
J-83	760.00	16.1	930.86	73.9
J-84	760.00	0.0	930.86	73.9
J-85	762.11	16.6	930.85	73.0
J-86	761.50	0.0	930.85	73.3
J-88	760.85	0.0	930.86	73.6
J-89	762.38	0.0	930.85	72.9
J-90	762.67	(N/A)	(N/A)	(N/A)
J-92	762.00	0.0	930.85	73.1
J-93	762.27	3.7	930.85	72.9
J-94	761.00	0.0	930.85	73.5
J-95	761.13	3.7	930.85	73.4
J-96	738.68	0.0	930.85	83.1
J-97	761.64	0.0	930.85	73.2
J-98	763.00	0.0	930.85	72.6
J-99	764.00	0.0	930.85	72.2
J-100	764.00	0.0	930.85	72.2
J-101	764.03	0.0	930.85	72.2
J-102	760.79	0.0	930.86	73.6
J-103	761.63	19.3	930.85	73.2

FlexTable: Junction Table

Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-104	760.95	0.0	930.85	73.5
J-105	764.00	5.1	930.85	72.2
J-106	783.65	11.0	994.14	91.1
J-107	786.75	0.0	994.14	89.7
J-109	765.72	0.0	930.86	71.4
J-110	765.00	7.8	930.86	71.8
J-111	763.23	0.0	930.86	72.5
J-112	764.26	6.4	930.85	72.1
J-113	763.00	0.0	930.87	72.6
J-114	762.00	0.0	930.86	73.1
J-115	763.22	0.0	930.86	72.5
J-116	765.00	0.0	930.86	71.8
J-117	765.45	0.0	930.86	71.6
J-118	765.00	0.0	930.86	71.8
J-119	762.87	0.0	930.86	72.7
J-120	765.86	12.0	930.86	71.4
J-121	804.38	0.0	930.91	54.7
J-122	783.85	0.0	930.91	63.6
J-123	783.85	0.0	930.90	63.6
J-124	766.00	9.7	930.87	71.3
J-125	765.00	0.0	930.87	71.8
J-126	763.00	0.0	930.87	72.6
J-127	764.12	0.0	930.86	72.1
J-129	764.87	3.2	930.87	71.8
J-130	780.79	0.0	930.90	64.9
J-131	780.16	0.0	930.90	65.2
J-132	790.00	0.0	930.90	61.0
J-133	788.00	7.4	1,030.28	104.8
J-134	789.10	0.0	1,030.28	104.3
J-135	792.83	0.0	1,030.28	102.7
J-136	814.48	0.0	1,030.29	93.4
J-137	826.14	0.0	1,030.32	88.3
J-138	837.92	0.0	1,030.34	83.2
J-139	854.06	0.0	1,030.35	76.3
J-141	865.41	3.7	1,030.35	71.4
J-142	849.01	0.0	1,030.43	78.5
J-143	850.99	0.0	1,030.43	77.6
J-144	852.89	0.0	1,030.43	76.8
J-145	805.20	0.0	1,030.28	97.4
J-146	803.40	0.0	1,030.28	98.2
J-147	822.90	0.0	1,030.35	89.8
J-148	850.84	0.0	1,030.40	77.7
J-149	884.73	0.0	1,030.41	63.0
J-150	935.05	0.0	1,030.41	41.3
J-151	785.98	0.0	930.94	62.7
J-152	802.00	0.0	930.89	55.8
J-153	779.54	0.0	930.90	65.5
J-154	775.15	2.8	930.90	67.4
J-155	807.58	0.0	930.92	53.4
J-156	784.92	0.0	930.92	63.2
J-157	773.56	(N/A)	(N/A)	(N/A)
J-158	789.03	0.0	931.00	61.4
J-159	765.93	0.0	930.87	71.4
J-160	762.11	11.5	930.86	73.0
J-162	763.86	0.0	930.87	72.3
J-163	766.24	0.0	930.87	71.2
J-165	763.00	6.0	930.87	72.6
J-166	761.90	0.0	930.89	73.1
J-167	764.88	0.0	930.93	71.8
J-168	766.55	0.0	930.94	71.1
J-169	765.91	0.0	930.93	71.4
J-170	765.73	0.0	930.87	71.4
J-171	762.36	8.7	930.87	72.9
J-172	763.00	0.0	930.86	72.6
J-173	761.00	0.0	930.87	73.5
J-174	760.36	0.0	930.88	73.8
J-175	742.22	0.0	930.86	81.6
J-176	753.87	4.6	930.09	76.2
J-177	756.00	0.0	930.27	75.4
J-178	755.00	0.0	930.27	75.8
J-179	756.00	0.0	930.34	75.4
J-180	757.28	0.0	930.38	74.9
J-181	756.51	2.3	930.30	75.2
J-182	759.32	7.4	930.70	74.1
J-183	769.88	0.0	930.59	69.5
J-184	780.48	0.0	930.59	64.9
J-185	764.04	0.0	930.70	72.1
J-186	764.38	3.2	930.74	72.0
J-187	787.66	0.0	994.05	89.3
J-188	786.80	0.0	994.11	89.7
J-189	787.86	0.0	994.01	89.2
J-190	794.65	0.0	993.99	86.2
J-191	788.24	0.0	993.98	89.0
J-192	767.62	0.0	993.96	97.9
J-193	766.56	0.0	993.96	98.4
J-194	769.88	0.0	994.02	97.0

FlexTable: Junction Table

Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-196	769.96	0.0	994.02	96.9
J-197	766.35	0.0	993.96	98.5
J-198	766.22	0.0	993.96	98.5
J-199	765.97	0.0	993.96	98.6
J-200	765.07	0.9	993.96	99.0
J-201	763.00	0.0	993.96	99.9
J-202	766.71	0.0	993.96	98.3
J-203	784.40	0.0	994.01	90.7
J-204	784.30	0.0	994.01	90.7
J-205	785.00	0.0	994.01	90.4
J-206	777.79	0.0	994.05	93.6
J-207	783.05	0.0	994.08	91.3
J-208	796.75	0.0	994.49	85.6
J-209	789.80	3.7	994.14	88.4
J-210	770.11	0.0	994.14	96.9
J-211	795.05	0.0	994.14	86.1
J-212	785.16	0.0	994.02	90.4
J-213	784.19	5.5	994.01	90.8
J-214	784.00	6.0	994.00	90.9
J-215	782.38	0.0	994.00	91.6
J-216	781.47	0.0	994.00	92.0
J-217	784.00	1.4	994.01	90.9
J-218	783.00	3.2	994.00	91.3
J-219	782.00	2.8	994.00	91.7
J-221	782.43	6.4	994.01	91.5
J-222	781.43	0.0	994.01	92.0
J-223	777.49	0.0	994.03	93.7
J-224	779.13	0.0	994.05	93.0
J-225	780.95	0.0	994.08	92.2
J-226	781.68	0.0	994.09	91.9
J-227	783.10	12.4	994.12	91.3
J-228	783.73	2.8	994.01	91.0
J-229	782.78	2.8	994.01	91.4
J-230	780.52	5.1	994.03	92.4
J-231	787.09	5.5	994.05	89.5
J-232	792.98	5.1	994.07	87.0
J-233	784.52	0.0	994.09	90.7
J-234	785.73	3.7	994.12	90.2
J-235	772.34	1.8	997.06	97.2
J-236	778.00	0.0	996.53	94.5
J-237	768.50	0.0	996.96	98.8
J-238	770.53	0.0	930.84	69.4
J-239	769.23	2.8	930.84	69.9
J-240	767.53	0.0	930.84	70.7
J-241	763.05	0.0	930.84	72.6
J-242	762.97	0.0	930.84	72.6
J-243	759.76	0.0	930.84	74.0
J-250	769.68	0.0	931.97	70.2
J-251	767.29	0.0	931.29	71.0
J-252	770.05	0.0	930.04	69.2
J-253	767.63	0.0	930.71	70.6
J-254	766.80	4.6	930.73	70.9
J-255	765.00	0.0	930.98	71.8
J-256	765.00	0.0	930.84	71.8
J-257	762.83	0.0	930.98	72.7
J-258	771.60	0.0	932.00	69.4
J-259	769.94	0.0	932.00	70.1
J-260	769.58	0.0	932.00	70.3
J-261	761.47	0.0	932.00	73.8
J-262	759.41	0.0	932.00	74.7
J-263	761.00	0.9	932.00	74.0
J-264	761.00	0.0	932.00	74.0
J-265	760.27	0.0	932.00	74.3
J-266	757.85	0.0	931.06	74.9
J-267	760.91	1.4	993.84	100.8
J-268	764.86	0.0	930.93	71.8
J-269	802.53	0.0	1,030.29	98.5
J-270	814.36	0.0	1,030.34	93.4
J-271	817.10	12.0	1,030.32	92.3
J-272	830.89	9.7	1,030.34	86.3
J-273	854.25	0.0	1,030.37	76.2
J-274	932.55	6.4	1,030.41	42.3
J-276	907.96	0.0	1,030.41	53.0
J-277	867.37	0.0	1,030.42	70.5
J-278	848.29	6.9	1,030.40	78.8
J-279	832.40	0.0	1,030.38	85.7
J-280	808.19	11.0	1,030.28	96.1
J-281	800.67	3.7	1,030.28	99.3
J-282	826.29	3.2	1,030.44	88.3
J-283	807.55	0.0	930.94	53.4
J-284	798.34	11.5	930.92	57.4
J-285	794.20	0.0	930.91	59.1
J-286	791.55	10.6	930.89	60.3
J-287	770.97	0.0	930.88	69.2
J-288	769.75	0.0	930.89	69.7
J-289	802.32	6.0	930.99	55.7

FlexTable: Junction Table

Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-290	789.08	0.0	931.01	61.4
J-291	822.29	0.0	931.20	47.1
J-293	766.95	0.0	931.29	71.1
J-294	754.23	7.4	931.26	76.6
J-295	755.00	0.0	931.05	76.2
J-297	759.11	0.0	931.09	74.4
J-298	769.62	0.0	931.08	69.9
J-299	769.00	0.0	931.09	70.1
J-300	725.00	0.0	930.79	89.0
J-301	767.16	6.9	930.65	70.7
J-302	759.31	0.0	930.52	74.1
J-303	759.00	5.1	930.44	74.2
J-304	755.56	0.0	930.34	75.6
J-305	779.19	0.0	930.74	65.6
J-306	788.48	0.0	930.74	61.6
J-307	788.55	6.4	930.74	61.5
J-308	787.07	0.0	930.74	62.2
J-309	785.65	0.0	930.74	62.8
J-310	787.81	0.0	993.99	89.2
J-311	779.53	0.0	993.97	92.8
J-312	778.19	0.0	993.96	93.4
J-313	785.90	11.0	993.96	90.0
J-314	787.00	0.0	993.98	89.5
J-315	768.00	0.0	993.96	97.8
J-317	767.77	0.0	993.96	97.9
J-318	766.26	0.0	993.93	98.5
J-319	783.02	4.6	994.02	91.3
J-322	785.00	4.1	994.01	90.4
J-323	779.72	6.4	994.01	92.7
J-324	778.17	6.0	994.01	93.4
J-325	776.29	3.2	994.02	94.2
J-326	781.97	1.8	995.18	92.2
J-327	777.41	6.4	996.05	94.6
J-328	776.11	0.0	996.70	95.4
J-329	773.32	0.0	996.80	96.7
J-330	769.92	0.0	996.90	98.2
J-331	764.47	0.0	996.93	100.6
J-332	766.17	0.0	996.95	99.8
J-333	773.00	0.5	997.01	96.9
J-334	771.22	0.0	996.99	97.7
J-335	773.00	0.0	997.04	96.9
J-336	767.04	0.0	930.84	70.9
J-337	768.31	0.0	930.84	70.3
J-338	765.63	0.0	930.84	71.5
J-339	764.11	0.0	930.98	72.2
J-340	767.51	0.0	931.21	70.8
J-341	766.52	10.1	931.09	71.2
J-342	761.87	0.0	930.84	73.1
J-343	763.68	0.0	930.84	72.3
J-344	761.00	0.0	930.84	73.5
J-345	762.48	0.0	930.84	72.8
J-346	761.47	2.3	930.84	73.3
J-347	763.07	1.4	930.84	72.6
J-349	760.66	0.0	932.00	74.1
J-350	761.01	0.0	932.00	74.0
J-351	765.11	0.0	932.00	72.2
J-352	764.26	0.0	932.00	72.6
J-353	767.56	0.0	932.00	71.1
J-354	766.48	0.0	932.00	71.6
J-355	764.51	0.0	932.00	72.5
J-356	762.57	0.0	932.00	73.3
J-357	767.08	5.5	930.86	70.9
J-358	763.14	0.0	930.86	72.6
J-359	732.00	0.0	930.85	86.0
J-360	766.71	0.0	994.14	98.4
J-361	793.03	1.8	994.31	87.1
J-362	795.08	0.0	994.40	86.2
J-363	790.96	0.0	994.23	87.9
J-364	761.00	0.0	930.88	73.5
J-365	759.00	0.0	930.86	74.4
J-366	759.00	0.0	930.86	74.4
J-367	757.00	10.1	930.92	75.2
J-368	757.67	0.0	930.95	75.0
J-369	796.46	0.0	1,030.28	101.2
J-370	764.19	6.4	930.86	72.1
J-372	764.00	10.6	930.86	72.2
J-373	760.05	9.2	930.90	73.9
J-374	762.31	6.4	930.87	72.9
J-375	779.95	0.0	931.09	65.4
J-376	763.00	5.5	930.85	72.6
J-377	761.04	0.0	930.63	73.4
J-378	782.47	0.0	994.04	91.5
J-379	785.00	3.7	994.03	90.4
J-380	787.73	0.0	994.07	89.3
J-381	787.55	5.5	994.04	89.3
J-382	786.57	0.0	994.03	89.8

FlexTable: Junction Table

Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-385	864.99	0.0	931.20	28.6
J-387	809.56	0.0	1,030.45	95.6
J-391	769.00	0.0	932.00	70.5
J-392	808.99	0.0	1,030.45	95.8
J-421	852.76	0.0	931.68	34.1
J-426	773.76	0.0	930.92	68.0
J-431	764.00	0.0	930.87	72.2
J-432	861.91	0.0	931.34	30.0
J-435	764.04	0.0	930.93	72.2
J-436	768.68	0.0	931.08	70.3
J-439	762.11	0.0	930.97	73.1
J-441	759.57	0.0	930.95	74.1
J-443	761.00	0.0	930.87	73.5
J-444	763.00	0.0	930.86	72.6
J-445	797.55	0.0	931.00	57.7
J-448	808.93	0.0	995.04	80.5
J-455	784.91	0.0	995.11	90.9
J-456	788.01	0.0	995.11	89.6
J-458	818.10	0.0	995.01	76.5
J-459	825.00	2.8	994.92	73.5
J-460	814.71	0.0	994.95	78.0
J-461	813.75	3.7	994.77	78.3
J-462	783.00	0.0	995.13	91.8
J-463	795.45	22.1	995.01	86.3
J-464	801.02	0.0	994.75	83.8
J-465	804.18	4.6	995.06	82.6
J-466	810.63	0.0	995.02	79.8
J-468	816.55	0.0	994.98	77.2
J-469	757.85	18.4	930.33	74.6
J-486	782.56	4.6	995.12	92.0
J-493	772.02	0.0	997.08	97.4
J-498	773.27	0.0	991.83	94.6
J-500	779.00	0.0	992.46	92.4
J-501	757.97	0.0	930.40	74.6
J-507	769.85	0.0	931.99	70.2
J-508	769.60	0.0	932.00	70.3
J-509	769.78	(N/A)	(N/A)	(N/A)
J-651	776.33	0.0	996.33	95.2
J-652	777.13	0.0	996.65	95.0
J-655	777.00	0.0	996.67	95.0
J-870	773.00	0.0	997.03	96.9
J-875	853.58	0.0	999.97	63.3
J-905	785.77	0.0	996.45	91.2
J-991	783.00	0.0	993.91	91.2
J-993	782.04	0.0	993.36	91.4
J-995	781.82	0.0	992.92	91.3
J-1013	781.15	0.0	992.79	91.6
J-1020	780.39	0.0	992.65	91.8
J-1038	779.63	0.0	992.23	92.0
J-1039	780.01	0.0	992.35	91.9
J-1065	777.21	0.0	991.83	92.9
J-1066	777.46	0.0	991.88	92.8
J-1100	775.12	0.0	991.83	93.8
J-1101	774.34	0.0	991.83	94.1
J-1116	774.00	0.0	997.08	96.5
J-1204	772.36	0.0	997.08	97.2
J-1224	769.83	(N/A)	(N/A)	(N/A)
J-1286	804.00	0.0	995.14	82.7
J-1293	786.19	0.0	995.13	90.4
J-1380	794.82	0.0	995.38	86.8
J-1381	791.17	0.0	995.47	88.4
J-1382	785.00	0.0	996.06	91.3
J-1383	787.32	0.0	995.59	90.1
J-1384	798.09	0.0	995.28	85.3
J-1385	801.35	483.9	995.15	83.8
J-1386	790.35	0.0	995.13	88.6
J-1409	764.00	0.0	930.84	72.2
J-1446	772.40	0.0	996.70	97.0
J-1447	772.39	0.0	996.74	97.1
J-1448	773.86	0.0	996.75	96.4
J-1449	774.45	0.0	996.77	96.2
J-1450	775.68	0.0	996.83	95.7
J-1451	775.72	0.0	996.90	95.7
J-1452	775.19	0.0	996.91	95.9
J-1453	773.86	0.0	996.94	96.5
J-1454	804.19	0.0	997.23	83.5
J-1457	805.93	0.0	997.27	82.8
J-1458	785.84	0.0	996.94	91.3
J-1459	786.17	0.0	996.68	91.1
J-1464	773.19	0.0	996.75	96.7
J-1465	775.10	0.0	996.78	95.9
J-1466	778.27	134.8	996.54	94.4
J-1468	775.76	0.0	996.86	95.7
J-1471	786.10	0.0	997.18	91.3
J-1475	777.41	24.8	994.00	93.7
J-1483	817.23	0.0	997.54	78.0

FlexTable: Junction Table

Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-1484	798.13	0.0	997.87	86.4
J-1484	773.00	0.0	996.76	96.8
J-1485	791.57	0.0	998.22	89.4
J-1485	770.00	0.0	996.76	98.1
J-1486	797.00	0.0	998.48	87.2
J-1487	774.65	0.0	996.76	96.1
J-1494	799.15	0.0	997.31	85.7
J-1495	805.41	0.0	997.36	83.0
J-1496	828.22	0.0	997.41	73.2
J-1497	811.34	0.0	997.40	80.5
J-1498	798.86	0.0	997.37	85.9
J-1498	772.00	6.0	996.76	97.2
J-1499	787.21	0.0	997.34	90.9
J-1500	791.76	0.0	997.27	88.9
J-1501	776.80	0.0	997.22	95.4
J-1502	777.23	0.0	997.18	95.2
J-1503	776.85	0.0	997.15	95.3
J-1504	775.00	0.0	997.13	96.1
J-1505	772.70	0.0	997.11	97.1
J-1506	772.32	0.0	997.08	97.2
J-1507	786.79	0.0	997.25	91.1
J-1511	796.57	184.0	998.15	87.2
J-1512	781.89	184.0	997.06	93.1
J-1513	834.58	0.0	997.43	70.5
J-1514	829.23	0.0	998.43	73.2
J-1515	846.84	0.0	999.77	66.2
J-1517	830.49	0.0	997.82	72.4
J-1519	776.55	0.0	997.14	95.4
J-1521	776.65	40.3	997.12	95.4
J-1523	775.69	40.3	997.12	95.8
J-1525	772.04	0.0	997.10	97.4
J-1540	768.99	0.0	929.91	69.6
J-1541	766.22	0.0	929.65	70.7
J-1542	763.48	0.0	929.51	71.8
J-1543	762.08	0.0	929.46	72.4
J-1544	759.68	0.0	929.39	73.4
J-1545	757.89	0.0	929.36	74.2
J-1546	756.97	0.0	929.36	74.6
J-1547	755.21	0.0	929.36	75.3
J-1548	754.40	0.0	929.36	75.7
J-1549	753.70	0.0	929.36	76.0
J-1550	753.32	0.0	929.36	76.2
J-1551	757.51	0.0	929.36	74.4
J-1554	758.76	0.0	929.36	73.8
J-1557	761.39	0.0	929.44	72.7
J-1559	765.26	0.0	929.57	71.1
J-1560	764.97	87.5	929.45	71.2
J-1561	766.12	87.5	929.43	70.7
J-1562	784.49	149.5	992.20	89.9
J-1563	780.24	0.0	992.63	91.9
J-1570	774.80	0.0	991.83	93.9
J-1573	777.42	0.0	991.83	92.8
J-1574	779.00	149.5	991.46	91.9
J-1575	775.43	149.5	991.48	93.5
J-1645	757.49	87.5	929.25	74.3
J-1646	759.53	87.5	929.26	73.4
J-1648	779.66	149.5	992.39	92.0
J-1649	772.19	134.8	997.00	97.3
J-1650	789.48	181.5	997.96	90.2
J-1651	802.27	181.5	998.69	85.0
J-1664	789.69	0.0	995.54	89.1
J-1683	786.11	56.6	993.92	89.9
J-1685	784.55	0.0	994.00	90.6
J-1686	779.30	0.0	994.00	92.9
J-1687	778.03	0.0	994.00	93.4
J-1689	777.38	0.0	994.01	93.7
J-1691	785.39	0.0	997.07	91.6
J-1692	765.08	0.0	996.99	100.3
J-1693	769.56	0.0	996.90	98.4

PROPOSED SYSTEM
PHF RESULTS

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-2	400	J-4	J-5	6.0	PVC	120.0	0.350	40.5	0.46
P-3	372	J-5	J-6	6.0	PVC	120.0	0.500	137.8	1.56
P-4	406	J-6	J-7	6.0	PVC	120.0	0.500	135.2	1.53
P-6	362	J-7	J-9	6.0	PVC	120.0	0.350	81.0	0.92
P-7	385	J-9	J-10	6.0	PVC	120.0	0.800	50.9	0.58
P-8	595	J-6	J-11	8.0	PVC	120.0	0.000	0.0	0.00
P-9	388	J-12	J-4	6.0	PVC	120.0	1.280	64.5	0.73
P-11	399	J-12	J-14	8.0	PVC	120.0	1.280	113.4	0.72
P-12	388	J-5	J-14	8.0	PVC	120.0	1.280	110.9	0.71
P-13	186	J-14	J-15	8.0	PVC	120.0	0.350	2.5	0.02
P-14	180	J-15	J-16	8.0	PVC	120.0	0.000	5.9	0.04
P-15	395	J-16	J-17	8.0	PVC	120.0	0.750	155.8	0.99
P-16	374	J-17	J-18	8.0	PVC	120.0	0.750	332.6	2.12
P-17	388	J-18	J-19	8.0	PVC	120.0	0.750	281.7	1.80
P-18	400	J-19	J-20	8.0	PVC	120.0	0.750	270.6	1.73
P-19	394	J-20	J-21	8.0	PVC	120.0	0.350	152.2	0.97
P-20	379	J-21	J-22	8.0	PVC	120.0	0.750	154.5	0.99
P-21	373	J-22	J-23	8.0	PVC	120.0	0.350	130.2	0.83
P-22	377	J-23	J-24	8.0	PVC	120.0	0.750	122.9	0.78
P-23	393	J-24	J-25	8.0	PVC	120.0	1.280	72.2	0.46
P-24	375	J-15	J-26	2.0	PVC	120.0	1.280	8.4	0.86
P-25	571	J-26	J-6	8.0	PVC	120.0	0.750	2.7	0.02
P-26	184	J-26	J-27	8.0	PVC	120.0	0.350	11.0	0.07
P-27	393	J-27	J-28	8.0	PVC	120.0	0.750	13.5	0.09
P-28	377	J-28	J-29	8.0	PVC	120.0	1.280	100.6	0.64
P-30	387	J-31	J-17	12.0	PVC	120.0	0.500	851.3	2.41
P-31	385	J-31	J-32	8.0	PVC	120.0	0.350	219.8	1.40
P-32	147	J-33	J-16	6.0	PVC	120.0	0.500	0.0	0.00
P-33	376	J-16	J-27	6.0	PVC	120.0	0.500	149.9	1.70
P-34	404	J-27	J-34	6.0	PVC	120.0	0.350	134.0	1.52
P-35	354	J-34	J-40	6.0	PVC	120.0	0.350	93.9	1.07
P-36	392	J-40	J-36	6.0	PVC	120.0	0.500	95.0	1.08
P-38	387	J-37	J-38	6.0	PVC	120.0	0.350	86.2	0.98
P-39	371	J-38	J-39	6.0	PVC	120.0	0.200	63.2	0.72
P-41	371	J-40	J-41	8.0	PVC	120.0	1.280	10.2	0.06
P-42	27	J-41	J-42	8.0	PVC	120.0	0.350	10.2	0.06
P-43	379	J-42	J-43	8.0	PVC	120.0	0.750	41.6	0.27
P-45	366	J-45	J-295	6.0	PVC	120.0	1.280	76.3	0.87
P-47	360	J-9	J-45	6.0	PVC	120.0	1.280	30.1	0.34
P-48	389	J-45	J-48	6.0	PVC	120.0	0.500	53.1	0.60
P-50	398	J-36	J-48	6.0	PVC	120.0	0.750	77.0	0.87
P-52	358	J-48	J-10	6.0	PVC	120.0	0.000	34.4	0.39
P-53	356	J-48	J-50	2.0	PVC	120.0	0.000	0.0	0.00
P-55	388	J-51	J-18	8.0	PVC	120.0	0.500	116.5	0.74
P-56	185	J-51	J-52	8.0	PVC	120.0	0.000	422.9	2.70
P-57	376	J-17	J-28	8.0	PVC	120.0	0.500	362.9	2.32
P-59	389	J-42	J-53	8.0	PVC	120.0	0.500	217.3	1.39
P-60	381	J-53	J-54	8.0	PVC	120.0	0.000	170.5	1.09
P-61	384	J-54	J-55	8.0	PVC	120.0	0.350	170.5	1.09
P-62	404	J-55	J-58	8.0	PVC	120.0	0.500	152.5	0.97
P-64	386	J-58	J-59	8.0	PVC	120.0	1.280	112.1	0.72
P-65	390	J-59	J-39	8.0	PVC	120.0	0.500	113.8	0.73
P-67	338	J-37	J-61	6.0	PVC	120.0	0.750	0.0	0.00
P-69	375	J-55	J-37	6.0	PVC	120.0	1.280	18.1	0.20
P-70	391	J-58	J-38	2.0	PVC	120.0	1.280	2.5	0.26
P-71	362	J-36	J-62	8.0	PVC	120.0	0.750	70.8	0.45
P-72	29	J-62	J-53	8.0	PVC	120.0	0.350	70.8	0.45
P-75	340	J-43	J-65	6.0	PVC	120.0	0.000	0.0	0.00
P-76	376	J-18	J-29	8.0	PVC	120.0	0.350	167.3	1.07
P-78	383	J-66	J-19	8.0	PVC	120.0	1.280	42.8	0.27
P-80	221	J-43	J-79	8.0	PVC	120.0	0.750	234.5	1.50
P-83	132	J-68	J-69	6.0	PVC	120.0	0.800	0.0	0.00
P-85	384	J-445	J-68	8.0	PVC	120.0	0.350	4.5	0.03
P-87	389	J-71	J-21	8.0	PVC	120.0	0.500	72.3	0.46
P-88	626	J-20	J-72	6.0	PVC	120.0	1.280	91.4	1.04
P-97	395	J-73	J-81	8.0	PVC	120.0	0.750	141.9	0.91
P-99	299	J-80	J-81	3.0	PVC	120.0	0.500	0.0	0.00
P-100	369	J-81	J-63	8.0	PVC	120.0	0.350	100.0	0.64
P-101	366	J-63	J-82	8.0	PVC	120.0	0.350	199.6	1.27
P-103	20	J-83	J-84	8.0	PVC	120.0	0.500	98.1	0.63
P-104	369	J-84	J-85	8.0	PVC	120.0	1.280	69.6	0.44
P-107	374	J-59	J-86	8.0	PVC	120.0	0.350	39.2	0.25
P-109	390	J-86	J-85	8.0	PVC	120.0	0.750	41.7	0.27
P-110	389	J-85	J-88	8.0	PVC	120.0	1.280	26.1	0.17
P-111	368	J-88	J-75	8.0	PVC	120.0	0.350	58.4	0.37
P-112	390	J-75	J-84	8.0	PVC	120.0	0.750	24.0	0.15
P-113	214	J-86	J-89	8.0	PVC	120.0	0.350	7.0	0.04
P-114	166	J-89	J-90	8.0	PVC	120.0	1.280	(N/A)	(N/A)
P-115	178	J-89	J-92	8.0	PVC	120.0	0.500	7.0	0.04
P-116	157	J-92	J-93	8.0	PVC	120.0	0.500	11.2	0.07
P-117	284	J-94	J-95	6.0	PVC	120.0	0.000	0.0	0.00
P-118	491	J-95	J-96	2.0	PVC	120.0	1.280	0.0	0.00
P-119	220	J-95	J-97	6.0	PVC	120.0	0.350	12.0	0.14
P-120	282	J-97	J-93	2.0	PVC	120.0	0.300	0.1	0.01
P-121	432	J-93	J-98	2.0	PVC	120.0	0.300	1.0	0.10
P-122	209	J-97	J-92	8.0	PVC	120.0	0.500	11.9	0.08

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-125	387	J-99	J-100	8.0	PVC	120.0	0.000	9.1	0.06
P-126	34	J-100	J-101	8.0	PVC	120.0	1.280	4.6	0.03
P-127	371	J-102	J-103	8.0	PVC	120.0	0.350	67.5	0.43
P-128	377	J-103	J-100	8.0	PVC	120.0	0.800	4.5	0.03
P-129	291	J-103	J-104	8.0	PVC	120.0	1.280	0.0	0.00
P-130	384	J-88	J-99	8.0	PVC	120.0	0.500	32.3	0.21
P-131	213	J-99	J-105	8.0	PVC	120.0	0.500	7.3	0.05
P-132	421	J-105	J-98	8.0	PVC	120.0	0.300	1.0	0.01
P-134	107	J-106	J-107	8.0	PVC	120.0	0.500	48.0	0.31
P-137	420	J-110	J-111	8.0	PVC	120.0	0.300	13.8	0.09
P-138	420	J-111	J-112	8.0	PVC	120.0	0.300	34.1	0.22
P-139	417	J-112	J-101	8.0	PVC	120.0	0.000	14.7	0.09
P-141	444	J-101	J-105	8.0	PVC	120.0	0.350	10.1	0.06
P-143	606	J-114	J-112	2.0	PVC	120.0	0.500	1.5	0.16
P-144	400	J-114	J-102	6.0	PVC	120.0	0.750	16.2	0.18
P-145	380	J-102	J-75	6.0	PVC	120.0	0.750	2.2	0.02
P-146	379	J-114	J-115	6.0	PVC	120.0	0.750	19.6	0.22
P-147	292	J-115	J-116	6.0	PVC	120.0	0.750	17.4	0.20
P-148	89	J-116	J-117	6.0	PVC	120.0	1.280	17.4	0.20
P-149	429	J-111	J-115	6.0	PVC	120.0	0.500	20.4	0.23
P-150	387	J-115	J-118	6.0	PVC	120.0	0.500	18.1	0.21
P-151	406	J-118	J-119	6.0	PVC	120.0	0.350	19.7	0.22
P-152	372	J-118	J-120	2.0	PVC	120.0	1.280	1.5	0.16
P-154	9	J-122	J-123	6.0	PVC	120.0	0.750	79.6	0.90
P-155	381	J-122	J-24	6.0	PVC	120.0	0.500	26.5	0.30
P-157	385	J-124	J-125	6.0	PVC	120.0	0.500	21.1	0.24
P-158	383	J-125	J-126	6.0	PVC	120.0	0.350	19.3	0.22
P-159	374	J-126	J-127	6.0	PVC	120.0	0.500	18.1	0.21
P-160	406	J-127	J-120	6.0	PVC	120.0	0.350	30.9	0.35
P-161	383	J-120	J-117	6.0	PVC	120.0	0.350	6.5	0.07
P-162	261	J-117	J-110	6.0	PVC	120.0	0.500	10.8	0.12
P-163	392	J-109	J-127	8.0	PVC	120.0	1.280	14.3	0.09
P-164	372	J-127	J-119	8.0	PVC	120.0	0.750	27.1	0.17
P-166	402	J-443	J-74	8.0	PVC	120.0	0.750	79.8	0.51
P-167	397	J-74	J-82	8.0	PVC	120.0	1.280	86.9	0.55
P-170	383	J-25	J-130	8.0	PVC	120.0	0.350	36.1	0.23
P-171	415	J-130	J-131	8.0	PVC	120.0	0.750	9.0	0.06
P-172	363	J-131	J-132	8.0	PVC	120.0	0.350	0.0	0.00
P-173(1)	58	J-132	PRV-15	6.0	PVC	120.0	0.200	(N/A)	(N/A)
P-173(2)	205	PRV-15	J-133	6.0	PVC	120.0	0.200	(N/A)	(N/A)
P-174	263	J-133	J-134	6.0	PVC	120.0	1.280	0.0	0.00
P-175	310	J-133	J-135	6.0	PVC	120.0	0.350	24.0	0.27
P-177	306	J-136	J-137	6.0	PVC	120.0	0.350	72.0	0.82
P-178	322	J-137	J-138	6.0	PVC	120.0	0.350	61.6	0.70
P-179	254	J-138	J-139	6.0	PVC	120.0	0.350	52.6	0.60
P-181	235	J-139	J-141	6.0	PVC	120.0	0.350	12.0	0.14
P-182	22	J-142	J-143	2.0	PVC	120.0	0.750	0.0	0.00
P-183	49	J-143	J-144	2.0	PVC	120.0	0.000	0.0	0.00
P-185	228	J-145	J-146	6.0	PVC	120.0	0.000	0.0	0.00
P-195	384	J-151	J-22	8.0	PVC	120.0	1.280	31.1	0.20
P-196	377	J-130	J-123	8.0	PVC	120.0	0.000	79.6	0.51
P-198	359	J-132	J-153	2.0	PVC	120.0	1.280	0.0	0.00
P-199	359	J-131	J-154	6.0	PVC	120.0	1.280	9.0	0.10
P-201	383	J-156	J-23	8.0	PVC	120.0	0.500	7.3	0.05
P-203	391	J-151	J-71	8.0	PVC	120.0	0.750	167.4	1.07
P-204	256	J-71	J-158	8.0	PVC	120.0	0.000	162.8	1.04
P-205	378	J-122	J-156	8.0	PVC	120.0	0.750	106.1	0.68
P-206	361	J-156	J-151	8.0	PVC	120.0	0.750	136.3	0.87
P-207	380	J-124	J-159	6.0	PVC	120.0	0.750	21.0	0.24
P-210	379	J-162	J-159	8.0	PVC	120.0	0.500	21.0	0.13
P-211	65	J-159	J-163	0.8	PVC	120.0	0.750	0.0	0.00
P-212	378	J-125	J-162	6.0	PVC	120.0	0.750	9.6	0.11
P-213	359	J-162	J-165	6.0	PVC	120.0	0.750	12.0	0.14
P-215	388	J-165	J-166	6.0	PVC	120.0	0.750	64.0	0.73
P-216	399	J-166	J-73	6.0	PVC	120.0	0.750	76.2	0.86
P-217	528	J-166	J-167	6.0	PVC	120.0	0.500	69.9	0.79
P-218	225	J-167	J-168	6.0	PVC	120.0	0.350	69.9	0.79
P-219	112	J-167	J-169	6.0	PVC	120.0	1.280	0.0	0.00
P-220	378	J-165	J-170	8.0	PVC	120.0	0.500	0.0	0.00
P-221	376	J-165	J-171	8.0	PVC	120.0	0.500	32.4	0.21
P-222	75	J-126	J-172	2.0	PVC	120.0	1.280	1.1	0.12
P-223	299	J-172	J-160	3.0	PVC	120.0	0.750	1.1	0.05
P-224	410	J-160	J-171	3.0	PVC	120.0	0.750	2.7	0.12
P-225	181	J-171	J-173	3.0	PVC	120.0	0.000	0.0	0.00
P-226	398	J-166	J-174	8.0	PVC	120.0	0.000	82.2	0.52
P-227	350	J-174	J-443	8.0	PVC	120.0	0.500	82.2	0.52
P-228	370	J-160	J-119	8.0	PVC	120.0	0.500	9.0	0.06
P-229	488	J-110	J-175	2.0	PVC	120.0	0.000	0.0	0.00
P-230	210	J-176	J-177	2.0	PVC	120.0	0.500	15.0	1.53
P-231	386	J-177	J-178	2.0	PVC	120.0	0.300	0.0	0.00
P-232	78	J-177	J-179	2.0	PVC	120.0	0.800	15.0	1.53
P-233	361	J-180	J-181	2.0	PVC	120.0	1.280	7.5	0.77
P-235	220	J-183	J-184	2.0	PVC	120.0	0.750	0.0	0.00
P-239	420	J-185	J-182	6.0	PVC	120.0	1.280	29.5	0.33
P-240	281	J-60	J-186	12.0	PVC	120.0	0.000	177.0	0.50
P-241	143	J-186	J-185	6.0	PVC	120.0	0.350	145.5	1.65

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-243	297	J-187	J-188	6.0	PVC	120.0	1.280	121.9	1.38
P-244	215	J-187	J-189	6.0	PVC	120.0	0.350	121.9	1.38
P-245	218	J-189	J-190	6.0	PVC	120.0	0.350	80.8	0.92
P-248	23	J-192	J-193	6.0	PVC	120.0	1.280	25.2	0.29
P-250	47	J-194	J-196	6.0	PVC	120.0	0.350	106.2	1.20
P-252	84	J-197	J-198	6.0	PVC	120.0	0.500	45.6	0.52
P-253	126	J-197	J-199	6.0	PVC	120.0	0.500	37.2	0.42
P-254	160	J-199	J-192	6.0	PVC	120.0	1.280	15.8	0.18
P-255	434	J-200	J-201	2.0	PVC	120.0	0.500	0.0	0.00
P-258	166	J-193	J-199	8.0	PVC	120.0	0.350	22.2	0.14
P-259	68	J-199	J-198	8.0	PVC	120.0	0.750	0.8	0.01
P-262	150	J-203	J-204	6.0	PVC	120.0	0.000	4.1	0.05
P-264	437	J-194	J-206	8.0	PVC	120.0	0.350	138.7	0.89
P-265	287	J-206	J-207	8.0	PVC	120.0	0.350	192.9	1.23
P-266	294	J-207	J-107	8.0	PVC	120.0	0.350	264.5	1.69
P-268	558	J-106	J-209	6.0	PVC	120.0	1.280	12.0	0.14
P-269	498	J-209	J-210	6.0	PVC	120.0	0.500	0.0	0.00
P-270	651	J-209	J-211	6.0	PVC	120.0	0.000	0.0	0.00
P-272	331	J-212	J-213	6.0	PVC	120.0	1.280	10.7	0.12
P-274	487	J-212	J-214	6.0	PVC	120.0	0.350	42.9	0.49
P-275	313	J-214	J-215	6.0	PVC	120.0	0.350	12.9	0.15
P-276	187	J-215	J-216	6.0	PVC	120.0	0.000	3.9	0.04
P-277	202	J-213	J-217	4.0	PVC	120.0	0.750	4.5	0.11
P-278	305	J-214	J-218	4.0	PVC	120.0	1.280	10.5	0.27
P-279	305	J-215	J-219	4.0	PVC	120.0	1.280	9.0	0.23
P-280	307	J-213	J-204	8.0	PVC	120.0	0.350	30.3	0.19
P-282	492	J-204	J-221	8.0	PVC	120.0	1.280	34.4	0.22
P-283	308	J-221	J-222	8.0	PVC	120.0	0.350	4.4	0.03
P-285	261	J-223	J-224	8.0	PVC	120.0	0.350	149.2	0.95
P-286	261	J-224	J-225	8.0	PVC	120.0	0.350	167.2	1.07
P-287	158	J-225	J-226	8.0	PVC	120.0	0.350	183.7	1.17
P-288	287	J-226	J-227	8.0	PVC	120.0	0.750	183.7	1.17
P-289	304	J-221	J-228	4.0	PVC	120.0	1.280	9.0	0.23
P-290	304	J-222	J-229	4.0	PVC	120.0	1.280	9.0	0.23
P-291	386	J-223	J-230	6.0	PVC	120.0	1.280	16.5	0.19
P-292	387	J-224	J-231	6.0	PVC	120.0	1.280	18.0	0.20
P-293	385	J-225	J-232	6.0	PVC	120.0	1.280	16.5	0.19
P-294	171	J-226	J-233	2.0	PVC	120.0	1.280	0.0	0.00
P-295	565	J-234	J-227	12.0	PVC	120.0	0.500	133.9	0.38
P-301	395	J-238	J-239	8.0	PVC	120.0	0.000	0.0	0.00
P-302	619	J-239	J-240	8.0	PVC	120.0	1.280	0.0	0.00
P-304	308	J-241	J-242	10.0	PVC	120.0	0.300	9.0	0.04
P-312	554	J-250	J-251	10.0	PVC	120.0	1.280	1,210.5	4.94
P-313	653	J-252	J-253	10.0	PVC	120.0	0.000	1,141.5	4.66
P-314	333	J-253	J-254	10.0	PVC	120.0	0.350	257.5	1.05
P-315	275	J-253	J-251	8.0	PVC	120.0	1.280	884.0	5.64
P-317	535	J-255	J-256	8.0	PVC	120.0	1.280	293.5	1.87
P-318	512	J-256	J-254	8.0	PVC	120.0	0.350	272.5	1.74
P-321	238	J-258	J-259	6.0	PVC	120.0	0.800	0.0	0.00
P-322	351	J-258	J-260	16.0	PVC	120.0	0.000	0.0	0.00
P-325	394	J-262	J-263	6.0	PVC	120.0	0.350	3.0	0.03
P-327	337	J-264	J-261	6.0	PVC	120.0	0.000	1.6	0.02
P-329	461	J-265	J-262	6.0	PVC	120.0	0.800	1.4	0.02
P-331	238	J-7	J-266	1.5	PVC	120.0	0.000	0.0	0.00
P-332	462	J-196	J-267	1.5	PVC	120.0	1.280	4.5	0.82
P-333	390	J-40	J-45	8.0	PVC	120.0	1.280	30.8	0.20
P-334	169	J-72	J-268	3.0	PVC	120.0	1.280	0.0	0.00
P-336	436	J-269	J-136	6.0	PVC	120.0	0.800	29.6	0.34
P-338	319	J-270	J-147	6.0	PVC	120.0	0.800	49.4	0.56
P-339	458	J-137	J-271	6.0	PVC	120.0	1.280	10.4	0.12
P-340	512	J-271	J-270	6.0	PVC	120.0	0.000	49.4	0.56
P-341	502	J-147	J-272	6.0	PVC	120.0	1.280	40.4	0.46
P-342	403	J-272	J-138	6.0	PVC	120.0	1.280	8.9	0.10
P-343	414	J-139	J-273	6.0	PVC	120.0	1.280	64.6	0.73
P-344	439	J-273	J-148	6.0	PVC	120.0	0.350	64.6	0.73
P-346	101	J-274	J-150	8.0	PVC	120.0	0.800	0.0	0.00
P-347	539	J-149	J-276	8.0	PVC	120.0	0.350	21.0	0.13
P-348	549	J-276	J-274	8.0	PVC	120.0	0.800	21.0	0.13
P-349	504	J-149	J-277	12.0	PVC	120.0	0.200	198.0	0.56
P-350	349	J-277	J-143	12.0	PVC	120.0	0.000	198.0	0.56
P-351	438	J-148	J-278	12.0	PVC	120.0	0.200	154.5	0.44
P-352	523	J-278	J-149	12.0	PVC	120.0	1.280	177.0	0.50
P-353	183	J-148	J-279	6.0	PVC	120.0	1.280	89.9	1.02
P-354	240	J-279	J-147	6.0	PVC	120.0	0.350	89.9	1.02
P-355	356	J-145	J-280	6.0	PVC	120.0	0.350	6.4	0.07
P-356	416	J-280	J-136	6.0	PVC	120.0	1.280	42.4	0.48
P-357	334	J-135	J-281	6.0	PVC	120.0	0.800	17.6	0.20
P-358	312	J-281	J-269	6.0	PVC	120.0	0.000	29.6	0.34
P-359	676	J-143	J-282	12.0	PVC	120.0	0.500	198.0	0.56
P-361	528	J-282	J-387	12.0	PVC	120.0	0.000	208.5	0.59
P-362	604	J-283	J-151	8.0	PVC	120.0	0.500	0.0	0.00
P-363	371	J-155	J-284	8.0	PVC	120.0	0.000	0.0	0.00
P-364	384	J-284	J-156	8.0	PVC	120.0	0.500	37.5	0.24
P-365	384	J-121	J-285	6.0	PVC	120.0	0.000	0.0	0.00
P-366	389	J-285	J-122	6.0	PVC	120.0	0.500	0.0	0.00
P-367	384	J-152	J-286	8.0	PVC	120.0	0.000	0.0	0.00

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-368	390	J-286	J-130	8.0	PVC	120.0	0.500	34.5	0.22
P-369	362	J-129	J-287	8.0	PVC	120.0	0.350	91.8	0.59
P-370	358	J-287	J-25	8.0	PVC	120.0	0.000	91.8	0.59
P-371	361	J-24	J-288	6.0	PVC	120.0	0.500	53.2	0.60
P-372	367	J-288	J-124	6.0	PVC	120.0	0.500	53.2	0.60
P-373	418	J-445	J-289	8.0	PVC	120.0	1.280	96.3	0.61
P-374	381	J-289	J-71	8.0	PVC	120.0	0.500	76.8	0.49
P-375	379	J-66	J-290	8.0	PVC	120.0	0.350	263.7	1.68
P-376	363	J-290	J-445	8.0	PVC	120.0	1.280	100.8	0.64
P-380	377	J-421	J-31	12.0	PVC	120.0	0.500	1,521.0	4.31
P-381	365	J-13	J-293	8.0	PVC	120.0	0.000	0.0	0.00
P-382	375	J-293	J-12	8.0	PVC	120.0	0.500	0.0	0.00
P-383	374	J-3	J-294	6.0	PVC	120.0	0.000	0.0	0.00
P-384	369	J-294	J-4	6.0	PVC	120.0	0.350	24.0	0.27
P-386	358	J-295	J-7	6.0	PVC	120.0	0.750	36.2	0.41
P-387	399	J-34	J-295	6.0	PVC	120.0	0.500	40.1	0.46
P-389	380	J-28	J-297	8.0	PVC	120.0	0.000	248.8	1.59
P-390	381	J-297	J-42	8.0	PVC	120.0	0.500	248.8	1.59
P-391	375	J-29	J-298	8.0	PVC	120.0	0.000	237.9	1.52
P-392	386	J-298	J-43	8.0	PVC	120.0	0.500	237.9	1.52
P-395	428	J-39	J-300	8.0	PVC	120.0	0.300	177.0	1.13
P-396	440	J-300	J-60	8.0	PVC	120.0	0.000	177.0	1.13
P-397	435	J-183	J-301	6.0	PVC	120.0	0.200	93.5	1.06
P-398	322	J-301	J-185	6.0	PVC	120.0	0.000	116.0	1.32
P-400	522	J-302	J-183	6.0	PVC	120.0	0.500	99.0	1.12
P-401	221	J-180	J-501	6.0	PVC	120.0	0.350	82.5	0.94
P-402	599	J-303	J-302	6.0	PVC	120.0	0.100	99.0	1.12
P-403	547	J-179	J-304	6.0	PVC	120.0	0.800	15.0	0.17
P-404	534	J-304	J-180	6.0	PVC	120.0	0.350	75.0	0.85
P-405	434	J-186	J-305	8.0	PVC	120.0	1.280	21.0	0.13
P-407	291	J-305	J-306	8.0	PVC	120.0	0.350	21.0	0.13
P-409	429	J-306	J-307	8.0	PVC	120.0	0.000	21.0	0.13
P-411	424	J-307	J-308	8.0	PVC	120.0	0.000	0.0	0.00
P-413	358	J-308	J-309	8.0	PVC	120.0	0.800	0.0	0.00
P-414(1)	134	J-309	PRV-17	6.0	PVC	120.0	0.000	(N/A)	(N/A)
P-414(2)	211	PRV-17	J-187	6.0	PVC	120.0	0.000	(N/A)	(N/A)
P-415	498	J-189	J-310	6.0	PVC	120.0	1.280	41.0	0.47
P-416	494	J-310	J-191	6.0	PVC	120.0	0.000	41.0	0.47
P-417	495	J-191	J-311	6.0	PVC	120.0	0.000	41.0	0.47
P-418	379	J-311	J-192	6.0	PVC	120.0	0.350	41.0	0.47
P-419	365	J-198	J-312	8.0	PVC	120.0	1.280	44.8	0.29
P-421	495	J-312	J-313	8.0	PVC	120.0	0.000	44.8	0.29
P-423	491	J-313	J-314	8.0	PVC	120.0	0.000	80.8	0.52
P-424	507	J-314	J-190	8.0	PVC	120.0	0.800	80.8	0.52
P-425	96	J-200	J-315	8.0	PVC	120.0	0.200	3.0	0.02
P-426	182	J-315	J-193	8.0	PVC	120.0	0.800	3.0	0.02
P-427	156	J-202	J-317	8.0	PVC	120.0	0.200	0.0	0.00
P-428	84	J-317	J-200	8.0	PVC	120.0	0.300	0.0	0.00
P-429	592	J-196	J-318	6.0	PVC	120.0	0.000	101.7	1.15
P-430	227	J-318	J-197	6.0	PVC	120.0	0.300	82.8	0.94
P-431	418	J-194	J-319	6.0	PVC	120.0	1.280	32.6	0.37
P-432	448	J-319	J-203	6.0	PVC	120.0	1.280	17.6	0.20
P-433	147	J-203	J-322	4.0	PVC	120.0	0.800	13.5	0.34
P-434	209	J-322	J-205	4.0	PVC	120.0	0.000	0.0	0.00
P-435	397	J-222	J-323	8.0	PVC	120.0	0.200	4.6	0.03
P-437	693	J-323	J-324	8.0	PVC	120.0	0.200	25.6	0.16
P-439	555	J-324	J-325	8.0	PVC	120.0	1.280	45.1	0.29
P-440	284	J-325	J-223	8.0	PVC	120.0	0.350	132.7	0.85
P-441	679	J-227	J-326	12.0	PVC	120.0	0.000	2,308.0	6.55
P-443	549	J-326	J-327	12.0	PVC	120.0	0.350	2,314.0	6.56
P-444	176	J-327	J-651	12.0	PVC	120.0	0.000	2,335.0	6.62
P-445	307	J-236	J-652	16.0	PVC	120.0	0.000	2,335.0	3.73
P-447(1)	262	J-328	J-1487	16.0	PVC	120.0	0.350	1,614.1	2.58
P-447(2)	227	J-1487	J-329	16.0	PVC	120.0	0.000	1,633.6	2.61
P-449	466	J-329	J-330	16.0	PVC	120.0	0.000	1,633.6	2.61
P-451(1)	27	J-330	J-1693	16.0	PVC	120.0	0.000	1,633.6	2.61
P-451(2)	582	J-1693	J-331	16.0	PVC	120.0	0.000	720.5	1.15
P-453	397	J-331	J-332	16.0	PVC	120.0	0.350	720.5	1.15
P-454	387	J-332	J-237	16.0	PVC	120.0	0.000	720.5	1.15
P-457	519	J-237	J-334	16.0	PVC	120.0	0.000	720.5	1.15
P-458	509	J-334	J-333	16.0	PVC	120.0	0.000	720.5	1.15
P-459	450	J-333	J-870	16.0	PVC	120.0	0.000	722.0	1.15
P-460	568	J-335	J-235	16.0	PVC	120.0	0.800	722.0	1.15
P-463	287	J-239	J-337	8.0	PVC	120.0	0.350	9.0	0.06
P-464	381	J-337	J-336	8.0	PVC	120.0	0.000	9.0	0.06
P-465	442	J-336	J-338	8.0	PVC	120.0	0.000	9.0	0.06
P-466	522	J-338	J-241	8.0	PVC	120.0	0.500	9.0	0.06
P-467	343	J-255	J-339	8.0	PVC	120.0	0.000	0.0	0.00
P-468	395	J-339	J-257	8.0	PVC	120.0	0.000	0.0	0.00
P-469	262	J-251	J-340	8.0	PVC	120.0	0.350	326.5	2.08
P-471	394	J-340	J-341	8.0	PVC	120.0	0.800	326.5	2.08
P-472	450	J-341	J-255	8.0	PVC	120.0	0.350	293.5	1.87
P-475	427	J-256	J-343	8.0	PVC	120.0	0.000	21.0	0.13
P-476	431	J-343	J-342	8.0	PVC	120.0	0.000	21.0	0.13
P-477	452	J-342	J-344	8.0	PVC	120.0	0.000	21.0	0.13
P-478	502	J-344	J-243	8.0	PVC	120.0	0.800	21.0	0.13

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-481	433	J-345	J-346	10.0	PVC	120.0	0.000	13.5	0.06
P-482	470	J-346	J-243	10.0	PVC	120.0	0.500	21.0	0.09
P-483	403	J-242	J-347	10.0	PVC	120.0	0.300	9.0	0.04
P-484	443	J-347	J-345	10.0	PVC	120.0	0.000	13.5	0.06
P-487	341	J-262	J-349	6.0	PVC	120.0	0.500	1.6	0.02
P-488	316	J-349	J-264	6.0	PVC	120.0	0.000	1.6	0.02
P-489	154	J-261	J-350	6.0	PVC	120.0	1.280	1.4	0.02
P-490	682	J-350	J-265	6.0	PVC	120.0	0.800	1.4	0.02
P-495	627	J-260	J-353	6.0	PVC	120.0	0.200	3.0	0.03
P-497	403	J-353	J-354	6.0	PVC	120.0	0.000	3.0	0.03
P-498	479	J-354	J-351	6.0	PVC	120.0	0.000	3.0	0.03
P-499	386	J-351	J-355	6.0	PVC	120.0	0.000	3.0	0.03
P-500	422	J-355	J-352	6.0	PVC	120.0	0.000	3.0	0.03
P-501	365	J-352	J-356	6.0	PVC	120.0	0.000	3.0	0.03
P-502	390	J-356	J-261	6.0	PVC	120.0	0.350	3.0	0.03
P-503	404	J-109	J-357	8.0	PVC	120.0	0.000	46.4	0.30
P-505	471	J-357	J-358	8.0	PVC	120.0	0.200	28.4	0.18
P-506	424	J-358	J-110	8.0	PVC	120.0	0.750	28.4	0.18
P-507	436	J-98	J-359	8.0	PVC	120.0	0.500	0.0	0.00
P-509(1)	92	J-359	PRV-18	8.0	PVC	120.0	0.100	(N/A)	(N/A)
P-509(2)	380	PRV-18	J-360	8.0	PVC	120.0	0.100	(N/A)	(N/A)
P-510	426	J-360	J-106	8.0	PVC	120.0	0.350	0.0	0.00
P-513	310	J-361	J-362	8.0	PVC	120.0	0.000	318.5	2.03
P-514	302	J-362	J-208	8.0	PVC	120.0	0.000	318.5	2.03
P-515	308	J-107	J-363	8.0	PVC	120.0	0.000	312.5	1.99
P-516	308	J-363	J-361	8.0	PVC	120.0	0.000	312.5	1.99
P-517	384	J-82	J-364	8.0	PVC	120.0	0.000	112.7	0.72
P-518	386	J-364	J-83	8.0	PVC	120.0	0.350	112.7	0.72
P-519	369	J-84	J-365	3.0	PVC	120.0	0.800	4.5	0.20
P-520	371	J-365	J-86	3.0	PVC	120.0	0.500	4.5	0.20
P-521	378	J-83	J-366	8.0	PVC	120.0	1.280	37.9	0.24
P-522	385	J-366	J-58	8.0	PVC	120.0	0.750	37.9	0.24
P-523	380	J-36	J-367	6.0	PVC	120.0	0.000	101.1	1.15
P-524	387	J-367	J-37	6.0	PVC	120.0	0.500	68.1	0.77
P-525	387	J-53	J-368	8.0	PVC	120.0	0.750	99.6	0.64
P-527	111	J-135	J-369	6.0	PVC	120.0	1.280	6.4	0.07
P-528	357	J-369	J-145	6.0	PVC	120.0	1.280	6.4	0.07
P-530	362	J-370	J-109	8.0	PVC	120.0	0.350	32.1	0.21
P-531	391	J-119	J-113	8.0	PVC	120.0	0.750	37.8	0.24
P-532	364	J-113	J-443	8.0	PVC	120.0	0.750	76.5	0.49
P-533	399	J-113	J-372	8.0	PVC	120.0	0.350	39.9	0.25
P-534	393	J-372	J-114	8.0	PVC	120.0	0.500	37.4	0.24
P-535	361	J-73	J-373	6.0	PVC	120.0	0.000	76.1	0.86
P-536	379	J-373	J-74	6.0	PVC	120.0	0.500	46.1	0.52
P-537	400	J-74	J-374	6.0	PVC	120.0	0.000	53.2	0.60
P-538	391	J-374	J-75	6.0	PVC	120.0	0.500	32.2	0.37
P-539	371	J-19	J-375	8.0	PVC	120.0	0.500	7.4	0.05
P-540	327	J-375	J-299	8.0	PVC	120.0	0.100	7.4	0.05
P-541	386	J-92	J-376	8.0	PVC	120.0	0.750	16.0	0.10
P-542	393	J-376	J-99	8.0	PVC	120.0	0.750	34.0	0.22
P-543	528	J-182	J-377	2.0	PVC	120.0	0.200	5.5	0.56
P-544	257	J-377	J-183	2.0	PVC	120.0	0.800	5.5	0.56
P-546	140	J-378	J-206	6.0	PVC	120.0	1.280	54.1	0.61
P-547	472	J-213	J-379	6.0	PVC	120.0	0.500	42.1	0.48
P-548	362	J-379	J-378	6.0	PVC	120.0	0.350	54.1	0.61
P-549	223	J-207	J-380	6.0	PVC	120.0	1.280	71.6	0.81
P-551	307	J-380	J-381	6.0	PVC	120.0	0.350	71.6	0.81
P-553	303	J-381	J-382	6.0	PVC	120.0	0.000	53.6	0.61
P-554	345	J-382	J-212	6.0	PVC	120.0	0.350	53.6	0.61
P-556	58	City Hill Tank	J-30	12.0	PVC	120.0	0.000	1,521.0	4.31
P-559	327	J-2	J-385	6.0	PVC	120.0	0.000	0.0	0.00
P-560	375	J-385	J-291	6.0	PVC	120.0	0.000	0.0	0.00
P-569(1)	42	J-283	PRV-16	8.0	PVC	120.0	0.000	(N/A)	(N/A)
P-569(2)	35	PRV-16	J-392	8.0	PVC	120.0	0.000	(N/A)	(N/A)
P-571	18	R-7	GPV-1	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-572	13	GPV-1	Well 3	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-573	16	Well 3	J-157	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-574	52	R-8	GPV-2	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-575	55	GPV-2	Well 1	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-576	49	Well 1	J-82	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-577	37	R-9	GPV-3	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-578	31	GPV-3	Well 2	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-579	26	Well 2	J-90	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-601	86	Airport GST	Airport-3	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-602	119	Airport-3	J-391	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-603	62	J-391	J-260	16.0	PVC	120.0	0.000	3.0	0.00
P-604	111	Airport GST	Airport-1	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-605	99	Airport-1	J-391	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-611	10	J-392	J-387	8.0	PVC	120.0	0.800	208.5	1.33
P-616	96	Airport GST	Airport-2	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-617	93	Airport-2	J-391	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-631	534	J-1409	J-241	10.0	PVC	120.0	0.000	0.0	0.00
P-690	371	J-291	J-51	6.0	PVC	120.0	0.500	0.0	0.00
P-692	354	J-30	J-421	12.0	PVC	120.0	0.800	1,521.0	4.31
P-717	62	J-23	J-426	8.0	PVC	120.0	0.350	0.0	0.00
P-718	66	J-426	J-157	8.0	PVC	120.0	1.280	(N/A)	(N/A)

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-741	389	J-431	J-370	8.0	PVC	120.0	0.000	53.1	0.34
P-742	391	J-125	J-431	6.0	PVC	120.0	1.280	7.8	0.09
P-743	399	J-129	J-431	8.0	PVC	120.0	0.350	60.9	0.39
P-748	385	J-66	J-51	8.0	PVC	120.0	0.750	306.5	1.96
P-750	162	J-290	J-158	8.0	PVC	120.0	0.350	162.8	1.04
P-751	375	J-21	J-168	6.0	PVC	120.0	0.000	69.9	0.79
P-763	381	J-444	J-372	12.0	PVC	120.0	1.280	32.0	0.09
P-765	741	J-32	J-432	12.0	PVC	120.0	1.280	0.0	0.00
P-766	192	J-31	J-52	8.0	PVC	120.0	0.750	449.9	2.87
P-789	111	J-72	J-435	6.0	PVC	120.0	0.350	10.4	0.12
P-790	398	J-435	J-73	6.0	PVC	120.0	0.500	10.4	0.12
P-791	124	J-304	J-469	6.0	PVC	120.0	1.280	60.0	0.68
P-792	359	J-154	J-153	6.0	PVC	120.0	0.800	0.0	0.00
P-794	384	J-160	J-162	8.0	PVC	120.0	0.500	42.6	0.27
P-795	394	J-124	J-129	6.0	PVC	120.0	1.280	20.4	0.23
P-796	379	J-113	J-171	8.0	PVC	120.0	0.500	1.2	0.01
P-797	391	J-443	J-444	8.0	PVC	120.0	0.350	85.5	0.55
P-798	401	J-444	J-102	8.0	PVC	120.0	0.500	53.5	0.34
P-799	377	J-32	J-12	8.0	PVC	120.0	0.750	219.8	1.40
P-809	38	J-299	J-436	2.0	PVC	120.0	0.000	7.4	0.75
P-810	432	J-436	J-79	2.0	PVC	120.0	0.500	7.4	0.75
P-813	150	J-368	J-441	8.0	PVC	120.0	0.000	99.6	0.64
P-814	227	J-441	J-63	8.0	PVC	120.0	1.280	99.6	0.64
P-815	90	J-81	J-439	8.0	PVC	120.0	0.000	241.9	1.54
P-816	80	J-439	J-79	8.0	PVC	120.0	0.000	241.9	1.54
P-863(1)(1)	431	J-493	J-1506	16.0	PVC	120.0	0.350	0.0	0.00
P-863(1)(2)	102	J-1506	J-1204	16.0	PVC	120.0	0.350	728.0	1.16
P-863(2)	313	J-1204	J-235	16.0	PVC	120.0	0.000	728.0	1.16
P-871(1)(1)(1)(1)	385	J-498	J-1101	12.0	PVC	120.0	0.350	0.0	0.00
P-871(1)(1)(1)(2)(1)	118	J-1101	J-1570	12.0	PVC	120.0	0.000	0.0	0.00
P-871(1)(1)(1)(2)(2)	127	J-1570	J-1100	12.0	PVC	120.0	0.000	0.0	0.00
P-871(1)(1)(2)	878	J-1100	J-1065	12.0	PVC	120.0	0.000	0.0	0.00
P-871(1)(2)(1)(1)	270	J-1065	J-1573	12.0	PVC	120.0	0.500	0.0	0.00
P-871(1)(2)(1)(2)	165	J-1573	J-1066	12.0	PVC	120.0	0.000	975.0	2.77
P-871(1)(2)(2)	1,127	J-1066	J-1038	12.0	PVC	120.0	0.000	975.0	2.77
P-871(2)(1)	370	J-1038	J-1039	12.0	PVC	120.0	0.100	975.0	2.77
P-871(2)(2)	327	J-1039	J-500	12.0	PVC	120.0	0.500	975.0	2.77
P-872(1)(1)(1)(1)(1)(1)	547	J-500	J-1563	12.0	PVC	120.0	0.000	975.0	2.77
P-872(1)(1)(1)(1)(1)(2)	52	J-1563	J-1020	12.0	PVC	120.0	0.000	975.0	2.77
P-872(1)(1)(1)(1)(2)	457	J-1020	J-1013	12.0	PVC	120.0	0.500	975.0	2.77
P-872(1)(1)(1)(2)	113	J-1013	J-995	12.0	PVC	120.0	0.000	1,950.0	5.53
P-872(1)(1)(2)	386	J-995	J-993	12.0	PVC	120.0	0.000	1,950.0	5.53
P-872(1)(2)	480	J-993	J-991	12.0	PVC	120.0	0.000	1,950.0	5.53
P-872(2)	192	J-991	J-227	12.0	PVC	120.0	0.000	1,950.0	5.53
P-889	51	J-507	J-250	12.0	PVC	120.0	0.000	1,210.5	3.43
P-890	13	J-507	T-28	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-891	21	R-16	PMP-24	16.0	PVC	120.0	0.000	1,790.5	2.86
P-892	30	PMP-24	Medina Valley Tank	16.0	PVC	120.0	0.000	1,790.5	2.86
P-895	16	J-508	PMP-26	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-896	12	PMP-26	J-509	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-897	26	J-508	PMP-27	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-898	18	PMP-27	J-509	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-903	13	J-509	J-507	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-904	14	Medina Valley Tank	J-508	16.0	PVC	120.0	0.000	1,210.5	1.93
P-905	11	J-508	PMP-25	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-907	16	PMP-25	J-509	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-910(1)	203	J-507	PRV-13	16.0	PVC	120.0	0.800	(N/A)	(N/A)
P-910(2)	142	PRV-13	J-235	16.0	PVC	120.0	0.800	(N/A)	(N/A)
P-927	13	J-507	T-29	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-932	273	Alsatian Oaks Tank	J-875	36.0	PVC	120.0	0.750	7,906.5	2.49
P-934	202	R-19	Alsatian Oaks Tank	24.0	PVC	120.0	0.000	98,611.7	69.94
P-1271	605	J-493	J-1116	16.0	PVC	120.0	0.300	0.0	0.00
P-1424	14	J-509	J-1224	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1425	10	J-1224	T-28	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1426	11	J-1224	T-29	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1493	37	City Tank	J-392	12.0	PVC	120.0	0.000	208.5	0.59
P-1495(1)(1)(1)	620	J-1286	J-1385	16.0	PVC	120.0	0.000	441.5	0.70
P-1495(1)(1)(2)	437	J-1385	J-1384	16.0	PVC	120.0	0.050	2,019.5	3.22
P-1495(1)(2)	337	J-1384	J-1380	16.0	PVC	120.0	0.050	2,019.5	3.22
P-1495(2)(1)	289	J-1380	J-1381	16.0	PVC	120.0	0.000	2,019.5	3.22
P-1495(2)(2)(1)(2)	1,559	J-1383	J-1382	16.0	PVC	120.0	0.000	2,019.5	3.22
P-1495(2)(2)(2)	1,307	J-1382	J-905	16.0	PVC	120.0	0.050	2,019.5	3.22
P-1575	362	J-1286	J-1386	16.0	PVC	120.0	0.000	441.5	0.70
P-1596	33	J-652	J-655	16.0	PVC	120.0	0.350	2,335.0	3.73
P-1616	906	J-464	J-208	8.0	PVC	120.0	0.300	318.5	2.03
P-1617	909	J-463	J-464	8.0	PVC	120.0	0.350	318.5	2.03
P-1617	690	J-655	J-1446	16.0	PVC	120.0	1.280	720.9	1.15
P-1618	293	J-1386	J-463	8.0	PVC	120.0	0.000	390.5	2.49
P-1618	890	J-1446	J-1447	16.0	PVC	120.0	0.100	720.9	1.15
P-1619	220	J-1293	J-1386	8.0	PVC	120.0	0.000	51.0	0.33
P-1619(1)	94	J-1447	J-1464	16.0	PVC	120.0	0.000	720.9	1.15
P-1619(2)	144	J-1464	J-1448	16.0	PVC	120.0	0.050	720.9	1.15

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-1620	253	J-462	J-1293	8.0	PVC	120.0	0.000	51.0	0.33
P-1620	327	J-1448	J-1449	16.0	PVC	120.0	0.050	720.9	1.15
P-1621	802	J-486	J-462	8.0	PVC	120.0	0.300	51.0	0.33
P-1621(1)	270	J-1449	J-1465	16.0	PVC	120.0	0.500	720.9	1.15
P-1621(2)	227	J-1465	J-1450	12.0	PVC	120.0	0.000	770.7	2.19
P-1622	555	J-455	J-486	6.0	PVC	120.0	0.000	36.0	0.41
P-1622(1)	178	J-1450	J-1468	12.0	PVC	120.0	0.000	770.7	2.19
P-1622(2)	146	J-1468	J-1451	12.0	PVC	120.0	0.350	770.7	2.19
P-1623	102	J-455	J-456	6.0	PVC	120.0	0.000	36.0	0.41
P-1623	94	J-1451	J-1452	12.0	PVC	120.0	0.000	770.7	2.19
P-1624	306	J-456	J-465	4.0	PVC	120.0	0.200	36.0	0.92
P-1624	132	J-1452	J-1453	12.0	PVC	120.0	0.000	770.7	2.19
P-1625	377	J-465	J-448	4.0	PVC	120.0	0.000	21.0	0.54
P-1625(1)	1,153	J-1453	J-1471	12.0	PVC	120.0	0.000	770.7	2.19
P-1625(2)	255	J-1471	J-1454	12.0	PVC	120.0	0.100	770.7	2.19
P-1626	271	J-448	J-466	4.0	PVC	120.0	0.000	21.0	0.54
P-1627	345	J-466	J-458	4.0	PVC	120.0	0.350	21.0	0.54
P-1628	357	J-458	J-468	3.0	PVC	120.0	0.000	12.0	0.54
P-1628	172	J-1454	J-1457	12.0	PVC	120.0	0.500	770.7	2.19
P-1629	1,046	J-1457	J-1458	16.0	PVC	120.0	0.750	2,019.5	3.22
P-1630	369	J-468	J-460	3.0	PVC	120.0	0.000	12.0	0.54
P-1630	877	J-1458	J-1459	16.0	PVC	120.0	0.000	2,019.5	3.22
P-1631	313	J-460	J-461	2.0	PVC	120.0	0.800	12.0	1.23
P-1631	793	J-1459	J-905	16.0	PVC	120.0	0.050	2,019.5	3.22
P-1632	250	J-458	J-459	2.0	PVC	120.0	1.280	9.0	0.92
P-1633	390	J-188	J-234	10.0	PVC	120.0	0.000	121.9	0.50
P-1634	419	J-501	J-303	6.0	PVC	120.0	0.500	82.5	0.94
P-1635	489	J-651	J-236	16.0	PVC	120.0	0.300	2,335.0	3.73
P-1636	172	J-655	J-328	16.0	PVC	120.0	0.000	1,614.1	2.58
P-1636	458	J-1465	J-1466	8.0	PVC	120.0	0.750	439.5	2.81
P-1637	122	J-870	J-335	16.0	PVC	120.0	0.000	722.0	1.15
P-1651	304	J-1457	J-1483	12.0	PVC	120.0	0.050	1,716.3	4.87
P-1652	362	J-1483	J-1484	12.0	PVC	120.0	0.050	1,716.3	4.87
P-1653	385	J-1484	J-1485	12.0	PVC	120.0	0.050	1,716.3	4.87
P-1654	275	J-1485	J-1486	12.0	PVC	120.0	0.500	1,716.3	4.87
P-1654(1)	382	J-1498	J-1484	12.0	PVC	120.0	0.350	0.0	0.00
P-1654(2)	609	J-1498	J-1485	12.0	PVC	120.0	0.000	0.0	0.00
P-1655	183	J-1487	J-1498	12.0	PVC	120.0	1.280	19.5	0.06
P-1662	504	J-1457	J-1494	16.0	PVC	120.0	0.050	1,073.9	1.71
P-1663	486	J-1494	J-1495	16.0	PVC	120.0	0.050	1,073.9	1.71
P-1664	507	J-1495	J-1496	16.0	PVC	120.0	0.000	1,073.9	1.71
P-1665(1)	233	J-1496	J-1513	16.0	PVC	120.0	0.300	1,073.9	1.71
P-1665(2)	731	J-1513	J-1497	16.0	PVC	120.0	0.000	725.6	1.16
P-1666	566	J-1497	J-1498	16.0	PVC	120.0	0.000	725.6	1.16
P-1667	771	J-1498	J-1499	16.0	PVC	120.0	0.500	725.6	1.16
P-1668	846	J-1499	J-1500	16.0	PVC	120.0	0.000	990.5	1.58
P-1669(1)	256	J-1500	J-1507	16.0	PVC	120.0	0.000	990.5	1.58
P-1669(2)	332	J-1507	J-1501	16.0	PVC	120.0	0.000	990.5	1.58
P-1670	520	J-1501	J-1502	16.0	PVC	120.0	0.050	990.5	1.58
P-1671	318	J-1502	J-1503	16.0	PVC	120.0	0.050	990.5	1.58
P-1672(1)	131	J-1503	J-1519	16.0	PVC	120.0	0.500	990.5	1.58
P-1672(2)	305	J-1519	J-1504	16.0	PVC	120.0	0.050	728.0	1.16
P-1673	490	J-1504	J-1505	16.0	PVC	120.0	0.050	728.0	1.16
P-1674(1)	174	J-1505	J-1525	16.0	PVC	120.0	0.000	728.0	1.16
P-1674(2)	292	J-1525	J-1506	16.0	PVC	120.0	1.280	728.0	1.16
P-1678	723	J-1499	J-1511	8.0	PVC	120.0	0.750	659.2	4.21
P-1679	654	J-1499	J-1512	8.0	PVC	120.0	0.000	394.2	2.52
P-1680(1)	393	J-1513	J-1517	16.0	PVC	120.0	0.500	3,747.5	5.98
P-1680(2)	646	J-1517	J-1514	16.0	PVC	120.0	0.000	3,747.5	5.98
P-1681	841	J-1514	J-1515	16.0	PVC	120.0	0.000	5,006.7	7.99
P-1685	349	J-1519	J-1521	8.0	PVC	120.0	0.000	131.3	0.84
P-1687	362	J-1519	J-1523	8.0	PVC	120.0	0.750	131.3	0.84
P-1704(1)	312	J-1116	PRV-14	12.0	PVC	120.0	0.500	(N/A)	(N/A)
P-1704(2)	46	PRV-14	J-1540	12.0	PVC	120.0	0.500	(N/A)	(N/A)
P-1705	614	J-1540	J-1541	12.0	PVC	120.0	0.050	1,141.5	3.24
P-1706(1)	190	J-1541	J-1559	12.0	PVC	120.0	0.000	1,141.5	3.24
P-1706(2)	544	J-1559	J-1542	12.0	PVC	120.0	0.500	570.8	1.62
P-1707	410	J-1542	J-1543	12.0	PVC	120.0	0.500	570.8	1.62
P-1708(1)	115	J-1543	J-1557	12.0	PVC	120.0	0.000	570.8	1.62
P-1708(2)	445	J-1557	J-1544	12.0	PVC	120.0	0.000	570.8	1.62
P-1709(1)	251	J-1544	J-1554	12.0	PVC	120.0	0.000	570.8	1.62
P-1709(2)	311	J-1554	J-1545	12.0	PVC	120.0	0.500	0.0	0.00
P-1710(1)	94	J-1545	J-1551	12.0	PVC	120.0	0.050	0.0	0.00
P-1710(2)	103	J-1551	J-1546	12.0	PVC	120.0	0.050	0.0	0.00
P-1711	328	J-1546	J-1547	12.0	PVC	120.0	0.050	0.0	0.00
P-1712	172	J-1547	J-1548	12.0	PVC	120.0	0.000	0.0	0.00
P-1713	183	J-1548	J-1549	12.0	PVC	120.0	0.100	0.0	0.00
P-1714	202	J-1549	J-1550	12.0	PVC	120.0	0.100	0.0	0.00
P-1721	510	J-1559	J-1560	8.0	PVC	120.0	0.000	285.4	1.82
P-1722	599	J-1559	J-1561	8.0	PVC	120.0	0.750	285.4	1.82
P-1723	924	J-1013	J-1562	8.0	PVC	120.0	0.750	487.5	3.11
P-1729	571	J-1573	J-1574	8.0	PVC	120.0	0.750	487.5	3.11
P-1730	545	J-1573	J-1575	8.0	PVC	120.0	0.000	487.5	3.11
P-1793	495	J-1554	J-1645	8.0	PVC	120.0	0.000	285.4	1.82
P-1794	441	J-1554	J-1646	8.0	PVC	120.0	0.750	285.4	1.82
P-1795	639	J-1013	J-1648	8.0	PVC	120.0	0.000	487.5	3.11

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-1796	516	J-1465	J-1649	8.0	PVC	120.0	0.100	389.8	2.49
P-1797	564	J-1486	J-1650	8.0	PVC	120.0	0.750	591.8	3.78
P-1798	552	J-1486	J-1651	16.0	PVC	120.0	0.100	2,308.1	3.68
P-1799	357	J-1515	J-875	24.0	PVC	120.0	0.350	7,906.5	5.61
P-1807	222	J-1381	J-1664	16.0	PVC	120.0	0.750	2,019.5	3.22
P-1808	154	J-1664	J-1383	16.0	PVC	120.0	0.050	2,019.5	3.22
P-1822	683	J-318	J-1683	12.0	PVC	120.0	0.000	184.5	0.52
P-1823	563	J-216	J-1685	8.0	PVC	120.0	0.800	3.9	0.02
P-1824	380	J-1685	J-1686	8.0	PVC	120.0	0.200	3.9	0.02
P-1825	297	J-1686	J-1687	8.0	PVC	120.0	0.050	3.9	0.02
P-1826	123	J-1687	J-1475	8.0	PVC	120.0	0.100	3.9	0.02
P-1827	519	J-1475	J-1689	8.0	PVC	120.0	0.800	77.1	0.49
P-1828	286	J-1689	J-325	8.0	PVC	120.0	0.350	77.1	0.49
P-1830	1,302	J-1513	J-1691	16.0	PVC	120.0	0.000	1,948.1	3.11
P-1831	1,151	J-1691	J-1692	16.0	PVC	120.0	0.500	913.0	1.46
P-1832	1,207	J-1692	J-1693	16.0	PVC	120.0	0.000	913.0	1.46
P-1834	1,782	J-1515	J-1651	16.0	PVC	120.0	1.280	2,899.8	4.63
P-1835	1,767	J-1691	J-1512	16.0	PVC	120.0	0.000	205.8	0.33
P-1836	2,260	J-1511	J-1514	16.0	PVC	120.0	0.000	1,259.2	2.01
P-1837	1,205	J-1649	J-1691	16.0	PVC	120.0	0.750	829.3	1.32
P-1838	1,297	J-252	J-1540	16.0	PVC	120.0	0.000	1,141.5	1.82
P-1848	189	Airport GST	J-391	16.0	PVC	120.0	0.000	3.0	0.00
P-1849	31	J-508	J-507	16.0	PVC	120.0	0.000	1,210.5	1.93

FlexTable: Junction Table

Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-2	868.92	0.0	924.76	24.2
J-3	756.96	0.0	925.32	72.8
J-4	753.28	0.0	925.35	74.4
J-5	754.47	13.5	925.26	73.9
J-6	752.64	0.0	924.43	74.3
J-7	754.00	18.0	923.55	73.4
J-9	756.71	0.0	923.25	72.1
J-10	757.33	16.5	923.11	71.7
J-11	737.39	0.0	924.43	80.9
J-12	756.69	42.0	925.57	73.1
J-13	774.11	0.0	925.57	65.5
J-14	756.47	0.0	925.41	73.1
J-15	757.63	0.0	925.41	72.6
J-16	758.80	0.0	925.41	72.1
J-17	762.03	0.0	925.69	70.8
J-18	769.12	0.0	924.60	67.3
J-19	782.35	46.5	923.78	61.2
J-20	780.09	27.0	922.99	61.8
J-21	774.31	0.0	922.73	64.2
J-22	773.51	55.5	922.47	64.4
J-23	773.00	0.0	922.28	64.6
J-24	772.00	24.0	922.11	64.9
J-25	770.80	16.5	922.04	65.4
J-26	756.00	0.0	924.43	72.9
J-27	757.00	40.5	924.43	72.4
J-28	760.87	0.0	924.43	70.8
J-29	766.90	30.0	924.31	68.1
J-30	907.43	0.0	931.63	10.5
J-31	779.79	0.0	926.58	63.5
J-32	764.44	0.0	926.08	69.9
J-33	759.68	0.0	925.41	71.7
J-34	756.23	0.0	923.57	72.4
J-36	757.00	0.0	922.75	71.7
J-37	758.00	0.0	922.04	71.0
J-38	759.34	25.5	921.68	70.2
J-39	761.11	0.0	921.49	69.4
J-40	756.24	19.5	923.19	72.2
J-41	757.00	0.0	923.18	71.9
J-42	757.00	0.0	923.18	71.9
J-43	762.38	45.0	923.16	69.6
J-45	755.84	22.5	923.20	72.4
J-48	756.66	10.5	923.05	72.0
J-50	757.01	0.0	923.05	71.8
J-51	782.22	0.0	924.76	61.7
J-52	791.57	27.0	925.56	58.0
J-53	756.81	18.0	922.68	71.8
J-54	757.00	0.0	922.38	71.6
J-55	758.00	0.0	922.06	71.0
J-58	760.00	0.0	921.79	70.0
J-59	761.00	37.5	921.64	69.5
J-60	760.84	0.0	920.74	69.2
J-61	757.84	0.0	922.04	71.0
J-62	756.87	0.0	922.69	71.7
J-63	759.00	0.0	922.44	70.7
J-65	757.00	0.0	923.16	71.9
J-66	784.61	0.0	923.80	60.2
J-68	807.49	4.5	922.99	50.0
J-69	811.45	0.0	922.99	48.3
J-71	789.74	0.0	922.80	57.6
J-72	764.83	81.0	922.33	68.1
J-73	761.00	0.0	922.32	69.8
J-74	760.00	0.0	921.94	70.1
J-75	760.00	0.0	921.73	70.0
J-79	762.45	0.0	922.81	69.4
J-80	766.50	0.0	922.55	67.5
J-81	761.13	0.0	922.55	69.8
J-82	759.74	0.0	922.04	70.2
J-83	760.00	52.5	921.75	70.0
J-84	760.00	0.0	921.74	70.0
J-85	762.11	54.0	921.68	69.0
J-86	761.50	0.0	921.66	69.3
J-88	760.85	0.0	921.69	69.6
J-89	762.38	0.0	921.66	68.9
J-90	762.67	(N/A)	(N/A)	(N/A)
J-92	762.00	0.0	921.66	69.1
J-93	762.27	12.0	921.66	69.0
J-94	761.00	0.0	921.65	69.5
J-95	761.13	12.0	921.65	69.4
J-96	738.68	0.0	921.65	79.2
J-97	761.64	0.0	921.66	69.2
J-98	763.00	0.0	921.68	68.7
J-99	764.00	0.0	921.68	68.2
J-100	764.00	0.0	921.68	68.2
J-101	764.03	0.0	921.68	68.2
J-102	760.79	0.0	921.73	69.6
J-103	761.63	63.0	921.68	69.2

FlexTable: Junction Table

Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-104	760.95	0.0	921.68	69.5
J-105	764.00	16.5	921.68	68.2
J-106	783.65	36.0	947.55	70.9
J-107	786.75	0.0	947.56	69.6
J-109	765.72	0.0	921.76	67.5
J-110	765.00	25.5	921.70	67.8
J-111	763.23	0.0	921.70	68.6
J-112	764.26	21.0	921.68	68.1
J-113	763.00	0.0	921.79	68.7
J-114	762.00	0.0	921.75	69.1
J-115	763.22	0.0	921.73	68.6
J-116	765.00	0.0	921.71	67.8
J-117	765.45	0.0	921.71	67.6
J-118	765.00	0.0	921.75	67.8
J-119	762.87	0.0	921.77	68.8
J-120	765.86	39.0	921.71	67.4
J-121	804.38	0.0	922.15	51.0
J-122	783.85	0.0	922.15	59.8
J-123	783.85	0.0	922.13	59.8
J-124	766.00	31.5	921.83	67.4
J-125	765.00	0.0	921.80	67.8
J-126	763.00	0.0	921.78	68.7
J-127	764.12	0.0	921.76	68.2
J-129	764.87	10.5	921.86	67.9
J-130	780.79	0.0	922.06	61.1
J-131	780.16	0.0	922.06	61.4
J-132	790.00	0.0	922.05	57.1
J-133	788.00	24.0	1,028.91	104.2
J-134	789.10	0.0	1,028.91	103.8
J-135	792.83	0.0	1,028.94	102.2
J-136	814.48	0.0	1,029.05	92.8
J-137	826.14	0.0	1,029.26	87.9
J-138	837.92	0.0	1,029.42	82.9
J-139	854.06	0.0	1,029.52	75.9
J-141	865.41	12.0	1,029.51	71.0
J-142	849.01	0.0	1,030.22	78.4
J-143	850.99	0.0	1,030.22	77.5
J-144	852.89	0.0	1,030.22	76.7
J-145	805.20	0.0	1,028.94	96.8
J-146	803.40	0.0	1,028.94	97.6
J-147	822.90	0.0	1,029.54	89.4
J-148	850.84	0.0	1,029.99	77.5
J-149	884.73	0.0	1,030.10	62.9
J-150	935.05	0.0	1,030.08	41.1
J-151	785.98	0.0	922.48	59.1
J-152	802.00	0.0	922.04	51.9
J-153	779.54	0.0	922.05	61.7
J-154	775.15	9.0	922.05	63.6
J-155	807.58	0.0	922.26	49.6
J-156	784.92	0.0	922.28	59.4
J-157	773.56	(N/A)	(N/A)	(N/A)
J-158	789.03	0.0	922.98	58.0
J-159	765.93	0.0	921.81	67.4
J-160	762.11	37.5	921.77	69.1
J-162	763.86	0.0	921.80	68.3
J-163	766.24	0.0	921.81	67.3
J-165	763.00	19.5	921.81	68.7
J-166	761.90	0.0	922.02	69.3
J-167	764.88	0.0	922.35	68.1
J-168	766.55	0.0	922.50	67.5
J-169	765.91	0.0	922.35	67.7
J-170	765.73	0.0	921.81	67.5
J-171	762.36	28.5	921.79	69.0
J-172	763.00	0.0	921.78	68.7
J-173	761.00	0.0	921.79	69.6
J-174	760.36	0.0	921.94	69.9
J-175	742.22	0.0	921.70	77.7
J-176	753.87	15.0	914.82	69.6
J-177	756.00	0.0	916.44	69.4
J-178	755.00	0.0	916.44	69.8
J-179	756.00	0.0	917.06	69.7
J-180	757.28	0.0	917.47	69.3
J-181	756.51	7.5	916.69	69.3
J-182	759.32	24.0	920.29	69.6
J-183	769.88	0.0	919.36	64.7
J-184	780.48	0.0	919.36	60.1
J-185	764.04	0.0	920.34	67.6
J-186	764.38	10.5	920.70	67.6
J-187	787.66	0.0	946.72	68.8
J-188	786.80	0.0	947.28	69.4
J-189	787.86	0.0	946.33	68.6
J-190	794.65	0.0	946.15	65.5
J-191	788.24	0.0	946.10	68.3
J-192	767.62	0.0	945.90	77.1
J-193	766.56	0.0	945.89	77.6
J-194	769.88	0.0	946.47	76.4

FlexTable: Junction Table

Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-196	769.96	0.0	946.40	76.3
J-197	766.35	0.0	945.86	77.7
J-198	766.22	0.0	945.89	77.7
J-199	765.97	0.0	945.89	77.8
J-200	765.07	3.0	945.89	78.2
J-201	763.00	0.0	945.89	79.1
J-202	766.71	0.0	945.89	77.5
J-203	784.40	0.0	946.39	70.1
J-204	784.30	0.0	946.39	70.1
J-205	785.00	0.0	946.35	69.8
J-206	777.79	0.0	946.72	73.1
J-207	783.05	0.0	947.01	70.9
J-208	796.75	0.0	950.63	66.6
J-209	789.80	12.0	947.54	68.2
J-210	770.11	0.0	947.54	76.8
J-211	795.05	0.0	947.54	66.0
J-212	785.16	0.0	946.40	69.8
J-213	784.19	18.0	946.40	70.2
J-214	784.00	19.5	946.28	70.2
J-215	782.38	0.0	946.27	70.9
J-216	781.47	0.0	946.27	71.3
J-217	784.00	4.5	946.39	70.3
J-218	783.00	10.5	946.24	70.6
J-219	782.00	9.0	946.24	71.1
J-221	782.43	21.0	946.36	70.9
J-222	781.43	0.0	946.36	71.4
J-223	777.49	0.0	946.57	73.2
J-224	779.13	0.0	946.73	72.5
J-225	780.95	0.0	946.94	71.8
J-226	781.68	0.0	947.10	71.6
J-227	783.10	40.5	947.37	71.1
J-228	783.73	9.0	946.33	70.3
J-229	782.78	9.0	946.33	70.8
J-230	780.52	16.5	946.55	71.8
J-231	787.09	18.0	946.71	69.1
J-232	792.98	16.5	946.92	66.6
J-233	784.52	0.0	947.10	70.3
J-234	785.73	12.0	947.33	69.9
J-235	772.34	6.0	973.67	87.1
J-236	778.00	0.0	968.90	82.6
J-237	768.50	0.0	972.80	88.4
J-238	770.53	0.0	921.50	65.3
J-239	769.23	9.0	921.50	65.9
J-240	767.53	0.0	921.50	66.6
J-241	763.05	0.0	921.50	68.6
J-242	762.97	0.0	921.50	68.6
J-243	759.76	0.0	921.51	70.0
J-250	769.68	0.0	931.74	70.1
J-251	767.29	0.0	925.61	68.5
J-252	770.05	0.0	914.39	62.4
J-253	767.63	0.0	920.35	66.1
J-254	766.80	15.0	920.55	66.5
J-255	765.00	0.0	922.78	68.3
J-256	765.00	0.0	921.54	67.7
J-257	762.83	0.0	922.78	69.2
J-258	771.60	0.0	932.00	69.4
J-259	769.94	0.0	932.00	70.1
J-260	769.58	0.0	932.00	70.3
J-261	761.47	0.0	931.99	73.8
J-262	759.41	0.0	931.99	74.7
J-263	761.00	3.0	931.99	74.0
J-264	761.00	0.0	931.99	74.0
J-265	760.27	0.0	931.99	74.3
J-266	757.85	0.0	923.55	71.7
J-267	760.91	4.5	944.86	79.6
J-268	764.86	0.0	922.33	68.1
J-269	802.53	0.0	1,029.00	98.0
J-270	814.36	0.0	1,029.44	93.1
J-271	817.10	39.0	1,029.27	91.8
J-272	830.89	31.5	1,029.43	85.9
J-273	854.25	0.0	1,029.75	75.9
J-274	932.55	21.0	1,030.08	42.2
J-276	907.96	0.0	1,030.09	52.8
J-277	867.37	0.0	1,030.17	70.4
J-278	848.29	22.5	1,030.03	78.6
J-279	832.40	0.0	1,029.79	85.4
J-280	808.19	36.0	1,028.95	95.5
J-281	800.67	12.0	1,028.96	98.8
J-282	826.29	10.5	1,030.33	88.3
J-283	807.55	0.0	922.48	49.7
J-284	798.34	37.5	922.26	53.6
J-285	794.20	0.0	922.15	55.4
J-286	791.55	34.5	922.04	56.5
J-287	770.97	0.0	921.95	65.3
J-288	769.75	0.0	921.97	65.9
J-289	802.32	19.5	922.87	52.2

FlexTable: Junction Table

Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-290	789.08	0.0	923.11	58.0
J-291	822.29	0.0	924.76	44.3
J-293	766.95	0.0	925.57	68.6
J-294	754.23	24.0	925.32	74.0
J-295	755.00	0.0	923.48	72.9
J-297	759.11	0.0	923.82	71.3
J-298	769.62	0.0	923.75	66.7
J-299	769.00	0.0	923.78	67.0
J-300	725.00	0.0	921.11	84.8
J-301	767.16	22.5	919.83	66.1
J-302	759.31	0.0	918.73	69.0
J-303	759.00	16.5	918.02	68.8
J-304	755.56	0.0	917.08	69.9
J-305	779.19	0.0	920.70	61.2
J-306	788.48	0.0	920.69	57.2
J-307	788.55	21.0	920.68	57.2
J-308	787.07	0.0	920.68	57.8
J-309	785.65	0.0	920.68	58.4
J-310	787.81	0.0	946.21	68.5
J-311	779.53	0.0	945.99	72.0
J-312	778.19	0.0	945.92	72.6
J-313	785.90	36.0	945.95	69.2
J-314	787.00	0.0	946.05	68.8
J-315	768.00	0.0	945.89	77.0
J-317	767.77	0.0	945.89	77.1
J-318	766.26	0.0	945.67	77.6
J-319	783.02	15.0	946.41	70.7
J-322	785.00	13.5	946.35	69.8
J-323	779.72	21.0	946.36	72.1
J-324	778.17	19.5	946.38	72.8
J-325	776.29	10.5	946.42	73.6
J-326	781.97	6.0	956.77	75.6
J-327	777.41	21.0	964.64	81.0
J-328	776.11	0.0	970.46	84.1
J-329	773.32	0.0	971.37	85.7
J-330	769.92	0.0	972.20	87.5
J-331	764.47	0.0	972.48	90.0
J-332	766.17	0.0	972.64	89.3
J-333	773.00	1.5	973.20	86.6
J-334	771.22	0.0	973.00	87.3
J-335	773.00	0.0	973.43	86.7
J-336	767.04	0.0	921.50	66.8
J-337	768.31	0.0	921.50	66.3
J-338	765.63	0.0	921.50	67.4
J-339	764.11	0.0	922.78	68.6
J-340	767.51	0.0	924.89	68.1
J-341	766.52	33.0	923.78	68.0
J-342	761.87	0.0	921.53	69.1
J-343	763.68	0.0	921.53	68.3
J-344	761.00	0.0	921.52	69.4
J-345	762.48	0.0	921.51	68.8
J-346	761.47	7.5	921.51	69.2
J-347	763.07	4.5	921.51	68.5
J-349	760.66	0.0	931.99	74.1
J-350	761.01	0.0	931.99	74.0
J-351	765.11	0.0	932.00	72.2
J-352	764.26	0.0	932.00	72.6
J-353	767.56	0.0	932.00	71.1
J-354	766.48	0.0	932.00	71.6
J-355	764.51	0.0	932.00	72.5
J-356	762.57	0.0	932.00	73.3
J-357	767.08	18.0	921.73	66.9
J-358	763.14	0.0	921.72	68.6
J-359	732.00	0.0	921.68	82.1
J-360	766.71	0.0	947.55	78.2
J-361	793.03	6.0	949.07	67.5
J-362	795.08	0.0	949.86	67.0
J-363	790.96	0.0	948.31	68.1
J-364	761.00	0.0	921.90	69.6
J-365	759.00	0.0	921.70	70.4
J-366	759.00	0.0	921.77	70.4
J-367	757.00	33.0	922.28	71.5
J-368	757.67	0.0	922.56	71.3
J-369	796.46	0.0	1,028.94	100.6
J-370	764.19	21.0	921.77	68.2
J-372	764.00	34.5	921.77	68.3
J-373	760.05	30.0	922.06	70.1
J-374	762.31	21.0	921.79	69.0
J-375	779.95	0.0	923.78	62.2
J-376	763.00	18.0	921.66	68.6
J-377	761.04	0.0	919.67	68.6
J-378	782.47	0.0	946.65	71.0
J-379	785.00	12.0	946.51	69.9
J-380	787.73	0.0	946.85	68.8
J-381	787.55	18.0	946.65	68.8
J-382	786.57	0.0	946.54	69.2

FlexTable: Junction Table

Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-385	864.99	0.0	924.76	25.9
J-387	809.56	0.0	1,030.41	95.6
J-391	769.00	0.0	932.00	70.5
J-392	808.99	0.0	1,030.44	95.8
J-421	852.76	0.0	929.13	33.0
J-426	773.76	0.0	922.28	64.3
J-431	764.00	0.0	921.81	68.3
J-432	861.91	0.0	926.08	27.8
J-435	764.04	0.0	922.33	68.5
J-436	768.68	0.0	923.70	67.1
J-439	762.11	0.0	922.69	69.5
J-441	759.57	0.0	922.52	70.5
J-443	761.00	0.0	921.86	69.6
J-444	763.00	0.0	921.77	68.7
J-445	797.55	0.0	922.99	54.3
J-448	808.93	0.0	955.56	63.4
J-455	784.91	0.0	956.17	74.1
J-456	788.01	0.0	956.15	72.7
J-458	818.10	0.0	955.26	59.3
J-459	825.00	9.0	954.51	56.0
J-460	814.71	0.0	954.76	60.6
J-461	813.75	12.0	953.16	60.3
J-462	783.00	0.0	956.34	75.0
J-463	795.45	72.0	955.29	69.2
J-464	801.02	0.0	952.96	65.7
J-465	804.18	15.0	955.74	65.6
J-466	810.63	0.0	955.43	62.6
J-468	816.55	0.0	955.01	59.9
J-469	757.85	60.0	917.02	68.9
J-486	782.56	15.0	956.27	75.2
J-493	772.02	0.0	973.84	87.3
J-498	773.27	0.0	926.84	66.4
J-500	779.00	0.0	932.49	66.4
J-501	757.97	0.0	917.66	69.1
J-507	769.85	0.0	931.95	70.1
J-508	769.60	0.0	931.99	70.3
J-509	769.78	(N/A)	(N/A)	(N/A)
J-651	776.33	0.0	967.13	82.6
J-652	777.13	0.0	969.97	83.4
J-655	777.00	0.0	970.16	83.6
J-870	773.00	0.0	973.38	86.7
J-875	853.58	0.0	999.75	63.2
J-905	785.77	0.0	968.15	78.9
J-991	783.00	0.0	945.43	70.3
J-993	782.04	0.0	940.57	68.6
J-995	781.82	0.0	936.66	67.0
J-1013	781.15	0.0	935.51	66.8
J-1020	780.39	0.0	934.17	66.5
J-1038	779.63	0.0	930.46	65.3
J-1039	780.01	0.0	931.51	65.5
J-1065	777.21	0.0	926.84	64.7
J-1066	777.46	0.0	927.30	64.8
J-1100	775.12	0.0	926.84	65.6
J-1101	774.34	0.0	926.84	66.0
J-1116	774.00	0.0	973.84	86.5
J-1204	772.36	0.0	973.80	87.2
J-1224	769.83	(N/A)	(N/A)	(N/A)
J-1286	804.00	0.0	956.44	66.0
J-1293	786.19	0.0	956.36	73.6
J-1380	794.82	0.0	958.61	70.9
J-1381	791.17	0.0	959.38	72.8
J-1382	785.00	0.0	964.66	77.7
J-1383	787.32	0.0	960.51	74.9
J-1384	798.09	0.0	957.71	69.1
J-1385	801.35	1,578.0	956.53	67.1
J-1386	790.35	0.0	956.38	71.8
J-1409	764.00	0.0	921.50	68.1
J-1446	772.40	0.0	970.46	85.7
J-1447	772.39	0.0	970.81	85.8
J-1448	773.86	0.0	970.91	85.3
J-1449	774.45	0.0	971.04	85.1
J-1450	775.68	0.0	971.57	84.7
J-1451	775.72	0.0	972.18	85.0
J-1452	775.19	0.0	972.35	85.3
J-1453	773.86	0.0	972.59	86.0
J-1454	804.19	0.0	975.15	74.0
J-1457	805.93	0.0	975.50	73.4
J-1458	785.84	0.0	972.60	80.8
J-1459	786.17	0.0	970.26	79.6
J-1464	773.19	0.0	970.85	85.5
J-1465	775.10	0.0	971.15	84.8
J-1466	778.27	439.5	968.95	82.5
J-1468	775.76	0.0	971.89	84.9
J-1471	786.10	0.0	974.68	81.6
J-1475	777.41	81.0	946.27	73.1
J-1483	817.23	0.0	977.95	69.5

FlexTable: Junction Table

Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-1484	798.13	0.0	980.86	79.1
J-1484	773.00	0.0	970.96	85.6
J-1485	791.57	0.0	983.96	83.2
J-1485	770.00	0.0	970.96	86.9
J-1486	797.00	0.0	986.34	81.9
J-1487	774.65	0.0	970.96	84.9
J-1494	799.15	0.0	975.92	76.5
J-1495	805.41	0.0	976.32	73.9
J-1496	828.22	0.0	976.74	64.3
J-1497	811.34	0.0	976.66	71.5
J-1498	798.86	0.0	976.43	76.8
J-1498	772.00	19.5	970.96	86.1
J-1499	787.21	0.0	976.11	81.7
J-1500	791.76	0.0	975.51	79.5
J-1501	776.80	0.0	975.09	85.8
J-1502	777.23	0.0	974.72	85.4
J-1503	776.85	0.0	974.49	85.5
J-1504	775.00	0.0	974.26	86.2
J-1505	772.70	0.0	974.06	87.1
J-1506	772.32	0.0	973.84	87.2
J-1507	786.79	0.0	975.33	81.6
J-1511	796.57	600.0	983.40	80.8
J-1512	781.89	600.0	973.64	83.0
J-1513	834.58	0.0	976.95	61.6
J-1514	829.23	0.0	985.91	67.8
J-1515	846.84	0.0	997.93	65.4
J-1517	830.49	0.0	980.51	64.9
J-1519	776.55	0.0	974.38	85.6
J-1521	776.65	131.3	974.21	85.5
J-1523	775.69	131.3	974.19	85.9
J-1525	772.04	0.0	973.99	87.4
J-1540	768.99	0.0	913.19	62.4
J-1541	766.22	0.0	910.87	62.6
J-1542	763.48	0.0	909.57	63.2
J-1543	762.08	0.0	909.12	63.6
J-1544	759.68	0.0	908.54	64.4
J-1545	757.89	0.0	908.28	65.1
J-1546	756.97	0.0	908.28	65.5
J-1547	755.21	0.0	908.28	66.2
J-1548	754.40	0.0	908.28	66.6
J-1549	753.70	0.0	908.28	66.9
J-1550	753.32	0.0	908.28	67.0
J-1551	757.51	0.0	908.28	65.2
J-1554	758.76	0.0	908.28	64.7
J-1557	761.39	0.0	909.00	63.9
J-1559	765.26	0.0	910.16	62.7
J-1560	764.97	285.4	909.10	62.4
J-1561	766.12	285.4	908.87	61.8
J-1562	784.49	487.5	930.22	63.1
J-1563	780.24	0.0	934.02	66.5
J-1570	774.80	0.0	926.84	65.8
J-1573	777.42	0.0	926.84	64.6
J-1574	779.00	487.5	923.53	62.5
J-1575	775.43	487.5	923.78	64.2
J-1645	757.49	285.4	907.25	64.8
J-1646	759.53	285.4	907.32	63.9
J-1648	779.66	487.5	931.93	65.9
J-1649	772.19	439.5	973.07	86.9
J-1650	789.48	591.8	981.65	83.1
J-1651	802.27	591.8	988.24	80.5
J-1664	789.69	0.0	960.09	73.7
J-1683	786.11	184.5	945.58	69.0
J-1685	784.55	0.0	946.27	70.0
J-1686	779.30	0.0	946.27	72.2
J-1687	778.03	0.0	946.27	72.8
J-1689	777.38	0.0	946.37	73.1
J-1691	785.39	0.0	973.71	81.5
J-1692	765.08	0.0	972.99	90.0
J-1693	769.56	0.0	972.25	87.7

PROPOSED SYSTEM
FIRE FLOW RESULTS

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-2	400	J-4	J-5	6.0	PVC	120.0	0.350	40.5	0.46
P-3	372	J-5	J-6	6.0	PVC	120.0	0.500	137.8	1.56
P-4	406	J-6	J-7	6.0	PVC	120.0	0.500	135.2	1.53
P-6	362	J-7	J-9	6.0	PVC	120.0	0.350	81.0	0.92
P-7	385	J-9	J-10	6.0	PVC	120.0	0.800	50.9	0.58
P-8	595	J-6	J-11	8.0	PVC	120.0	0.000	0.0	0.00
P-9	388	J-12	J-4	6.0	PVC	120.0	1.280	64.5	0.73
P-11	399	J-12	J-14	8.0	PVC	120.0	1.280	113.4	0.72
P-12	388	J-5	J-14	8.0	PVC	120.0	1.280	110.9	0.71
P-13	186	J-14	J-15	8.0	PVC	120.0	0.350	2.5	0.02
P-14	180	J-15	J-16	8.0	PVC	120.0	0.000	5.9	0.04
P-15	395	J-16	J-17	8.0	PVC	120.0	0.750	155.8	0.99
P-16	374	J-17	J-18	8.0	PVC	120.0	0.750	332.6	2.12
P-17	388	J-18	J-19	8.0	PVC	120.0	0.750	281.7	1.80
P-18	400	J-19	J-20	8.0	PVC	120.0	0.750	270.6	1.73
P-19	394	J-20	J-21	8.0	PVC	120.0	0.350	152.2	0.97
P-20	379	J-21	J-22	8.0	PVC	120.0	0.750	154.5	0.99
P-21	373	J-22	J-23	8.0	PVC	120.0	0.350	130.2	0.83
P-22	377	J-23	J-24	8.0	PVC	120.0	0.750	122.9	0.78
P-23	393	J-24	J-25	8.0	PVC	120.0	1.280	72.2	0.46
P-24	375	J-15	J-26	2.0	PVC	120.0	1.280	8.4	0.86
P-25	571	J-26	J-6	8.0	PVC	120.0	0.750	2.7	0.02
P-26	184	J-26	J-27	8.0	PVC	120.0	0.350	11.0	0.07
P-27	393	J-27	J-28	8.0	PVC	120.0	0.750	13.5	0.09
P-28	377	J-28	J-29	8.0	PVC	120.0	1.280	100.6	0.64
P-30	387	J-31	J-17	12.0	PVC	120.0	0.500	851.3	2.41
P-31	385	J-31	J-32	8.0	PVC	120.0	0.350	219.8	1.40
P-32	147	J-33	J-16	6.0	PVC	120.0	0.500	0.0	0.00
P-33	376	J-16	J-27	6.0	PVC	120.0	0.500	149.9	1.70
P-34	404	J-27	J-34	6.0	PVC	120.0	0.350	134.0	1.52
P-35	354	J-34	J-40	6.0	PVC	120.0	0.350	93.9	1.07
P-36	392	J-40	J-36	6.0	PVC	120.0	0.500	95.0	1.08
P-38	387	J-37	J-38	6.0	PVC	120.0	0.350	86.2	0.98
P-39	371	J-38	J-39	6.0	PVC	120.0	0.200	63.2	0.72
P-41	371	J-40	J-41	8.0	PVC	120.0	1.280	10.2	0.06
P-42	27	J-41	J-42	8.0	PVC	120.0	0.350	10.2	0.06
P-43	379	J-42	J-43	8.0	PVC	120.0	0.750	41.6	0.27
P-45	366	J-45	J-295	6.0	PVC	120.0	1.280	76.3	0.87
P-47	360	J-9	J-45	6.0	PVC	120.0	1.280	30.1	0.34
P-48	389	J-45	J-48	6.0	PVC	120.0	0.500	53.1	0.60
P-50	398	J-36	J-48	6.0	PVC	120.0	0.750	77.0	0.87
P-52	358	J-48	J-10	6.0	PVC	120.0	0.000	34.4	0.39
P-53	356	J-48	J-50	2.0	PVC	120.0	0.000	0.0	0.00
P-55	388	J-51	J-18	8.0	PVC	120.0	0.500	116.5	0.74
P-56	185	J-51	J-52	8.0	PVC	120.0	0.000	422.9	2.70
P-57	376	J-17	J-28	8.0	PVC	120.0	0.500	362.9	2.32
P-59	389	J-42	J-53	8.0	PVC	120.0	0.500	217.3	1.39
P-60	381	J-53	J-54	8.0	PVC	120.0	0.000	170.5	1.09
P-61	384	J-54	J-55	8.0	PVC	120.0	0.350	170.5	1.09
P-62	404	J-55	J-58	8.0	PVC	120.0	0.500	152.5	0.97
P-64	386	J-58	J-59	8.0	PVC	120.0	1.280	112.1	0.72
P-65	390	J-59	J-39	8.0	PVC	120.0	0.500	113.8	0.73
P-67	338	J-37	J-61	6.0	PVC	120.0	0.750	0.0	0.00
P-69	375	J-55	J-37	6.0	PVC	120.0	1.280	18.1	0.20
P-70	391	J-58	J-38	2.0	PVC	120.0	1.280	2.5	0.26
P-71	362	J-36	J-62	8.0	PVC	120.0	0.750	70.8	0.45
P-72	29	J-62	J-53	8.0	PVC	120.0	0.350	70.8	0.45
P-75	340	J-43	J-65	6.0	PVC	120.0	0.000	0.0	0.00
P-76	376	J-18	J-29	8.0	PVC	120.0	0.350	167.3	1.07
P-78	383	J-66	J-19	8.0	PVC	120.0	1.280	42.8	0.27
P-80	221	J-43	J-79	8.0	PVC	120.0	0.750	234.5	1.50
P-83	132	J-68	J-69	6.0	PVC	120.0	0.800	0.0	0.00
P-85	384	J-445	J-68	8.0	PVC	120.0	0.350	4.5	0.03
P-87	389	J-71	J-21	8.0	PVC	120.0	0.500	72.3	0.46
P-88	626	J-20	J-72	6.0	PVC	120.0	1.280	91.4	1.04
P-97	395	J-73	J-81	8.0	PVC	120.0	0.750	141.9	0.91
P-99	299	J-80	J-81	3.0	PVC	120.0	0.500	0.0	0.00
P-100	369	J-81	J-63	8.0	PVC	120.0	0.350	100.0	0.64
P-101	366	J-63	J-82	8.0	PVC	120.0	0.350	199.6	1.27
P-103	20	J-83	J-84	8.0	PVC	120.0	0.500	98.1	0.63
P-104	369	J-84	J-85	8.0	PVC	120.0	1.280	69.6	0.44
P-107	374	J-59	J-86	8.0	PVC	120.0	0.350	39.2	0.25
P-109	390	J-86	J-85	8.0	PVC	120.0	0.750	41.7	0.27
P-110	389	J-85	J-88	8.0	PVC	120.0	1.280	26.1	0.17
P-111	368	J-88	J-75	8.0	PVC	120.0	0.350	58.4	0.37
P-112	390	J-75	J-84	8.0	PVC	120.0	0.750	24.0	0.15
P-113	214	J-86	J-89	8.0	PVC	120.0	0.350	7.0	0.04
P-114	166	J-89	J-90	8.0	PVC	120.0	1.280	(N/A)	(N/A)
P-115	178	J-89	J-92	8.0	PVC	120.0	0.500	7.0	0.04
P-116	157	J-92	J-93	8.0	PVC	120.0	0.500	11.2	0.07
P-117	284	J-94	J-95	6.0	PVC	120.0	0.000	0.0	0.00
P-118	491	J-95	J-96	2.0	PVC	120.0	1.280	0.0	0.00
P-119	220	J-95	J-97	6.0	PVC	120.0	0.350	12.0	0.14
P-120	282	J-97	J-93	2.0	PVC	120.0	0.300	0.1	0.01
P-121	432	J-93	J-98	2.0	PVC	120.0	0.300	1.0	0.10
P-122	209	J-97	J-92	8.0	PVC	120.0	0.500	11.9	0.08

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-125	387	J-99	J-100	8.0	PVC	120.0	0.000	9.1	0.06
P-126	34	J-100	J-101	8.0	PVC	120.0	1.280	4.6	0.03
P-127	371	J-102	J-103	8.0	PVC	120.0	0.350	67.5	0.43
P-128	377	J-103	J-100	8.0	PVC	120.0	0.800	4.5	0.03
P-129	291	J-103	J-104	8.0	PVC	120.0	1.280	0.0	0.00
P-130	384	J-88	J-99	8.0	PVC	120.0	0.500	32.3	0.21
P-131	213	J-99	J-105	8.0	PVC	120.0	0.500	7.3	0.05
P-132	421	J-105	J-98	8.0	PVC	120.0	0.300	1.0	0.01
P-134	107	J-106	J-107	8.0	PVC	120.0	0.500	48.0	0.31
P-137	420	J-110	J-111	8.0	PVC	120.0	0.300	13.8	0.09
P-138	420	J-111	J-112	8.0	PVC	120.0	0.300	34.1	0.22
P-139	417	J-112	J-101	8.0	PVC	120.0	0.000	14.7	0.09
P-141	444	J-101	J-105	8.0	PVC	120.0	0.350	10.1	0.06
P-143	606	J-114	J-112	2.0	PVC	120.0	0.500	1.5	0.16
P-144	400	J-114	J-102	6.0	PVC	120.0	0.750	16.2	0.18
P-145	380	J-102	J-75	6.0	PVC	120.0	0.750	2.2	0.02
P-146	379	J-114	J-115	6.0	PVC	120.0	0.750	19.6	0.22
P-147	292	J-115	J-116	6.0	PVC	120.0	0.750	17.4	0.20
P-148	89	J-116	J-117	6.0	PVC	120.0	1.280	17.4	0.20
P-149	429	J-111	J-115	6.0	PVC	120.0	0.500	20.4	0.23
P-150	387	J-115	J-118	6.0	PVC	120.0	0.500	18.1	0.21
P-151	406	J-118	J-119	6.0	PVC	120.0	0.350	19.7	0.22
P-152	372	J-118	J-120	2.0	PVC	120.0	1.280	1.5	0.16
P-154	9	J-122	J-123	6.0	PVC	120.0	0.750	79.6	0.90
P-155	381	J-122	J-24	6.0	PVC	120.0	0.500	26.5	0.30
P-157	385	J-124	J-125	6.0	PVC	120.0	0.500	21.1	0.24
P-158	383	J-125	J-126	6.0	PVC	120.0	0.350	19.3	0.22
P-159	374	J-126	J-127	6.0	PVC	120.0	0.500	18.1	0.21
P-160	406	J-127	J-120	6.0	PVC	120.0	0.350	30.9	0.35
P-161	383	J-120	J-117	6.0	PVC	120.0	0.350	6.5	0.07
P-162	261	J-117	J-110	6.0	PVC	120.0	0.500	10.8	0.12
P-163	392	J-109	J-127	8.0	PVC	120.0	1.280	14.3	0.09
P-164	372	J-127	J-119	8.0	PVC	120.0	0.750	27.1	0.17
P-166	402	J-443	J-74	8.0	PVC	120.0	0.750	79.8	0.51
P-167	397	J-74	J-82	8.0	PVC	120.0	1.280	86.9	0.55
P-170	383	J-25	J-130	8.0	PVC	120.0	0.350	36.1	0.23
P-171	415	J-130	J-131	8.0	PVC	120.0	0.750	9.0	0.06
P-172	363	J-131	J-132	8.0	PVC	120.0	0.350	0.0	0.00
P-173(1)	58	J-132	PRV-15	6.0	PVC	120.0	0.200	(N/A)	(N/A)
P-173(2)	205	PRV-15	J-133	6.0	PVC	120.0	0.200	(N/A)	(N/A)
P-174	263	J-133	J-134	6.0	PVC	120.0	1.280	0.0	0.00
P-175	310	J-133	J-135	6.0	PVC	120.0	0.350	24.0	0.27
P-177	306	J-136	J-137	6.0	PVC	120.0	0.350	72.0	0.82
P-178	322	J-137	J-138	6.0	PVC	120.0	0.350	61.6	0.70
P-179	254	J-138	J-139	6.0	PVC	120.0	0.350	52.6	0.60
P-181	235	J-139	J-141	6.0	PVC	120.0	0.350	12.0	0.14
P-182	22	J-142	J-143	2.0	PVC	120.0	0.750	0.0	0.00
P-183	49	J-143	J-144	2.0	PVC	120.0	0.000	0.0	0.00
P-185	228	J-145	J-146	6.0	PVC	120.0	0.000	0.0	0.00
P-195	384	J-151	J-22	8.0	PVC	120.0	1.280	31.1	0.20
P-196	377	J-130	J-123	8.0	PVC	120.0	0.000	79.6	0.51
P-198	359	J-132	J-153	2.0	PVC	120.0	1.280	0.0	0.00
P-199	359	J-131	J-154	6.0	PVC	120.0	1.280	9.0	0.10
P-201	383	J-156	J-23	8.0	PVC	120.0	0.500	7.3	0.05
P-203	391	J-151	J-71	8.0	PVC	120.0	0.750	167.4	1.07
P-204	256	J-71	J-158	8.0	PVC	120.0	0.000	162.8	1.04
P-205	378	J-122	J-156	8.0	PVC	120.0	0.750	106.1	0.68
P-206	361	J-156	J-151	8.0	PVC	120.0	0.750	136.3	0.87
P-207	380	J-124	J-159	6.0	PVC	120.0	0.750	21.0	0.24
P-210	379	J-162	J-159	8.0	PVC	120.0	0.500	21.0	0.13
P-211	65	J-159	J-163	0.8	PVC	120.0	0.750	0.0	0.00
P-212	378	J-125	J-162	6.0	PVC	120.0	0.750	9.6	0.11
P-213	359	J-162	J-165	6.0	PVC	120.0	0.750	12.0	0.14
P-215	388	J-165	J-166	6.0	PVC	120.0	0.750	64.0	0.73
P-216	399	J-166	J-73	6.0	PVC	120.0	0.750	76.2	0.86
P-217	528	J-166	J-167	6.0	PVC	120.0	0.500	69.9	0.79
P-218	225	J-167	J-168	6.0	PVC	120.0	0.350	69.9	0.79
P-219	112	J-167	J-169	6.0	PVC	120.0	1.280	0.0	0.00
P-220	378	J-165	J-170	8.0	PVC	120.0	0.500	0.0	0.00
P-221	376	J-165	J-171	8.0	PVC	120.0	0.500	32.4	0.21
P-222	75	J-126	J-172	2.0	PVC	120.0	1.280	1.1	0.12
P-223	299	J-172	J-160	3.0	PVC	120.0	0.750	1.1	0.05
P-224	410	J-160	J-171	3.0	PVC	120.0	0.750	2.7	0.12
P-225	181	J-171	J-173	3.0	PVC	120.0	0.000	0.0	0.00
P-226	398	J-166	J-174	8.0	PVC	120.0	0.000	82.2	0.52
P-227	350	J-174	J-443	8.0	PVC	120.0	0.500	82.2	0.52
P-228	370	J-160	J-119	8.0	PVC	120.0	0.500	9.0	0.06
P-229	488	J-110	J-175	2.0	PVC	120.0	0.000	0.0	0.00
P-230	210	J-176	J-177	2.0	PVC	120.0	0.500	15.0	1.53
P-231	386	J-177	J-178	2.0	PVC	120.0	0.300	0.0	0.00
P-232	78	J-177	J-179	2.0	PVC	120.0	0.800	15.0	1.53
P-233	361	J-180	J-181	2.0	PVC	120.0	1.280	7.5	0.77
P-235	220	J-183	J-184	2.0	PVC	120.0	0.750	0.0	0.00
P-239	420	J-185	J-182	6.0	PVC	120.0	1.280	29.5	0.33
P-240	281	J-60	J-186	12.0	PVC	120.0	0.000	177.0	0.50
P-241	143	J-186	J-185	6.0	PVC	120.0	0.350	145.5	1.65

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-243	297	J-187	J-188	6.0	PVC	120.0	1.280	121.9	1.38
P-244	215	J-187	J-189	6.0	PVC	120.0	0.350	121.9	1.38
P-245	218	J-189	J-190	6.0	PVC	120.0	0.350	80.8	0.92
P-248	23	J-192	J-193	6.0	PVC	120.0	1.280	25.2	0.29
P-250	47	J-194	J-196	6.0	PVC	120.0	0.350	106.2	1.20
P-252	84	J-197	J-198	6.0	PVC	120.0	0.500	45.6	0.52
P-253	126	J-197	J-199	6.0	PVC	120.0	0.500	37.2	0.42
P-254	160	J-199	J-192	6.0	PVC	120.0	1.280	15.8	0.18
P-255	434	J-200	J-201	2.0	PVC	120.0	0.500	0.0	0.00
P-258	166	J-193	J-199	8.0	PVC	120.0	0.350	22.2	0.14
P-259	68	J-199	J-198	8.0	PVC	120.0	0.750	0.8	0.01
P-262	150	J-203	J-204	6.0	PVC	120.0	0.000	4.1	0.05
P-264	437	J-194	J-206	8.0	PVC	120.0	0.350	138.7	0.89
P-265	287	J-206	J-207	8.0	PVC	120.0	0.350	192.9	1.23
P-266	294	J-207	J-107	8.0	PVC	120.0	0.350	264.5	1.69
P-268	558	J-106	J-209	6.0	PVC	120.0	1.280	12.0	0.14
P-269	498	J-209	J-210	6.0	PVC	120.0	0.500	0.0	0.00
P-270	651	J-209	J-211	6.0	PVC	120.0	0.000	0.0	0.00
P-272	331	J-212	J-213	6.0	PVC	120.0	1.280	10.7	0.12
P-274	487	J-212	J-214	6.0	PVC	120.0	0.350	42.9	0.49
P-275	313	J-214	J-215	6.0	PVC	120.0	0.350	12.9	0.15
P-276	187	J-215	J-216	6.0	PVC	120.0	0.000	3.9	0.04
P-277	202	J-213	J-217	4.0	PVC	120.0	0.750	4.5	0.11
P-278	305	J-214	J-218	4.0	PVC	120.0	1.280	10.5	0.27
P-279	305	J-215	J-219	4.0	PVC	120.0	1.280	9.0	0.23
P-280	307	J-213	J-204	8.0	PVC	120.0	0.350	30.3	0.19
P-282	492	J-204	J-221	8.0	PVC	120.0	1.280	34.4	0.22
P-283	308	J-221	J-222	8.0	PVC	120.0	0.350	4.4	0.03
P-285	261	J-223	J-224	8.0	PVC	120.0	0.350	149.2	0.95
P-286	261	J-224	J-225	8.0	PVC	120.0	0.350	167.2	1.07
P-287	158	J-225	J-226	8.0	PVC	120.0	0.350	183.7	1.17
P-288	287	J-226	J-227	8.0	PVC	120.0	0.750	183.7	1.17
P-289	304	J-221	J-228	4.0	PVC	120.0	1.280	9.0	0.23
P-290	304	J-222	J-229	4.0	PVC	120.0	1.280	9.0	0.23
P-291	386	J-223	J-230	6.0	PVC	120.0	1.280	16.5	0.19
P-292	387	J-224	J-231	6.0	PVC	120.0	1.280	18.0	0.20
P-293	385	J-225	J-232	6.0	PVC	120.0	1.280	16.5	0.19
P-294	171	J-226	J-233	2.0	PVC	120.0	1.280	0.0	0.00
P-295	565	J-234	J-227	12.0	PVC	120.0	0.500	133.9	0.38
P-301	395	J-238	J-239	8.0	PVC	120.0	0.000	0.0	0.00
P-302	619	J-239	J-240	8.0	PVC	120.0	1.280	0.0	0.00
P-304	308	J-241	J-242	10.0	PVC	120.0	0.300	9.0	0.04
P-312	554	J-250	J-251	10.0	PVC	120.0	1.280	1,210.5	4.94
P-313	653	J-252	J-253	10.0	PVC	120.0	0.000	1,141.5	4.66
P-314	333	J-253	J-254	10.0	PVC	120.0	0.350	257.5	1.05
P-315	275	J-253	J-251	8.0	PVC	120.0	1.280	884.0	5.64
P-317	535	J-255	J-256	8.0	PVC	120.0	1.280	293.5	1.87
P-318	512	J-256	J-254	8.0	PVC	120.0	0.350	272.5	1.74
P-321	238	J-258	J-259	6.0	PVC	120.0	0.800	0.0	0.00
P-322	351	J-258	J-260	16.0	PVC	120.0	0.000	0.0	0.00
P-325	394	J-262	J-263	6.0	PVC	120.0	0.350	3.0	0.03
P-327	337	J-264	J-261	6.0	PVC	120.0	0.000	1.6	0.02
P-329	461	J-265	J-262	6.0	PVC	120.0	0.800	1.4	0.02
P-331	238	J-7	J-266	1.5	PVC	120.0	0.000	0.0	0.00
P-332	462	J-196	J-267	1.5	PVC	120.0	1.280	4.5	0.82
P-333	390	J-40	J-45	8.0	PVC	120.0	1.280	30.8	0.20
P-334	169	J-72	J-268	3.0	PVC	120.0	1.280	0.0	0.00
P-336	436	J-269	J-136	6.0	PVC	120.0	0.800	29.6	0.34
P-338	319	J-270	J-147	6.0	PVC	120.0	0.800	49.4	0.56
P-339	458	J-137	J-271	6.0	PVC	120.0	1.280	10.4	0.12
P-340	512	J-271	J-270	6.0	PVC	120.0	0.000	49.4	0.56
P-341	502	J-147	J-272	6.0	PVC	120.0	1.280	40.4	0.46
P-342	403	J-272	J-138	6.0	PVC	120.0	1.280	8.9	0.10
P-343	414	J-139	J-273	6.0	PVC	120.0	1.280	64.6	0.73
P-344	439	J-273	J-148	6.0	PVC	120.0	0.350	64.6	0.73
P-346	101	J-274	J-150	8.0	PVC	120.0	0.800	0.0	0.00
P-347	539	J-149	J-276	8.0	PVC	120.0	0.350	21.0	0.13
P-348	549	J-276	J-274	8.0	PVC	120.0	0.800	21.0	0.13
P-349	504	J-149	J-277	12.0	PVC	120.0	0.200	198.0	0.56
P-350	349	J-277	J-143	12.0	PVC	120.0	0.000	198.0	0.56
P-351	438	J-148	J-278	12.0	PVC	120.0	0.200	154.5	0.44
P-352	523	J-278	J-149	12.0	PVC	120.0	1.280	177.0	0.50
P-353	183	J-148	J-279	6.0	PVC	120.0	1.280	89.9	1.02
P-354	240	J-279	J-147	6.0	PVC	120.0	0.350	89.9	1.02
P-355	356	J-145	J-280	6.0	PVC	120.0	0.350	6.4	0.07
P-356	416	J-280	J-136	6.0	PVC	120.0	1.280	42.4	0.48
P-357	334	J-135	J-281	6.0	PVC	120.0	0.800	17.6	0.20
P-358	312	J-281	J-269	6.0	PVC	120.0	0.000	29.6	0.34
P-359	676	J-143	J-282	12.0	PVC	120.0	0.500	198.0	0.56
P-361	528	J-282	J-387	12.0	PVC	120.0	0.000	208.5	0.59
P-362	604	J-283	J-151	8.0	PVC	120.0	0.500	0.0	0.00
P-363	371	J-155	J-284	8.0	PVC	120.0	0.000	0.0	0.00
P-364	384	J-284	J-156	8.0	PVC	120.0	0.500	37.5	0.24
P-365	384	J-121	J-285	6.0	PVC	120.0	0.000	0.0	0.00
P-366	389	J-285	J-122	6.0	PVC	120.0	0.500	0.0	0.00
P-367	384	J-152	J-286	8.0	PVC	120.0	0.000	0.0	0.00

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-368	390	J-286	J-130	8.0	PVC	120.0	0.500	34.5	0.22
P-369	362	J-129	J-287	8.0	PVC	120.0	0.350	91.8	0.59
P-370	358	J-287	J-25	8.0	PVC	120.0	0.000	91.8	0.59
P-371	361	J-24	J-288	6.0	PVC	120.0	0.500	53.2	0.60
P-372	367	J-288	J-124	6.0	PVC	120.0	0.500	53.2	0.60
P-373	418	J-445	J-289	8.0	PVC	120.0	1.280	96.3	0.61
P-374	381	J-289	J-71	8.0	PVC	120.0	0.500	76.8	0.49
P-375	379	J-66	J-290	8.0	PVC	120.0	0.350	263.7	1.68
P-376	363	J-290	J-445	8.0	PVC	120.0	1.280	100.8	0.64
P-380	377	J-421	J-31	12.0	PVC	120.0	0.500	1,521.0	4.31
P-381	365	J-13	J-293	8.0	PVC	120.0	0.000	0.0	0.00
P-382	375	J-293	J-12	8.0	PVC	120.0	0.500	0.0	0.00
P-383	374	J-3	J-294	6.0	PVC	120.0	0.000	0.0	0.00
P-384	369	J-294	J-4	6.0	PVC	120.0	0.350	24.0	0.27
P-386	358	J-295	J-7	6.0	PVC	120.0	0.750	36.2	0.41
P-387	399	J-34	J-295	6.0	PVC	120.0	0.500	40.1	0.46
P-389	380	J-28	J-297	8.0	PVC	120.0	0.000	248.8	1.59
P-390	381	J-297	J-42	8.0	PVC	120.0	0.500	248.8	1.59
P-391	375	J-29	J-298	8.0	PVC	120.0	0.000	237.9	1.52
P-392	386	J-298	J-43	8.0	PVC	120.0	0.500	237.9	1.52
P-395	428	J-39	J-300	8.0	PVC	120.0	0.300	177.0	1.13
P-396	440	J-300	J-60	8.0	PVC	120.0	0.000	177.0	1.13
P-397	435	J-183	J-301	6.0	PVC	120.0	0.200	93.5	1.06
P-398	322	J-301	J-185	6.0	PVC	120.0	0.000	116.0	1.32
P-400	522	J-302	J-183	6.0	PVC	120.0	0.500	99.0	1.12
P-401	221	J-180	J-501	6.0	PVC	120.0	0.350	82.5	0.94
P-402	599	J-303	J-302	6.0	PVC	120.0	0.100	99.0	1.12
P-403	547	J-179	J-304	6.0	PVC	120.0	0.800	15.0	0.17
P-404	534	J-304	J-180	6.0	PVC	120.0	0.350	75.0	0.85
P-405	434	J-186	J-305	8.0	PVC	120.0	1.280	21.0	0.13
P-407	291	J-305	J-306	8.0	PVC	120.0	0.350	21.0	0.13
P-409	429	J-306	J-307	8.0	PVC	120.0	0.000	21.0	0.13
P-411	424	J-307	J-308	8.0	PVC	120.0	0.000	0.0	0.00
P-413	358	J-308	J-309	8.0	PVC	120.0	0.800	0.0	0.00
P-414(1)	134	J-309	PRV-17	6.0	PVC	120.0	0.000	(N/A)	(N/A)
P-414(2)	211	PRV-17	J-187	6.0	PVC	120.0	0.000	(N/A)	(N/A)
P-415	498	J-189	J-310	6.0	PVC	120.0	1.280	41.0	0.47
P-416	494	J-310	J-191	6.0	PVC	120.0	0.000	41.0	0.47
P-417	495	J-191	J-311	6.0	PVC	120.0	0.000	41.0	0.47
P-418	379	J-311	J-192	6.0	PVC	120.0	0.350	41.0	0.47
P-419	365	J-198	J-312	8.0	PVC	120.0	1.280	44.8	0.29
P-421	495	J-312	J-313	8.0	PVC	120.0	0.000	44.8	0.29
P-423	491	J-313	J-314	8.0	PVC	120.0	0.000	80.8	0.52
P-424	507	J-314	J-190	8.0	PVC	120.0	0.800	80.8	0.52
P-425	96	J-200	J-315	8.0	PVC	120.0	0.200	3.0	0.02
P-426	182	J-315	J-193	8.0	PVC	120.0	0.800	3.0	0.02
P-427	156	J-202	J-317	8.0	PVC	120.0	0.200	0.0	0.00
P-428	84	J-317	J-200	8.0	PVC	120.0	0.300	0.0	0.00
P-429	592	J-196	J-318	6.0	PVC	120.0	0.000	101.7	1.15
P-430	227	J-318	J-197	6.0	PVC	120.0	0.300	82.8	0.94
P-431	418	J-194	J-319	6.0	PVC	120.0	1.280	32.6	0.37
P-432	448	J-319	J-203	6.0	PVC	120.0	1.280	17.6	0.20
P-433	147	J-203	J-322	4.0	PVC	120.0	0.800	13.5	0.34
P-434	209	J-322	J-205	4.0	PVC	120.0	0.000	0.0	0.00
P-435	397	J-222	J-323	8.0	PVC	120.0	0.200	4.6	0.03
P-437	693	J-323	J-324	8.0	PVC	120.0	0.200	25.6	0.16
P-439	555	J-324	J-325	8.0	PVC	120.0	1.280	45.1	0.29
P-440	284	J-325	J-223	8.0	PVC	120.0	0.350	132.7	0.85
P-441	679	J-227	J-326	12.0	PVC	120.0	0.000	2,308.0	6.55
P-443	549	J-326	J-327	12.0	PVC	120.0	0.350	2,314.0	6.56
P-444	176	J-327	J-651	12.0	PVC	120.0	0.000	2,335.0	6.62
P-445	307	J-236	J-652	16.0	PVC	120.0	0.000	2,335.0	3.73
P-447(1)	262	J-328	J-1487	16.0	PVC	120.0	0.350	1,614.1	2.58
P-447(2)	227	J-1487	J-329	16.0	PVC	120.0	0.000	1,633.6	2.61
P-449	466	J-329	J-330	16.0	PVC	120.0	0.000	1,633.6	2.61
P-451(1)	27	J-330	J-1693	16.0	PVC	120.0	0.000	1,633.6	2.61
P-451(2)	582	J-1693	J-331	16.0	PVC	120.0	0.000	720.5	1.15
P-453	397	J-331	J-332	16.0	PVC	120.0	0.350	720.5	1.15
P-454	387	J-332	J-237	16.0	PVC	120.0	0.000	720.5	1.15
P-457	519	J-237	J-334	16.0	PVC	120.0	0.000	720.5	1.15
P-458	509	J-334	J-333	16.0	PVC	120.0	0.000	720.5	1.15
P-459	450	J-333	J-870	16.0	PVC	120.0	0.000	722.0	1.15
P-460	568	J-335	J-235	16.0	PVC	120.0	0.800	722.0	1.15
P-463	287	J-239	J-337	8.0	PVC	120.0	0.350	9.0	0.06
P-464	381	J-337	J-336	8.0	PVC	120.0	0.000	9.0	0.06
P-465	442	J-336	J-338	8.0	PVC	120.0	0.000	9.0	0.06
P-466	522	J-338	J-241	8.0	PVC	120.0	0.500	9.0	0.06
P-467	343	J-255	J-339	8.0	PVC	120.0	0.000	0.0	0.00
P-468	395	J-339	J-257	8.0	PVC	120.0	0.000	0.0	0.00
P-469	262	J-251	J-340	8.0	PVC	120.0	0.350	326.5	2.08
P-471	394	J-340	J-341	8.0	PVC	120.0	0.800	326.5	2.08
P-472	450	J-341	J-255	8.0	PVC	120.0	0.350	293.5	1.87
P-475	427	J-256	J-343	8.0	PVC	120.0	0.000	21.0	0.13
P-476	431	J-343	J-342	8.0	PVC	120.0	0.000	21.0	0.13
P-477	452	J-342	J-344	8.0	PVC	120.0	0.000	21.0	0.13
P-478	502	J-344	J-243	8.0	PVC	120.0	0.800	21.0	0.13

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-481	433	J-345	J-346	10.0	PVC	120.0	0.000	13.5	0.06
P-482	470	J-346	J-243	10.0	PVC	120.0	0.500	21.0	0.09
P-483	403	J-242	J-347	10.0	PVC	120.0	0.300	9.0	0.04
P-484	443	J-347	J-345	10.0	PVC	120.0	0.000	13.5	0.06
P-487	341	J-262	J-349	6.0	PVC	120.0	0.500	1.6	0.02
P-488	316	J-349	J-264	6.0	PVC	120.0	0.000	1.6	0.02
P-489	154	J-261	J-350	6.0	PVC	120.0	1.280	1.4	0.02
P-490	682	J-350	J-265	6.0	PVC	120.0	0.800	1.4	0.02
P-495	627	J-260	J-353	6.0	PVC	120.0	0.200	3.0	0.03
P-497	403	J-353	J-354	6.0	PVC	120.0	0.000	3.0	0.03
P-498	479	J-354	J-351	6.0	PVC	120.0	0.000	3.0	0.03
P-499	386	J-351	J-355	6.0	PVC	120.0	0.000	3.0	0.03
P-500	422	J-355	J-352	6.0	PVC	120.0	0.000	3.0	0.03
P-501	365	J-352	J-356	6.0	PVC	120.0	0.000	3.0	0.03
P-502	390	J-356	J-261	6.0	PVC	120.0	0.350	3.0	0.03
P-503	404	J-109	J-357	8.0	PVC	120.0	0.000	46.4	0.30
P-505	471	J-357	J-358	8.0	PVC	120.0	0.200	28.4	0.18
P-506	424	J-358	J-110	8.0	PVC	120.0	0.750	28.4	0.18
P-507	436	J-98	J-359	8.0	PVC	120.0	0.500	0.0	0.00
P-509(1)	92	J-359	PRV-18	8.0	PVC	120.0	0.100	(N/A)	(N/A)
P-509(2)	380	PRV-18	J-360	8.0	PVC	120.0	0.100	(N/A)	(N/A)
P-510	426	J-360	J-106	8.0	PVC	120.0	0.350	0.0	0.00
P-513	310	J-361	J-362	8.0	PVC	120.0	0.000	318.5	2.03
P-514	302	J-362	J-208	8.0	PVC	120.0	0.000	318.5	2.03
P-515	308	J-107	J-363	8.0	PVC	120.0	0.000	312.5	1.99
P-516	308	J-363	J-361	8.0	PVC	120.0	0.000	312.5	1.99
P-517	384	J-82	J-364	8.0	PVC	120.0	0.000	112.7	0.72
P-518	386	J-364	J-83	8.0	PVC	120.0	0.350	112.7	0.72
P-519	369	J-84	J-365	3.0	PVC	120.0	0.800	4.5	0.20
P-520	371	J-365	J-86	3.0	PVC	120.0	0.500	4.5	0.20
P-521	378	J-83	J-366	8.0	PVC	120.0	1.280	37.9	0.24
P-522	385	J-366	J-58	8.0	PVC	120.0	0.750	37.9	0.24
P-523	380	J-36	J-367	6.0	PVC	120.0	0.000	101.1	1.15
P-524	387	J-367	J-37	6.0	PVC	120.0	0.500	68.1	0.77
P-525	387	J-53	J-368	8.0	PVC	120.0	0.750	99.6	0.64
P-527	111	J-135	J-369	6.0	PVC	120.0	1.280	6.4	0.07
P-528	357	J-369	J-145	6.0	PVC	120.0	1.280	6.4	0.07
P-530	362	J-370	J-109	8.0	PVC	120.0	0.350	32.1	0.21
P-531	391	J-119	J-113	8.0	PVC	120.0	0.750	37.8	0.24
P-532	364	J-113	J-443	8.0	PVC	120.0	0.750	76.5	0.49
P-533	399	J-113	J-372	8.0	PVC	120.0	0.350	39.9	0.25
P-534	393	J-372	J-114	8.0	PVC	120.0	0.500	37.4	0.24
P-535	361	J-73	J-373	6.0	PVC	120.0	0.000	76.1	0.86
P-536	379	J-373	J-74	6.0	PVC	120.0	0.500	46.1	0.52
P-537	400	J-74	J-374	6.0	PVC	120.0	0.000	53.2	0.60
P-538	391	J-374	J-75	6.0	PVC	120.0	0.500	32.2	0.37
P-539	371	J-19	J-375	8.0	PVC	120.0	0.500	7.4	0.05
P-540	327	J-375	J-299	8.0	PVC	120.0	0.100	7.4	0.05
P-541	386	J-92	J-376	8.0	PVC	120.0	0.750	16.0	0.10
P-542	393	J-376	J-99	8.0	PVC	120.0	0.750	34.0	0.22
P-543	528	J-182	J-377	2.0	PVC	120.0	0.200	5.5	0.56
P-544	257	J-377	J-183	2.0	PVC	120.0	0.800	5.5	0.56
P-546	140	J-378	J-206	6.0	PVC	120.0	1.280	54.1	0.61
P-547	472	J-213	J-379	6.0	PVC	120.0	0.500	42.1	0.48
P-548	362	J-379	J-378	6.0	PVC	120.0	0.350	54.1	0.61
P-549	223	J-207	J-380	6.0	PVC	120.0	1.280	71.6	0.81
P-551	307	J-380	J-381	6.0	PVC	120.0	0.350	71.6	0.81
P-553	303	J-381	J-382	6.0	PVC	120.0	0.000	53.6	0.61
P-554	345	J-382	J-212	6.0	PVC	120.0	0.350	53.6	0.61
P-556	58	City Hill Tank	J-30	12.0	PVC	120.0	0.000	1,521.0	4.31
P-559	327	J-2	J-385	6.0	PVC	120.0	0.000	0.0	0.00
P-560	375	J-385	J-291	6.0	PVC	120.0	0.000	0.0	0.00
P-569(1)	42	J-283	PRV-16	8.0	PVC	120.0	0.000	(N/A)	(N/A)
P-569(2)	35	PRV-16	J-392	8.0	PVC	120.0	0.000	(N/A)	(N/A)
P-571	18	R-7	GPV-1	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-572	13	GPV-1	Well 3	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-573	16	Well 3	J-157	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-574	52	R-8	GPV-2	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-575	55	GPV-2	Well 1	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-576	49	Well 1	J-82	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-577	37	R-9	GPV-3	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-578	31	GPV-3	Well 2	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-579	26	Well 2	J-90	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-601	86	Airport GST	Airport-3	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-602	119	Airport-3	J-391	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-603	62	J-391	J-260	16.0	PVC	120.0	0.000	3.0	0.00
P-604	111	Airport GST	Airport-1	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-605	99	Airport-1	J-391	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-611	10	J-392	J-387	8.0	PVC	120.0	0.800	208.5	1.33
P-616	96	Airport GST	Airport-2	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-617	93	Airport-2	J-391	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-631	534	J-1409	J-241	10.0	PVC	120.0	0.000	0.0	0.00
P-690	371	J-291	J-51	6.0	PVC	120.0	0.500	0.0	0.00
P-692	354	J-30	J-421	12.0	PVC	120.0	0.800	1,521.0	4.31
P-717	62	J-23	J-426	8.0	PVC	120.0	0.350	0.0	0.00
P-718	66	J-426	J-157	8.0	PVC	120.0	1.280	(N/A)	(N/A)

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-741	389	J-431	J-370	8.0	PVC	120.0	0.000	53.1	0.34
P-742	391	J-125	J-431	6.0	PVC	120.0	1.280	7.8	0.09
P-743	399	J-129	J-431	8.0	PVC	120.0	0.350	60.9	0.39
P-748	385	J-66	J-51	8.0	PVC	120.0	0.750	306.5	1.96
P-750	162	J-290	J-158	8.0	PVC	120.0	0.350	162.8	1.04
P-751	375	J-21	J-168	6.0	PVC	120.0	0.000	69.9	0.79
P-763	381	J-444	J-372	12.0	PVC	120.0	1.280	32.0	0.09
P-765	741	J-32	J-432	12.0	PVC	120.0	1.280	0.0	0.00
P-766	192	J-31	J-52	8.0	PVC	120.0	0.750	449.9	2.87
P-789	111	J-72	J-435	6.0	PVC	120.0	0.350	10.4	0.12
P-790	398	J-435	J-73	6.0	PVC	120.0	0.500	10.4	0.12
P-791	124	J-304	J-469	6.0	PVC	120.0	1.280	60.0	0.68
P-792	359	J-154	J-153	6.0	PVC	120.0	0.800	0.0	0.00
P-794	384	J-160	J-162	8.0	PVC	120.0	0.500	42.6	0.27
P-795	394	J-124	J-129	6.0	PVC	120.0	1.280	20.4	0.23
P-796	379	J-113	J-171	8.0	PVC	120.0	0.500	1.2	0.01
P-797	391	J-443	J-444	8.0	PVC	120.0	0.350	85.5	0.55
P-798	401	J-444	J-102	8.0	PVC	120.0	0.500	53.5	0.34
P-799	377	J-32	J-12	8.0	PVC	120.0	0.750	219.8	1.40
P-809	38	J-299	J-436	2.0	PVC	120.0	0.000	7.4	0.75
P-810	432	J-436	J-79	2.0	PVC	120.0	0.500	7.4	0.75
P-813	150	J-368	J-441	8.0	PVC	120.0	0.000	99.6	0.64
P-814	227	J-441	J-63	8.0	PVC	120.0	1.280	99.6	0.64
P-815	90	J-81	J-439	8.0	PVC	120.0	0.000	241.9	1.54
P-816	80	J-439	J-79	8.0	PVC	120.0	0.000	241.9	1.54
P-863(1)(1)	431	J-493	J-1506	16.0	PVC	120.0	0.350	0.0	0.00
P-863(1)(2)	102	J-1506	J-1204	16.0	PVC	120.0	0.350	728.0	1.16
P-863(2)	313	J-1204	J-235	16.0	PVC	120.0	0.000	728.0	1.16
P-871(1)(1)(1)(1)	385	J-498	J-1101	12.0	PVC	120.0	0.350	0.0	0.00
P-871(1)(1)(1)(2)(1)	118	J-1101	J-1570	12.0	PVC	120.0	0.000	0.0	0.00
P-871(1)(1)(1)(2)(2)	127	J-1570	J-1100	12.0	PVC	120.0	0.000	0.0	0.00
P-871(1)(1)(2)	878	J-1100	J-1065	12.0	PVC	120.0	0.000	0.0	0.00
P-871(1)(2)(1)(1)	270	J-1065	J-1573	12.0	PVC	120.0	0.500	0.0	0.00
P-871(1)(2)(1)(2)	165	J-1573	J-1066	12.0	PVC	120.0	0.000	975.0	2.77
P-871(1)(2)(2)	1,127	J-1066	J-1038	12.0	PVC	120.0	0.000	975.0	2.77
P-871(2)(1)	370	J-1038	J-1039	12.0	PVC	120.0	0.100	975.0	2.77
P-871(2)(2)	327	J-1039	J-500	12.0	PVC	120.0	0.500	975.0	2.77
P-872(1)(1)(1)(1)(1)(1)	547	J-500	J-1563	12.0	PVC	120.0	0.000	975.0	2.77
P-872(1)(1)(1)(1)(1)(2)	52	J-1563	J-1020	12.0	PVC	120.0	0.000	975.0	2.77
P-872(1)(1)(1)(1)(2)	457	J-1020	J-1013	12.0	PVC	120.0	0.500	975.0	2.77
P-872(1)(1)(1)(2)	113	J-1013	J-995	12.0	PVC	120.0	0.000	1,950.0	5.53
P-872(1)(1)(2)	386	J-995	J-993	12.0	PVC	120.0	0.000	1,950.0	5.53
P-872(1)(2)	480	J-993	J-991	12.0	PVC	120.0	0.000	1,950.0	5.53
P-872(2)	192	J-991	J-227	12.0	PVC	120.0	0.000	1,950.0	5.53
P-889	51	J-507	J-250	12.0	PVC	120.0	0.000	1,210.5	3.43
P-890	13	J-507	T-28	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-891	21	R-16	PMP-24	16.0	PVC	120.0	0.000	1,790.5	2.86
P-892	30	PMP-24	Medina Valley Tank	16.0	PVC	120.0	0.000	1,790.5	2.86
P-895	16	J-508	PMP-26	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-896	12	PMP-26	J-509	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-897	26	J-508	PMP-27	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-898	18	PMP-27	J-509	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-903	13	J-509	J-507	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-904	14	Medina Valley Tank	J-508	16.0	PVC	120.0	0.000	1,210.5	1.93
P-905	11	J-508	PMP-25	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-907	16	PMP-25	J-509	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-910(1)	203	J-507	PRV-13	16.0	PVC	120.0	0.800	(N/A)	(N/A)
P-910(2)	142	PRV-13	J-235	16.0	PVC	120.0	0.800	(N/A)	(N/A)
P-927	13	J-507	T-29	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-932	273	Alsatian Oaks Tank	J-875	36.0	PVC	120.0	0.750	7,906.5	2.49
P-934	202	R-19	Alsatian Oaks Tank	24.0	PVC	120.0	0.000	98,611.7	69.94
P-1271	605	J-493	J-1116	16.0	PVC	120.0	0.300	0.0	0.00
P-1424	14	J-509	J-1224	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1425	10	J-1224	T-28	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1426	11	J-1224	T-29	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1493	37	City Tank	J-392	12.0	PVC	120.0	0.000	208.5	0.59
P-1495(1)(1)(1)	620	J-1286	J-1385	16.0	PVC	120.0	0.000	441.5	0.70
P-1495(1)(1)(2)	437	J-1385	J-1384	16.0	PVC	120.0	0.050	2,019.5	3.22
P-1495(1)(2)	337	J-1384	J-1380	16.0	PVC	120.0	0.050	2,019.5	3.22
P-1495(2)(1)	289	J-1380	J-1381	16.0	PVC	120.0	0.000	2,019.5	3.22
P-1495(2)(2)(1)(2)	1,559	J-1383	J-1382	16.0	PVC	120.0	0.000	2,019.5	3.22
P-1495(2)(2)(2)	1,307	J-1382	J-905	16.0	PVC	120.0	0.050	2,019.5	3.22
P-1575	362	J-1286	J-1386	16.0	PVC	120.0	0.000	441.5	0.70
P-1596	33	J-652	J-655	16.0	PVC	120.0	0.350	2,335.0	3.73
P-1616	906	J-464	J-208	8.0	PVC	120.0	0.300	318.5	2.03
P-1617	909	J-463	J-464	8.0	PVC	120.0	0.350	318.5	2.03
P-1617	690	J-655	J-1446	16.0	PVC	120.0	1.280	720.9	1.15
P-1618	293	J-1386	J-463	8.0	PVC	120.0	0.000	390.5	2.49
P-1618	890	J-1446	J-1447	16.0	PVC	120.0	0.100	720.9	1.15
P-1619	220	J-1293	J-1386	8.0	PVC	120.0	0.000	51.0	0.33
P-1619(1)	94	J-1447	J-1464	16.0	PVC	120.0	0.000	720.9	1.15
P-1619(2)	144	J-1464	J-1448	16.0	PVC	120.0	0.050	720.9	1.15

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-1620	253	J-462	J-1293	8.0	PVC	120.0	0.000	51.0	0.33
P-1620	327	J-1448	J-1449	16.0	PVC	120.0	0.050	720.9	1.15
P-1621	802	J-486	J-462	8.0	PVC	120.0	0.300	51.0	0.33
P-1621(1)	270	J-1449	J-1465	16.0	PVC	120.0	0.500	720.9	1.15
P-1621(2)	227	J-1465	J-1450	12.0	PVC	120.0	0.000	770.7	2.19
P-1622	555	J-455	J-486	6.0	PVC	120.0	0.000	36.0	0.41
P-1622(1)	178	J-1450	J-1468	12.0	PVC	120.0	0.000	770.7	2.19
P-1622(2)	146	J-1468	J-1451	12.0	PVC	120.0	0.350	770.7	2.19
P-1623	102	J-455	J-456	6.0	PVC	120.0	0.000	36.0	0.41
P-1623	94	J-1451	J-1452	12.0	PVC	120.0	0.000	770.7	2.19
P-1624	306	J-456	J-465	4.0	PVC	120.0	0.200	36.0	0.92
P-1624	132	J-1452	J-1453	12.0	PVC	120.0	0.000	770.7	2.19
P-1625	377	J-465	J-448	4.0	PVC	120.0	0.000	21.0	0.54
P-1625(1)	1,153	J-1453	J-1471	12.0	PVC	120.0	0.000	770.7	2.19
P-1625(2)	255	J-1471	J-1454	12.0	PVC	120.0	0.100	770.7	2.19
P-1626	271	J-448	J-466	4.0	PVC	120.0	0.000	21.0	0.54
P-1627	345	J-466	J-458	4.0	PVC	120.0	0.350	21.0	0.54
P-1628	357	J-458	J-468	3.0	PVC	120.0	0.000	12.0	0.54
P-1628	172	J-1454	J-1457	12.0	PVC	120.0	0.500	770.7	2.19
P-1629	1,046	J-1457	J-1458	16.0	PVC	120.0	0.750	2,019.5	3.22
P-1630	369	J-468	J-460	3.0	PVC	120.0	0.000	12.0	0.54
P-1630	877	J-1458	J-1459	16.0	PVC	120.0	0.000	2,019.5	3.22
P-1631	313	J-460	J-461	2.0	PVC	120.0	0.800	12.0	1.23
P-1631	793	J-1459	J-905	16.0	PVC	120.0	0.050	2,019.5	3.22
P-1632	250	J-458	J-459	2.0	PVC	120.0	1.280	9.0	0.92
P-1633	390	J-188	J-234	10.0	PVC	120.0	0.000	121.9	0.50
P-1634	419	J-501	J-303	6.0	PVC	120.0	0.500	82.5	0.94
P-1635	489	J-651	J-236	16.0	PVC	120.0	0.300	2,335.0	3.73
P-1636	172	J-655	J-328	16.0	PVC	120.0	0.000	1,614.1	2.58
P-1636	458	J-1465	J-1466	8.0	PVC	120.0	0.750	439.5	2.81
P-1637	122	J-870	J-335	16.0	PVC	120.0	0.000	722.0	1.15
P-1651	304	J-1457	J-1483	12.0	PVC	120.0	0.050	1,716.3	4.87
P-1652	362	J-1483	J-1484	12.0	PVC	120.0	0.050	1,716.3	4.87
P-1653	385	J-1484	J-1485	12.0	PVC	120.0	0.050	1,716.3	4.87
P-1654	275	J-1485	J-1486	12.0	PVC	120.0	0.500	1,716.3	4.87
P-1654(1)	382	J-1498	J-1484	12.0	PVC	120.0	0.350	0.0	0.00
P-1654(2)	609	J-1498	J-1485	12.0	PVC	120.0	0.000	0.0	0.00
P-1655	183	J-1487	J-1498	12.0	PVC	120.0	1.280	19.5	0.06
P-1662	504	J-1457	J-1494	16.0	PVC	120.0	0.050	1,073.9	1.71
P-1663	486	J-1494	J-1495	16.0	PVC	120.0	0.050	1,073.9	1.71
P-1664	507	J-1495	J-1496	16.0	PVC	120.0	0.000	1,073.9	1.71
P-1665(1)	233	J-1496	J-1513	16.0	PVC	120.0	0.300	1,073.9	1.71
P-1665(2)	731	J-1513	J-1497	16.0	PVC	120.0	0.000	725.6	1.16
P-1666	566	J-1497	J-1498	16.0	PVC	120.0	0.000	725.6	1.16
P-1667	771	J-1498	J-1499	16.0	PVC	120.0	0.500	725.6	1.16
P-1668	846	J-1499	J-1500	16.0	PVC	120.0	0.000	990.5	1.58
P-1669(1)	256	J-1500	J-1507	16.0	PVC	120.0	0.000	990.5	1.58
P-1669(2)	332	J-1507	J-1501	16.0	PVC	120.0	0.000	990.5	1.58
P-1670	520	J-1501	J-1502	16.0	PVC	120.0	0.050	990.5	1.58
P-1671	318	J-1502	J-1503	16.0	PVC	120.0	0.050	990.5	1.58
P-1672(1)	131	J-1503	J-1519	16.0	PVC	120.0	0.500	990.5	1.58
P-1672(2)	305	J-1519	J-1504	16.0	PVC	120.0	0.050	728.0	1.16
P-1673	490	J-1504	J-1505	16.0	PVC	120.0	0.050	728.0	1.16
P-1674(1)	174	J-1505	J-1525	16.0	PVC	120.0	0.000	728.0	1.16
P-1674(2)	292	J-1525	J-1506	16.0	PVC	120.0	1.280	728.0	1.16
P-1678	723	J-1499	J-1511	8.0	PVC	120.0	0.750	659.2	4.21
P-1679	654	J-1499	J-1512	8.0	PVC	120.0	0.000	394.2	2.52
P-1680(1)	393	J-1513	J-1517	16.0	PVC	120.0	0.500	3,747.5	5.98
P-1680(2)	646	J-1517	J-1514	16.0	PVC	120.0	0.000	3,747.5	5.98
P-1681	841	J-1514	J-1515	16.0	PVC	120.0	0.000	5,006.7	7.99
P-1685	349	J-1519	J-1521	8.0	PVC	120.0	0.000	131.3	0.84
P-1687	362	J-1519	J-1523	8.0	PVC	120.0	0.750	131.3	0.84
P-1704(1)	312	J-1116	PRV-14	12.0	PVC	120.0	0.500	(N/A)	(N/A)
P-1704(2)	46	PRV-14	J-1540	12.0	PVC	120.0	0.500	(N/A)	(N/A)
P-1705	614	J-1540	J-1541	12.0	PVC	120.0	0.050	1,141.5	3.24
P-1706(1)	190	J-1541	J-1559	12.0	PVC	120.0	0.000	1,141.5	3.24
P-1706(2)	544	J-1559	J-1542	12.0	PVC	120.0	0.500	570.8	1.62
P-1707	410	J-1542	J-1543	12.0	PVC	120.0	0.500	570.8	1.62
P-1708(1)	115	J-1543	J-1557	12.0	PVC	120.0	0.000	570.8	1.62
P-1708(2)	445	J-1557	J-1544	12.0	PVC	120.0	0.000	570.8	1.62
P-1709(1)	251	J-1544	J-1554	12.0	PVC	120.0	0.000	570.8	1.62
P-1709(2)	311	J-1554	J-1545	12.0	PVC	120.0	0.500	0.0	0.00
P-1710(1)	94	J-1545	J-1551	12.0	PVC	120.0	0.050	0.0	0.00
P-1710(2)	103	J-1551	J-1546	12.0	PVC	120.0	0.050	0.0	0.00
P-1711	328	J-1546	J-1547	12.0	PVC	120.0	0.050	0.0	0.00
P-1712	172	J-1547	J-1548	12.0	PVC	120.0	0.000	0.0	0.00
P-1713	183	J-1548	J-1549	12.0	PVC	120.0	0.100	0.0	0.00
P-1714	202	J-1549	J-1550	12.0	PVC	120.0	0.100	0.0	0.00
P-1721	510	J-1559	J-1560	8.0	PVC	120.0	0.000	285.4	1.82
P-1722	599	J-1559	J-1561	8.0	PVC	120.0	0.750	285.4	1.82
P-1723	924	J-1013	J-1562	8.0	PVC	120.0	0.750	487.5	3.11
P-1729	571	J-1573	J-1574	8.0	PVC	120.0	0.750	487.5	3.11
P-1730	545	J-1573	J-1575	8.0	PVC	120.0	0.000	487.5	3.11
P-1793	495	J-1554	J-1645	8.0	PVC	120.0	0.000	285.4	1.82
P-1794	441	J-1554	J-1646	8.0	PVC	120.0	0.750	285.4	1.82
P-1795	639	J-1013	J-1648	8.0	PVC	120.0	0.000	487.5	3.11

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-1796	516	J-1465	J-1649	8.0	PVC	120.0	0.100	389.8	2.49
P-1797	564	J-1486	J-1650	8.0	PVC	120.0	0.750	591.8	3.78
P-1798	552	J-1486	J-1651	16.0	PVC	120.0	0.100	2,308.1	3.68
P-1799	357	J-1515	J-875	24.0	PVC	120.0	0.350	7,906.5	5.61
P-1807	222	J-1381	J-1664	16.0	PVC	120.0	0.750	2,019.5	3.22
P-1808	154	J-1664	J-1383	16.0	PVC	120.0	0.050	2,019.5	3.22
P-1822	683	J-318	J-1683	12.0	PVC	120.0	0.000	184.5	0.52
P-1823	563	J-216	J-1685	8.0	PVC	120.0	0.800	3.9	0.02
P-1824	380	J-1685	J-1686	8.0	PVC	120.0	0.200	3.9	0.02
P-1825	297	J-1686	J-1687	8.0	PVC	120.0	0.050	3.9	0.02
P-1826	123	J-1687	J-1475	8.0	PVC	120.0	0.100	3.9	0.02
P-1827	519	J-1475	J-1689	8.0	PVC	120.0	0.800	77.1	0.49
P-1828	286	J-1689	J-325	8.0	PVC	120.0	0.350	77.1	0.49
P-1830	1,302	J-1513	J-1691	16.0	PVC	120.0	0.000	1,948.1	3.11
P-1831	1,151	J-1691	J-1692	16.0	PVC	120.0	0.500	913.0	1.46
P-1832	1,207	J-1692	J-1693	16.0	PVC	120.0	0.000	913.0	1.46
P-1834	1,782	J-1515	J-1651	16.0	PVC	120.0	1.280	2,899.8	4.63
P-1835	1,767	J-1691	J-1512	16.0	PVC	120.0	0.000	205.8	0.33
P-1836	2,260	J-1511	J-1514	16.0	PVC	120.0	0.000	1,259.2	2.01
P-1837	1,205	J-1649	J-1691	16.0	PVC	120.0	0.750	829.3	1.32
P-1838	1,297	J-252	J-1540	16.0	PVC	120.0	0.000	1,141.5	1.82
P-1848	189	Airport GST	J-391	16.0	PVC	120.0	0.000	3.0	0.00
P-1849	31	J-508	J-507	16.0	PVC	120.0	0.000	1,210.5	1.93

Fire Flow Node FlexTable: Fire Flow Results Table

Label	Satisfies Fire Flow Constraints?	Fire Flow Status	Fire Flow (Needed) (gpm)	Fire Flow (Available) (gpm)	Flow (Total Needed) (gpm)	Flow (Total Available) (gpm)	Pressure (Residual Lower Limit) (psi)	Pressure (Calculated Residual) (psi)	Pressure (Zone Lower Limit) (psi)	Pressure (Calculated Zone Lower Limit) (psi)	Junction w/ Minimum Pressure (Zone)	Pressure (Calculated System Lower Limit) (psi)	Junction w/ Minimum Pressure (System)	Is Fire Flow Run Balanced?
J-2	False	Residual Pressure Failed	1,000.0	246.7	1,000.0	246.7	20.0	20.0	5.0	22.6	J-385	22.6	J-385	True
J-3	True	Passed	1,000.0	1,191.5	1,000.0	1,191.5	20.0	20.0	5.0	18.9	J-2	18.9	J-2	True
J-4	True	Passed	1,000.0	2,810.2	1,000.0	2,810.2	20.0	20.0	5.0	8.0	J-2	8.0	J-2	True
J-5	True	Passed	1,000.0	3,141.9	1,013.5	3,155.4	20.0	36.2	5.0	5.0	J-2	5.0	J-2	True
J-6	True	Passed	1,000.0	3,022.3	1,000.0	3,022.3	20.0	37.6	5.0	5.0	J-2	5.0	J-2	True
J-7	True	Passed	1,000.0	2,940.3	1,018.0	2,958.3	20.0	28.2	5.0	5.0	J-2	5.0	J-2	True
J-9	True	Passed	1,000.0	2,916.4	1,000.0	2,916.4	20.0	22.0	5.0	5.0	J-2	5.0	J-2	True
J-10	True	Passed	1,000.0	2,464.4	1,016.5	2,480.9	20.0	20.0	5.0	8.9	J-2	8.9	J-2	True
J-11	True	Passed	1,000.0	2,598.5	1,000.0	2,598.5	20.0	20.0	5.0	8.6	J-2	8.6	J-2	True
J-12	True	Passed	1,000.0	2,990.1	1,042.0	3,032.1	20.0	42.9	5.0	5.0	J-432	5.0	J-432	True
J-13	True	Passed	1,000.0	2,116.1	1,000.0	2,116.1	20.0	20.0	5.0	13.4	J-2	13.4	J-2	True
J-14	True	Passed	1,000.0	3,160.9	1,000.0	3,160.9	20.0	42.2	5.0	5.0	J-2	5.0	J-2	True
J-15	True	Passed	1,000.0	3,142.7	1,000.0	3,142.7	20.0	42.2	5.0	5.0	J-2	5.0	J-2	True
J-16	True	Passed	1,000.0	3,130.3	1,000.0	3,130.3	20.0	44.3	5.0	5.0	J-2	5.0	J-2	True
J-17	True	Passed	1,000.0	3,148.6	1,000.0	3,148.6	20.0	50.3	5.0	5.0	J-2	5.0	J-2	True
J-18	True	Passed	1,000.0	2,759.5	1,000.0	2,759.5	20.0	46.1	5.0	5.0	J-2	5.0	J-2	True
J-19	True	Passed	1,000.0	2,718.1	1,046.5	2,764.6	20.0	35.3	5.0	5.0	J-2	5.0	J-2	True
J-20	True	Passed	1,000.0	2,740.4	1,027.0	2,767.4	20.0	31.0	5.0	5.0	J-2	5.0	J-2	True
J-21	True	Passed	1,000.0	2,750.9	1,000.0	2,750.9	20.0	33.4	5.0	5.0	J-2	5.0	J-2	True
J-22	True	Passed	1,000.0	2,757.7	1,055.5	2,813.2	20.0	30.0	5.0	5.0	J-2	5.0	J-2	True
J-23	True	Passed	1,000.0	2,763.1	1,000.0	2,763.1	20.0	27.9	5.0	5.0	J-2	5.0	J-2	True
J-24	True	Passed	1,000.0	2,767.4	1,024.0	2,791.4	20.0	26.6	5.0	5.0	J-2	5.0	J-2	True
J-25	True	Passed	1,000.0	2,769.9	1,016.5	2,786.4	20.0	25.2	5.0	5.0	J-2	5.0	J-2	True
J-26	True	Passed	1,000.0	3,000.8	1,000.0	3,000.8	20.0	39.8	5.0	5.0	J-2	5.0	J-2	True
J-27	True	Passed	1,000.0	2,996.3	1,040.5	3,036.8	20.0	44.2	5.0	5.0	J-2	5.0	J-2	True
J-28	True	Passed	1,000.0	2,967.1	1,000.0	2,967.1	20.0	46.3	5.0	5.0	J-2	5.0	J-2	True
J-29	True	Passed	1,000.0	2,876.0	1,030.0	2,906.0	20.0	42.4	5.0	5.0	J-2	5.0	J-2	True
J-30	False	Fire Node Residual Pressure Failed	1,000.0	0.0	1,000.0	0.0	20.0	10.5	5.0	10.5	J-30	24.2	J-2	True
J-31	True	Passed	1,000.0	3,475.7	1,000.0	3,475.7	20.0	44.3	5.0	5.0	J-2	5.0	J-2	True
J-32	True	Passed	1,000.0	2,628.3	1,000.0	2,628.3	20.0	47.2	5.0	5.0	J-432	5.0	J-432	True
J-33	True	Passed	1,000.0	2,479.8	1,000.0	2,479.8	20.0	20.0	5.0	10.3	J-2	10.3	J-2	True
J-34	True	Passed	1,000.0	2,930.2	1,000.0	2,930.2	20.0	30.7	5.0	5.0	J-2	5.0	J-2	True
J-36	True	Passed	1,000.0	2,873.7	1,000.0	2,873.7	20.0	36.9	5.0	5.0	J-2	5.0	J-2	True
J-37	True	Passed	1,000.0	2,746.4	1,000.0	2,746.4	20.0	20.0	5.0	6.0	J-2	6.0	J-2	True
J-38	True	Passed	1,000.0	2,320.6	1,025.5	2,346.1	20.0	20.0	5.0	9.7	J-2	9.7	J-2	True
J-39	True	Passed	1,000.0	2,642.4	1,000.0	2,642.4	20.0	20.0	5.0	6.8	J-2	6.8	J-2	True
J-40	True	Passed	1,000.0	2,897.6	1,019.5	2,917.1	20.0	40.1	5.0	5.0	J-2	5.0	J-2	True
J-41	True	Passed	1,000.0	2,887.0	1,000.0	2,887.0	20.0	42.2	5.0	5.0	J-2	5.0	J-2	True
J-42	True	Passed	1,000.0	2,886.7	1,000.0	2,886.7	20.0	43.3	5.0	5.0	J-2	5.0	J-2	True
J-43	True	Passed	1,000.0	2,871.8	1,045.0	2,916.8	20.0	39.7	5.0	5.0	J-2	5.0	J-2	True
J-45	True	Passed	1,000.0	2,907.0	1,022.5	2,929.5	20.0	35.7	5.0	5.0	J-2	5.0	J-2	True
J-48	True	Passed	1,000.0	2,899.5	1,010.5	2,910.0	20.0	23.2	5.0	5.0	J-2	5.0	J-2	True
J-50	False	Residual Pressure Failed	1,000.0	115.3	1,000.0	115.3	20.0	20.0	5.0	23.7	J-2	23.7	J-2	True
J-51	True	Passed	1,000.0	2,529.0	1,000.0	2,529.0	20.0	42.5	5.0	5.0	J-2	5.0	J-2	True
J-52	True	Passed	1,000.0	2,771.3	1,027.0	2,798.3	20.0	37.4	5.0	5.0	J-2	5.0	J-2	True
J-53	True	Passed	1,000.0	2,864.0	1,018.0	2,882.0	20.0	40.5	5.0	5.0	J-2	5.0	J-2	True
J-54	True	Passed	1,000.0	2,853.1	1,000.0	2,853.1	20.0	32.5	5.0	5.0	J-2	5.0	J-2	True

Fire Flow Node FlexTable: Fire Flow Results Table

Label	Satisfies Fire Flow Constraints?	Fire Flow Status	Fire Flow (Needed) (gpm)	Fire Flow (Available) (gpm)	Flow (Total Needed) (gpm)	Flow (Total Available) (gpm)	Pressure (Residual Lower Limit) (psi)	Pressure (Calculated Residual) (psi)	Pressure (Zone Lower Limit) (psi)	Pressure (Calculated Zone Lower Limit) (psi)	Junction w/ Minimum Pressure (Zone)	Pressure (Calculated System Lower Limit) (psi)	Junction w/ Minimum Pressure (System)	Is Fire Flow Run Balanced?
J-55	True	Passed	1,000.0	2,845.9	1,000.0	2,845.9	20.0	31.6	5.0	5.0	J-2	5.0	J-2	True
J-58	True	Passed	1,000.0	2,839.2	1,000.0	2,839.2	20.0	31.0	5.0	5.0	J-2	5.0	J-2	True
J-59	True	Passed	1,000.0	2,836.1	1,037.5	2,873.6	20.0	27.9	5.0	5.0	J-2	5.0	J-2	True
J-60	True	Passed	1,000.0	1,665.9	1,000.0	1,665.9	20.0	20.0	5.0	8.0	J-307	8.0	J-307	True
J-61	True	Passed	1,000.0	1,551.5	1,000.0	1,551.5	20.0	20.0	5.0	15.7	J-2	15.7	J-2	True
J-62	True	Passed	1,000.0	2,864.7	1,000.0	2,864.7	20.0	39.4	5.0	5.0	J-2	5.0	J-2	True
J-63	True	Passed	1,000.0	2,841.7	1,000.0	2,841.7	20.0	37.5	5.0	5.0	J-2	5.0	J-2	True
J-65	True	Passed	1,000.0	1,779.1	1,000.0	1,779.1	20.0	20.0	5.0	14.2	J-2	14.2	J-2	True
J-66	True	Passed	1,000.0	2,701.2	1,000.0	2,701.2	20.0	34.5	5.0	5.0	J-2	5.0	J-2	True
J-68	True	Passed	1,000.0	1,745.1	1,004.5	1,749.6	20.0	20.0	5.0	13.8	J-2	13.8	J-2	True
J-69	True	Passed	1,000.0	1,308.1	1,000.0	1,308.1	20.0	20.0	5.0	17.0	J-2	17.0	J-2	True
J-71	True	Passed	1,000.0	2,743.6	1,000.0	2,743.6	20.0	26.4	5.0	5.0	J-2	5.0	J-2	True
J-72	True	Passed	1,000.0	2,208.6	1,081.0	2,289.6	20.0	20.0	5.0	10.2	J-2	10.2	J-2	True
J-73	True	Passed	1,000.0	2,821.1	1,000.0	2,821.1	20.0	34.4	5.0	5.0	J-2	5.0	J-2	True
J-74	True	Passed	1,000.0	2,822.7	1,000.0	2,822.7	20.0	34.6	5.0	5.0	J-2	5.0	J-2	True
J-75	True	Passed	1,000.0	2,826.7	1,000.0	2,826.7	20.0	32.4	5.0	5.0	J-2	5.0	J-2	True
J-79	True	Passed	1,000.0	2,853.3	1,000.0	2,853.3	20.0	37.1	5.0	5.0	J-2	5.0	J-2	True
J-80	False	Residual Pressure Failed	1,000.0	341.3	1,000.0	341.3	20.0	20.0	5.0	22.7	J-2	22.7	J-2	True
J-81	True	Passed	1,000.0	2,841.4	1,000.0	2,841.4	20.0	38.1	5.0	5.0	J-2	5.0	J-2	True
J-82	True	Passed	1,000.0	2,831.4	1,000.0	2,831.4	20.0	35.4	5.0	5.0	J-2	5.0	J-2	True
J-83	True	Passed	1,000.0	2,829.6	1,052.5	2,882.1	20.0	33.5	5.0	5.0	J-2	5.0	J-2	True
J-84	True	Passed	1,000.0	2,829.4	1,000.0	2,829.4	20.0	33.5	5.0	5.0	J-2	5.0	J-2	True
J-85	True	Passed	1,000.0	2,829.2	1,054.0	2,883.2	20.0	30.5	5.0	5.0	J-2	5.0	J-2	True
J-86	True	Passed	1,000.0	2,831.0	1,000.0	2,831.0	20.0	29.4	5.0	5.0	J-2	5.0	J-2	True
J-88	True	Passed	1,000.0	2,827.6	1,000.0	2,827.6	20.0	31.4	5.0	5.0	J-2	5.0	J-2	True
J-89	True	Passed	1,000.0	2,829.5	1,000.0	2,829.5	20.0	24.5	5.0	5.0	J-2	5.0	J-2	True
J-92	True	Passed	1,000.0	2,828.9	1,000.0	2,828.9	20.0	22.7	5.0	5.0	J-2	5.0	J-2	True
J-93	True	Passed	1,000.0	2,588.0	1,012.0	2,600.0	20.0	20.0	5.0	7.2	J-2	7.2	J-2	True
J-94	True	Passed	1,000.0	1,305.1	1,000.0	1,305.1	20.0	20.0	5.0	17.3	J-2	17.3	J-2	True
J-95	True	Passed	1,000.0	1,690.8	1,012.0	1,702.8	20.0	20.0	5.0	14.6	J-2	14.6	J-2	True
J-96	False	Failed	1,000.0	102.4	1,000.0	102.4	20.0	20.6	5.0	23.8	J-2	23.8	J-2	True
J-97	True	Passed	1,000.0	2,499.0	1,000.0	2,499.0	20.0	20.0	5.0	8.1	J-2	8.1	J-2	True
J-98	True	Passed	1,000.0	2,297.6	1,000.0	2,297.6	20.0	20.0	5.0	9.8	J-2	9.8	J-2	True
J-99	True	Passed	1,000.0	2,824.5	1,000.0	2,824.5	20.0	29.8	5.0	5.0	J-2	5.0	J-2	True
J-100	True	Passed	1,000.0	2,822.4	1,000.0	2,822.4	20.0	29.3	5.0	5.0	J-2	5.0	J-2	True
J-101	True	Passed	1,000.0	2,822.0	1,000.0	2,822.0	20.0	29.0	5.0	5.0	J-2	5.0	J-2	True
J-102	True	Passed	1,000.0	2,817.4	1,000.0	2,817.4	20.0	31.9	5.0	5.0	J-2	5.0	J-2	True
J-103	True	Passed	1,000.0	2,820.0	1,063.0	2,883.0	20.0	26.7	5.0	5.0	J-2	5.0	J-2	True
J-104	True	Passed	1,000.0	2,422.9	1,000.0	2,422.9	20.0	20.0	5.0	8.7	J-2	8.7	J-2	True
J-105	True	Passed	1,000.0	2,823.5	1,016.5	2,840.0	20.0	25.4	5.0	5.0	J-2	5.0	J-2	True
J-106	True	Passed	1,000.0	2,053.0	1,036.0	2,089.0	20.0	20.0	5.0	15.1	J-211	15.1	J-211	True
J-107	True	Passed	1,000.0	2,147.5	1,000.0	2,147.5	20.0	20.0	5.0	16.4	J-211	16.4	J-211	True
J-109	True	Passed	1,000.0	2,799.4	1,000.0	2,799.4	20.0	25.8	5.0	5.0	J-2	5.0	J-2	True
J-110	True	Passed	1,000.0	2,807.7	1,025.5	2,833.2	20.0	23.2	5.0	5.0	J-2	5.0	J-2	True
J-111	True	Passed	1,000.0	2,811.7	1,000.0	2,811.7	20.0	25.1	5.0	5.0	J-2	5.0	J-2	True
J-112	True	Passed	1,000.0	2,816.4	1,021.0	2,837.4	20.0	23.6	5.0	5.0	J-2	5.0	J-2	True
J-113	True	Passed	1,000.0	2,809.1	1,000.0	2,809.1	20.0	33.5	5.0	5.0	J-2	5.0	J-2	True

Fire Flow Node FlexTable: Fire Flow Results Table

Label	Satisfies Fire Flow Constraints?	Fire Flow Status	Fire Flow (Needed) (gpm)	Fire Flow (Available) (gpm)	Flow (Total Needed) (gpm)	Flow (Total Available) (gpm)	Pressure (Residual Lower Limit) (psi)	Pressure (Calculated Residual) (psi)	Pressure (Zone Lower Limit) (psi)	Pressure (Calculated Zone Lower Limit) (psi)	Junction w/ Minimum Pressure (Zone)	Pressure (Calculated System Lower Limit) (psi)	Junction w/ Minimum Pressure (System)	Is Fire Flow Run Balanced?
J-114	True	Passed	1,000.0	2,813.5	1,000.0	2,813.5	20.0	27.5	5.0	5.0	J-2	5.0	J-2	True
J-115	True	Passed	1,000.0	2,809.2	1,000.0	2,809.2	20.0	23.7	5.0	5.0	J-2	5.0	J-2	True
J-116	True	Passed	1,000.0	2,523.7	1,000.0	2,523.7	20.0	20.0	5.0	7.7	J-2	7.7	J-2	True
J-117	True	Passed	1,000.0	2,669.4	1,000.0	2,669.4	20.0	20.0	5.0	6.3	J-2	6.3	J-2	True
J-118	True	Passed	1,000.0	2,364.3	1,000.0	2,364.3	20.0	20.0	5.0	9.1	J-2	9.1	J-2	True
J-119	True	Passed	1,000.0	2,804.1	1,000.0	2,804.1	20.0	31.7	5.0	5.0	J-2	5.0	J-2	True
J-120	True	Passed	1,000.0	2,279.6	1,039.0	2,318.6	20.0	20.0	5.0	9.8	J-2	9.8	J-2	True
J-121	False	Residual Pressure Failed	1,000.0	880.0	1,000.0	880.0	20.0	20.0	5.0	19.8	J-2	19.8	J-2	True
J-122	True	Passed	1,000.0	2,711.9	1,000.0	2,711.9	20.0	20.0	5.0	5.5	J-2	5.5	J-2	True
J-123	True	Passed	1,000.0	2,633.6	1,000.0	2,633.6	20.0	20.0	5.0	6.3	J-2	6.3	J-2	True
J-124	True	Passed	1,000.0	2,786.6	1,031.5	2,818.1	20.0	23.7	5.0	5.0	J-2	5.0	J-2	True
J-125	True	Passed	1,000.0	2,794.4	1,000.0	2,794.4	20.0	24.0	5.0	5.0	J-2	5.0	J-2	True
J-126	True	Passed	1,000.0	2,429.6	1,000.0	2,429.6	20.0	20.0	5.0	8.4	J-2	8.4	J-2	True
J-127	True	Passed	1,000.0	2,801.6	1,000.0	2,801.6	20.0	28.7	5.0	5.0	J-2	5.0	J-2	True
J-129	True	Passed	1,000.0	2,782.3	1,010.5	2,792.8	20.0	26.5	5.0	5.0	J-2	5.0	J-2	True
J-130	True	Passed	1,000.0	2,613.0	1,000.0	2,613.0	20.0	20.0	5.0	6.5	J-2	6.5	J-2	True
J-131	True	Passed	1,000.0	1,984.3	1,000.0	1,984.3	20.0	20.0	5.0	12.0	J-2	12.0	J-2	True
J-132	False	Residual Pressure Failed	1,000.0	93.4	1,000.0	93.4	20.0	20.3	5.0	23.8	J-2	23.8	J-2	True
J-133	True	Passed	1,000.0	1,194.5	1,024.0	1,218.5	20.0	20.0	5.0	19.5	J-134	19.5	J-134	True
J-134	True	Passed	1,000.0	1,084.3	1,000.0	1,084.3	20.0	20.0	5.0	24.2	J-2	24.2	J-2	True
J-135	True	Passed	1,000.0	1,340.5	1,000.0	1,340.5	20.0	20.0	5.0	20.8	J-369	20.8	J-369	True
J-136	True	Passed	1,000.0	1,509.9	1,000.0	1,509.9	20.0	20.0	5.0	22.7	J-280	22.7	J-280	True
J-137	True	Passed	1,000.0	1,901.3	1,000.0	1,901.3	20.0	20.0	5.0	24.2	J-2	24.2	J-2	True
J-138	True	Passed	1,000.0	2,090.2	1,000.0	2,090.2	20.0	20.0	5.0	17.7	J-141	17.7	J-141	True
J-139	True	Passed	1,000.0	1,957.5	1,000.0	1,957.5	20.0	20.0	5.0	15.1	J-141	15.1	J-141	True
J-141	True	Passed	1,000.0	1,442.0	1,012.0	1,454.0	20.0	20.0	5.0	24.2	J-2	24.2	J-2	True
J-142	False	Residual Pressure Failed	1,000.0	480.9	1,000.0	480.9	20.0	20.0	5.0	24.2	J-2	24.2	J-2	True
J-143	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	55.4	5.0	19.0	J-150	19.0	J-150	True
J-144	False	Residual Pressure Failed	1,000.0	355.4	1,000.0	355.4	20.0	20.0	5.0	24.2	J-2	24.2	J-2	True
J-145	True	Passed	1,000.0	1,308.4	1,000.0	1,308.4	20.0	20.0	5.0	20.8	J-146	20.8	J-146	True
J-146	True	Passed	1,000.0	1,196.8	1,000.0	1,196.8	20.0	20.0	5.0	24.2	J-2	24.2	J-2	True
J-147	True	Passed	1,000.0	2,412.7	1,000.0	2,412.7	20.0	20.0	5.0	18.0	J-141	18.0	J-141	True
J-148	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	28.4	5.0	6.6	J-150	6.6	J-150	True
J-149	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	28.4	5.0	6.6	J-150	6.6	J-150	True
J-150	True	Passed	1,000.0	1,172.4	1,000.0	1,172.4	20.0	20.0	5.0	22.6	J-274	22.6	J-274	True
J-151	True	Passed	1,000.0	2,757.2	1,000.0	2,757.2	20.0	24.6	5.0	5.0	J-2	5.0	J-2	True
J-152	True	Passed	1,000.0	1,457.8	1,000.0	1,457.8	20.0	20.0	5.0	16.1	J-2	16.1	J-2	True
J-153	False	Residual Pressure Failed	1,000.0	983.5	1,000.0	983.5	20.0	20.0	5.0	15.5	J-132	15.5	J-132	True
J-154	True	Passed	1,000.0	1,275.3	1,009.0	1,284.3	20.0	20.0	5.0	13.6	J-132	13.6	J-132	True
J-155	True	Passed	1,000.0	1,471.0	1,000.0	1,471.0	20.0	20.0	5.0	16.0	J-2	16.0	J-2	True
J-156	True	Passed	1,000.0	2,762.6	1,000.0	2,762.6	20.0	22.4	5.0	5.0	J-2	5.0	J-2	True
J-158	True	Passed	1,000.0	2,735.7	1,000.0	2,735.7	20.0	24.6	5.0	5.0	J-2	5.0	J-2	True
J-159	True	Passed	1,000.0	2,719.3	1,000.0	2,719.3	20.0	20.0	5.0	5.7	J-2	5.7	J-2	True
J-160	True	Passed	1,000.0	2,801.1	1,037.5	2,838.6	20.0	27.3	5.0	5.0	J-2	5.0	J-2	True
J-162	True	Passed	1,000.0	2,798.6	1,000.0	2,798.6	20.0	28.0	5.0	5.0	J-2	5.0	J-2	True
J-163	False	Failed	1,000.0	20.5	1,000.0	20.5	20.0	21.0	5.0	24.1	J-2	24.1	J-2	True
J-165	True	Passed	1,000.0	2,805.9	1,019.5	2,825.4	20.0	26.0	5.0	5.0	J-2	5.0	J-2	True

Fire Flow Node FlexTable: Fire Flow Results Table

Label	Satisfies Fire Flow Constraints?	Fire Flow Status	Fire Flow (Needed) (gpm)	Fire Flow (Available) (gpm)	Flow (Total Needed) (gpm)	Flow (Total Available) (gpm)	Pressure (Residual Lower Limit) (psi)	Pressure (Calculated Residual) (psi)	Pressure (Zone Lower Limit) (psi)	Pressure (Calculated Zone Lower Limit) (psi)	Junction w/ Minimum Pressure (Zone)	Pressure (Calculated System Lower Limit) (psi)	Junction w/ Minimum Pressure (System)	Is Fire Flow Run Balanced?
J-166	True	Passed	1,000.0	2,804.9	1,000.0	2,804.9	20.0	31.6	5.0	5.0	J-2	5.0	J-2	True
J-167	True	Passed	1,000.0	2,243.4	1,000.0	2,243.4	20.0	20.0	5.0	9.9	J-2	9.9	J-2	True
J-168	True	Passed	1,000.0	2,305.2	1,000.0	2,305.2	20.0	20.0	5.0	9.3	J-2	9.3	J-2	True
J-169	True	Passed	1,000.0	1,759.2	1,000.0	1,759.2	20.0	20.0	5.0	13.9	J-2	13.9	J-2	True
J-170	True	Passed	1,000.0	2,273.9	1,000.0	2,273.9	20.0	20.0	5.0	9.9	J-2	9.9	J-2	True
J-171	True	Passed	1,000.0	2,806.8	1,028.5	2,835.3	20.0	26.8	5.0	5.0	J-2	5.0	J-2	True
J-172	False	Residual Pressure Failed	1,000.0	567.4	1,000.0	567.4	20.0	20.0	5.0	21.6	J-2	21.6	J-2	True
J-173	False	Residual Pressure Failed	1,000.0	455.7	1,000.0	455.7	20.0	20.0	5.0	22.2	J-2	22.2	J-2	True
J-174	True	Passed	1,000.0	2,809.2	1,000.0	2,809.2	20.0	30.1	5.0	5.0	J-2	5.0	J-2	True
J-175	False	Residual Pressure Failed	1,000.0	103.1	1,000.0	103.1	20.0	20.0	5.0	23.8	J-2	23.8	J-2	True
J-176	False	Residual Pressure Failed	1,000.0	102.9	1,015.0	117.9	20.0	20.0	5.0	23.8	J-2	23.8	J-2	True
J-177	False	Residual Pressure Failed	1,000.0	191.4	1,000.0	191.4	20.0	20.3	5.0	20.5	J-176	20.5	J-176	True
J-178	False	Residual Pressure Failed	1,000.0	89.5	1,000.0	89.5	20.0	20.2	5.0	23.8	J-2	23.8	J-2	True
J-179	False	Residual Pressure Failed	1,000.0	450.7	1,000.0	450.7	20.0	20.1	5.0	19.8	J-177	19.8	J-177	True
J-180	False	Residual Pressure Failed	1,000.0	527.8	1,000.0	527.8	20.0	20.1	5.0	19.6	J-469	19.6	J-469	True
J-181	False	Residual Pressure Failed	1,000.0	97.9	1,007.5	105.4	20.0	20.0	5.0	23.8	J-2	23.8	J-2	True
J-182	True	Passed	1,000.0	1,044.7	1,024.0	1,068.7	20.0	20.0	5.0	19.0	J-2	19.0	J-2	True
J-183	False	Residual Pressure Failed	1,000.0	825.2	1,000.0	825.2	20.0	20.0	5.0	15.4	J-184	15.4	J-184	True
J-184	False	Residual Pressure Failed	1,000.0	123.7	1,000.0	123.7	20.0	20.0	5.0	23.7	J-2	23.7	J-2	True
J-185	True	Passed	1,000.0	1,345.7	1,000.0	1,345.7	20.0	20.0	5.0	12.5	J-184	12.5	J-184	True
J-186	True	Passed	1,000.0	1,610.2	1,010.5	1,620.7	20.0	20.0	5.0	9.5	J-307	9.5	J-307	True
J-187	False	Residual Pressure and Zone Pressure Failed	3,000.0	1,885.4	3,000.0	1,885.4	20.0	20.0	20.0	20.3	J-190	20.3	J-190	True
J-188	False	Zone Pressure Failed	3,000.0	2,753.2	3,000.0	2,753.2	20.0	21.2	20.0	20.0	J-190	20.0	J-190	True
J-189	True	Passed	1,000.0	1,703.9	1,000.0	1,703.9	20.0	20.0	5.0	18.3	J-190	18.3	J-190	True
J-190	True	Passed	1,000.0	1,492.1	1,000.0	1,492.1	20.0	20.0	5.0	24.2	J-2	24.2	J-2	True
J-191	True	Passed	1,000.0	1,304.0	1,000.0	1,304.0	20.0	20.0	5.0	24.2	J-2	24.2	J-2	True
J-192	True	Passed	1,000.0	1,735.8	1,000.0	1,735.8	20.0	20.0	5.0	17.3	J-191	17.3	J-191	True
J-193	True	Passed	1,000.0	1,749.5	1,000.0	1,749.5	20.0	20.0	5.0	17.4	J-313	17.4	J-313	True
J-194	True	Passed	1,000.0	2,262.8	1,000.0	2,262.8	20.0	20.0	5.0	18.0	J-319	18.0	J-319	True
J-196	True	Passed	1,000.0	2,161.7	1,000.0	2,161.7	20.0	20.0	5.0	22.7	J-319	20.0	J-1683	True
J-197	True	Passed	1,000.0	1,787.7	1,000.0	1,787.7	20.0	20.0	5.0	16.2	J-313	16.2	J-313	True
J-198	True	Passed	1,000.0	1,791.3	1,000.0	1,791.3	20.0	20.0	5.0	15.1	J-313	15.1	J-313	True
J-199	True	Passed	1,000.0	1,787.2	1,000.0	1,787.2	20.0	20.0	5.0	15.6	J-313	15.6	J-313	True
J-200	True	Passed	1,000.0	1,619.7	1,003.0	1,622.7	20.0	20.0	5.0	18.8	J-317	18.8	J-317	True
J-201	False	Residual Pressure Failed	1,000.0	109.7	1,000.0	109.7	20.0	20.0	5.0	24.2	J-2	24.2	J-2	True
J-202	True	Passed	1,000.0	1,513.7	1,000.0	1,513.7	20.0	20.0	5.0	22.7	J-317	22.7	J-317	True
J-203	True	Passed	1,000.0	1,858.2	1,000.0	1,858.2	20.0	20.0	5.0	19.7	J-322	19.7	J-322	True
J-204	True	Passed	1,000.0	2,050.8	1,000.0	2,050.8	20.0	20.0	5.0	21.0	J-205	21.0	J-205	True
J-205	False	Residual Pressure Failed	1,000.0	600.3	1,000.0	600.3	20.0	20.0	5.0	24.2	J-2	24.2	J-2	True
J-206	True	Passed	1,000.0	2,260.3	1,000.0	2,260.3	20.0	20.0	5.0	18.8	J-378	18.8	J-378	True
J-207	True	Passed	1,000.0	2,220.5	1,000.0	2,220.5	20.0	20.0	5.0	17.9	J-211	17.9	J-211	True
J-208	True	Passed	1,000.0	2,092.6	1,000.0	2,092.6	20.0	20.0	5.0	22.5	J-362	22.5	J-362	True
J-209	True	Passed	1,000.0	1,109.4	1,012.0	1,121.4	20.0	20.0	5.0	17.7	J-211	17.7	J-211	True
J-210	False	Residual Pressure Failed	1,000.0	970.0	1,000.0	970.0	20.0	20.0	5.0	24.2	J-2	24.2	J-2	True
J-211	False	Residual Pressure Failed	1,000.0	814.1	1,000.0	814.1	20.0	20.0	5.0	24.2	J-2	24.2	J-2	True
J-212	True	Passed	1,000.0	1,880.1	1,000.0	1,880.1	20.0	20.0	5.0	23.6	J-382	23.6	J-382	True

Fire Flow Node FlexTable: Fire Flow Results Table

Label	Satisfies Fire Flow Constraints?	Fire Flow Status	Fire Flow (Needed) (gpm)	Fire Flow (Available) (gpm)	Flow (Total Needed) (gpm)	Flow (Total Available) (gpm)	Pressure (Residual Lower Limit) (psi)	Pressure (Calculated Residual) (psi)	Pressure (Zone Lower Limit) (psi)	Pressure (Calculated Zone Lower Limit) (psi)	Junction w/ Minimum Pressure (Zone)	Pressure (Calculated System Lower Limit) (psi)	Junction w/ Minimum Pressure (System)	Is Fire Flow Run Balanced?
J-213	True	Passed	1,000.0	2,045.2	1,018.0	2,063.2	20.0	20.0	5.0	20.1	J-217	20.1	J-217	True
J-214	True	Passed	1,000.0	1,594.5	1,019.5	1,614.0	20.0	20.0	5.0	20.4	J-218	20.4	J-218	True
J-215	True	Passed	1,000.0	1,594.0	1,000.0	1,594.0	20.0	20.0	5.0	20.2	J-219	20.2	J-219	True
J-216	True	Passed	1,000.0	1,637.9	1,000.0	1,637.9	20.0	20.0	5.0	20.0	J-216	22.9	J-215	True
J-217	False	Residual Pressure Failed	1,000.0	780.8	1,004.5	785.3	20.0	20.0	5.0	24.2	J-2	24.2	J-2	True
J-218	False	Residual Pressure Failed	1,000.0	624.0	1,010.5	634.5	20.0	20.0	5.0	24.2	J-2	24.2	J-2	True
J-219	False	Residual Pressure Failed	1,000.0	627.3	1,009.0	636.3	20.0	20.0	5.0	24.2	J-2	24.2	J-2	True
J-221	True	Passed	1,000.0	1,967.4	1,021.0	1,988.4	20.0	20.0	5.0	19.4	J-228	19.4	J-228	True
J-222	True	Passed	1,000.0	1,951.7	1,000.0	1,951.7	20.0	20.0	5.0	19.4	J-229	19.4	J-229	True
J-223	True	Passed	1,000.0	2,381.4	1,000.0	2,381.4	20.0	20.0	5.0	18.7	J-230	18.7	J-230	True
J-224	True	Passed	1,000.0	2,485.9	1,000.0	2,485.9	20.0	20.0	5.0	16.5	J-231	16.5	J-231	True
J-225	True	Passed	1,000.0	2,652.4	1,000.0	2,652.4	20.0	20.0	5.0	14.8	J-232	14.8	J-232	True
J-226	True	Passed	1,000.0	2,822.1	1,000.0	2,822.1	20.0	20.0	5.0	15.6	J-232	15.6	J-232	True
J-227	True	Passed	3,000.0	3,213.6	3,040.5	3,254.1	20.0	24.7	20.0	20.0	J-190	16.2	J-1574	True
J-228	False	Residual Pressure Failed	1,000.0	641.3	1,009.0	650.3	20.0	20.0	5.0	24.2	J-2	24.2	J-2	True
J-229	False	Residual Pressure Failed	1,000.0	643.4	1,009.0	652.4	20.0	20.0	5.0	24.2	J-2	24.2	J-2	True
J-230	True	Passed	1,000.0	1,346.0	1,016.5	1,362.5	20.0	20.0	5.0	24.2	J-2	24.2	J-2	True
J-231	True	Passed	1,000.0	1,322.2	1,018.0	1,340.2	20.0	20.0	5.0	24.2	J-2	24.2	J-2	True
J-232	True	Passed	1,000.0	1,313.5	1,016.5	1,330.0	20.0	20.0	5.0	24.2	J-2	24.2	J-2	True
J-233	False	Residual Pressure Failed	1,000.0	162.0	1,000.0	162.0	20.0	20.0	5.0	24.2	J-2	24.2	J-2	True
J-234	False	Zone Pressure Failed	3,000.0	2,988.2	3,012.0	3,000.2	20.0	22.9	20.0	20.0	J-190	20.0	J-190	True
J-235	True	Passed	3,000.0	3,500.0	3,006.0	3,506.0	20.0	68.6	20.0	24.2	J-2	24.2	J-2	True
J-236	True	Passed	3,000.0	3,500.0	3,000.0	3,500.0	20.0	60.9	20.0	24.2	J-2	24.2	J-2	True
J-237	True	Passed	3,000.0	3,500.0	3,000.0	3,500.0	20.0	70.1	20.0	24.2	J-2	24.2	J-2	True
J-238	False	Residual Pressure Failed	1,000.0	898.6	1,000.0	898.6	20.0	20.0	5.0	23.5	J-239	23.5	J-239	True
J-239	False	Residual Pressure Failed	1,000.0	941.8	1,009.0	950.8	20.0	20.0	5.0	19.4	J-238	19.4	J-238	True
J-240	False	Residual Pressure Failed	1,000.0	891.1	1,000.0	891.1	20.0	20.0	5.0	23.6	J-238	23.6	J-238	True
J-241	True	Passed	1,000.0	1,207.1	1,000.0	1,207.1	20.0	20.0	5.0	16.8	J-238	16.8	J-238	True
J-242	True	Passed	1,000.0	1,228.9	1,000.0	1,228.9	20.0	20.0	5.0	16.7	J-238	16.7	J-238	True
J-243	True	Passed	1,000.0	1,397.1	1,000.0	1,397.1	20.0	20.0	5.0	15.3	J-238	15.3	J-238	True
J-250	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	68.8	5.0	61.2	J-252	24.2	J-2	True
J-251	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	36.4	5.0	30.4	J-252	24.2	J-2	True
J-252	True	Passed	1,000.0	2,061.0	1,000.0	2,061.0	20.0	20.0	5.0	38.5	J-253	19.3	J-1561	True
J-253	True	Passed	1,000.0	2,945.9	1,000.0	2,945.9	20.0	20.0	5.0	16.4	J-252	15.7	J-1561	True
J-254	True	Passed	1,000.0	2,869.3	1,015.0	2,884.3	20.0	20.0	5.0	19.2	J-252	18.5	J-1561	True
J-255	True	Passed	1,000.0	2,746.8	1,000.0	2,746.8	20.0	20.0	5.0	20.4	J-339	20.4	J-339	True
J-256	True	Passed	1,000.0	2,711.0	1,000.0	2,711.0	20.0	20.0	5.0	17.6	J-238	17.6	J-238	True
J-257	True	Passed	1,000.0	1,892.9	1,000.0	1,892.9	20.0	20.0	5.0	31.2	J-339	24.2	J-2	True
J-258	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	67.5	5.0	68.2	J-259	24.2	J-2	True
J-259	True	Passed	1,000.0	2,408.7	1,000.0	2,408.7	20.0	20.0	5.0	68.4	J-258	24.2	J-2	True
J-260	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	69.5	5.0	68.6	J-258	24.2	J-2	True
J-261	False	Residual Pressure Failed	1,000.0	660.8	1,000.0	660.8	20.0	20.0	5.0	20.2	J-350	20.2	J-350	True
J-262	False	Residual Pressure Failed	1,000.0	631.9	1,000.0	631.9	20.0	20.0	5.0	19.3	J-263	19.3	J-263	True
J-263	False	Residual Pressure Failed	1,000.0	590.6	1,003.0	593.6	20.0	20.0	5.0	26.4	J-262	24.2	J-2	True
J-264	False	Residual Pressure Failed	1,000.0	641.6	1,000.0	641.6	20.0	20.0	5.0	20.6	J-349	20.6	J-349	True
J-265	False	Residual Pressure Failed	1,000.0	630.8	1,000.0	630.8	20.0	20.0	5.0	21.3	J-263	21.3	J-263	True
J-266	False	Residual Pressure Failed	1,000.0	67.0	1,000.0	67.0	20.0	20.4	5.0	23.9	J-2	23.9	J-2	True

Fire Flow Node FlexTable: Fire Flow Results Table

Label	Satisfies Fire Flow Constraints?	Fire Flow Status	Fire Flow (Needed) (gpm)	Fire Flow (Available) (gpm)	Flow (Total Needed) (gpm)	Flow (Total Available) (gpm)	Pressure (Residual Lower Limit) (psi)	Pressure (Calculated Residual) (psi)	Pressure (Zone Lower Limit) (psi)	Pressure (Calculated Zone Lower Limit) (psi)	Junction w/ Minimum Pressure (Zone)	Pressure (Calculated System Lower Limit) (psi)	Junction w/ Minimum Pressure (System)	Is Fire Flow Run Balanced?
J-267	False	Failed	1,000.0	45.6	1,004.5	50.1	20.0	21.4	5.0	24.2	J-2	24.2	J-2	True
J-268	False	Residual Pressure Failed	1,000.0	440.6	1,000.0	440.6	20.0	20.0	5.0	22.2	J-2	22.2	J-2	True
J-269	True	Passed	1,000.0	1,375.4	1,000.0	1,375.4	20.0	20.0	5.0	23.0	J-281	23.0	J-281	True
J-270	True	Passed	1,000.0	2,040.3	1,000.0	2,040.3	20.0	20.0	5.0	24.2	J-2	24.2	J-2	True
J-271	True	Passed	1,000.0	1,868.8	1,039.0	1,907.8	20.0	20.0	5.0	24.2	J-2	24.2	J-2	True
J-272	True	Passed	1,000.0	1,986.8	1,031.5	2,018.3	20.0	20.0	5.0	24.2	J-2	24.2	J-2	True
J-273	True	Passed	1,000.0	2,179.7	1,000.0	2,179.7	20.0	20.0	5.0	23.6	J-141	23.6	J-141	True
J-274	True	Passed	1,000.0	1,258.5	1,021.0	1,279.5	20.0	20.0	5.0	18.9	J-150	18.9	J-150	True
J-276	True	Passed	1,000.0	2,045.7	1,000.0	2,045.7	20.0	20.0	5.0	8.3	J-150	8.3	J-150	True
J-277	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	43.3	5.0	14.0	J-150	14.0	J-150	True
J-278	True	Passed	1,000.0	3,500.0	1,022.5	3,522.5	20.0	35.8	5.0	6.6	J-150	6.6	J-150	True
J-279	True	Passed	1,000.0	2,747.7	1,000.0	2,747.7	20.0	20.0	5.0	18.6	J-150	18.6	J-150	True
J-280	True	Passed	1,000.0	1,348.4	1,036.0	1,384.4	20.0	20.0	5.0	23.9	J-145	23.9	J-145	True
J-281	True	Passed	1,000.0	1,332.2	1,012.0	1,344.2	20.0	20.0	5.0	24.2	J-2	24.2	J-2	True
J-282	True	Passed	1,000.0	3,500.0	1,010.5	3,510.5	20.0	76.1	5.0	24.2	J-2	24.2	J-2	True
J-283	True	Passed	1,000.0	1,616.3	1,000.0	1,616.3	20.0	20.0	5.0	14.9	J-2	14.9	J-2	True
J-284	True	Passed	1,000.0	1,894.5	1,037.5	1,932.0	20.0	20.0	5.0	12.7	J-2	12.7	J-2	True
J-285	True	Passed	1,000.0	1,250.8	1,000.0	1,250.8	20.0	20.0	5.0	15.6	J-121	15.6	J-121	True
J-286	True	Passed	1,000.0	1,855.8	1,034.5	1,890.3	20.0	20.0	5.0	13.1	J-2	13.1	J-2	True
J-287	True	Passed	1,000.0	2,775.8	1,000.0	2,775.8	20.0	22.0	5.0	5.0	J-2	5.0	J-2	True
J-288	True	Passed	1,000.0	2,322.9	1,000.0	2,322.9	20.0	20.0	5.0	9.2	J-2	9.2	J-2	True
J-289	True	Passed	1,000.0	2,409.5	1,019.5	2,429.0	20.0	20.0	5.0	8.1	J-2	8.1	J-2	True
J-290	True	Passed	1,000.0	2,729.2	1,000.0	2,729.2	20.0	26.7	5.0	5.0	J-2	5.0	J-2	True
J-291	False	Zone Pressure Failed	1,000.0	978.1	1,000.0	978.1	20.0	25.2	5.0	5.0	J-2	5.0	J-2	True
J-293	True	Passed	1,000.0	2,708.6	1,000.0	2,708.6	20.0	20.0	5.0	8.2	J-432	8.2	J-432	True
J-294	True	Passed	1,000.0	1,568.5	1,024.0	1,592.5	20.0	20.0	5.0	16.8	J-2	16.8	J-2	True
J-295	True	Passed	1,000.0	2,918.4	1,000.0	2,918.4	20.0	27.5	5.0	5.0	J-2	5.0	J-2	True
J-297	True	Passed	1,000.0	2,917.8	1,000.0	2,917.8	20.0	39.8	5.0	5.0	J-2	5.0	J-2	True
J-298	True	Passed	1,000.0	2,876.5	1,000.0	2,876.5	20.0	34.9	5.0	5.0	J-2	5.0	J-2	True
J-299	True	Passed	1,000.0	2,240.2	1,000.0	2,240.2	20.0	20.0	5.0	9.5	J-2	9.5	J-2	True
J-300	True	Passed	1,000.0	2,079.8	1,000.0	2,079.8	20.0	32.7	5.0	5.0	J-307	5.0	J-307	True
J-301	True	Passed	1,000.0	1,034.0	1,022.5	1,056.5	20.0	20.0	5.0	14.1	J-184	14.1	J-184	True
J-302	False	Residual Pressure Failed	1,000.0	715.3	1,000.0	715.3	20.0	20.0	5.0	19.8	J-303	19.8	J-303	True
J-303	False	Residual Pressure Failed	1,000.0	603.2	1,016.5	619.7	20.0	20.0	5.0	20.1	J-469	20.1	J-469	True
J-304	False	Residual Pressure Failed	1,000.0	484.4	1,000.0	484.4	20.0	20.1	5.0	19.1	J-469	19.1	J-469	True
J-305	True	Passed	1,000.0	1,296.9	1,000.0	1,296.9	20.0	20.0	5.0	15.9	J-307	15.9	J-307	True
J-306	True	Passed	1,000.0	1,138.7	1,000.0	1,138.7	20.0	20.0	5.0	18.4	J-2	18.4	J-2	True
J-307	True	Passed	1,000.0	1,050.0	1,021.0	1,071.0	20.0	20.0	5.0	19.0	J-2	19.0	J-2	True
J-308	False	Residual Pressure Failed	1,000.0	992.7	1,000.0	992.7	20.0	20.0	5.0	19.3	J-2	19.3	J-2	True
J-309	False	Residual Pressure Failed	1,000.0	950.6	1,000.0	950.6	20.0	20.0	5.0	19.5	J-2	19.5	J-2	True
J-310	True	Passed	1,000.0	1,359.5	1,000.0	1,359.5	20.0	20.0	5.0	24.2	J-2	24.2	J-2	True
J-311	True	Passed	1,000.0	1,433.2	1,000.0	1,433.2	20.0	20.0	5.0	21.9	J-191	21.9	J-191	True
J-312	True	Passed	1,000.0	1,643.1	1,000.0	1,643.1	20.0	20.0	5.0	18.8	J-313	18.8	J-313	True
J-313	True	Passed	1,000.0	1,548.6	1,036.0	1,584.6	20.0	20.0	5.0	21.7	J-190	21.7	J-190	True
J-314	True	Passed	1,000.0	1,539.1	1,000.0	1,539.1	20.0	20.0	5.0	20.2	J-190	20.2	J-190	True
J-315	True	Passed	1,000.0	1,639.2	1,000.0	1,639.2	20.0	20.0	5.0	20.1	J-317	20.1	J-317	True
J-317	True	Passed	1,000.0	1,562.7	1,000.0	1,562.7	20.0	20.0	5.0	20.5	J-202	20.5	J-202	True

Fire Flow Node FlexTable: Fire Flow Results Table

Label	Satisfies Fire Flow Constraints?	Fire Flow Status	Fire Flow (Needed) (gpm)	Fire Flow (Available) (gpm)	Flow (Total Needed) (gpm)	Flow (Total Available) (gpm)	Pressure (Residual Lower Limit) (psi)	Pressure (Calculated Residual) (psi)	Pressure (Zone Lower Limit) (psi)	Pressure (Calculated Zone Lower Limit) (psi)	Junction w/ Minimum Pressure (Zone)	Pressure (Calculated System Lower Limit) (psi)	Junction w/ Minimum Pressure (System)	Is Fire Flow Run Balanced?
J-318	True	Passed	1,000.0	1,771.5	1,000.0	1,771.5	20.0	20.0	5.0	22.4	J-190	11.4	J-1683	True
J-319	True	Passed	1,000.0	1,740.8	1,015.0	1,755.8	20.0	20.0	5.0	24.2	J-2	24.2	J-2	True
J-322	False	Residual Pressure Failed	1,000.0	854.2	1,013.5	867.7	20.0	20.0	5.0	20.0	J-205	20.0	J-205	True
J-323	True	Passed	1,000.0	1,966.0	1,021.0	1,987.0	20.0	20.0	5.0	22.0	J-229	22.0	J-229	True
J-324	True	Passed	1,000.0	2,066.9	1,019.5	2,086.4	20.0	20.0	5.0	23.0	J-323	23.0	J-323	True
J-325	True	Passed	1,000.0	2,304.3	1,010.5	2,314.8	20.0	20.0	5.0	21.0	J-324	18.3	J-1685	True
J-326	True	Passed	3,000.0	3,500.0	3,006.0	3,506.0	20.0	35.8	20.0	24.2	J-2	24.2	J-1574	True
J-327	True	Passed	3,000.0	3,500.0	3,021.0	3,521.0	20.0	52.6	20.0	24.2	J-2	24.2	J-2	True
J-328	True	Passed	3,000.0	3,500.0	3,000.0	3,500.0	20.0	64.8	20.0	24.2	J-2	24.2	J-2	True
J-329	True	Passed	3,000.0	3,500.0	3,000.0	3,500.0	20.0	67.1	20.0	24.2	J-2	24.2	J-2	True
J-330	True	Passed	3,000.0	3,500.0	3,000.0	3,500.0	20.0	69.9	20.0	24.2	J-2	24.2	J-2	True
J-331	True	Passed	3,000.0	3,500.0	3,000.0	3,500.0	20.0	72.1	20.0	24.2	J-2	24.2	J-2	True
J-332	True	Passed	3,000.0	3,500.0	3,000.0	3,500.0	20.0	71.2	20.0	24.2	J-2	24.2	J-2	True
J-333	True	Passed	3,000.0	3,500.0	3,001.5	3,501.5	20.0	68.1	20.0	24.2	J-2	24.2	J-2	True
J-334	True	Passed	3,000.0	3,500.0	3,000.0	3,500.0	20.0	68.8	20.0	24.2	J-2	24.2	J-2	True
J-335	True	Passed	3,000.0	3,500.0	3,000.0	3,500.0	20.0	68.1	20.0	24.2	J-2	24.2	J-2	True
J-336	True	Passed	1,000.0	1,030.2	1,000.0	1,030.2	20.0	20.0	5.0	18.5	J-238	18.5	J-238	True
J-337	False	Residual Pressure Failed	1,000.0	978.1	1,000.0	978.1	20.0	20.0	5.0	19.0	J-238	19.0	J-238	True
J-338	True	Passed	1,000.0	1,099.5	1,000.0	1,099.5	20.0	20.0	5.0	17.9	J-238	17.9	J-238	True
J-339	True	Passed	1,000.0	2,227.8	1,000.0	2,227.8	20.0	20.0	5.0	20.6	J-257	20.6	J-257	True
J-340	True	Passed	1,000.0	3,435.6	1,000.0	3,435.6	20.0	20.0	5.0	22.0	J-341	22.0	J-341	True
J-341	True	Passed	1,000.0	2,929.1	1,033.0	2,962.1	20.0	20.0	5.0	24.2	J-255	24.2	J-255	True
J-342	True	Passed	1,000.0	1,789.8	1,000.0	1,789.8	20.0	20.0	5.0	16.2	J-238	16.2	J-238	True
J-343	True	Passed	1,000.0	2,107.1	1,000.0	2,107.1	20.0	20.0	5.0	17.0	J-238	17.0	J-238	True
J-344	True	Passed	1,000.0	1,570.6	1,000.0	1,570.6	20.0	20.0	5.0	15.9	J-238	15.9	J-238	True
J-345	True	Passed	1,000.0	1,295.7	1,000.0	1,295.7	20.0	20.0	5.0	16.5	J-238	16.5	J-238	True
J-346	True	Passed	1,000.0	1,339.0	1,007.5	1,346.5	20.0	20.0	5.0	16.1	J-238	16.1	J-238	True
J-347	True	Passed	1,000.0	1,257.7	1,004.5	1,262.2	20.0	20.0	5.0	16.8	J-238	16.8	J-238	True
J-349	False	Residual Pressure Failed	1,000.0	633.3	1,000.0	633.3	20.0	20.0	5.0	20.7	J-263	20.7	J-263	True
J-350	False	Residual Pressure Failed	1,000.0	648.9	1,000.0	648.9	20.0	20.0	5.0	20.9	J-265	20.9	J-265	True
J-351	False	Residual Pressure Failed	1,000.0	956.0	1,000.0	956.0	20.0	20.0	5.0	20.3	J-355	20.3	J-355	True
J-352	False	Residual Pressure Failed	1,000.0	761.5	1,000.0	761.5	20.0	20.0	5.0	20.7	J-356	20.7	J-356	True
J-353	True	Passed	1,000.0	1,516.0	1,000.0	1,516.0	20.0	20.0	5.0	20.5	J-354	20.5	J-354	True
J-354	True	Passed	1,000.0	1,167.1	1,000.0	1,167.1	20.0	20.0	5.0	20.6	J-351	20.6	J-351	True
J-355	False	Residual Pressure Failed	1,000.0	847.6	1,000.0	847.6	20.0	20.0	5.0	20.2	J-352	20.2	J-352	True
J-356	False	Residual Pressure Failed	1,000.0	708.8	1,000.0	708.8	20.0	20.0	5.0	20.5	J-261	20.5	J-261	True
J-357	True	Passed	1,000.0	2,738.3	1,018.0	2,756.3	20.0	20.0	5.0	5.6	J-2	5.6	J-2	True
J-358	True	Passed	1,000.0	2,766.6	1,000.0	2,766.6	20.0	20.0	5.0	5.4	J-2	5.4	J-2	True
J-359	True	Passed	1,000.0	2,176.1	1,000.0	2,176.1	20.0	20.0	5.0	10.8	J-2	10.8	J-2	True
J-360	True	Passed	1,000.0	1,893.5	1,000.0	1,893.5	20.0	20.0	5.0	20.8	J-211	20.8	J-211	True
J-361	True	Passed	1,000.0	2,076.7	1,006.0	2,082.7	20.0	20.0	5.0	23.1	J-362	23.1	J-362	True
J-362	True	Passed	1,000.0	2,075.9	1,000.0	2,075.9	20.0	20.0	5.0	22.9	J-361	22.9	J-361	True
J-363	True	Passed	1,000.0	2,091.7	1,000.0	2,091.7	20.0	20.0	5.0	20.7	J-211	20.7	J-211	True
J-364	True	Passed	1,000.0	2,829.1	1,000.0	2,829.1	20.0	30.0	5.0	5.0	J-2	5.0	J-2	True
J-365	False	Residual Pressure Failed	1,000.0	611.4	1,000.0	611.4	20.0	20.0	5.0	21.4	J-2	21.4	J-2	True
J-366	True	Passed	1,000.0	2,833.9	1,000.0	2,833.9	20.0	28.1	5.0	5.0	J-2	5.0	J-2	True
J-367	True	Passed	1,000.0	2,492.6	1,033.0	2,525.6	20.0	20.0	5.0	8.3	J-2	8.3	J-2	True

Fire Flow Node FlexTable: Fire Flow Results Table

Label	Satisfies Fire Flow Constraints?	Fire Flow Status	Fire Flow (Needed) (gpm)	Fire Flow (Available) (gpm)	Flow (Total Needed) (gpm)	Flow (Total Available) (gpm)	Pressure (Residual Lower Limit) (psi)	Pressure (Calculated Residual) (psi)	Pressure (Zone Lower Limit) (psi)	Pressure (Calculated Zone Lower Limit) (psi)	Junction w/ Minimum Pressure (Zone)	Pressure (Calculated System Lower Limit) (psi)	Junction w/ Minimum Pressure (System)	Is Fire Flow Run Balanced?
J-368	True	Passed	1,000.0	2,852.7	1,000.0	2,852.7	20.0	34.1	5.0	5.0	J-2	5.0	J-2	True
J-369	True	Passed	1,000.0	1,325.2	1,000.0	1,325.2	20.0	20.0	5.0	23.2	J-145	23.2	J-145	True
J-370	True	Passed	1,000.0	2,795.3	1,021.0	2,816.3	20.0	23.3	5.0	5.0	J-2	5.0	J-2	True
J-372	True	Passed	1,000.0	2,813.2	1,034.5	2,847.7	20.0	32.2	5.0	5.0	J-2	5.0	J-2	True
J-373	True	Passed	1,000.0	2,569.8	1,030.0	2,599.8	20.0	20.0	5.0	7.4	J-2	7.4	J-2	True
J-374	True	Passed	1,000.0	2,451.4	1,021.0	2,472.4	20.0	20.0	5.0	8.4	J-2	8.4	J-2	True
J-375	True	Passed	1,000.0	2,534.1	1,000.0	2,534.1	20.0	20.0	5.0	6.8	J-2	6.8	J-2	True
J-376	True	Passed	1,000.0	2,827.2	1,018.0	2,845.2	20.0	22.5	5.0	5.0	J-2	5.0	J-2	True
J-377	False	Residual Pressure Failed	1,000.0	211.4	1,000.0	211.4	20.0	20.0	5.0	23.3	J-2	23.3	J-2	True
J-378	True	Passed	1,000.0	1,908.9	1,000.0	1,908.9	20.0	20.0	5.0	23.9	J-379	23.9	J-379	True
J-379	True	Passed	1,000.0	1,737.6	1,012.0	1,749.6	20.0	20.0	5.0	24.2	J-2	24.2	J-2	True
J-380	True	Passed	1,000.0	1,773.7	1,000.0	1,773.7	20.0	20.0	5.0	24.1	J-381	24.1	J-381	True
J-381	True	Passed	1,000.0	1,644.3	1,018.0	1,662.3	20.0	20.0	5.0	24.2	J-2	24.2	J-2	True
J-382	True	Passed	1,000.0	1,666.0	1,000.0	1,666.0	20.0	20.0	5.0	24.2	J-2	24.2	J-2	True
J-385	False	Residual Pressure Failed	1,000.0	356.5	1,000.0	356.5	20.0	20.0	5.0	18.3	J-2	18.3	J-2	True
J-387	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	91.0	5.0	24.2	J-2	24.2	J-2	True
J-391	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	69.9	5.0	68.8	J-258	24.2	J-2	True
J-392	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	95.3	5.0	24.2	J-2	24.2	J-2	True
J-421	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	22.8	5.0	13.9	J-2	13.9	J-2	True
J-426	True	Passed	1,000.0	2,762.8	1,000.0	2,762.8	20.0	23.1	5.0	5.0	J-2	5.0	J-2	True
J-431	True	Passed	1,000.0	2,790.3	1,000.0	2,790.3	20.0	26.3	5.0	5.0	J-2	5.0	J-2	True
J-432	True	Passed	1,000.0	1,109.4	1,000.0	1,109.4	20.0	20.0	5.0	19.6	J-2	19.6	J-2	True
J-435	True	Passed	1,000.0	2,272.1	1,000.0	2,272.1	20.0	20.0	5.0	9.7	J-2	9.7	J-2	True
J-436	False	Residual Pressure Failed	1,000.0	450.6	1,000.0	450.6	20.0	20.0	5.0	22.1	J-2	22.1	J-2	True
J-439	True	Passed	1,000.0	2,847.8	1,000.0	2,847.8	20.0	37.2	5.0	5.0	J-2	5.0	J-2	True
J-441	True	Passed	1,000.0	2,850.1	1,000.0	2,850.1	20.0	33.6	5.0	5.0	J-2	5.0	J-2	True
J-443	True	Passed	1,000.0	2,813.4	1,000.0	2,813.4	20.0	35.3	5.0	5.0	J-2	5.0	J-2	True
J-444	True	Passed	1,000.0	2,813.7	1,000.0	2,813.7	20.0	32.8	5.0	5.0	J-2	5.0	J-2	True
J-445	True	Passed	1,000.0	2,507.3	1,000.0	2,507.3	20.0	20.0	5.0	7.2	J-2	7.2	J-2	True
J-448	False	Residual Pressure Failed	1,000.0	368.4	1,000.0	368.4	20.0	20.1	5.0	12.7	J-459	12.7	J-459	True
J-455	True	Passed	1,000.0	1,077.2	1,000.0	1,077.2	20.0	23.1	5.0	5.0	J-459	5.0	J-459	True
J-456	True	Passed	1,000.0	1,021.7	1,000.0	1,021.7	20.0	21.7	5.0	5.0	J-459	5.0	J-459	True
J-458	False	Residual Pressure Failed	1,000.0	256.1	1,000.0	256.1	20.0	20.2	5.0	16.9	J-459	16.9	J-459	True
J-459	False	Residual Pressure Failed	1,000.0	91.3	1,009.0	100.3	20.0	20.0	5.0	24.2	J-2	24.2	J-2	True
J-460	False	Residual Pressure Failed	1,000.0	143.4	1,000.0	143.4	20.0	20.3	5.0	20.0	J-461	20.0	J-461	True
J-461	False	Residual Pressure Failed	1,000.0	74.6	1,012.0	86.6	20.0	20.0	5.0	24.2	J-2	24.2	J-2	True
J-462	True	Passed	1,000.0	2,407.9	1,000.0	2,407.9	20.0	24.0	5.0	5.0	J-459	5.0	J-459	True
J-463	True	Passed	1,000.0	3,030.0	1,072.0	3,102.0	20.0	20.0	5.0	20.9	J-459	20.9	J-459	True
J-464	True	Passed	1,000.0	2,261.8	1,000.0	2,261.8	20.0	20.0	5.0	24.2	J-2	24.2	J-2	True
J-465	False	Residual Pressure Failed	1,000.0	522.1	1,015.0	537.1	20.0	20.0	5.0	10.5	J-459	10.5	J-459	True
J-466	False	Residual Pressure Failed	1,000.0	312.8	1,000.0	312.8	20.0	20.2	5.0	13.5	J-459	13.5	J-459	True
J-468	False	Residual Pressure Failed	1,000.0	178.5	1,000.0	178.5	20.0	20.2	5.0	20.6	J-461	20.6	J-461	True
J-469	False	Residual Pressure Failed	1,000.0	468.0	1,060.0	528.0	20.0	20.0	5.0	22.1	J-2	22.1	J-2	True
J-486	True	Passed	1,000.0	1,690.1	1,015.0	1,705.1	20.0	24.1	5.0	5.0	J-459	5.0	J-459	True
J-493	True	Passed	3,000.0	3,500.0	3,000.0	3,500.0	20.0	67.5	20.0	24.2	J-2	24.2	J-2	True
J-498	True	Passed	1,000.0	1,411.9	1,000.0	1,411.9	20.0	20.0	5.0	20.5	J-1574	20.5	J-1574	True
J-500	True	Passed	1,000.0	1,926.6	1,000.0	1,926.6	20.0	20.0	5.0	16.1	J-1574	16.1	J-1574	True

Fire Flow Node FlexTable: Fire Flow Results Table

Label	Satisfies Fire Flow Constraints?	Fire Flow Status	Fire Flow (Needed) (gpm)	Fire Flow (Available) (gpm)	Flow (Total Needed) (gpm)	Flow (Total Available) (gpm)	Pressure (Residual Lower Limit) (psi)	Pressure (Calculated Residual) (psi)	Pressure (Zone Lower Limit) (psi)	Pressure (Calculated Zone Lower Limit) (psi)	Junction w/ Minimum Pressure (Zone)	Pressure (Calculated System Lower Limit) (psi)	Junction w/ Minimum Pressure (System)	Is Fire Flow Run Balanced?
J-501	False	Residual Pressure Failed	1,000.0	550.5	1,000.0	550.5	20.0	20.1	5.0	19.8	J-469	19.8	J-469	True
J-507	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	69.9	5.0	62.2	J-252	24.2	J-2	True
J-508	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	70.2	5.0	62.4	J-252	24.2	J-2	True
J-651	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	58.0	5.0	24.2	J-2	24.2	J-2	True
J-652	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	63.6	5.0	24.2	J-2	24.2	J-2	True
J-655	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	64.0	5.0	24.2	J-2	24.2	J-2	True
J-870	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	68.1	5.0	24.2	J-2	24.2	J-2	True
J-875	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	63.1	5.0	69.4	J-1483	24.2	J-2	True
J-905	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	51.3	5.0	40.3	J-1286	24.2	J-2	True
J-991	True	Passed	1,000.0	3,197.4	1,000.0	3,197.4	20.0	20.0	5.0	12.3	J-1574	12.3	J-1574	True
J-993	True	Passed	1,000.0	2,683.8	1,000.0	2,683.8	20.0	20.0	5.0	13.9	J-1574	13.9	J-1574	True
J-995	True	Passed	1,000.0	2,360.2	1,000.0	2,360.2	20.0	20.0	5.0	15.5	J-1574	15.5	J-1574	True
J-1013	True	Passed	1,000.0	2,287.6	1,000.0	2,287.6	20.0	20.0	5.0	15.7	J-1574	15.7	J-1574	True
J-1020	True	Passed	1,000.0	2,105.4	1,000.0	2,105.4	20.0	20.0	5.0	16.0	J-1574	16.0	J-1574	True
J-1038	True	Passed	1,000.0	1,721.7	1,000.0	1,721.7	20.0	20.0	5.0	17.3	J-1574	17.3	J-1574	True
J-1039	True	Passed	1,000.0	1,812.3	1,000.0	1,812.3	20.0	20.0	5.0	17.0	J-1574	17.0	J-1574	True
J-1065	True	Passed	1,000.0	1,463.1	1,000.0	1,463.1	20.0	20.0	5.0	18.6	J-1574	18.6	J-1574	True
J-1066	True	Passed	1,000.0	1,510.6	1,000.0	1,510.6	20.0	20.0	5.0	17.7	J-1574	17.7	J-1574	True
J-1100	True	Passed	1,000.0	1,430.3	1,000.0	1,430.3	20.0	20.0	5.0	19.8	J-1574	19.8	J-1574	True
J-1101	True	Passed	1,000.0	1,423.9	1,000.0	1,423.9	20.0	20.0	5.0	20.0	J-1574	20.0	J-1574	True
J-1116	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	64.6	5.0	61.8	J-1561	24.2	J-2	True
J-1204	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	68.7	5.0	24.2	J-2	24.2	J-2	True
J-1286	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	20.5	5.0	23.2	J-1385	10.6	J-459	True
J-1293	True	Passed	1,000.0	2,910.0	1,000.0	2,910.0	20.0	22.6	5.0	5.0	J-459	5.0	J-459	True
J-1380	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	29.3	5.0	25.0	J-1286	15.1	J-459	True
J-1381	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	32.3	5.0	26.2	J-1286	16.3	J-459	True
J-1382	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	44.7	5.0	34.6	J-1286	24.2	J-2	True
J-1383	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	36.0	5.0	28.0	J-1286	18.1	J-459	True
J-1384	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	26.3	5.0	23.6	J-1286	13.7	J-459	True
J-1385	True	Passed	1,000.0	3,500.0	2,578.0	5,078.0	20.0	22.9	5.0	21.8	J-1286	11.9	J-459	True
J-1386	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	25.7	5.0	9.9	J-459	9.9	J-459	True
J-1409	True	Passed	1,000.0	1,168.3	1,000.0	1,168.3	20.0	20.0	5.0	19.4	J-238	19.4	J-238	True
J-1446	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	66.1	5.0	59.6	J-1483	24.2	J-2	True
J-1447	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	66.4	5.0	59.5	J-1483	24.2	J-2	True
J-1448	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	65.9	5.0	59.5	J-1483	24.2	J-2	True
J-1449	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	65.9	5.0	59.5	J-1483	24.2	J-2	True
J-1450	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	65.4	5.0	59.4	J-1483	24.2	J-2	True
J-1451	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	65.4	5.0	59.3	J-1483	24.2	J-2	True
J-1452	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	65.7	5.0	59.2	J-1483	24.2	J-2	True
J-1453	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	66.4	5.0	59.2	J-1483	24.2	J-2	True
J-1454	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	58.7	5.0	58.2	J-1483	24.2	J-2	True
J-1457	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	59.7	5.0	51.0	J-1513	24.2	J-2	True
J-1458	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	60.9	5.0	47.3	J-1286	24.2	J-2	True
J-1459	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	55.5	5.0	43.7	J-1286	24.2	J-2	True
J-1464	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	66.1	5.0	59.5	J-1483	24.2	J-2	True
J-1465	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	65.8	5.0	59.5	J-1483	24.2	J-2	True
J-1466	True	Passed	1,000.0	3,129.2	1,439.5	3,568.7	20.0	20.0	5.0	60.7	J-1483	24.2	J-2	True

Fire Flow Node FlexTable: Fire Flow Results Table

Label	Satisfies Fire Flow Constraints?	Fire Flow Status	Fire Flow (Needed) (gpm)	Fire Flow (Available) (gpm)	Flow (Total Needed) (gpm)	Flow (Total Available) (gpm)	Pressure (Residual Lower Limit) (psi)	Pressure (Calculated Residual) (psi)	Pressure (Zone Lower Limit) (psi)	Pressure (Calculated Zone Lower Limit) (psi)	Junction w/ Minimum Pressure (Zone)	Pressure (Calculated System Lower Limit) (psi)	Junction w/ Minimum Pressure (System)	Is Fire Flow Run Balanced?
J-1468	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	65.3	5.0	59.3	J-1483	24.2	J-2	True
J-1471	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	64.9	5.0	58.5	J-1483	24.2	J-2	True
J-1475	True	Passed	1,000.0	1,877.7	1,081.0	1,958.7	20.0	20.0	5.0	19.2	J-1685	19.2	J-1685	True
J-1483	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	55.8	5.0	61.5	J-1454	24.2	J-2	True
J-1484	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	65.6	5.0	57.4	J-1483	24.2	J-2	True
J-1484	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	58.3	5.0	52.9	J-1685	24.2	J-2	True
J-1485	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	70.6	5.0	59.5	J-1483	24.2	J-2	True
J-1485	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	56.9	5.0	52.9	J-1685	24.2	J-2	True
J-1486	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	70.7	5.0	61.6	J-1483	24.2	J-2	True
J-1487	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	66.0	5.0	52.9	J-1685	24.2	J-2	True
J-1494	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	63.1	5.0	50.8	J-1513	24.2	J-2	True
J-1495	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	61.0	5.0	50.5	J-1513	24.2	J-2	True
J-1496	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	52.1	5.0	50.1	J-1513	24.2	J-2	True
J-1497	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	58.2	5.0	50.1	J-1513	24.2	J-2	True
J-1498	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	62.8	5.0	50.2	J-1513	24.2	J-2	True
J-1498	True	Passed	1,000.0	3,500.0	1,019.5	3,519.5	20.0	63.9	5.0	52.9	J-1685	24.2	J-2	True
J-1499	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	67.2	5.0	50.3	J-1513	24.2	J-2	True
J-1500	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	63.4	5.0	50.2	J-1513	24.2	J-2	True
J-1501	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	69.0	5.0	50.2	J-1513	24.2	J-2	True
J-1502	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	68.1	5.0	50.2	J-1513	24.2	J-2	True
J-1503	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	67.8	5.0	50.2	J-1513	24.2	J-2	True
J-1504	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	68.2	5.0	50.2	J-1513	24.2	J-2	True
J-1505	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	68.9	5.0	50.2	J-1513	24.2	J-2	True
J-1506	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	68.8	5.0	24.2	J-2	24.2	J-2	True
J-1507	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	65.1	5.0	50.2	J-1513	24.2	J-2	True
J-1511	True	Passed	1,000.0	3,500.0	1,600.0	4,100.0	20.0	66.7	5.0	56.9	J-1517	24.2	J-2	True
J-1512	True	Passed	1,000.0	3,500.0	1,600.0	4,100.0	20.0	64.0	5.0	55.3	J-1517	24.2	J-2	True
J-1513	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	49.9	5.0	52.6	J-1496	24.2	J-2	True
J-1514	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	60.0	5.0	57.6	J-1517	24.2	J-2	True
J-1515	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	64.5	5.0	64.0	J-1517	24.2	J-2	True
J-1517	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	54.3	5.0	60.7	J-1514	24.2	J-2	True
J-1519	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	67.8	5.0	50.2	J-1513	24.2	J-2	True
J-1521	True	Passed	1,000.0	3,500.0	1,131.2	3,631.3	20.0	32.9	5.0	68.1	J-1523	24.2	J-2	True
J-1523	True	Passed	1,000.0	3,500.0	1,131.2	3,631.3	20.0	29.3	5.0	67.7	J-1521	24.2	J-2	True
J-1525	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	69.1	5.0	50.2	J-1513	24.2	J-2	True
J-1540	True	Passed	1,000.0	1,960.7	1,000.0	1,960.7	20.0	20.0	5.0	19.4	J-1561	19.4	J-1561	True
J-1541	True	Passed	1,000.0	1,803.8	1,000.0	1,803.8	20.0	20.0	5.0	19.2	J-1561	19.2	J-1561	True
J-1542	True	Passed	1,000.0	1,686.3	1,000.0	1,686.3	20.0	20.0	5.0	20.4	J-1543	20.4	J-1543	True
J-1543	True	Passed	1,000.0	1,634.6	1,000.0	1,634.6	20.0	20.0	5.0	20.3	J-1557	20.3	J-1557	True
J-1544	True	Passed	1,000.0	1,581.8	1,000.0	1,581.8	20.0	20.0	5.0	19.6	J-1646	19.6	J-1646	True
J-1545	True	Passed	1,000.0	1,543.9	1,000.0	1,543.9	20.0	20.0	5.0	19.8	J-1646	19.8	J-1646	True
J-1546	True	Passed	1,000.0	1,539.6	1,000.0	1,539.6	20.0	20.0	5.0	20.0	J-1646	20.0	J-1646	True
J-1547	True	Passed	1,000.0	1,535.5	1,000.0	1,535.5	20.0	20.0	5.0	20.2	J-1646	20.2	J-1646	True
J-1548	True	Passed	1,000.0	1,532.4	1,000.0	1,532.4	20.0	20.0	5.0	20.1	J-1547	20.1	J-1547	True
J-1549	True	Passed	1,000.0	1,527.2	1,000.0	1,527.2	20.0	20.0	5.0	20.2	J-1550	20.2	J-1550	True
J-1550	True	Passed	1,000.0	1,517.7	1,000.0	1,517.7	20.0	20.0	5.0	20.4	J-1549	20.4	J-1549	True
J-1551	True	Passed	1,000.0	1,541.1	1,000.0	1,541.1	20.0	20.0	5.0	19.9	J-1646	19.9	J-1646	True

Fire Flow Node FlexTable: Fire Flow Results Table

Label	Satisfies Fire Flow Constraints?	Fire Flow Status	Fire Flow (Needed) (gpm)	Fire Flow (Available) (gpm)	Flow (Total Needed) (gpm)	Flow (Total Available) (gpm)	Pressure (Residual Lower Limit) (psi)	Pressure (Calculated Residual) (psi)	Pressure (Zone Lower Limit) (psi)	Pressure (Calculated Zone Lower Limit) (psi)	Junction w/ Minimum Pressure (Zone)	Pressure (Calculated System Lower Limit) (psi)	Junction w/ Minimum Pressure (System)	Is Fire Flow Run Balanced?
J-1554	True	Passed	1,000.0	1,558.4	1,000.0	1,558.4	20.0	20.0	5.0	19.3	J-1646	19.3	J-1646	True
J-1557	True	Passed	1,000.0	1,625.5	1,000.0	1,625.5	20.0	20.0	5.0	20.1	J-1646	20.1	J-1646	True
J-1559	True	Passed	1,000.0	1,762.6	1,000.0	1,762.6	20.0	20.0	5.0	19.1	J-1561	19.1	J-1561	True
J-1560	True	Passed	1,000.0	1,381.1	1,285.4	1,666.5	20.0	20.0	5.0	31.0	J-1561	24.2	J-2	True
J-1561	True	Passed	1,000.0	1,310.7	1,285.4	1,596.0	20.0	20.0	5.0	33.6	J-1560	24.2	J-2	True
J-1562	True	Passed	1,000.0	1,218.2	1,487.5	1,705.7	20.0	20.0	5.0	40.6	J-1574	24.2	J-2	True
J-1563	True	Passed	1,000.0	2,088.8	1,000.0	2,088.8	20.0	20.0	5.0	16.0	J-1574	16.0	J-1574	True
J-1570	True	Passed	1,000.0	1,426.1	1,000.0	1,426.1	20.0	20.0	5.0	19.9	J-1574	19.9	J-1574	True
J-1573	True	Passed	1,000.0	1,481.1	1,000.0	1,481.1	20.0	20.0	5.0	17.9	J-1574	17.9	J-1574	True
J-1574	True	Passed	1,000.0	1,102.5	1,487.5	1,590.0	20.0	20.0	5.0	33.1	J-1575	24.2	J-2	True
J-1575	True	Passed	1,000.0	1,156.8	1,487.5	1,644.3	20.0	20.0	5.0	29.6	J-1574	24.2	J-2	True
J-1645	True	Passed	1,000.0	1,292.0	1,285.4	1,577.3	20.0	20.0	5.0	29.3	J-1646	24.2	J-2	True
J-1646	True	Passed	1,000.0	1,286.9	1,285.4	1,572.2	20.0	20.0	5.0	30.2	J-1554	24.2	J-2	True
J-1648	True	Passed	1,000.0	1,464.3	1,487.5	1,951.8	20.0	20.0	5.0	35.3	J-1574	24.2	J-2	True
J-1649	True	Passed	1,000.0	3,500.0	1,439.5	3,939.5	20.0	68.7	5.0	59.7	J-1483	24.2	J-2	True
J-1650	True	Passed	1,000.0	2,936.0	1,591.7	3,527.7	20.0	20.0	5.0	63.1	J-1483	24.2	J-2	True
J-1651	True	Passed	1,000.0	3,500.0	1,591.7	4,091.7	20.0	70.4	5.0	62.9	J-1483	24.2	J-2	True
J-1664	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	34.2	5.0	27.4	J-1286	17.5	J-459	True
J-1683	True	Passed	1,000.0	1,535.9	1,184.5	1,720.4	20.0	20.0	5.0	20.0	J-1683	24.2	J-2	True
J-1685	True	Passed	1,000.0	1,664.1	1,000.0	1,664.1	20.0	20.0	5.0	26.3	J-1686	23.4	J-216	True
J-1686	True	Passed	1,000.0	1,770.0	1,000.0	1,770.0	20.0	20.0	5.0	19.0	J-1685	19.0	J-1685	True
J-1687	True	Passed	1,000.0	1,841.1	1,000.0	1,841.1	20.0	20.0	5.0	19.2	J-1685	19.2	J-1685	True
J-1689	True	Passed	1,000.0	2,091.8	1,000.0	2,091.8	20.0	20.0	5.0	19.3	J-1685	19.3	J-1685	True
J-1691	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	66.2	5.0	59.8	J-1483	24.2	J-2	True
J-1692	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	73.0	5.0	59.8	J-1483	24.2	J-2	True
J-1693	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	70.1	5.0	59.7	J-1483	24.2	J-2	True

ULTIMATE LAYOUT

1 INCH = 1,500 FT

0 750 1,500 Feet

DETAIL A

DETAIL B

DETAIL C

DETAIL D

DETAIL E

DETAIL F

ULTIMATE 1 PLANT

ULTIMATE 2 PLANT

ULTIMATE 3 PLANT

CITY TOWN PLANT

CITY HILL PLANT

ALSATIAN OAKS PLANT

MEDINA VALLEY PLANT

AIRPORT PLANT

Castroville

PROJECT NAME:	WATER & WASTEWATER MASTER PLAN
PROJECT NO.:	W0143-W015
DRAWN BY:	HAYDEN.DALLMEYER
CHECKED BY:	DARYL.SPILLMAN

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CASTROVILLE
The Little Alsace of Texas

CITY OF CASTROVILLE
WATER & WASTEWATER MASTER PLAN
ULTIMATE WATER SYSTEM
WATERCAD MODEL LAYOUT

LEGEND

PIPE DIAMETER (IN)
- 8" AND SMALLER
- 10"-16"
- 24" AND GREATER

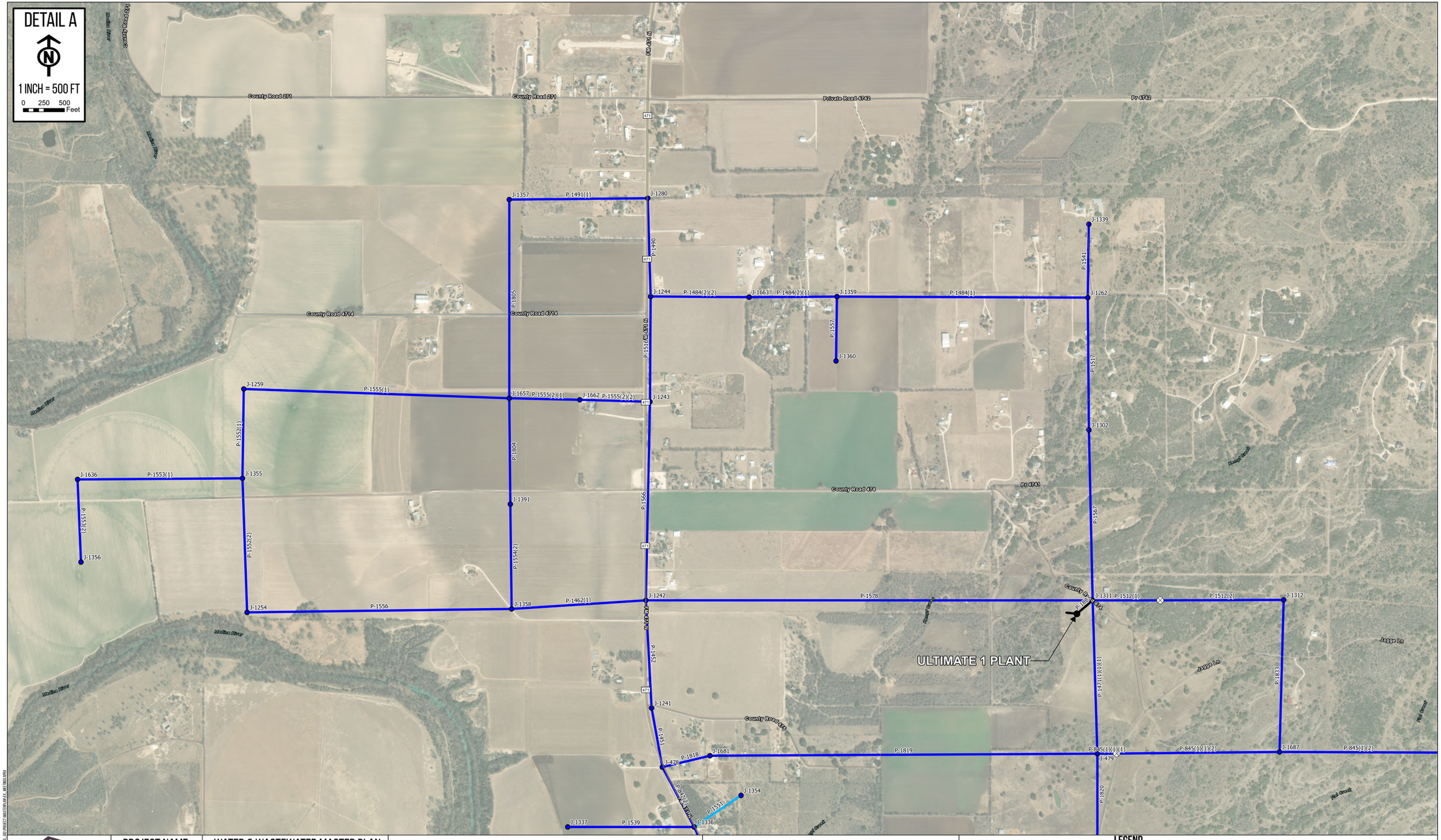
- ULTIMATE SYSTEM JUNCTIONS
- ULTIMATE SYSTEM TANKS
- ULTIMATE SYSTEM NORMALLY CLOSED ISOLATION VALVES
- VIEWPORTS

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DETAIL A

1 INCH = 500 FT

0 250 500 Feet



PROJECT NAME:	WATER & WASTEWATER MASTER PLAN
PROJECT NO.:	W0143-W015
DRAWN BY:	HAYDEN.DALLMEYER
CHECKED BY:	DARYL.SPILLMAN

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CITY OF CASTROVILLE

WATER & WASTEWATER MASTER PLAN

ULTIMATE WATER SYSTEM

WATERCAD MODEL DETAIL A (1/6)

LEGEND

PIPE DIAMETER (IN)
- 8" AND SMALLER
- 10"-16"
- 24" AND GREATER

ULTIMATE SYSTEM JUNCTIONS

ULTIMATE SYSTEM TANKS

ULTIMATE SYSTEM NORMALLY CLOSED ISOLATION VALVES

N:\PROJECTS\W0143-CITY OF CASTROVILLE\TX\WATER - WWMP MASTER PLAN\06_GIS\PROJECT MASTER PLAN\A - METRIC.APRX

DETAIL B

1 INCH = 500 FT

0 250 500 Feet

ULTIMATE 3 PLANT

ULTIMATE 2 PLANT

J-1236
J-1277
J-1303
J-1308
J-1314
J-1274
J-1714
J-506
J-481
J-480
J-1306
J-1634
J-1315
J-1597
J-1716
J-1638
J-1389
J-1276
J-1275

P-1447(1)(1)(1)
P-1447(1)(2)(1)
P-1472(1)(2)(1)
P-1447(1)(2)(2)
P-1447(1)(1)(2)
P-1487(2)
P-1487(1)(2)
P-1487(1)(1)(2)
P-1487(1)(1)(1)
P-1868
P-1812
P-1813
P-1829
P-1836
P-1785(2)
P-1785(1)
P-1750(2)(2)(2)
P-1750(2)(1)
P-1488(1)
P-1519
P-845(1)(2)
P-1518
P-846(2)
P-1786(1)
P-1786(2)
P-1503
P-1870
P-847(1)

Private Road 4733
Private Road 476
Private Road 476

Hoppy Brook
Little Bosque Brook
Little Bosque Brook
Little Bosque Brook
Little Bosque Brook
Little Bosque Brook
Bosque Brook
Bosque Brook
Bosque Brook

PROJECT NAME:	WATER & WASTEWATER MASTER PLAN
PROJECT NO.:	W0143-W015
DRAWN BY:	HAYDEN.DALLMEYER
CHECKED BY:	DARYL.SPILLMAN

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CITY OF CASTROVILLE
WATER & WASTEWATER MASTER PLAN
ULTIMATE WATER SYSTEM
WATERCAD MODEL DETAIL B (2/6)

LEGEND

PIPE DIAMETER (IN)
- 8" AND SMALLER
- 10"-16"
- 24" AND GREATER

ULTIMATE SYSTEM JUNCTIONS

ULTIMATE SYSTEM TANKS

ULTIMATE SYSTEM NORMALLY CLOSED ISOLATION VALVES

X:\PROJECTS\W0143-CITY OF CASTROVILLE\TX\WRTS - WWMM MASTER PLAN\GIS_IDP\PROJECT MAPS\TECH\WRTS_WWMM_MASTER PLAN_GIS_IDP_PROJECT MAPS_TECH_MXD

DETAIL C

1 INCH = 500 FT

0 250 500 Feet

CITY TOWN PLANT

PROJECT NAME:	WATER & WASTEWATER MASTER PLAN
PROJECT NO.:	W0143-W015
DRAWN BY:	HAYDEN.DALLMEYER
CHECKED BY:	DARYL.SPILLMAN

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CITY OF CASTROVILLE

WATER & WASTEWATER MASTER PLAN

ULTIMATE WATER SYSTEM

WATERCAD MODEL DETAIL D (3/6)

LEGEND

PIPE DIAMETER (IN)
- 8" AND SMALLER
- 10"-16"
- 24" AND GREATER

ULTIMATE SYSTEM JUNCTIONS

ULTIMATE SYSTEM TANKS

ULTIMATE SYSTEM NORMALLY CLOSED ISOLATION VALVES

DETAIL D

1 INCH = 500 FT

0 250 500 Feet

ALSATIAN OAKS PLANT

MEDINA VALLEY PLANT

ULTIMATE 4 PLANT

PROJECT NAME:	WATER & WASTEWATER MASTER PLAN
PROJECT NO.:	W0143-W015
DRAWN BY:	HAYDEN.DALLMEYER
CHECKED BY:	DARYL.SPILLMAN

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CITY OF CASTROVILLE

WATER & WASTEWATER MASTER PLAN

ULTIMATE WATER SYSTEM

WATERCAD MODEL DETAIL D (4/6)

LEGEND

PIPE DIAMETER (IN)
- 8" AND SMALLER
- 10"-16"
- 24" AND GREATER

ULTIMATE SYSTEM JUNCTIONS

ULTIMATE SYSTEM TANKS

ULTIMATE SYSTEM NORMALLY CLOSED ISOLATION VALVES

DETAIL E

1 INCH = 500 FT

0 500 1,000 Feet

CITY HILL PLANT

US Highway 90 W

County Road 4343

FM 1343

Quail Ln

Kempf Ln

Alsatian Dr

Lower Castroville Rd

Medina River

Alsace Ave

Haeckerman St

Kuhlmann St

Adams St

Galvez St

Lisbon St

Polyline

PROJECT NAME:	WATER & WASTEWATER MASTER PLAN
PROJECT NO.:	W0143-W015
DRAWN BY:	HAYDEN.DALLMEYER
CHECKED BY:	DARYL.SPILLMAN

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CITY OF CASTROVILLE

WATER & WASTEWATER MASTER PLAN

ULTIMATE WATER SYSTEM

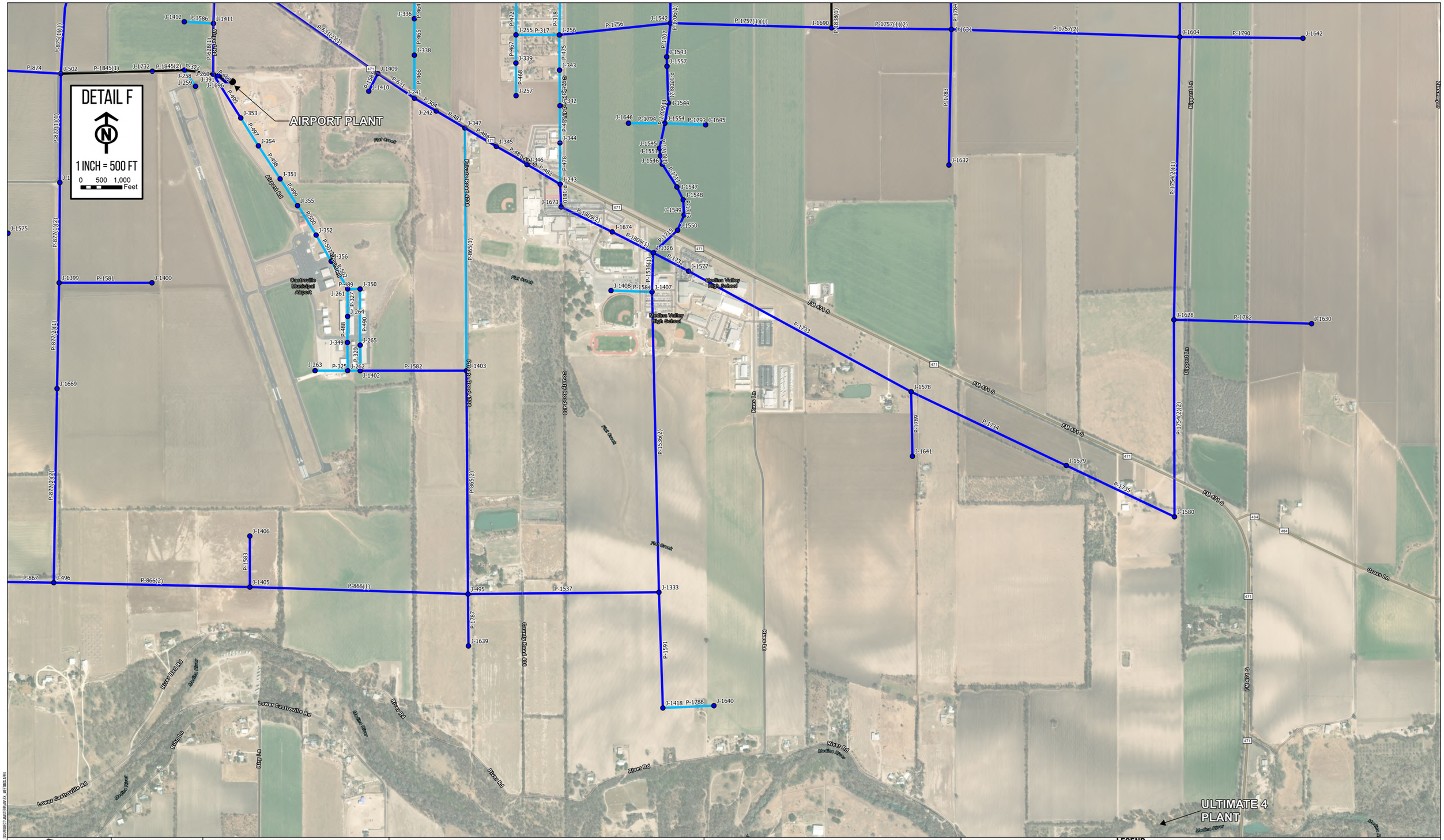
WATERCAD MODEL DETAIL E (5/6)

LEGEND

PIPE DIAMETER (IN)
- 8" AND SMALLER
- 10"-16"
- 24" AND GREATER

- ULTIMATE SYSTEM JUNCTIONS
- ULTIMATE SYSTEM TANKS
- ULTIMATE SYSTEM NORMALLY CLOSED ISOLATION VALVES

X:\PROJECTS\W0143-CITY OF CASTROVILLE TX\-W015 - WWW MASTER PLAN\GIS_MXD\PROJECT MASTER PLAN\EX_MPETB06.MXD



PROJECT NAME:	WATER & WASTEWATER MASTER PLAN
PROJECT NO.:	W0143-W015
DRAWN BY:	HAYDEN.DALLMEYER
CHECKED BY:	DARYL.SPILLMAN

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CITY OF CASTROVILLE
WATER & WASTEWATER MASTER PLAN

ULTIMATE WATER SYSTEM

WATERCAD MODEL DETAIL F (6/6)

LEGEND

PIPE DIAMETER (IN)
- 8" AND SMALLER
- 10"-16"
- 24" AND GREATER

ULTIMATE SYSTEM JUNCTIONS

ULTIMATE SYSTEM TANKS

ULTIMATE SYSTEM NORMALLY CLOSED ISOLATION VALVES

X:\PROJECTS\W0143\CITY OF CASTROVILLE TX\MPTS - MASTER PLAN\RUN_ID\0-PROJECT\MASTER PLAN V1_ MPT.TMDC.MPRK

RESPEC

ULTIMATE SYSTEM
ADF RESULTS

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-2	400	J-4	J-5	6.0	PVC	120.0	0.350	9.2	0.10
P-3	372	J-5	J-6	6.0	PVC	120.0	0.500	29.5	0.33
P-4	406	J-6	J-7	6.0	PVC	120.0	0.500	29.0	0.33
P-6	362	J-7	J-9	6.0	PVC	120.0	0.350	17.8	0.20
P-7	385	J-9	J-10	6.0	PVC	120.0	0.800	10.9	0.12
P-8	595	J-6	J-11	8.0	PVC	120.0	0.000	0.0	0.00
P-9	388	J-12	J-4	6.0	PVC	120.0	1.280	13.1	0.15
P-11	399	J-12	J-14	8.0	PVC	120.0	1.280	24.8	0.16
P-12	388	J-5	J-14	8.0	PVC	120.0	1.280	22.4	0.14
P-13	186	J-14	J-15	8.0	PVC	120.0	0.350	2.4	0.02
P-14	180	J-15	J-16	8.0	PVC	120.0	0.000	0.6	0.00
P-15	395	J-16	J-17	8.0	PVC	120.0	0.750	31.2	0.20
P-16	374	J-17	J-18	8.0	PVC	120.0	0.750	69.3	0.44
P-17	388	J-18	J-19	8.0	PVC	120.0	0.750	58.2	0.37
P-18	400	J-19	J-20	8.0	PVC	120.0	0.750	54.0	0.34
P-19	394	J-20	J-21	8.0	PVC	120.0	0.350	32.8	0.21
P-20	379	J-21	J-22	8.0	PVC	120.0	0.750	31.5	0.20
P-21	373	J-22	J-23	8.0	PVC	120.0	0.350	28.1	0.18
P-22	377	J-23	J-24	8.0	PVC	120.0	0.750	27.6	0.18
P-23	393	J-24	J-25	8.0	PVC	120.0	1.280	16.4	0.10
P-24	375	J-15	J-26	2.0	PVC	120.0	1.280	1.8	0.18
P-25	571	J-26	J-6	8.0	PVC	120.0	0.750	0.5	0.00
P-26	184	J-26	J-27	8.0	PVC	120.0	0.350	2.3	0.01
P-27	393	J-27	J-28	8.0	PVC	120.0	0.750	1.4	0.01
P-28	377	J-28	J-29	8.0	PVC	120.0	1.280	20.7	0.13
P-30	387	J-31	J-17	12.0	PVC	120.0	0.500	176.6	0.50
P-31	385	J-31	J-32	8.0	PVC	120.0	0.350	44.6	0.28
P-32	147	J-33	J-16	6.0	PVC	120.0	0.500	0.0	0.00
P-33	376	J-16	J-27	6.0	PVC	120.0	0.500	31.8	0.36
P-34	404	J-27	J-34	6.0	PVC	120.0	0.350	29.0	0.33
P-35	354	J-34	J-40	6.0	PVC	120.0	0.350	20.5	0.23
P-36	392	J-40	J-36	6.0	PVC	120.0	0.500	22.0	0.25
P-38	387	J-37	J-38	6.0	PVC	120.0	0.350	30.6	0.35
P-39	371	J-38	J-39	6.0	PVC	120.0	0.200	28.1	0.32
P-41	371	J-40	J-41	8.0	PVC	120.0	1.280	3.8	0.02
P-42	27	J-41	J-42	8.0	PVC	120.0	0.350	2.5	0.02
P-43	379	J-42	J-43	8.0	PVC	120.0	0.750	7.0	0.04
P-45	366	J-45	J-295	6.0	PVC	120.0	1.280	16.8	0.19
P-47	360	J-9	J-45	6.0	PVC	120.0	1.280	6.9	0.08
P-48	389	J-45	J-48	6.0	PVC	120.0	0.500	11.7	0.13
P-50	398	J-36	J-48	6.0	PVC	120.0	0.750	18.3	0.21
P-52	358	J-48	J-10	6.0	PVC	120.0	0.000	8.3	0.09
P-53	356	J-48	J-50	2.0	PVC	120.0	0.000	0.0	0.00
P-55	388	J-51	J-18	8.0	PVC	120.0	0.500	24.9	0.16
P-56	185	J-51	J-52	8.0	PVC	120.0	0.000	88.4	0.56
P-57	376	J-17	J-28	8.0	PVC	120.0	0.500	76.1	0.49
P-59	389	J-42	J-53	8.0	PVC	120.0	0.500	49.6	0.32
P-60	381	J-53	J-54	8.0	PVC	120.0	0.000	43.7	0.28
P-61	384	J-54	J-55	8.0	PVC	120.0	0.350	43.7	0.28
P-62	404	J-55	J-58	8.0	PVC	120.0	0.500	33.1	0.21
P-64	386	J-58	J-59	8.0	PVC	120.0	1.280	42.0	0.27
P-65	390	J-59	J-39	8.0	PVC	120.0	0.500	70.8	0.45
P-67	338	J-37	J-61	6.0	PVC	120.0	0.750	0.0	0.00
P-69	375	J-55	J-37	6.0	PVC	120.0	1.280	10.5	0.12
P-70	391	J-58	J-38	2.0	PVC	120.0	1.280	1.5	0.16
P-71	362	J-36	J-62	8.0	PVC	120.0	0.750	14.9	0.10
P-72	29	J-62	J-53	8.0	PVC	120.0	0.350	16.2	0.10
P-75	340	J-43	J-65	6.0	PVC	120.0	0.000	0.0	0.00
P-76	376	J-18	J-29	8.0	PVC	120.0	0.350	35.9	0.23
P-78	383	J-66	J-19	8.0	PVC	120.0	1.280	10.0	0.06
P-80	221	J-43	J-79	8.0	PVC	120.0	0.750	51.5	0.33
P-82	389	J-41	J-62	2.0	PVC	120.0	1.280	1.3	0.13
P-83	132	J-68	J-69	6.0	PVC	120.0	0.800	0.0	0.00
P-85	384	J-445	J-68	8.0	PVC	120.0	0.350	0.7	0.00
P-87	389	J-71	J-21	8.0	PVC	120.0	0.500	15.2	0.10
P-88	626	J-20	J-72	6.0	PVC	120.0	1.280	16.9	0.19
P-97	395	J-73	J-81	8.0	PVC	120.0	0.750	22.2	0.14
P-99	299	J-80	J-81	3.0	PVC	120.0	0.500	1.8	0.08
P-100	369	J-81	J-63	8.0	PVC	120.0	0.350	25.7	0.16
P-101	366	J-63	J-82	8.0	PVC	120.0	0.350	45.0	0.29
P-103	20	J-83	J-84	8.0	PVC	120.0	0.500	11.6	0.07
P-104	369	J-84	J-85	8.0	PVC	120.0	1.280	17.3	0.11
P-107	374	J-59	J-86	8.0	PVC	120.0	0.350	34.8	0.22
P-109	390	J-86	J-85	8.0	PVC	120.0	0.750	22.0	0.14
P-110	389	J-85	J-88	8.0	PVC	120.0	1.280	13.3	0.09
P-111	368	J-88	J-75	8.0	PVC	120.0	0.350	12.9	0.08
P-112	390	J-75	J-84	8.0	PVC	120.0	0.750	7.2	0.05
P-113	214	J-86	J-89	8.0	PVC	120.0	0.350	11.3	0.07
P-114	166	J-89	J-90	8.0	PVC	120.0	1.280	(N/A)	(N/A)
P-115	178	J-89	J-92	8.0	PVC	120.0	0.500	11.3	0.07
P-116	157	J-92	J-93	8.0	PVC	120.0	0.500	1.4	0.01
P-117	284	J-94	J-95	6.0	PVC	120.0	0.000	0.0	0.00
P-118	491	J-95	J-96	2.0	PVC	120.0	1.280	0.0	0.00
P-119	220	J-95	J-97	6.0	PVC	120.0	0.350	1.9	0.02
P-120	282	J-97	J-93	2.0	PVC	120.0	0.300	0.0	0.00
P-121	432	J-93	J-98	2.0	PVC	120.0	0.300	0.6	0.06

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-122	209	J-97	J-92	8.0	PVC	120.0	0.500	1.9	0.01
P-125	387	J-99	J-100	8.0	PVC	120.0	0.000	11.5	0.07
P-126	34	J-100	J-101	8.0	PVC	120.0	1.280	3.3	0.02
P-127	371	J-102	J-103	8.0	PVC	120.0	0.350	18.3	0.12
P-128	377	J-103	J-100	8.0	PVC	120.0	0.800	8.2	0.05
P-129	291	J-103	J-104	8.0	PVC	120.0	1.280	0.0	0.00
P-130	384	J-88	J-99	8.0	PVC	120.0	0.500	0.5	0.00
P-131	213	J-99	J-105	8.0	PVC	120.0	0.500	6.3	0.04
P-132	421	J-105	J-98	8.0	PVC	120.0	0.300	0.6	0.00
P-134	107	J-106	J-107	8.0	PVC	120.0	0.500	7.7	0.05
P-137	420	J-110	J-111	8.0	PVC	120.0	0.300	9.7	0.06
P-138	420	J-111	J-112	8.0	PVC	120.0	0.300	15.8	0.10
P-139	417	J-112	J-101	8.0	PVC	120.0	0.000	12.9	0.08
P-141	444	J-101	J-105	8.0	PVC	120.0	0.350	9.6	0.06
P-143	606	J-114	J-112	2.0	PVC	120.0	0.500	0.5	0.05
P-144	400	J-114	J-102	6.0	PVC	120.0	0.750	7.7	0.09
P-145	380	J-102	J-75	6.0	PVC	120.0	0.750	9.1	0.10
P-146	379	J-114	J-115	6.0	PVC	120.0	0.750	2.1	0.02
P-147	292	J-115	J-116	6.0	PVC	120.0	0.750	1.9	0.02
P-148	89	J-116	J-117	6.0	PVC	120.0	1.280	1.9	0.02
P-149	429	J-111	J-115	6.0	PVC	120.0	0.500	6.0	0.07
P-150	387	J-115	J-118	6.0	PVC	120.0	0.500	5.8	0.07
P-151	406	J-118	J-119	6.0	PVC	120.0	0.350	6.2	0.07
P-152	372	J-118	J-120	2.0	PVC	120.0	1.280	0.3	0.03
P-154	9	J-122	J-123	6.0	PVC	120.0	0.750	17.3	0.20
P-155	381	J-122	J-24	6.0	PVC	120.0	0.500	6.2	0.07
P-157	385	J-124	J-125	6.0	PVC	120.0	0.500	6.7	0.08
P-158	383	J-125	J-126	6.0	PVC	120.0	0.350	5.6	0.06
P-159	374	J-126	J-127	6.0	PVC	120.0	0.500	5.3	0.06
P-160	406	J-127	J-120	6.0	PVC	120.0	0.350	8.2	0.09
P-161	383	J-120	J-117	6.0	PVC	120.0	0.350	2.3	0.03
P-162	261	J-117	J-110	6.0	PVC	120.0	0.500	4.2	0.05
P-163	392	J-109	J-127	8.0	PVC	120.0	1.280	1.6	0.01
P-164	372	J-127	J-119	8.0	PVC	120.0	0.750	4.5	0.03
P-166	402	J-443	J-74	8.0	PVC	120.0	0.750	13.8	0.09
P-167	397	J-74	J-82	8.0	PVC	120.0	1.280	14.6	0.09
P-170	383	J-25	J-130	8.0	PVC	120.0	0.350	10.4	0.07
P-171	415	J-130	J-131	8.0	PVC	120.0	0.750	1.4	0.01
P-172	363	J-131	J-132	8.0	PVC	120.0	0.350	0.0	0.00
P-173(1)	59	J-132	PRV-42	6.0	PVC	120.0	0.200	(N/A)	(N/A)
P-173(2)	204	PRV-42	J-133	6.0	PVC	120.0	0.200	(N/A)	(N/A)
P-174	263	J-133	J-134	6.0	PVC	120.0	1.280	0.0	0.00
P-175	310	J-133	J-135	6.0	PVC	120.0	0.350	3.8	0.04
P-177	306	J-136	J-137	6.0	PVC	120.0	0.350	11.5	0.13
P-178	322	J-137	J-138	6.0	PVC	120.0	0.350	9.9	0.11
P-179	254	J-138	J-139	6.0	PVC	120.0	0.350	8.4	0.10
P-181	235	J-139	J-141	6.0	PVC	120.0	0.350	1.9	0.02
P-182	22	J-142	J-143	2.0	PVC	120.0	0.750	0.0	0.00
P-183	49	J-143	J-144	2.0	PVC	120.0	0.000	0.0	0.00
P-185	228	J-145	J-146	6.0	PVC	120.0	0.000	0.0	0.00
P-195	384	J-151	J-22	8.0	PVC	120.0	1.280	5.5	0.03
P-196	377	J-130	J-123	8.0	PVC	120.0	0.000	17.3	0.11
P-198	359	J-132	J-153	2.0	PVC	120.0	1.280	0.0	0.00
P-199	359	J-131	J-154	6.0	PVC	120.0	1.280	1.4	0.02
P-201	383	J-156	J-23	8.0	PVC	120.0	0.500	0.5	0.00
P-203	391	J-151	J-71	8.0	PVC	120.0	0.750	34.5	0.22
P-204	256	J-71	J-158	8.0	PVC	120.0	0.000	33.2	0.21
P-205	378	J-122	J-156	8.0	PVC	120.0	0.750	23.5	0.15
P-206	361	J-156	J-151	8.0	PVC	120.0	0.750	29.0	0.19
P-207	380	J-124	J-159	6.0	PVC	120.0	0.750	7.1	0.08
P-210	379	J-162	J-159	8.0	PVC	120.0	0.500	7.1	0.05
P-211	65	J-159	J-163	0.8	PVC	120.0	0.750	0.0	0.00
P-212	378	J-125	J-162	6.0	PVC	120.0	0.750	3.9	0.04
P-213	359	J-162	J-165	6.0	PVC	120.0	0.750	0.4	0.00
P-215	388	J-165	J-166	6.0	PVC	120.0	0.750	14.1	0.16
P-216	399	J-166	J-73	6.0	PVC	120.0	0.750	18.3	0.21
P-217	528	J-166	J-167	6.0	PVC	120.0	0.500	16.5	0.19
P-218	225	J-167	J-168	6.0	PVC	120.0	0.350	16.5	0.19
P-219	112	J-167	J-169	6.0	PVC	120.0	1.280	0.0	0.00
P-220	378	J-165	J-170	8.0	PVC	120.0	0.500	0.0	0.00
P-221	376	J-165	J-171	8.0	PVC	120.0	0.500	10.5	0.07
P-222	75	J-126	J-172	2.0	PVC	120.0	1.280	0.4	0.04
P-223	299	J-172	J-160	3.0	PVC	120.0	0.750	0.4	0.02
P-224	410	J-160	J-171	3.0	PVC	120.0	0.750	0.3	0.01
P-225	181	J-171	J-173	3.0	PVC	120.0	0.000	0.0	0.00
P-226	398	J-166	J-174	8.0	PVC	120.0	0.000	20.7	0.13
P-227	350	J-174	J-443	8.0	PVC	120.0	0.500	20.7	0.13
P-228	370	J-160	J-119	8.0	PVC	120.0	0.500	6.1	0.04
P-229	488	J-110	J-175	2.0	PVC	120.0	0.000	0.0	0.00
P-230	210	J-176	J-177	2.0	PVC	120.0	0.500	2.4	0.25
P-231	386	J-177	J-178	2.0	PVC	120.0	0.300	7.2	0.74
P-232	78	J-177	J-179	2.0	PVC	120.0	0.800	9.6	0.98
P-233	361	J-180	J-181	2.0	PVC	120.0	1.280	1.2	0.12
P-235	220	J-183	J-184	2.0	PVC	120.0	0.750	0.0	0.00
P-239	420	J-185	J-182	6.0	PVC	120.0	1.280	5.4	0.06
P-240	279	J-60	J-186	12.0	PVC	120.0	0.000	98.9	0.28

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-241	143	J-186	J-185	6.0	PVC	120.0	0.350	36.6	0.42
P-243	297	J-187	J-188	6.0	PVC	120.0	1.280	68.6	0.78
P-244	215	J-187	J-189	6.0	PVC	120.0	0.350	68.6	0.78
P-245	218	J-189	J-190	6.0	PVC	120.0	0.350	44.2	0.50
P-248	23	J-192	J-193	6.0	PVC	120.0	1.280	14.8	0.17
P-250	47	J-194	J-196	6.0	PVC	120.0	0.350	32.2	0.37
P-252	84	J-197	J-198	6.0	PVC	120.0	0.500	34.4	0.39
P-253	126	J-197	J-199	6.0	PVC	120.0	0.500	28.0	0.32
P-254	160	J-199	J-192	6.0	PVC	120.0	1.280	9.6	0.11
P-255	434	J-200	J-201	2.0	PVC	120.0	0.500	0.0	0.00
P-258	166	J-193	J-199	8.0	PVC	120.0	0.350	14.3	0.09
P-259	68	J-199	J-198	8.0	PVC	120.0	0.750	4.0	0.03
P-262	150	J-203	J-204	6.0	PVC	120.0	0.000	19.9	0.23
P-264	437	J-194	J-206	8.0	PVC	120.0	0.350	47.5	0.30
P-265	287	J-206	J-207	8.0	PVC	120.0	0.350	68.6	0.44
P-266	294	J-207	J-107	8.0	PVC	120.0	0.350	92.7	0.59
P-268	558	J-106	J-209	6.0	PVC	120.0	1.280	1.9	0.02
P-269	498	J-209	J-210	6.0	PVC	120.0	0.500	0.0	0.00
P-270	651	J-209	J-211	6.0	PVC	120.0	0.000	0.0	0.00
P-272	331	J-212	J-213	6.0	PVC	120.0	1.280	0.3	0.00
P-274	487	J-212	J-214	6.0	PVC	120.0	0.350	27.2	0.31
P-275	313	J-214	J-215	6.0	PVC	120.0	0.350	32.0	0.36
P-276	187	J-215	J-216	6.0	PVC	120.0	0.000	33.5	0.38
P-277	202	J-213	J-217	4.0	PVC	120.0	0.750	0.7	0.02
P-278	305	J-214	J-218	4.0	PVC	120.0	1.280	1.7	0.04
P-279	305	J-215	J-219	4.0	PVC	120.0	1.280	1.4	0.04
P-280	307	J-213	J-204	8.0	PVC	120.0	0.350	26.3	0.17
P-282	492	J-204	J-221	8.0	PVC	120.0	1.280	46.2	0.30
P-283	308	J-221	J-222	8.0	PVC	120.0	0.350	51.0	0.33
P-285	261	J-223	J-224	8.0	PVC	120.0	0.350	109.7	0.70
P-286	261	J-224	J-225	8.0	PVC	120.0	0.350	112.6	0.72
P-287	158	J-225	J-226	8.0	PVC	120.0	0.350	115.2	0.74
P-288	287	J-226	J-227	8.0	PVC	120.0	0.750	115.2	0.74
P-289	304	J-221	J-228	4.0	PVC	120.0	1.280	1.4	0.04
P-290	304	J-222	J-229	4.0	PVC	120.0	1.280	1.4	0.04
P-291	386	J-223	J-230	6.0	PVC	120.0	1.280	2.6	0.03
P-292	387	J-224	J-231	6.0	PVC	120.0	1.280	2.9	0.03
P-293	385	J-225	J-232	6.0	PVC	120.0	1.280	2.6	0.03
P-294	171	J-226	J-233	2.0	PVC	120.0	1.280	0.0	0.00
P-295	565	J-234	J-227	12.0	PVC	120.0	0.500	70.6	0.20
P-301	395	J-238	J-239	8.0	PVC	120.0	0.000	104.1	0.66
P-302	619	J-239	J-240	8.0	PVC	120.0	1.280	0.0	0.00
P-304	308	J-241	J-242	10.0	PVC	120.0	0.300	259.6	1.06
P-312	554	J-250	J-251	10.0	PVC	120.0	1.280	264.3	1.08
P-313	653	J-252	J-253	10.0	PVC	120.0	0.000	97.6	0.40
P-314	333	J-253	J-254	10.0	PVC	120.0	0.350	76.2	0.31
P-315	275	J-253	J-251	8.0	PVC	120.0	1.280	173.8	1.11
P-317	528	J-255	J-256	8.0	PVC	120.0	1.280	72.5	0.46
P-318	512	J-256	J-254	8.0	PVC	120.0	0.350	73.8	0.47
P-321	238	J-258	J-259	6.0	PVC	120.0	0.800	0.0	0.00
P-322	351	J-258	J-260	24.0	PVC	120.0	0.000	1,715.9	1.22
P-325	394	J-262	J-263	6.0	PVC	120.0	0.350	0.5	0.01
P-327	337	J-264	J-261	6.0	PVC	120.0	0.000	0.3	0.00
P-329	461	J-265	J-262	6.0	PVC	120.0	0.800	0.2	0.00
P-331	238	J-7	J-266	1.5	PVC	120.0	0.000	0.0	0.00
P-332	462	J-196	J-267	1.5	PVC	120.0	1.280	0.7	0.13
P-333	390	J-40	J-45	8.0	PVC	120.0	1.280	8.3	0.05
P-334	169	J-72	J-268	3.0	PVC	120.0	1.280	0.0	0.00
P-336	436	J-269	J-136	6.0	PVC	120.0	0.800	4.7	0.05
P-338	319	J-270	J-147	6.0	PVC	120.0	0.800	7.9	0.09
P-339	458	J-137	J-271	6.0	PVC	120.0	1.280	1.7	0.02
P-340	512	J-271	J-270	6.0	PVC	120.0	0.000	7.9	0.09
P-341	502	J-147	J-272	6.0	PVC	120.0	1.280	6.5	0.07
P-342	403	J-272	J-138	6.0	PVC	120.0	1.280	1.4	0.02
P-343	414	J-139	J-273	6.0	PVC	120.0	1.280	10.3	0.12
P-344	439	J-273	J-148	6.0	PVC	120.0	0.350	10.3	0.12
P-346	101	J-274	J-150	8.0	PVC	120.0	0.800	197.1	1.26
P-347	539	J-149	J-276	8.0	PVC	120.0	0.350	200.5	1.28
P-348	549	J-276	J-274	8.0	PVC	120.0	0.800	200.5	1.28
P-349	504	J-149	J-277	12.0	PVC	120.0	0.200	228.8	0.65
P-350	349	J-277	J-143	12.0	PVC	120.0	0.000	228.8	0.65
P-351	438	J-148	J-278	12.0	PVC	120.0	0.200	24.7	0.07
P-352	523	J-278	J-149	12.0	PVC	120.0	1.280	28.3	0.08
P-353	183	J-148	J-279	6.0	PVC	120.0	1.280	14.4	0.16
P-354	240	J-279	J-147	6.0	PVC	120.0	0.350	14.4	0.16
P-355	356	J-145	J-280	6.0	PVC	120.0	0.350	1.0	0.01
P-356	416	J-280	J-136	6.0	PVC	120.0	1.280	6.8	0.08
P-357	334	J-135	J-281	6.0	PVC	120.0	0.800	2.8	0.03
P-358	312	J-281	J-269	6.0	PVC	120.0	0.000	4.7	0.05
P-359	676	J-143	J-282	12.0	PVC	120.0	0.500	228.8	0.65
P-361	528	J-282	J-387	12.0	PVC	120.0	0.000	230.5	0.65
P-362	604	J-283	J-151	8.0	PVC	120.0	0.500	0.0	0.00
P-363	371	J-155	J-284	8.0	PVC	120.0	0.000	0.0	0.00
P-364	384	J-284	J-156	8.0	PVC	120.0	0.500	6.0	0.04
P-365	384	J-121	J-285	6.0	PVC	120.0	0.000	0.0	0.00
P-366	389	J-285	J-122	6.0	PVC	120.0	0.500	0.0	0.00

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-367	384	J-152	J-286	8.0	PVC	120.0	0.000	0.0	0.00
P-368	390	J-286	J-130	8.0	PVC	120.0	0.500	5.5	0.04
P-369	362	J-129	J-287	8.0	PVC	120.0	0.350	24.1	0.15
P-370	358	J-287	J-25	8.0	PVC	120.0	0.500	24.1	0.15
P-371	361	J-24	J-288	6.0	PVC	120.0	0.500	13.5	0.15
P-372	367	J-288	J-124	6.0	PVC	120.0	0.500	13.5	0.15
P-373	418	J-445	J-289	8.0	PVC	120.0	1.280	19.6	0.12
P-374	381	J-289	J-71	8.0	PVC	120.0	0.500	16.5	0.11
P-375	379	J-66	J-290	8.0	PVC	120.0	0.350	53.5	0.34
P-376	363	J-290	J-445	8.0	PVC	120.0	1.280	20.3	0.13
P-380	377	J-421	J-31	12.0	PVC	120.0	0.500	313.9	0.89
P-381	365	J-13	J-293	8.0	PVC	120.0	0.000	0.0	0.00
P-382	375	J-293	J-12	8.0	PVC	120.0	0.500	0.0	0.00
P-383	374	J-3	J-294	6.0	PVC	120.0	0.000	0.0	0.00
P-384	369	J-294	J-4	6.0	PVC	120.0	0.350	3.8	0.04
P-386	358	J-295	J-7	6.0	PVC	120.0	0.750	8.3	0.09
P-387	399	J-34	J-295	6.0	PVC	120.0	0.500	8.4	0.10
P-389	380	J-28	J-297	8.0	PVC	120.0	0.000	54.0	0.34
P-390	381	J-297	J-42	8.0	PVC	120.0	0.500	54.0	0.34
P-391	375	J-29	J-298	8.0	PVC	120.0	0.000	51.8	0.33
P-392	386	J-298	J-43	8.0	PVC	120.0	0.500	51.8	0.33
P-395	428	J-39	J-300	8.0	PVC	120.0	0.300	98.9	0.63
P-396	440	J-300	J-60	8.0	PVC	120.0	0.000	98.9	0.63
P-397	435	J-183	J-301	6.0	PVC	120.0	0.200	27.6	0.31
P-398	322	J-301	J-185	6.0	PVC	120.0	0.000	31.2	0.35
P-400	522	J-302	J-183	6.0	PVC	120.0	0.500	29.2	0.33
P-401	221	J-180	J-501	6.0	PVC	120.0	0.350	20.4	0.23
P-402	599	J-303	J-302	6.0	PVC	120.0	0.100	29.2	0.33
P-403	547	J-179	J-304	6.0	PVC	120.0	0.800	9.6	0.11
P-404	534	J-304	J-180	6.0	PVC	120.0	0.350	19.2	0.22
P-405	434	J-186	J-305	8.0	PVC	120.0	1.280	60.5	0.39
P-407	291	J-305	J-306	8.0	PVC	120.0	0.350	60.5	0.39
P-409	429	J-306	J-307	8.0	PVC	120.0	0.000	47.8	0.31
P-411	424	J-307	J-308	8.0	PVC	120.0	0.000	44.5	0.28
P-413	358	J-308	J-309	8.0	PVC	120.0	0.800	44.5	0.28
P-414(1)	256	J-309	PRV-26	8.0	PVC	120.0	0.000	(N/A)	(N/A)
P-414(2)	90	PRV-26	J-187	8.0	PVC	120.0	0.000	(N/A)	(N/A)
P-415	498	J-189	J-310	6.0	PVC	120.0	1.280	24.4	0.28
P-416	494	J-310	J-191	6.0	PVC	120.0	0.000	24.4	0.28
P-417	495	J-191	J-311	6.0	PVC	120.0	0.000	24.4	0.28
P-418	379	J-311	J-192	6.0	PVC	120.0	0.350	24.4	0.28
P-419	365	J-198	J-312	8.0	PVC	120.0	1.280	38.4	0.25
P-421	495	J-312	J-313	8.0	PVC	120.0	0.000	38.4	0.25
P-423	491	J-313	J-314	8.0	PVC	120.0	0.000	44.2	0.28
P-424	507	J-314	J-190	8.0	PVC	120.0	0.800	44.2	0.28
P-425	96	J-200	J-315	8.0	PVC	120.0	0.200	0.5	0.00
P-426	182	J-315	J-193	8.0	PVC	120.0	0.800	0.5	0.00
P-427	156	J-202	J-317	8.0	PVC	120.0	0.200	0.0	0.00
P-428	84	J-317	J-200	8.0	PVC	120.0	0.300	0.0	0.00
P-429	592	J-196	J-318	6.0	PVC	120.0	0.000	32.9	0.37
P-430	227	J-318	J-197	6.0	PVC	120.0	0.350	62.4	0.71
P-431	418	J-194	J-319	6.0	PVC	120.0	1.280	15.3	0.17
P-432	448	J-319	J-203	6.0	PVC	120.0	1.280	17.7	0.20
P-433	147	J-203	J-322	4.0	PVC	120.0	0.800	2.2	0.06
P-434	209	J-322	J-205	4.0	PVC	120.0	0.000	0.0	0.00
P-435	397	J-222	J-323	8.0	PVC	120.0	0.200	52.5	0.34
P-437	693	J-323	J-324	8.0	PVC	120.0	0.200	55.8	0.36
P-439	555	J-324	J-325	8.0	PVC	120.0	1.280	59.0	0.38
P-440	284	J-325	J-223	8.0	PVC	120.0	0.350	107.1	0.68
P-441	679	J-227	J-326	12.0	PVC	120.0	0.000	192.3	0.55
P-443	549	J-326	J-327	12.0	PVC	120.0	0.350	193.2	0.55
P-444	176	J-327	J-651	12.0	PVC	120.0	0.000	196.6	0.56
P-445	307	J-236	J-652	16.0	PVC	120.0	0.000	196.6	0.31
P-447(1)	262	J-328	J-1709	16.0	PVC	120.0	0.350	158.2	0.25
P-447(2)	227	J-1709	J-329	16.0	PVC	120.0	0.000	161.3	0.26
P-449	466	J-329	J-330	16.0	PVC	120.0	0.000	161.3	0.26
P-451(1)	27	J-330	J-1699	16.0	PVC	120.0	0.350	161.3	0.26
P-451(2)	582	J-1699	J-331	16.0	PVC	120.0	0.000	66.0	0.11
P-453	397	J-331	J-332	16.0	PVC	120.0	0.350	66.0	0.11
P-454	387	J-332	J-237	16.0	PVC	120.0	0.000	92.0	0.15
P-457	519	J-237	J-334	16.0	PVC	120.0	0.000	92.0	0.15
P-458	509	J-334	J-333	16.0	PVC	120.0	0.000	92.0	0.15
P-459	450	J-333	J-870	16.0	PVC	120.0	0.000	92.2	0.15
P-460	568	J-335	J-235	16.0	PVC	120.0	0.800	92.2	0.15
P-463	287	J-239	J-337	8.0	PVC	120.0	0.350	102.6	0.66
P-464	381	J-337	J-336	8.0	PVC	120.0	0.000	102.6	0.66
P-465	442	J-336	J-338	8.0	PVC	120.0	0.000	102.6	0.66
P-466	522	J-338	J-241	8.0	PVC	120.0	0.500	102.6	0.66
P-467	343	J-255	J-339	8.0	PVC	120.0	0.000	12.7	0.08
P-468	395	J-339	J-257	8.0	PVC	120.0	0.000	12.7	0.08
P-469	262	J-251	J-340	8.0	PVC	120.0	0.350	90.5	0.58
P-471	394	J-340	J-341	8.0	PVC	120.0	0.800	90.5	0.58
P-472	450	J-341	J-255	8.0	PVC	120.0	0.350	85.3	0.54
P-475	427	J-256	J-343	8.0	PVC	120.0	0.000	161.1	1.03
P-476	431	J-343	J-342	8.0	PVC	120.0	0.000	161.1	1.03
P-477	452	J-342	J-344	8.0	PVC	120.0	0.000	161.1	1.03

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-478	502	J-344	J-243	8.0	PVC	120.0	0.800	161.1	1.03
P-481	433	J-345	J-346	10.0	PVC	120.0	0.000	165.6	0.68
P-482	470	J-346	J-243	10.0	PVC	120.0	0.500	164.4	0.67
P-483	403	J-242	J-347	10.0	PVC	120.0	0.300	259.6	1.06
P-484	443	J-347	J-345	10.0	PVC	120.0	0.000	165.6	0.68
P-487	341	J-262	J-349	6.0	PVC	120.0	0.500	0.3	0.00
P-488	316	J-349	J-264	6.0	PVC	120.0	0.000	0.3	0.00
P-489	154	J-261	J-350	6.0	PVC	120.0	1.280	0.2	0.00
P-490	682	J-350	J-265	6.0	PVC	120.0	0.800	0.2	0.00
P-495	627	J-260	J-353	16.0	PVC	120.0	0.200	0.5	0.00
P-497	403	J-353	J-354	6.0	PVC	120.0	0.000	0.5	0.01
P-498	479	J-354	J-351	6.0	PVC	120.0	0.000	0.5	0.01
P-499	386	J-351	J-355	6.0	PVC	120.0	0.000	0.5	0.01
P-500	422	J-355	J-352	6.0	PVC	120.0	0.000	0.5	0.01
P-501	365	J-352	J-356	6.0	PVC	120.0	0.000	0.5	0.01
P-502	390	J-356	J-261	6.0	PVC	120.0	0.350	0.5	0.01
P-503	404	J-109	J-357	8.0	PVC	120.0	0.000	12.5	0.08
P-505	471	J-357	J-358	8.0	PVC	120.0	0.200	9.6	0.06
P-506	424	J-358	J-110	8.0	PVC	120.0	0.750	9.6	0.06
P-507	436	J-98	J-359	8.0	PVC	120.0	0.500	0.0	0.00
P-509(1)	44	J-359	PRV-38	8.0	PVC	120.0	0.100	(N/A)	(N/A)
P-509(2)	428	PRV-38	J-360	8.0	PVC	120.0	0.100	(N/A)	(N/A)
P-510	426	J-360	J-106	8.0	PVC	120.0	0.350	0.0	0.00
P-513	310	J-361	J-362	8.0	PVC	120.0	0.000	49.0	0.31
P-514	302	J-362	J-208	8.0	PVC	120.0	0.000	49.0	0.31
P-515	308	J-107	J-363	8.0	PVC	120.0	0.000	49.9	0.32
P-516	308	J-363	J-361	8.0	PVC	120.0	0.000	49.9	0.32
P-517	384	J-82	J-364	8.0	PVC	120.0	0.000	30.4	0.19
P-518	386	J-364	J-83	8.0	PVC	120.0	0.350	30.4	0.19
P-519	369	J-84	J-365	3.0	PVC	120.0	0.800	1.6	0.07
P-520	371	J-365	J-86	3.0	PVC	120.0	0.500	1.6	0.07
P-521	378	J-83	J-366	8.0	PVC	120.0	1.280	10.4	0.07
P-522	385	J-366	J-58	8.0	PVC	120.0	0.750	10.4	0.07
P-523	380	J-36	J-367	6.0	PVC	120.0	0.000	25.4	0.29
P-524	387	J-367	J-37	6.0	PVC	120.0	0.500	20.1	0.23
P-525	387	J-53	J-368	8.0	PVC	120.0	0.750	19.3	0.12
P-527	111	J-135	J-369	6.0	PVC	120.0	1.280	1.0	0.01
P-528	357	J-369	J-145	6.0	PVC	120.0	1.280	1.0	0.01
P-530	362	J-370	J-109	8.0	PVC	120.0	0.350	10.9	0.07
P-531	391	J-119	J-113	8.0	PVC	120.0	0.750	4.6	0.03
P-532	364	J-113	J-443	8.0	PVC	120.0	0.750	13.8	0.09
P-533	399	J-113	J-372	8.0	PVC	120.0	0.350	14.9	0.10
P-534	393	J-372	J-114	8.0	PVC	120.0	0.500	10.3	0.07
P-535	361	J-73	J-373	6.0	PVC	120.0	0.000	18.3	0.21
P-536	379	J-373	J-74	6.0	PVC	120.0	0.500	13.5	0.15
P-537	400	J-74	J-374	6.0	PVC	120.0	0.000	14.3	0.16
P-538	391	J-374	J-75	6.0	PVC	120.0	0.500	10.9	0.12
P-539	371	J-19	J-375	8.0	PVC	120.0	0.500	6.8	0.04
P-540	327	J-375	J-299	8.0	PVC	120.0	0.100	6.8	0.04
P-541	386	J-92	J-376	8.0	PVC	120.0	0.750	14.5	0.09
P-542	393	J-376	J-99	8.0	PVC	120.0	0.750	17.4	0.11
P-543	528	J-182	J-377	2.0	PVC	120.0	0.200	1.6	0.16
P-544	257	J-377	J-183	2.0	PVC	120.0	0.800	1.6	0.16
P-546	140	J-378	J-206	6.0	PVC	120.0	1.280	21.1	0.24
P-547	472	J-213	J-379	6.0	PVC	120.0	0.500	23.0	0.26
P-548	362	J-379	J-378	6.0	PVC	120.0	0.350	21.1	0.24
P-549	223	J-207	J-380	6.0	PVC	120.0	1.280	24.0	0.27
P-551	307	J-380	J-381	6.0	PVC	120.0	0.350	24.0	0.27
P-553	303	J-381	J-382	6.0	PVC	120.0	0.000	26.9	0.31
P-554	345	J-382	J-212	6.0	PVC	120.0	0.350	26.9	0.31
P-556	58	City Hill Tank	J-30	36.0	PVC	120.0	0.000	313.9	0.10
P-559	327	J-2	J-385	6.0	PVC	120.0	0.000	0.0	0.00
P-560	375	J-385	J-291	6.0	PVC	120.0	0.000	0.0	0.00
P-569(1)	40	J-283	PRV-43	8.0	PVC	120.0	0.000	(N/A)	(N/A)
P-569(2)	37	PRV-43	J-392	8.0	PVC	120.0	0.000	(N/A)	(N/A)
P-571	18	R-7	GPV-1	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-572	13	GPV-1	Well 3	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-573	16	Well 3	J-157	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-574	52	R-8	GPV-2	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-575	55	GPV-2	Well 1	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-576	49	Well 1	J-82	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-577	37	R-9	GPV-3	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-578	31	GPV-3	Well 2	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-579	26	Well 2	J-90	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-601	86	Airport GST	Airport-3	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-602	119	Airport-3	J-391	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-603	62	J-391	J-260	16.0	PVC	120.0	0.000	2,251.8	3.59
P-604	111	Airport GST	Airport-1	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-605	99	Airport-1	J-391	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-611	10	J-392	J-387	8.0	PVC	120.0	0.800	230.5	1.47
P-616	96	Airport GST	Airport-2	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-617	93	Airport-2	J-391	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-628(1)	615	J-260	J-1411	16.0	PVC	120.0	0.350	535.4	0.85
P-628(2)	761	J-1411	J-393	16.0	PVC	120.0	0.500	189.9	0.30
P-629(1)	606	J-393	J-1672	10.0	PVC	120.0	0.300	0.0	0.00
P-629(2)(1)	510	J-1672	PRV-29	10.0	PVC	120.0	0.500	(N/A)	(N/A)

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-629(2)(2)	296	PRV-29	J-236	10.0	PVC	120.0	0.500	(N/A)	(N/A)
P-631	534	J-1409	J-241	10.0	PVC	120.0	0.000	156.9	0.64
P-631(1)	552	J-393	J-490	10.0	PVC	120.0	0.000	189.9	0.78
P-631(2)(1)	1,843	J-490	J-1409	10.0	PVC	120.0	0.300	189.9	0.78
P-690	371	J-291	J-51	6.0	PVC	120.0	0.500	0.0	0.00
P-692	354	J-30	J-421	12.0	PVC	120.0	0.800	313.9	0.89
P-717	62	J-23	J-426	8.0	PVC	120.0	0.350	0.0	0.00
P-718	66	J-426	J-157	8.0	PVC	120.0	1.280	(N/A)	(N/A)
P-741	389	J-431	J-370	8.0	PVC	120.0	0.000	14.3	0.09
P-742	391	J-125	J-431	6.0	PVC	120.0	1.280	2.9	0.03
P-743	399	J-129	J-431	8.0	PVC	120.0	0.350	17.2	0.11
P-748	385	J-66	J-51	8.0	PVC	120.0	0.750	63.5	0.41
P-750	162	J-290	J-158	8.0	PVC	120.0	0.350	33.2	0.21
P-751	375	J-21	J-168	6.0	PVC	120.0	0.000	16.5	0.19
P-755	139	J-437	J-80	12.0	PVC	120.0	0.000	3.1	0.01
P-756	159	J-80	J-438	12.0	PVC	120.0	0.000	5.0	0.01
P-757	152	J-438	J-439	12.0	PVC	120.0	0.000	5.0	0.01
P-763	381	J-444	J-372	12.0	PVC	120.0	1.280	0.9	0.00
P-765	741	J-32	J-432	12.0	PVC	120.0	1.280	0.0	0.00
P-766	192	J-31	J-52	8.0	PVC	120.0	0.750	92.7	0.59
P-789	111	J-72	J-435	6.0	PVC	120.0	0.350	3.9	0.04
P-790	398	J-435	J-73	6.0	PVC	120.0	0.500	14.4	0.16
P-791	124	J-304	J-469	6.0	PVC	120.0	1.280	9.6	0.11
P-792	359	J-154	J-153	6.0	PVC	120.0	0.800	0.0	0.00
P-794	384	J-160	J-162	8.0	PVC	120.0	0.500	11.4	0.07
P-795	394	J-124	J-129	6.0	PVC	120.0	1.280	5.3	0.06
P-796	379	J-113	J-171	8.0	PVC	120.0	0.500	5.7	0.04
P-797	391	J-443	J-444	8.0	PVC	120.0	0.350	20.7	0.13
P-798	401	J-444	J-102	8.0	PVC	120.0	0.500	19.8	0.13
P-799	377	J-32	J-12	8.0	PVC	120.0	0.750	44.6	0.28
P-809	38	J-299	J-436	2.0	PVC	120.0	0.000	6.8	0.70
P-810	432	J-436	J-79	2.0	PVC	120.0	0.500	0.5	0.05
P-811	301	J-435	J-437	12.0	PVC	120.0	0.000	10.5	0.03
P-812	108	J-437	J-436	12.0	PVC	120.0	0.000	7.4	0.02
P-813	150	J-368	J-441	8.0	PVC	120.0	0.000	19.3	0.12
P-814	227	J-441	J-63	8.0	PVC	120.0	1.280	19.3	0.12
P-815	90	J-81	J-439	8.0	PVC	120.0	0.000	46.0	0.29
P-816	80	J-439	J-79	8.0	PVC	120.0	0.000	51.0	0.33
P-842(1)(1)	620	J-455	PRV-21	16.0	PVC	120.0	0.500	(N/A)	(N/A)
P-842(1)(2)	2,402	PRV-21	J-1336	16.0	PVC	120.0	0.500	(N/A)	(N/A)
P-842(2)	825	J-1336	J-478	16.0	PVC	120.0	0.350	199.7	0.32
P-845(1)(1)(1)	236	J-479	PRV-17	16.0	PVC	120.0	0.350	(N/A)	(N/A)
P-845(1)(1)(2)	1,978	PRV-17	J-1687	16.0	PVC	120.0	0.350	(N/A)	(N/A)
P-845(1)(2)	2,250	J-1687	J-480	16.0	PVC	120.0	0.350	71.5	0.11
P-846(2)	3,649	J-506	J-481	16.0	PVC	120.0	0.750	103.8	0.17
P-847(1)	1,899	J-481	J-1375	16.0	PVC	120.0	0.500	156.0	0.25
P-847(2)(1)	2,060	J-1375	PRV-24	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-847(2)(2)	21	PRV-24	J-482	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-848(1)(1)(1)	3,158	J-482	J-1376	16.0	PVC	120.0	0.500	239.9	0.38
P-848(1)(1)(2)(1)	519	J-1376	J-1378	16.0	PVC	120.0	0.350	269.4	0.43
P-848(1)(1)(2)(2)	1,433	J-1378	J-875	16.0	PVC	120.0	0.350	269.4	0.43
P-852(1)	2,082	J-484	PRV-22	16.0	PVC	120.0	0.350	(N/A)	(N/A)
P-852(2)	152	PRV-22	J-485	16.0	PVC	120.0	0.350	(N/A)	(N/A)
P-854(1)	2,265	J-486	J-1352	12.0	PVC	120.0	0.500	132.5	0.38
P-855(1)(1)	455	J-485	J-1664	16.0	PVC	120.0	0.000	0.0	0.00
P-855(1)(2)	1,515	J-1664	J-1334	16.0	PVC	120.0	0.500	100.3	0.16
P-855(2)	1,535	J-1334	J-107	16.0	PVC	120.0	0.350	35.0	0.06
P-860	264	J-482	J-1715	12.0	PVC	120.0	0.750	239.9	0.68
P-861	1,191	J-1715	J-492	12.0	PVC	120.0	0.200	239.9	0.68
P-862(1)	3,826	J-492	J-1346	12.0	PVC	120.0	0.200	77.4	0.22
P-862(2)(1)	373	J-1346	J-1665	12.0	PVC	120.0	0.350	30.9	0.09
P-862(2)(2)	403	J-1665	J-493	12.0	PVC	120.0	1.280	30.9	0.09
P-863(1)(1)	431	J-493	J-1506	16.0	PVC	120.0	0.350	30.9	0.05
P-863(1)(2)	173	J-1506	J-1204	16.0	PVC	120.0	0.350	93.2	0.15
P-863(2)	241	J-1204	J-235	16.0	PVC	120.0	0.000	93.2	0.15
P-865(1)	2,946	J-347	J-1403	6.0	PVC	120.0	0.500	93.3	1.06
P-865(2)	2,708	J-1403	J-495	12.0	PVC	120.0	0.350	1.0	0.00
P-866(1)	2,645	J-495	J-1405	12.0	PVC	120.0	0.500	280.7	0.80
P-866(2)	2,377	J-1405	J-496	12.0	PVC	120.0	0.350	412.2	1.17
P-867	1,294	J-496	J-497	12.0	PVC	120.0	0.350	85.2	0.24
P-868	2,468	J-497	J-498	12.0	PVC	120.0	0.800	295.7	0.84
P-869(1)	1,956	J-498	J-1667	12.0	PVC	120.0	1.280	147.6	0.42
P-869(2)	717	J-1667	J-499	12.0	PVC	120.0	0.200	147.6	0.42
P-870(1)	809	J-499	J-1318	12.0	PVC	120.0	0.350	106.8	0.30
P-870(2)(1)	1,304	J-1318	J-1394	12.0	PVC	120.0	0.350	22.5	0.06
P-870(2)(2)	217	J-1394	J-178	12.0	PVC	120.0	0.350	7.2	0.02
P-871(1)(1)(1)(1)	385	J-498	J-1101	16.0	PVC	120.0	0.350	443.2	0.71
P-871(1)(1)(1)(2)(1)	118	J-1101	J-1570	16.0	PVC	120.0	0.000	443.2	0.71
P-871(1)(1)(1)(2)(2)	127	J-1570	J-1100	16.0	PVC	120.0	0.000	443.2	0.71
P-871(1)(1)(2)	878	J-1100	J-1065	16.0	PVC	120.0	0.000	443.2	0.71
P-871(1)(2)(1)(1)	270	J-1065	J-1573	16.0	PVC	120.0	0.500	443.2	0.71
P-871(1)(2)(1)(2)	165	J-1573	J-1066	16.0	PVC	120.0	0.000	599.2	0.96
P-871(1)(2)(2)	1,127	J-1066	J-1038	16.0	PVC	120.0	0.000	599.2	0.96
P-871(2)(1)	370	J-1038	J-1039	16.0	PVC	120.0	0.100	599.2	0.96
P-871(2)(2)	327	J-1039	J-500	16.0	PVC	120.0	0.500	599.2	0.96
P-872(1)(1)(1)(1)(1)(1)	547	J-500	J-1563	16.0	PVC	120.0	0.000	28.5	0.05

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-872(1)(1)(1)(1)(1)(2)	52	J-1563	J-1020	16.0	PVC	120.0	0.000	28.5	0.05
P-872(1)(1)(1)(1)(2)	457	J-1020	J-1013	16.0	PVC	120.0	0.500	28.5	0.05
P-872(1)(1)(1)(2)	113	J-1013	J-995	16.0	PVC	120.0	0.000	44.5	0.07
P-872(1)(1)(2)	386	J-995	J-993	16.0	PVC	120.0	0.000	44.5	0.07
P-872(1)(2)	480	J-993	J-991	16.0	PVC	120.0	0.000	44.5	0.07
P-872(2)(1)	60	J-991	PRV-27	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-872(2)(2)	132	PRV-27	J-227	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-873(1)(1)	1,382	J-501	J-1677	12.0	PVC	120.0	0.750	6.1	0.02
P-873(1)(2)	1,212	J-1677	J-1392	12.0	PVC	120.0	0.350	6.1	0.02
P-873(2)	1,595	J-1392	J-500	12.0	PVC	120.0	0.750	81.2	0.23
P-874	1,084	J-500	J-502	16.0	PVC	120.0	1.280	651.9	1.04
P-875(1)(1)	1,295	J-502	J-1668	16.0	PVC	120.0	0.100	486.9	0.78
P-875(1)(2)	343	J-1668	J-1413	16.0	PVC	120.0	0.350	346.8	0.55
P-875(2)(1)	456	J-1413	PRV-28	16.0	PVC	120.0	1.280	(N/A)	(N/A)
P-875(2)(2)	159	PRV-28	J-327	16.0	PVC	120.0	1.280	(N/A)	(N/A)
P-877(1)(1)	1,321	J-502	J-1734	16.0	PVC	120.0	0.350	577.1	0.92
P-877(1)(2)	1,214	J-1734	J-1399	16.0	PVC	120.0	0.350	577.1	0.92
P-877(2)(1)	1,285	J-1399	J-1669	12.0	PVC	120.0	0.350	327.0	0.93
P-877(2)(2)	2,354	J-1669	J-496	12.0	PVC	120.0	1.280	327.0	0.93
P-889	51	J-507	J-250	12.0	PVC	120.0	0.000	748.7	2.12
P-890	13	J-507	T-28	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-891	21	R-16	PMP-24	16.0	PVC	120.0	0.000	0.0	0.00
P-892	30	PMP-24	Medina Valley	16.0	PVC	120.0	0.000	0.0	0.00
P-895	16	J-508	PMP-26	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-896	12	PMP-26	J-509	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-897	26	J-508	PMP-27	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-898	18	PMP-27	J-509	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-903	13	J-509	J-507	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-904	14	Medina Valley	J-508	16.0	PVC	120.0	0.000	748.7	1.19
P-905	11	J-508	PMP-25	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-907	16	PMP-25	J-509	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-908(1)	731	J-238	J-1416	12.0	PVC	120.0	0.000	104.1	0.30
P-908(2)	771	J-1416	J-250	12.0	PVC	120.0	0.000	484.4	1.37
P-910(1)	142	J-507	PRV-30	16.0	PVC	120.0	0.800	(N/A)	(N/A)
P-910(2)	203	PRV-30	J-235	16.0	PVC	120.0	0.800	(N/A)	(N/A)
P-927	13	J-507	T-29	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-932	230	Alsatian Oaks	J-875	36.0	PVC	120.0	0.750	1,542.2	0.49
P-934	184	R-19	Alsatian Oaks	36.0	PVC	120.0	0.000	0.0	0.00
P-1271	605	J-493	J-1116	16.0	PVC	120.0	0.300	0.0	0.00
P-1424	14	J-509	J-1224	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1425	10	J-1224	T-28	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1426	11	J-1224	T-29	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1447(1)(1)	1,242	J-1236	J-1277	16.0	PVC	120.0	0.350	333.4	0.53
P-1447(1)(2)(1)	1,471	J-1277	J-1314	16.0	PVC	120.0	0.000	333.4	0.53
P-1447(1)(2)(2)	1,097	J-1314	J-1274	16.0	PVC	120.0	0.000	52.2	0.08
P-1447(2)(1)	1,282	J-1274	J-1714	16.0	PVC	120.0	0.000	52.2	0.08
P-1447(2)(2)	173	J-1714	J-481	16.0	PVC	120.0	0.000	52.2	0.08
P-1451	729	J-478	J-1241	16.0	PVC	120.0	0.000	127.9	0.20
P-1452	1,313	J-1241	J-1242	16.0	PVC	120.0	0.500	127.9	0.20
P-1462(1)	1,636	J-1242	J-1358	16.0	PVC	120.0	0.350	337.0	0.54
P-1471(1)(1)(1)	1,865	J-479	J-1311	16.0	PVC	120.0	0.500	461.5	0.74
P-1472(1)(1)	1,422	J-506	J-1308	16.0	PVC	120.0	0.000	818.3	1.31
P-1472(1)(2)(1)	890	J-1308	J-1313	16.0	PVC	120.0	0.000	991.1	1.58
P-1472(1)(2)(2)	282	J-1313	J-1303	16.0	PVC	120.0	0.000	677.2	1.08
P-1484(1)	3,046	J-1262	J-1359	16.0	PVC	120.0	0.500	273.3	0.44
P-1484(2)(1)	1,066	J-1359	J-1663	16.0	PVC	120.0	0.350	193.6	0.31
P-1484(2)(2)	1,197	J-1663	J-1244	16.0	PVC	120.0	1.280	193.6	0.31
P-1487(1)(1)(1)	3,263	J-1276	J-1634	16.0	PVC	120.0	1.280	315.8	0.50
P-1487(1)(1)(2)	1,770	J-1634	J-1306	16.0	PVC	120.0	0.350	(N/A)	(N/A)
P-1487(1)(2)	736	J-1306	PRV-15	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1487(2)	2,562	PRV-15	J-1277	16.0	PVC	120.0	1.280	(N/A)	(N/A)
P-1488(1)	1,690	J-1276	J-1389	16.0	PVC	120.0	0.000	144.7	0.23
P-1490	1,192	J-1244	J-1280	16.0	PVC	120.0	0.800	187.4	0.30
P-1491(1)	1,685	J-1280	J-1357	16.0	PVC	120.0	0.800	187.4	0.30
P-1493	37	City Tank	J-392	36.0	PVC	120.0	0.000	230.5	0.07
P-1495(1)(1)(1)	620	J-1286	J-1385	16.0	PVC	120.0	0.000	279.3	0.45
P-1495(1)(1)(2)	437	J-1385	J-1384	16.0	PVC	120.0	0.050	363.1	0.58
P-1495(1)(2)	337	J-1384	J-1380	16.0	PVC	120.0	0.050	363.1	0.58
P-1495(2)(1)	289	J-1380	J-1381	16.0	PVC	120.0	0.000	363.1	0.58
P-1495(2)(2)(1)(2)	1,559	J-1383	J-1382	16.0	PVC	120.0	0.000	463.4	0.74
P-1495(2)(2)(2)	1,307	J-1382	J-905	16.0	PVC	120.0	0.050	512.9	0.82
P-1503	1,658	J-1295	J-480	16.0	PVC	120.0	1.280	506.2	0.81
P-1512(1)	823	J-1311	PRV-39	16.0	PVC	120.0	0.750	(N/A)	(N/A)
P-1512(2)	1,498	PRV-39	J-1312	16.0	PVC	120.0	0.750	(N/A)	(N/A)
P-1516	1,281	J-1244	J-1243	16.0	PVC	120.0	0.350	6.2	0.01
P-1517	1,610	J-1262	J-1302	16.0	PVC	120.0	0.000	410.1	0.65
P-1518	4,099	J-480	J-506	16.0	PVC	120.0	0.750	577.7	0.92
P-1519	2,636	J-1276	J-1275	16.0	PVC	120.0	0.350	171.1	0.27
P-1533	1,864	J-1330	J-1331	12.0	PVC	120.0	0.000	197.1	0.56
P-1534	836	J-150	J-1330	12.0	PVC	120.0	0.800	197.1	0.56
P-1535	1,182	J-1318	J-1332	8.0	PVC	120.0	1.280	84.2	0.54
P-1536(1)	474	J-1326	J-1407	12.0	PVC	120.0	0.000	455.9	1.29
P-1536(2)	3,644	J-1407	J-1333	12.0	PVC	120.0	0.350	412.7	1.17
P-1537	2,317	J-1333	J-495	12.0	PVC	120.0	1.280	144.5	0.41
P-1538	2,154	J-1334	J-1335	8.0	PVC	120.0	1.280	135.4	0.86
P-1539	1,535	J-1336	J-1337	12.0	PVC	120.0	0.750	157.2	0.45

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-1541	891	J-1262	J-1339	16.0	PVC	120.0	0.750	136.8	0.22
P-1543(1)	1,491	J-499	J-1343	8.0	PVC	120.0	1.280	40.8	0.26
P-1545	643	J-306	J-1344	8.0	PVC	120.0	1.280	12.7	0.08
P-1547	509	J-1346	J-1347	8.0	PVC	120.0	1.280	46.4	0.30
P-1549	839	J-464	J-1350	8.0	PVC	120.0	0.500	16.3	0.10
P-1550	2,349	J-463	J-1351	12.0	PVC	120.0	1.280	159.8	0.45
P-1551	686	J-1336	J-1354	8.0	PVC	120.0	0.000	42.5	0.27
P-1552(1)	1,088	J-1259	J-1355	16.0	PVC	120.0	0.000	131.2	0.21
P-1552(2)	1,627	J-1355	J-1254	16.0	PVC	120.0	0.350	154.7	0.25
P-1553(1)	2,003	J-1355	J-1636	16.0	PVC	120.0	1.280	285.8	0.46
P-1553(2)	1,003	J-1636	J-1356	16.0	PVC	120.0	0.800	285.8	0.46
P-1554(2)	1,272	J-1391	J-1358	16.0	PVC	120.0	1.280	182.3	0.29
P-1555(1)	3,227	J-1259	J-1657	16.0	PVC	120.0	0.800	131.2	0.21
P-1555(2)(1)	859	J-1657	J-1662	16.0	PVC	120.0	0.500	231.9	0.37
P-1555(2)(2)	853	J-1662	J-1243	16.0	PVC	120.0	1.280	231.9	0.37
P-1556	3,213	J-1254	J-1358	16.0	PVC	120.0	0.800	154.7	0.25
P-1557	784	J-1359	J-1360	16.0	PVC	120.0	1.280	79.7	0.13
P-1566	2,413	J-1243	J-1242	16.0	PVC	120.0	0.350	225.6	0.36
P-1567	2,072	J-1302	J-1311	16.0	PVC	120.0	0.000	522.9	0.83
P-1571	2,039	J-1295	J-1373	16.0	PVC	120.0	0.750	322.8	0.52
P-1572	1,896	J-1295	J-1374	16.0	PVC	120.0	0.000	183.4	0.29
P-1573	814	J-1376	J-1377	8.0	PVC	120.0	1.280	29.5	0.19
P-1575	362	J-1286	J-1386	16.0	PVC	120.0	0.000	279.3	0.45
P-1578	5,426	J-1242	J-1311	16.0	PVC	120.0	0.750	434.7	0.69
P-1579	453	J-1392	J-1393	8.0	PVC	120.0	1.280	87.4	0.56
P-1581	1,125	J-1399	J-1400	12.0	PVC	120.0	1.280	250.1	0.71
P-1582	1,287	J-1402	J-1403	12.0	PVC	120.0	1.280	0.0	0.00
P-1583	618	J-1405	J-1406	12.0	PVC	120.0	1.280	131.5	0.37
P-1584	497	J-1407	J-1408	8.0	PVC	120.0	1.280	43.2	0.28
P-1585	241	J-1409	J-1410	12.0	PVC	120.0	0.500	33.0	0.09
P-1586	354	J-1411	J-1412	8.0	PVC	120.0	1.280	345.5	2.21
P-1587	227	J-1413	J-1414	8.0	PVC	120.0	1.280	346.8	2.21
P-1590	673	J-1416	J-1417	8.0	PVC	120.0	0.000	380.4	2.43
P-1591	1,405	J-1333	J-1418	12.0	PVC	120.0	0.350	557.2	1.58
P-1595	896	J-1116	J-1423	16.0	PVC	120.0	0.100	0.0	0.00
P-1596	33	J-652	J-655	16.0	PVC	120.0	0.350	196.6	0.31
P-1597(1)(1)	625	J-1423	PRV-36	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1597(1)(2)	754	PRV-36	J-1691	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1597(2)	1,537	J-1691	J-1425	16.0	PVC	120.0	0.000	117.4	0.19
P-1598	1,903	J-1425	J-1426	16.0	PVC	120.0	0.300	117.4	0.19
P-1599	1,107	J-1426	J-1427	12.0	PVC	120.0	0.300	45.9	0.13
P-1600	1,101	J-1427	J-1428	12.0	PVC	120.0	0.000	45.9	0.13
P-1601	1,057	J-1428	J-1429	12.0	PVC	120.0	0.300	45.9	0.13
P-1602	546	J-1429	J-1430	8.0	PVC	120.0	0.000	45.9	0.29
P-1603	406	J-1430	J-1431	8.0	PVC	120.0	0.350	45.9	0.29
P-1616	906	J-464	J-208	8.0	PVC	120.0	0.300	49.0	0.31
P-1617	909	J-463	J-464	8.0	PVC	120.0	0.350	32.7	0.21
P-1617	690	J-655	J-1446	16.0	PVC	120.0	1.280	38.4	0.06
P-1617	1,207	J-1699	J-1692	16.0	PVC	120.0	1.280	95.3	0.15
P-1618	293	J-1386	J-463	16.0	PVC	120.0	0.000	138.7	0.22
P-1618	890	J-1446	J-1447	16.0	PVC	120.0	0.100	38.4	0.06
P-1619	220	J-1293	J-1386	8.0	PVC	120.0	0.000	140.6	0.90
P-1619(1)	94	J-1447	J-1464	16.0	PVC	120.0	0.000	38.4	0.06
P-1619(2)	144	J-1464	J-1448	16.0	PVC	120.0	0.050	38.4	0.06
P-1620	253	J-462	J-1293	8.0	PVC	120.0	0.000	140.6	0.90
P-1620	327	J-1448	J-1449	16.0	PVC	120.0	0.050	38.4	0.06
P-1621	802	J-486	J-462	8.0	PVC	120.0	0.300	140.6	0.90
P-1621(1)	270	J-1449	J-1465	16.0	PVC	120.0	0.500	38.4	0.06
P-1621(2)	227	J-1465	J-1450	16.0	PVC	120.0	0.000	90.5	0.14
P-1622	555	J-455	J-486	6.0	PVC	120.0	0.000	5.8	0.07
P-1622(1)	178	J-1450	J-1468	16.0	PVC	120.0	0.000	90.5	0.14
P-1622(2)	146	J-1468	J-1451	16.0	PVC	120.0	0.350	90.5	0.14
P-1623	102	J-455	J-456	6.0	PVC	120.0	0.000	5.8	0.07
P-1623	94	J-1451	J-1452	16.0	PVC	120.0	0.000	90.5	0.14
P-1624	306	J-456	J-465	4.0	PVC	120.0	0.200	5.8	0.15
P-1624	132	J-1452	J-1453	16.0	PVC	120.0	0.000	90.5	0.14
P-1625	377	J-465	J-448	4.0	PVC	120.0	0.000	3.4	0.09
P-1625(1)	1,153	J-1453	J-1471	16.0	PVC	120.0	0.000	90.5	0.14
P-1625(2)	255	J-1471	J-1454	16.0	PVC	120.0	0.100	90.5	0.14
P-1626	271	J-448	J-466	4.0	PVC	120.0	0.000	3.4	0.09
P-1627	345	J-466	J-458	4.0	PVC	120.0	0.350	3.4	0.09
P-1628	357	J-458	J-468	3.0	PVC	120.0	0.000	1.9	0.09
P-1628	172	J-1454	J-1457	16.0	PVC	120.0	0.500	90.5	0.14
P-1629	1,046	J-1457	J-1458	16.0	PVC	120.0	0.750	512.9	0.82
P-1630	369	J-468	J-460	3.0	PVC	120.0	0.000	1.9	0.09
P-1630	877	J-1458	J-1459	16.0	PVC	120.0	0.000	512.9	0.82
P-1631	313	J-460	J-461	2.0	PVC	120.0	0.800	1.9	0.20
P-1631	793	J-1459	J-905	16.0	PVC	120.0	0.050	512.9	0.82
P-1632	250	J-458	J-459	2.0	PVC	120.0	1.280	1.4	0.15
P-1633	390	J-188	J-234	10.0	PVC	120.0	0.000	68.6	0.28
P-1634	419	J-501	J-303	6.0	PVC	120.0	0.500	26.6	0.30
P-1635	489	J-651	J-236	16.0	PVC	120.0	0.300	196.6	0.31
P-1636	172	J-655	J-328	16.0	PVC	120.0	0.000	158.2	0.25
P-1636	458	J-1465	J-1466	8.0	PVC	120.0	0.750	70.3	0.45
P-1637	122	J-870	J-335	16.0	PVC	120.0	0.000	92.2	0.15
P-1651	304	J-1457	J-1483	16.0	PVC	120.0	0.050	366.4	0.58

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-1652	362	J-1483	J-1484	16.0	PVC	120.0	0.050	366.4	0.58
P-1653	385	J-1484	J-1485	16.0	PVC	120.0	0.050	366.4	0.58
P-1654	275	J-1485	J-1486	16.0	PVC	120.0	0.500	366.4	0.58
P-1654(1)	382	J-1498	J-1484	12.0	PVC	120.0	0.350	0.0	0.00
P-1654(2)	609	J-1498	J-1485	12.0	PVC	120.0	0.000	0.0	0.00
P-1655	254	J-1486	J-1487	16.0	PVC	120.0	0.100	0.0	0.00
P-1655	183	J-1709	J-1498	12.0	PVC	120.0	1.280	3.1	0.01
P-1656	188	J-1487	J-488	16.0	PVC	120.0	0.350	0.0	0.00
P-1662	504	J-1457	J-1494	16.0	PVC	120.0	0.050	237.0	0.38
P-1663	486	J-1494	J-1495	16.0	PVC	120.0	0.050	237.0	0.38
P-1664	508	J-1495	J-1496	16.0	PVC	120.0	0.000	237.0	0.38
P-1665(1)	232	J-1496	J-1513	16.0	PVC	120.0	0.300	237.0	0.38
P-1665(2)	732	J-1513	J-1497	16.0	PVC	120.0	0.000	98.0	0.16
P-1666	566	J-1497	J-2022	16.0	PVC	120.0	0.000	98.0	0.16
P-1667	771	J-2022	J-1499	16.0	PVC	120.0	0.500	98.0	0.16
P-1668	846	J-1499	J-1500	16.0	PVC	120.0	0.000	104.2	0.17
P-1669(1)	256	J-1500	J-1507	16.0	PVC	120.0	0.000	104.2	0.17
P-1669(2)	332	J-1507	J-1501	16.0	PVC	120.0	0.000	104.2	0.17
P-1670	520	J-1501	J-1502	16.0	PVC	120.0	0.050	104.2	0.17
P-1671	318	J-1502	J-1503	16.0	PVC	120.0	0.050	104.2	0.17
P-1672(1)	131	J-1503	J-1519	16.0	PVC	120.0	0.500	104.2	0.17
P-1672(2)	305	J-1519	J-1504	16.0	PVC	120.0	0.050	62.2	0.10
P-1673	490	J-1504	J-1505	16.0	PVC	120.0	0.050	62.2	0.10
P-1674(1)	174	J-1505	J-1525	16.0	PVC	120.0	0.000	62.2	0.10
P-1674(2)	286	J-1525	J-1506	16.0	PVC	120.0	1.280	62.2	0.10
P-1678	723	J-1499	J-1511	8.0	PVC	120.0	0.750	57.7	0.37
P-1679	654	J-1499	J-1512	8.0	PVC	120.0	0.000	51.5	0.33
P-1680(1)	393	J-1513	J-1517	16.0	PVC	120.0	0.500	563.4	0.90
P-1680(2)	646	J-1517	J-1514	16.0	PVC	120.0	0.000	563.4	0.90
P-1681	841	J-1514	J-1515	16.0	PVC	120.0	0.000	717.0	1.14
P-1685	349	J-1519	J-1521	8.0	PVC	120.0	0.000	21.0	0.13
P-1687	362	J-1519	J-1523	8.0	PVC	120.0	0.750	21.0	0.13
P-1704(1)	159	J-1116	PRV-31	12.0	PVC	120.0	0.500	(N/A)	(N/A)
P-1704(2)	199	PRV-31	J-1540	12.0	PVC	120.0	0.500	(N/A)	(N/A)
P-1705	614	J-1540	J-1541	12.0	PVC	120.0	0.050	97.6	0.28
P-1706(1)	190	J-1541	J-1559	12.0	PVC	120.0	0.000	97.6	0.28
P-1706(2)	544	J-1559	J-1542	12.0	PVC	120.0	0.500	6.2	0.02
P-1707	410	J-1542	J-1543	12.0	PVC	120.0	0.500	481.4	1.37
P-1708(1)	115	J-1543	J-1557	12.0	PVC	120.0	0.000	481.4	1.37
P-1708(2)	445	J-1557	J-1544	12.0	PVC	120.0	0.000	481.4	1.37
P-1709(1)	251	J-1544	J-1554	12.0	PVC	120.0	0.000	481.4	1.37
P-1709(2)	311	J-1554	J-1545	12.0	PVC	120.0	0.500	390.1	1.11
P-1710(1)	94	J-1545	J-1551	12.0	PVC	120.0	0.050	390.1	1.11
P-1710(2)	103	J-1551	J-1546	12.0	PVC	120.0	0.050	390.1	1.11
P-1711	328	J-1546	J-1547	12.0	PVC	120.0	0.050	390.1	1.11
P-1712	172	J-1547	J-1548	12.0	PVC	120.0	0.000	390.1	1.11
P-1713	183	J-1548	J-1549	12.0	PVC	120.0	0.100	390.1	1.11
P-1714	202	J-1549	J-1550	12.0	PVC	120.0	0.100	390.1	1.11
P-1715	403	J-1550	J-1326	12.0	PVC	120.0	0.750	390.1	1.11
P-1721	510	J-1559	J-1560	8.0	PVC	120.0	0.000	45.7	0.29
P-1722	599	J-1559	J-1561	8.0	PVC	120.0	0.750	45.7	0.29
P-1723	924	J-1013	J-1562	8.0	PVC	120.0	0.750	78.0	0.50
P-1729	571	J-1573	J-1574	8.0	PVC	120.0	0.750	78.0	0.50
P-1730	545	J-1573	J-1575	8.0	PVC	120.0	0.000	78.0	0.50
P-1732	483	J-1326	J-1577	16.0	PVC	120.0	0.000	259.6	0.41
P-1733	3,069	J-1577	J-1578	16.0	PVC	120.0	0.300	259.6	0.41
P-1734	2,082	J-1578	J-1579	16.0	PVC	120.0	0.000	45.5	0.07
P-1735	1,454	J-1579	J-1580	16.0	PVC	120.0	0.300	45.5	0.07
P-1747	1,039	J-1426	J-1594	16.0	PVC	120.0	0.500	71.6	0.11
P-1748	1,631	J-1594	J-1595	16.0	PVC	120.0	0.000	71.6	0.11
P-1749	1,358	J-1595	J-1596	16.0	PVC	120.0	0.000	395.3	0.63
P-1750(1)	2,438	J-1596	J-1602	24.0	PVC	120.0	0.750	602.7	0.43
P-1750(2)(1)	1,137	J-1602	J-1638	24.0	PVC	120.0	1.280	978.6	0.69
P-1750(2)(2)(1)	121	J-1638	J-1716	24.0	PVC	120.0	0.000	978.6	0.69
P-1750(2)(2)(2)	1,215	J-1716	J-1597	24.0	PVC	120.0	0.000	978.6	0.69
P-1751(1)(1)(1)	389	J-482	PRV-34	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1751(1)(1)(2)	1,474	PRV-34	J-1692	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1751(1)(2)	848	J-1692	J-1601	16.0	PVC	120.0	0.000	117.4	0.19
P-1751(2)	2,407	J-1601	J-1596	16.0	PVC	120.0	0.500	117.4	0.19
P-1752(1)	2,306	J-1596	J-1600	8.0	PVC	120.0	0.000	90.0	0.57
P-1754(1)(1)	163	J-1427	PRV-33	12.0	PVC	120.0	0.500	(N/A)	(N/A)
P-1754(1)(2)(1)	1,605	PRV-33	J-1729	12.0	PVC	120.0	0.500	(N/A)	(N/A)
P-1754(1)(2)(2)	2,585	J-1729	J-1604	12.0	PVC	120.0	0.500	130.6	0.37
P-1754(2)(1)	3,432	J-1604	J-1628	16.0	PVC	120.0	0.500	307.9	0.49
P-1754(2)(2)	2,390	J-1628	J-1580	16.0	PVC	120.0	1.280	45.5	0.07
P-1756	1,353	J-256	J-1542	12.0	PVC	120.0	0.750	14.8	0.04
P-1757(1)(1)	1,954	J-1542	J-1690	16.0	PVC	120.0	0.500	489.9	0.78
P-1757(1)(2)	1,452	J-1690	J-1631	16.0	PVC	120.0	0.500	1,145.1	1.83
P-1757(2)	2,772	J-1631	J-1604	16.0	PVC	120.0	0.750	622.1	0.99
P-1782	1,669	J-1628	J-1630	16.0	PVC	120.0	1.280	353.4	0.56
P-1783	1,647	J-1631	J-1632	12.0	PVC	120.0	0.750	250.3	0.71
P-1784	1,267	J-1631	J-1633	12.0	PVC	120.0	0.000	272.7	0.77
P-1785(1)	1,421	J-1597	J-1315	24.0	PVC	120.0	0.000	978.6	0.69
P-1785(2)	1,302	J-1315	J-1634	24.0	PVC	120.0	1.280	1,369.3	0.97
P-1786(1)	2,369	J-481	PRV-19	16.0	PVC	120.0	1.280	(N/A)	(N/A)
P-1786(2)	2,738	PRV-19	J-1638	16.0	PVC	120.0	1.280	(N/A)	(N/A)

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-1787	632	J-495	J-1639	12.0	PVC	120.0	0.750	135.1	0.38
P-1788	619	J-1418	J-1640	8.0	PVC	120.0	0.800	143.5	0.92
P-1789	782	J-1578	J-1641	12.0	PVC	120.0	0.500	214.2	0.61
P-1790	1,492	J-1604	J-1642	12.0	PVC	120.0	0.000	183.6	0.52
P-1792	713	J-1431	J-1644	8.0	PVC	120.0	0.000	45.9	0.29
P-1793	495	J-1554	J-1645	8.0	PVC	120.0	0.000	45.7	0.29
P-1794	441	J-1554	J-1646	8.0	PVC	120.0	0.750	45.7	0.29
P-1795	639	J-1013	J-1648	8.0	PVC	120.0	0.000	62.1	0.40
P-1796	516	J-1465	J-1649	8.0	PVC	120.0	0.000	18.2	0.12
P-1797	564	J-1486	J-1650	8.0	PVC	120.0	0.750	94.7	0.60
P-1798	552	J-1486	J-1651	16.0	PVC	120.0	0.000	461.1	0.74
P-1799	358	J-1515	J-875	24.0	PVC	120.0	0.000	1,272.8	0.90
P-1802	680	J-332	J-1415	8.0	PVC	120.0	1.280	26.0	0.17
P-1804	1,288	J-1391	J-1657	16.0	PVC	120.0	0.000	41.6	0.07
P-1805	2,414	J-1657	J-1357	16.0	PVC	120.0	0.750	59.1	0.09
P-1807	222	J-1381	J-1664	16.0	PVC	120.0	0.750	363.1	0.58
P-1808	154	J-1664	J-1383	16.0	PVC	120.0	0.050	463.4	0.74
P-1809(1)	558	J-1326	J-1674	12.0	PVC	120.0	0.500	325.5	0.92
P-1809(2)	689	J-1674	J-1673	12.0	PVC	120.0	0.350	325.5	0.92
P-1810	274	J-1673	J-243	12.0	PVC	120.0	0.300	325.5	0.92
P-1812	74	J-1313	U Tank 2	36.0	PVC	120.0	0.000	1,668.2	0.53
P-1818	594	J-478	J-1681	16.0	PVC	120.0	0.000	327.6	0.52
P-1819	4,706	J-1681	J-479	16.0	PVC	120.0	0.000	327.6	0.52
P-1820	1,657	J-479	J-484	16.0	PVC	120.0	0.000	133.9	0.21
P-1822	682	J-318	J-1683	12.0	PVC	120.0	1.280	29.5	0.08
P-1823	251	U Tank 1	J-1311	36.0	PVC	120.0	0.000	1,596.5	0.50
P-1823	564	J-216	J-1685	8.0	PVC	120.0	0.800	33.5	0.21
P-1824	128	R-25	U Tank 1	36.0	PVC	120.0	0.000	461,668.8	145.52
P-1824	380	J-1685	J-1686	8.0	PVC	120.0	0.200	33.5	0.21
P-1825	297	J-1686	J-1687	8.0	PVC	120.0	0.050	33.5	0.21
P-1826	123	J-1687	J-1475	8.0	PVC	120.0	0.100	33.5	0.21
P-1827	519	J-1475	J-1707	8.0	PVC	120.0	0.800	46.4	0.30
P-1828	304	U Tank 3	J-1634	36.0	PVC	120.0	0.000	1,685.1	0.53
P-1828	285	J-1707	J-325	8.0	PVC	120.0	0.350	46.4	0.30
P-1829	272	R-28	U Tank 3	36.0	PVC	120.0	0.000	293,301.3	92.45
P-1830	1,302	J-1691	J-1513	16.0	PVC	120.0	0.000	228.3	0.36
P-1831	1,151	J-1692	J-1691	16.0	PVC	120.0	0.500	95.3	0.15
P-1833	1,850	J-1312	J-1687	12.0	PVC	120.0	0.000	71.5	0.20
P-1835	1,767	J-1691	J-1512	12.0	PVC	120.0	0.000	44.5	0.13
P-1836	2,260	J-1511	J-1514	12.0	PVC	120.0	0.000	153.7	0.44
P-1837	1,205	J-1649	J-1691	12.0	PVC	120.0	0.750	88.6	0.25
P-1838	1,297	J-252	J-1540	16.0	PVC	120.0	0.000	97.6	0.16
P-1838(1)	1,756	J-1690	J-1694	24.0	PVC	120.0	0.000	1,635.1	1.16
P-1838(2)(1)	576	J-1694	PRV-32	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1838(2)(2)	270	PRV-32	J-1691	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1839	5,053	J-1691	J-1692	16.0	PVC	120.0	0.000	117.4	0.19
P-1842	179	J-1694	U Tank 4	36.0	PVC	120.0	0.000	1,635.1	0.52
P-1843	203	U Tank 4	R-29	36.0	PVC	120.0	0.000	370,234.4	116.70
P-1844	1,306	J-484	J-1397	12.0	PVC	120.0	0.000	133.9	0.38
P-1845(1)	1,110	J-502	J-1732	24.0	PVC	120.0	0.000	1,715.9	1.22
P-1845(2)	390	J-1732	J-258	24.0	PVC	120.0	0.000	1,715.9	1.22
P-1846	91	Airport GST	J-1696	24.0	PVC	120.0	0.000	2,251.8	1.60
P-1847	99	J-1696	J-391	24.0	PVC	120.0	0.000	2,251.8	1.60
P-1849	31	J-508	J-507	16.0	PVC	120.0	0.000	748.7	1.19
P-1865	1,253	J-309	J-991	8.0	PVC	120.0	0.000	44.5	0.28
P-1867	1,782	J-1515	J-1651	16.0	PVC	120.0	0.000	555.7	0.89
P-1868	3,631	J-1303	J-1314	16.0	PVC	120.0	0.000	677.2	1.08
P-1869	1,662	J-1729	J-1643	12.0	PVC	120.0	0.000	130.6	0.37
P-1870	2,568	J-506	J-1379	16.0	PVC	120.0	0.000	136.8	0.22
P-1871	1,684	J-1294	J-1295	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1872(1)	1,315	J-1379	PRV-41	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1872(2)	4	PRV-41	J-1378	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1877	635	J-1648	J-1668	12.0	PVC	120.0	0.000	140.1	0.40
P-1900	59	R-26	U Tank 2	36.0	PVC	120.0	0.000	680,816.3	214.59
Polyline	725	J-1395	J-1394	8.0	PVC	120.0	1.280	29.8	0.19
Polyline(2)(1)(1)(1)	89	J-488	PRV-40	16.0	PVC	120.0	0.000	(N/A)	(N/A)
Polyline(2)(1)(1)(2)	501	PRV-40	J-1294	16.0	PVC	120.0	0.000	(N/A)	(N/A)

FlexTable: Junction Table

Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-2	868.92	0.0	931.64	27.1
J-3	756.96	0.0	931.67	75.6
J-4	753.28	0.0	931.67	77.2
J-5	754.47	2.2	931.66	76.7
J-6	752.64	0.0	931.62	77.4
J-7	754.00	2.9	931.56	76.8
J-9	756.71	0.0	931.55	75.6
J-10	757.33	2.6	931.54	75.4
J-11	737.39	0.0	931.62	84.0
J-12	756.69	6.7	931.68	75.7
J-13	774.11	0.0	931.68	68.2
J-14	756.47	0.0	931.67	75.8
J-15	757.63	0.0	931.67	75.3
J-16	758.80	0.0	931.67	74.8
J-17	762.03	0.0	931.68	73.4
J-18	769.12	0.0	931.63	70.3
J-19	782.35	7.4	931.58	64.6
J-20	780.09	4.3	931.54	65.5
J-21	774.31	0.0	931.53	68.0
J-22	773.51	8.9	931.51	68.4
J-23	773.00	0.0	931.50	68.6
J-24	772.00	3.8	931.49	69.0
J-25	770.80	2.6	931.49	69.5
J-26	756.00	0.0	931.62	76.0
J-27	757.00	6.5	931.62	75.5
J-28	760.87	0.0	931.62	73.9
J-29	766.90	4.8	931.61	71.3
J-30	907.43	0.0	932.00	10.6
J-31	779.79	0.0	931.73	65.7
J-32	764.44	0.0	931.71	72.4
J-33	759.68	0.0	931.67	74.4
J-34	756.23	0.0	931.57	75.9
J-36	757.00	0.0	931.51	75.5
J-37	758.00	0.0	931.45	75.0
J-38	759.34	4.1	931.40	74.4
J-39	761.11	0.0	931.36	73.7
J-40	756.24	3.1	931.54	75.8
J-41	757.00	0.0	931.54	75.5
J-42	757.00	0.0	931.54	75.5
J-43	762.38	7.2	931.54	73.2
J-45	755.84	3.6	931.54	76.0
J-48	756.66	1.7	931.53	75.7
J-50	757.01	0.0	931.53	75.5
J-51	782.22	0.0	931.64	64.6
J-52	791.57	4.3	931.68	60.6
J-53	756.81	2.9	931.51	75.6
J-54	757.00	0.0	931.49	75.5
J-55	758.00	0.0	931.46	75.0
J-58	760.00	0.0	931.44	74.2
J-59	761.00	6.0	931.42	73.7
J-60	760.84	0.0	931.10	73.7
J-61	757.84	0.0	931.45	75.1
J-62	756.87	0.0	931.51	75.6
J-63	759.00	0.0	931.50	74.6
J-65	757.00	0.0	931.54	75.5
J-66	784.61	0.0	931.58	63.6
J-68	807.49	0.7	931.54	53.7
J-69	811.45	0.0	931.54	52.0
J-71	789.74	0.0	931.53	61.3
J-72	764.83	13.0	931.51	72.1
J-73	761.00	0.0	931.50	73.8
J-74	760.00	0.0	931.47	74.2
J-75	760.00	0.0	931.45	74.2
J-79	762.45	0.0	931.52	73.2
J-80	766.50	0.0	931.51	71.4
J-81	761.13	0.0	931.51	73.7
J-82	759.74	0.0	931.47	74.3
J-83	760.00	8.4	931.45	74.2
J-84	760.00	0.0	931.45	74.2
J-85	762.11	8.6	931.44	73.3
J-86	761.50	0.0	931.44	73.5
J-88	760.85	0.0	931.45	73.8
J-89	762.38	0.0	931.44	73.1
J-90	762.67	(N/A)	(N/A)	(N/A)
J-92	762.00	0.0	931.44	73.3
J-93	762.27	1.9	931.44	73.2
J-94	761.00	0.0	931.44	73.7
J-95	761.13	1.9	931.44	73.7
J-96	738.68	0.0	931.44	83.4
J-97	761.64	0.0	931.44	73.5
J-98	763.00	0.0	931.45	72.9
J-99	764.00	0.0	931.45	72.4
J-100	764.00	0.0	931.45	72.4
J-101	764.03	0.0	931.45	72.4
J-102	760.79	0.0	931.45	73.8
J-103	761.63	10.1	931.45	73.5

FlexTable: Junction Table

Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-104	760.95	0.0	931.45	73.8
J-105	764.00	2.6	931.45	72.4
J-106	783.65	5.8	998.08	92.8
J-107	786.75	0.0	998.08	91.4
J-109	765.72	0.0	931.46	71.7
J-110	765.00	4.1	931.46	72.0
J-111	763.23	0.0	931.45	72.8
J-112	764.26	3.4	931.45	72.3
J-113	763.00	0.0	931.46	72.9
J-114	762.00	0.0	931.46	73.3
J-115	763.22	0.0	931.46	72.8
J-116	765.00	0.0	931.46	72.0
J-117	765.45	0.0	931.46	71.8
J-118	765.00	0.0	931.46	72.0
J-119	762.87	0.0	931.46	72.9
J-120	765.86	6.2	931.46	71.6
J-121	804.38	0.0	931.49	55.0
J-122	783.85	0.0	931.49	63.9
J-123	783.85	0.0	931.49	63.9
J-124	766.00	5.0	931.47	71.6
J-125	765.00	0.0	931.47	72.0
J-126	763.00	0.0	931.46	72.9
J-127	764.12	0.0	931.46	72.4
J-129	764.87	1.7	931.47	72.1
J-130	780.79	0.0	931.49	65.2
J-131	780.16	0.0	931.49	65.5
J-132	790.00	0.0	931.49	61.2
J-133	788.00	3.8	1,029.97	104.7
J-134	789.10	0.0	1,029.97	104.2
J-135	792.83	0.0	1,029.97	102.6
J-136	814.48	0.0	1,029.97	93.2
J-137	826.14	0.0	1,029.98	88.2
J-138	837.92	0.0	1,029.99	83.1
J-139	854.06	0.0	1,029.99	76.1
J-141	865.41	1.9	1,029.99	71.2
J-142	849.01	0.0	1,030.17	78.4
J-143	850.99	0.0	1,030.17	77.5
J-144	852.89	0.0	1,030.17	76.7
J-145	805.20	0.0	1,029.97	97.2
J-146	803.40	0.0	1,029.97	98.0
J-147	822.90	0.0	1,029.99	89.6
J-148	850.84	0.0	1,030.01	77.5
J-149	884.73	0.0	1,030.01	62.9
J-150	935.05	0.0	1,028.68	40.5
J-151	785.98	0.0	931.51	63.0
J-152	802.00	0.0	931.49	56.0
J-153	779.54	0.0	931.49	65.7
J-154	775.15	1.4	931.49	67.6
J-155	807.58	0.0	931.50	53.6
J-156	784.92	0.0	931.50	63.4
J-157	773.56	(N/A)	(N/A)	(N/A)
J-158	789.03	0.0	931.54	61.7
J-159	765.93	0.0	931.47	71.6
J-160	762.11	6.0	931.46	73.3
J-162	763.86	0.0	931.47	72.5
J-163	766.24	0.0	931.47	71.5
J-165	763.00	3.1	931.47	72.9
J-166	761.90	0.0	931.48	73.4
J-167	764.88	0.0	931.50	72.1
J-168	766.55	0.0	931.51	71.4
J-169	765.91	0.0	931.50	71.6
J-170	765.73	0.0	931.47	71.7
J-171	762.36	4.6	931.46	73.2
J-172	763.00	0.0	931.46	72.9
J-173	761.00	0.0	931.46	73.8
J-174	760.36	0.0	931.47	74.0
J-175	742.22	0.0	931.46	81.9
J-176	753.87	2.4	930.40	76.4
J-177	756.00	0.0	930.46	75.5
J-178	755.00	0.0	929.70	75.6
J-179	756.00	0.0	930.73	75.6
J-180	757.28	0.0	930.77	75.1
J-181	756.51	1.2	930.74	75.4
J-182	759.32	3.8	931.06	74.3
J-183	769.88	0.0	930.97	69.7
J-184	780.48	0.0	930.97	65.1
J-185	764.04	0.0	931.06	72.3
J-186	764.38	1.7	931.09	72.1
J-187	787.66	0.0	998.77	91.3
J-188	786.80	0.0	998.97	91.8
J-189	787.86	0.0	998.64	91.2
J-190	794.65	0.0	998.58	88.2
J-191	788.24	0.0	998.55	91.0
J-192	767.62	0.0	998.47	99.9
J-193	766.56	0.0	998.47	100.3
J-194	769.88	0.0	998.24	98.8

FlexTable: Junction Table

Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-196	769.96	0.0	998.25	98.8
J-197	766.35	0.0	998.46	100.4
J-198	766.22	0.0	998.47	100.5
J-199	765.97	0.0	998.47	100.6
J-200	765.07	0.5	998.47	101.0
J-201	763.00	0.0	998.47	101.9
J-202	766.71	0.0	998.47	100.3
J-203	784.40	0.0	998.28	92.5
J-204	784.30	0.0	998.29	92.6
J-205	785.00	0.0	998.28	92.3
J-206	777.79	0.0	998.21	95.4
J-207	783.05	0.0	998.16	93.1
J-208	796.75	0.0	997.99	87.1
J-209	789.80	1.9	998.08	90.1
J-210	770.11	0.0	998.08	98.6
J-211	795.05	0.0	998.08	87.8
J-212	785.16	0.0	998.28	92.2
J-213	784.19	2.9	998.28	92.6
J-214	784.00	3.1	998.33	92.7
J-215	782.38	0.0	998.38	93.5
J-216	781.47	0.0	998.41	93.9
J-217	784.00	0.7	998.28	92.7
J-218	783.00	1.7	998.33	93.2
J-219	782.00	1.4	998.38	93.6
J-221	782.43	3.4	998.32	93.4
J-222	781.43	0.0	998.35	93.9
J-223	777.49	0.0	998.62	95.7
J-224	779.13	0.0	998.72	95.0
J-225	780.95	0.0	998.82	94.3
J-226	781.68	0.0	998.88	94.0
J-227	783.10	6.5	999.00	93.4
J-228	783.73	1.4	998.32	92.8
J-229	782.78	1.4	998.35	93.3
J-230	780.52	2.6	998.62	94.4
J-231	787.09	2.9	998.72	91.6
J-232	792.98	2.6	998.82	89.1
J-233	784.52	0.0	998.88	92.7
J-234	785.73	1.9	998.99	92.3
J-235	772.34	1.0	999.28	98.2
J-236	778.00	0.0	999.21	95.7
J-237	768.50	0.0	999.26	99.8
J-238	770.53	0.0	931.27	69.5
J-239	769.23	1.4	931.14	70.0
J-240	767.53	0.0	931.14	70.8
J-241	763.05	0.0	930.63	72.5
J-242	762.97	0.0	930.44	72.5
J-243	759.76	0.0	929.85	73.6
J-250	769.68	0.0	931.89	70.2
J-251	767.29	0.0	931.53	71.1
J-252	770.05	0.0	931.22	69.7
J-253	767.63	0.0	931.28	70.8
J-254	766.80	2.4	931.26	71.2
J-255	765.00	0.0	931.26	71.9
J-256	765.00	0.0	931.17	71.9
J-257	762.83	12.7	931.26	72.9
J-258	771.60	0.0	931.62	69.2
J-259	769.94	0.0	931.62	70.0
J-260	769.58	0.0	931.71	70.1
J-261	761.47	0.0	931.71	73.7
J-262	759.41	0.0	931.71	74.5
J-263	761.00	0.5	931.71	73.9
J-264	761.00	0.0	931.71	73.9
J-265	760.27	0.0	931.71	74.2
J-266	757.85	0.0	931.56	75.2
J-267	760.91	0.7	998.20	102.7
J-268	764.86	0.0	931.51	72.1
J-269	802.53	0.0	1,029.97	98.4
J-270	814.36	0.0	1,029.99	93.3
J-271	817.10	6.2	1,029.98	92.1
J-272	830.89	5.0	1,029.99	86.1
J-273	854.25	0.0	1,030.00	76.0
J-274	932.55	3.4	1,028.80	41.6
J-276	907.96	0.0	1,029.42	52.6
J-277	867.37	0.0	1,030.11	70.4
J-278	848.29	3.6	1,030.01	78.6
J-279	832.40	0.0	1,030.00	85.5
J-280	808.19	5.8	1,029.97	96.0
J-281	800.67	1.9	1,029.97	99.2
J-282	826.29	1.7	1,030.31	88.3
J-283	807.55	0.0	931.51	53.6
J-284	798.34	6.0	931.50	57.6
J-285	794.20	0.0	931.49	59.4
J-286	791.55	5.5	931.49	60.5
J-287	770.97	0.0	931.48	69.4
J-288	769.75	0.0	931.48	70.0
J-289	802.32	3.1	931.54	55.9

FlexTable: Junction Table

Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-290	789.08	0.0	931.55	61.6
J-291	822.29	0.0	931.64	47.3
J-293	766.95	0.0	931.68	71.3
J-294	754.23	3.8	931.67	76.8
J-295	755.00	0.0	931.56	76.4
J-297	759.11	0.0	931.58	74.6
J-298	769.62	0.0	931.58	70.1
J-299	769.00	0.0	931.58	70.3
J-300	725.00	0.0	931.23	89.2
J-301	767.16	3.6	931.02	70.9
J-302	759.31	0.0	930.90	74.2
J-303	759.00	2.6	930.83	74.3
J-304	755.56	0.0	930.74	75.8
J-305	779.19	0.0	931.04	65.7
J-306	788.48	0.0	931.00	61.7
J-307	788.55	3.4	930.97	61.6
J-308	787.07	0.0	930.94	62.2
J-309	785.65	0.0	930.92	62.9
J-310	787.81	0.0	998.60	91.2
J-311	779.53	0.0	998.51	94.7
J-312	778.19	0.0	998.49	95.3
J-313	785.90	5.8	998.52	92.0
J-314	787.00	0.0	998.55	91.5
J-315	768.00	0.0	998.47	99.7
J-317	767.77	0.0	998.47	99.8
J-318	767.06	0.0	998.34	100.1
J-319	783.02	2.4	998.26	93.1
J-322	785.00	2.2	998.28	92.3
J-323	779.72	3.4	998.39	94.6
J-324	778.17	3.1	998.46	95.3
J-325	776.29	1.7	998.52	96.1
J-326	781.97	1.0	999.09	93.9
J-327	777.41	3.4	999.17	95.9
J-328	776.11	0.0	999.23	96.5
J-329	773.32	0.0	999.24	97.7
J-330	770.03	0.0	999.25	99.2
J-331	764.47	0.0	999.26	101.6
J-332	766.17	0.0	999.26	100.8
J-333	773.00	0.2	999.27	97.9
J-334	771.22	0.0	999.27	98.7
J-335	773.00	0.0	999.28	97.9
J-336	767.04	0.0	930.93	70.9
J-337	768.31	0.0	931.05	70.4
J-338	765.63	0.0	930.79	71.5
J-339	764.11	0.0	931.26	72.3
J-340	767.51	0.0	931.47	70.9
J-341	766.52	5.3	931.36	71.3
J-342	761.87	0.0	930.55	73.0
J-343	763.68	0.0	930.86	72.3
J-344	761.00	0.0	930.23	73.2
J-345	762.48	0.0	930.09	72.5
J-346	761.47	1.2	929.97	72.9
J-347	763.07	0.7	930.20	72.3
J-349	760.66	0.0	931.71	74.0
J-350	761.01	0.0	931.71	73.9
J-351	765.11	0.0	931.71	72.1
J-352	764.26	0.0	931.71	72.4
J-353	767.56	0.0	931.71	71.0
J-354	766.48	0.0	931.71	71.5
J-355	764.51	0.0	931.71	72.3
J-356	762.57	0.0	931.71	73.2
J-357	767.08	2.9	931.46	71.1
J-358	763.14	0.0	931.46	72.8
J-359	732.00	0.0	931.45	86.3
J-360	766.71	0.0	998.08	100.1
J-361	793.03	1.0	998.03	88.7
J-362	795.08	0.0	998.01	87.8
J-363	790.96	0.0	998.06	89.6
J-364	761.00	0.0	931.46	73.8
J-365	759.00	0.0	931.44	74.6
J-366	759.00	0.0	931.45	74.6
J-367	757.00	5.3	931.48	75.5
J-368	757.67	0.0	931.50	75.2
J-369	796.46	0.0	1,029.97	101.0
J-370	764.19	3.4	931.46	72.4
J-372	764.00	5.5	931.46	72.5
J-373	760.05	4.8	931.48	74.2
J-374	762.31	3.4	931.46	73.2
J-375	779.95	0.0	931.58	65.6
J-376	763.00	2.9	931.44	72.9
J-377	761.04	0.0	931.00	73.5
J-378	782.47	0.0	998.22	93.3
J-379	785.00	1.9	998.24	92.3
J-380	787.73	0.0	998.18	91.1
J-381	787.55	2.9	998.21	91.1
J-382	786.57	0.0	998.24	91.6

FlexTable: Junction Table

Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-385	864.99	0.0	931.64	28.8
J-387	809.56	0.0	1,030.41	95.5
J-391	769.00	0.0	931.91	70.5
J-392	808.99	0.0	1,030.45	95.8
J-393	772.45	0.0	931.54	68.8
J-421	852.76	0.0	931.87	34.2
J-426	773.76	0.0	931.50	68.2
J-431	764.00	0.0	931.47	72.5
J-432	861.91	0.0	931.71	30.2
J-435	764.04	0.0	931.51	72.5
J-436	768.68	0.0	931.51	70.5
J-437	767.60	0.0	931.51	70.9
J-438	764.72	0.0	931.51	72.2
J-439	762.11	0.0	931.51	73.3
J-441	759.57	0.0	931.50	74.4
J-443	761.00	0.0	931.47	73.8
J-444	763.00	0.0	931.46	72.9
J-445	797.55	0.0	931.54	58.0
J-448	808.93	0.0	997.14	81.4
J-455	784.91	0.0	997.16	91.8
J-456	788.01	0.0	997.16	90.5
J-458	818.10	0.0	997.13	77.5
J-459	825.00	1.4	997.11	74.5
J-460	814.71	0.0	997.12	78.9
J-461	813.75	1.9	997.06	79.3
J-462	783.00	0.0	997.62	92.9
J-463	795.45	11.5	997.88	87.6
J-464	801.02	0.0	997.91	85.2
J-465	804.18	2.4	997.15	83.5
J-466	810.63	0.0	997.14	80.7
J-468	816.55	0.0	997.12	78.1
J-469	757.85	9.6	930.74	74.8
J-478	805.37	0.0	1,040.18	101.6
J-479	829.76	0.0	1,040.67	91.2
J-480	898.68	0.0	1,082.57	79.6
J-481	913.27	0.0	1,083.61	73.7
J-482	819.69	0.0	999.70	77.9
J-484	809.68	0.0	1,040.64	99.9
J-485	789.78	0.0	998.10	90.1
J-486	782.56	2.4	997.17	92.9
J-488	809.45	0.0	999.40	82.2
J-490	767.10	0.0	931.36	71.1
J-492	798.62	162.5	999.39	86.9
J-493	772.02	0.0	999.29	98.3
J-495	724.98	0.0	927.06	87.4
J-496	735.00	0.0	929.16	84.0
J-497	740.69	210.5	929.20	81.6
J-498	773.27	0.0	929.97	67.8
J-499	749.91	0.0	929.74	77.8
J-500	779.00	0.0	930.83	65.7
J-501	757.97	0.0	930.78	74.8
J-502	777.00	0.0	931.21	66.7
J-506	862.04	0.0	1,083.65	95.9
J-507	769.85	0.0	931.98	70.1
J-508	769.60	0.0	931.99	70.3
J-509	769.78	(N/A)	(N/A)	(N/A)
J-651	776.33	0.0	999.20	96.4
J-652	777.13	0.0	999.22	96.1
J-655	777.00	0.0	999.23	96.1
J-870	773.00	0.0	999.28	97.9
J-875	858.21	0.0	999.99	61.3
J-905	785.77	0.0	998.67	92.1
J-991	783.00	0.0	930.83	64.0
J-993	782.04	0.0	930.83	64.4
J-995	781.82	0.0	930.83	64.5
J-1013	781.15	0.0	930.83	64.8
J-1020	780.39	0.0	930.83	65.1
J-1038	779.63	0.0	930.63	65.3
J-1039	780.01	0.0	930.73	65.2
J-1065	777.21	0.0	930.22	66.2
J-1066	777.46	0.0	930.31	66.1
J-1100	775.12	0.0	930.07	67.0
J-1101	774.34	0.0	930.04	67.4
J-1116	774.00	0.0	999.29	97.5
J-1204	772.36	0.0	999.28	98.2
J-1224	769.83	(N/A)	(N/A)	(N/A)
J-1236	959.79	333.4	1,083.36	53.5
J-1241	807.40	0.0	1,040.17	100.7
J-1242	812.84	0.0	1,040.15	98.3
J-1243	820.50	0.0	1,040.03	95.0
J-1244	827.00	0.0	1,040.03	92.2
J-1254	788.00	0.0	1,039.91	109.0
J-1259	795.00	0.0	1,039.89	106.0
J-1262	848.77	0.0	1,040.32	82.9
J-1274	916.03	0.0	1,083.62	72.5
J-1275	898.79	171.1	1,084.63	80.4

FlexTable: Junction Table

Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-1276	911.49	0.0	1,084.70	74.9
J-1277	956.99	0.0	1,083.48	54.7
J-1280	831.84	0.0	1,039.99	90.1
J-1286	804.00	0.0	997.91	83.9
J-1293	786.19	0.0	997.76	91.5
J-1294	836.07	(N/A)	(N/A)	(N/A)
J-1295	825.75	0.0	1,082.22	111.0
J-1302	887.56	112.8	1,040.54	66.2
J-1303	923.53	0.0	1,084.90	69.8
J-1306	946.71	(N/A)	(N/A)	(N/A)
J-1308	899.23	172.8	1,084.36	80.1
J-1311	895.50	177.4	1,040.99	62.9
J-1312	858.51	71.5	1,082.52	96.9
J-1313	941.00	0.0	1,085.00	62.3
J-1314	945.38	291.6	1,083.62	59.8
J-1315	931.72	390.7	1,084.74	66.2
J-1318	751.90	0.0	929.70	76.9
J-1326	753.62	0.0	929.28	76.0
J-1330	896.37	0.0	1,028.55	57.2
J-1331	950.06	197.1	1,028.28	33.8
J-1332	770.73	84.2	929.44	68.7
J-1333	719.89	0.0	926.87	89.5
J-1334	795.06	0.0	998.08	87.8
J-1335	799.99	135.4	996.94	85.2
J-1336	800.43	0.0	1,040.15	103.7
J-1337	813.41	157.2	1,040.00	98.0
J-1339	855.71	136.8	1,040.30	79.9
J-1343	725.01	40.8	929.65	88.5
J-1344	790.00	12.7	931.00	61.0
J-1346	774.51	0.0	999.29	97.3
J-1347	774.90	46.4	999.25	97.1
J-1350	780.64	16.3	997.90	94.0
J-1351	767.00	159.8	997.64	99.8
J-1352	773.46	132.5	997.01	96.7
J-1354	812.82	42.5	1,040.11	98.3
J-1355	791.11	0.0	1,039.88	107.6
J-1356	791.00	285.8	1,039.65	107.6
J-1357	830.22	246.5	1,039.94	90.7
J-1358	824.42	0.0	1,039.99	93.3
J-1359	834.29	0.0	1,040.12	89.1
J-1360	829.26	79.7	1,040.11	91.2
J-1373	854.74	322.8	1,082.03	98.3
J-1374	861.58	183.4	1,082.16	95.4
J-1375	853.91	156.0	1,083.57	99.4
J-1376	848.47	0.0	999.86	65.5
J-1377	828.63	29.5	999.84	74.1
J-1378	855.98	0.0	999.90	62.3
J-1379	868.60	136.8	1,083.61	93.0
J-1380	794.82	0.0	998.04	87.9
J-1381	791.17	0.0	998.07	89.5
J-1382	785.00	49.4	998.40	92.3
J-1383	787.32	0.0	998.13	91.2
J-1384	798.09	0.0	998.00	86.5
J-1385	801.35	83.8	997.95	85.1
J-1386	790.35	0.0	997.88	89.8
J-1389	847.74	144.7	1,084.67	102.5
J-1391	826.45	223.9	1,039.95	92.4
J-1392	776.49	0.0	930.78	66.8
J-1393	773.27	87.4	930.67	68.1
J-1394	754.01	0.0	929.70	76.0
J-1395	754.57	29.8	929.67	75.8
J-1397	806.85	133.9	1,040.54	101.1
J-1399	771.24	0.0	930.53	68.9
J-1400	769.07	250.1	930.27	69.7
J-1402	758.45	0.0	927.06	72.9
J-1403	737.47	94.3	927.06	82.0
J-1405	734.21	0.0	927.80	83.8
J-1406	755.80	131.5	927.76	74.4
J-1407	748.91	0.0	928.95	77.9
J-1408	750.45	43.2	928.92	77.2
J-1409	764.00	0.0	930.75	72.1
J-1410	761.22	33.0	930.75	73.3
J-1411	771.00	0.0	931.57	69.5
J-1412	772.05	345.5	930.43	68.5
J-1413	778.31	0.0	930.92	66.0
J-1414	780.92	346.8	930.15	64.6
J-1415	768.03	26.0	999.24	100.0
J-1416	769.00	0.0	931.30	70.2
J-1417	766.99	380.4	928.92	70.1
J-1418	721.15	413.7	925.45	88.4
J-1423	772.38	0.0	999.29	98.2
J-1425	773.34	0.0	1,084.12	134.5
J-1426	767.00	0.0	1,084.09	137.2
J-1427	758.92	0.0	1,084.08	140.7
J-1428	755.90	0.0	1,084.07	142.0
J-1429	757.00	0.0	1,084.06	141.5

FlexTable: Junction Table

Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-1430	756.47	0.0	1,084.02	141.7
J-1431	756.00	0.0	1,083.99	141.9
J-1446	772.40	0.0	999.23	98.1
J-1447	772.39	0.0	999.23	98.1
J-1448	773.86	0.0	999.23	97.5
J-1449	774.45	0.0	999.23	97.3
J-1450	775.68	0.0	999.23	96.7
J-1451	775.72	0.0	999.24	96.7
J-1452	775.19	0.0	999.24	96.9
J-1453	773.86	0.0	999.24	97.5
J-1454	804.19	0.0	999.25	84.4
J-1457	805.93	0.0	999.25	83.6
J-1458	785.84	0.0	999.02	92.2
J-1459	786.17	0.0	998.84	92.0
J-1464	773.19	0.0	999.23	97.8
J-1465	775.10	0.0	999.23	97.0
J-1466	778.27	70.3	999.16	95.6
J-1468	775.76	0.0	999.23	96.7
J-1471	786.10	0.0	999.25	92.2
J-1475	777.41	13.0	998.46	95.6
J-1483	817.23	0.0	999.29	78.8
J-1484	798.13	0.0	999.33	87.0
J-1484	773.00	0.0	999.24	97.9
J-1485	791.57	0.0	999.37	89.9
J-1485	770.00	0.0	999.24	99.2
J-1486	797.00	0.0	999.40	87.6
J-1487	798.94	0.0	999.40	86.7
J-1494	799.15	0.0	999.28	86.6
J-1495	805.41	0.0	999.30	83.9
J-1496	830.21	0.0	999.33	73.2
J-1497	811.34	0.0	999.33	81.3
J-1498	772.00	3.1	999.24	98.3
J-1499	787.21	0.0	999.32	91.8
J-1500	791.76	0.0	999.31	89.8
J-1501	776.80	0.0	999.30	96.3
J-1502	777.23	0.0	999.30	96.1
J-1503	776.85	0.0	999.29	96.2
J-1504	775.00	0.0	999.29	97.0
J-1505	772.70	0.0	999.29	98.0
J-1506	772.32	0.0	999.29	98.2
J-1507	786.79	0.0	999.31	91.9
J-1511	796.57	96.0	999.40	87.8
J-1512	781.89	96.0	999.26	94.0
J-1513	827.06	0.0	999.34	74.5
J-1514	835.49	0.0	999.61	71.0
J-1515	854.51	0.0	999.93	62.9
J-1517	836.98	0.0	999.44	70.3
J-1519	776.55	0.0	999.29	96.4
J-1521	776.65	21.0	999.29	96.3
J-1523	775.69	21.0	999.29	96.7
J-1525	772.04	0.0	999.29	98.3
J-1540	768.99	0.0	931.21	70.2
J-1541	766.22	0.0	931.18	71.4
J-1542	763.48	0.0	931.17	72.6
J-1543	762.08	0.0	930.85	73.0
J-1544	759.68	0.0	930.42	73.9
J-1545	757.89	0.0	930.06	74.5
J-1546	756.97	0.0	929.96	74.8
J-1547	755.21	0.0	929.79	75.5
J-1548	754.40	0.0	929.70	75.8
J-1549	753.70	0.0	929.60	76.1
J-1550	753.32	0.0	929.50	76.2
J-1551	757.51	0.0	930.01	74.6
J-1554	758.76	0.0	930.23	74.2
J-1557	761.39	0.0	930.76	73.3
J-1559	765.26	0.0	931.17	71.8
J-1560	764.97	45.7	931.14	71.9
J-1561	766.12	45.7	931.13	71.4
J-1562	784.49	78.0	930.65	63.2
J-1563	780.24	0.0	930.83	65.2
J-1570	774.80	0.0	930.05	67.2
J-1573	777.42	0.0	930.26	66.1
J-1574	779.00	78.0	930.15	65.4
J-1575	775.43	78.0	930.16	66.9
J-1577	750.50	0.0	929.25	77.3
J-1578	736.12	0.0	929.07	83.5
J-1579	734.53	0.0	929.06	84.2
J-1580	711.26	0.0	929.06	94.2
J-1594	765.83	0.0	1,084.09	137.7
J-1595	784.32	466.9	1,084.08	129.7
J-1596	800.36	0.0	1,084.25	122.8
J-1597	921.82	0.0	1,084.60	70.4
J-1600	783.59	90.0	1,083.69	129.8
J-1601	833.07	0.0	1,084.22	108.7
J-1602	857.28	375.8	1,084.35	98.2
J-1604	746.79	0.0	929.33	79.0

FlexTable: Junction Table

Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-1628	733.49	0.0	929.05	84.6
J-1630	731.16	353.4	928.87	85.5
J-1631	753.16	0.0	930.18	76.6
J-1632	746.48	250.3	929.80	79.3
J-1633	762.36	272.7	929.84	72.5
J-1634	955.30	0.0	1,084.99	56.1
J-1636	791.06	0.0	1,039.73	107.6
J-1638	908.49	0.0	1,084.47	76.1
J-1639	723.93	135.1	927.01	87.9
J-1640	719.52	143.5	925.08	88.9
J-1641	741.46	214.2	928.93	81.1
J-1642	741.16	183.6	929.14	81.3
J-1643	750.00	130.6	929.04	77.5
J-1644	757.59	45.9	1,083.94	141.2
J-1645	757.49	45.7	930.20	74.7
J-1646	759.53	45.7	930.20	73.8
J-1648	779.66	78.0	930.91	65.4
J-1649	772.19	70.3	999.24	98.2
J-1650	789.48	94.7	999.25	90.8
J-1651	802.27	94.7	999.50	85.3
J-1657	827.91	0.0	1,039.95	91.7
J-1662	823.82	0.0	1,039.99	93.5
J-1663	824.45	0.0	1,040.08	93.3
J-1664	789.69	0.0	998.10	90.2
J-1665	772.85	0.0	999.29	98.0
J-1667	747.81	0.0	929.80	78.7
J-1668	777.76	0.0	930.96	66.3
J-1669	769.52	0.0	930.05	69.5
J-1672	775.00	0.0	931.54	67.7
J-1673	757.74	0.0	929.75	74.4
J-1674	755.71	0.0	929.49	75.2
J-1677	773.00	0.0	930.78	68.3
J-1681	815.00	0.0	1,040.23	97.4
J-1683	786.11	29.5	998.34	91.8
J-1685	784.82	0.0	998.43	92.4
J-1686	779.30	0.0	998.45	94.8
J-1687	863.94	0.0	1,082.56	94.6
J-1687	778.03	0.0	998.46	95.4
J-1690	757.56	0.0	931.56	75.3
J-1691	772.83	0.0	1,084.14	134.7
J-1691	785.39	0.0	999.28	92.5
J-1692	828.88	0.0	1,084.21	110.5
J-1692	765.08	0.0	999.27	101.3
J-1694	765.18	0.0	931.99	72.2
J-1696	769.00	0.0	931.96	70.5
J-1699	769.78	0.0	999.26	99.3
J-1707	777.38	0.0	998.50	95.7
J-1709	774.65	0.0	999.24	97.2
J-1714	913.60	0.0	1,083.61	73.6
J-1715	814.58	0.0	999.64	80.1
J-1716	909.70	0.0	1,084.48	75.6
J-1729	754.00	0.0	929.16	75.8
J-1732	773.00	0.0	931.51	68.6
J-1734	774.00	0.0	930.86	67.9
J-2022	798.86	0.0	999.33	86.7

RESPEC

ULTIMATE SYSTEM
MDF RESULTS

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-2	400	J-4	J-5	6.0	PVC	120.0	0.350	16.5	0.19
P-3	372	J-5	J-6	6.0	PVC	120.0	0.500	53.3	0.61
P-4	406	J-6	J-7	6.0	PVC	120.0	0.500	52.4	0.59
P-6	362	J-7	J-9	6.0	PVC	120.0	0.350	32.0	0.36
P-7	385	J-9	J-10	6.0	PVC	120.0	0.800	19.7	0.22
P-8	595	J-6	J-11	8.0	PVC	120.0	0.000	0.0	0.00
P-9	388	J-12	J-4	6.0	PVC	120.0	1.280	23.9	0.27
P-11	399	J-12	J-14	8.0	PVC	120.0	1.280	44.7	0.29
P-12	388	J-5	J-14	8.0	PVC	120.0	1.280	41.0	0.26
P-13	186	J-14	J-15	8.0	PVC	120.0	0.350	3.8	0.02
P-14	180	J-15	J-16	8.0	PVC	120.0	0.000	0.5	0.00
P-15	395	J-16	J-17	8.0	PVC	120.0	0.750	57.0	0.36
P-16	374	J-17	J-18	8.0	PVC	120.0	0.750	125.9	0.80
P-17	388	J-18	J-19	8.0	PVC	120.0	0.750	106.1	0.68
P-18	400	J-19	J-20	8.0	PVC	120.0	0.750	97.8	0.62
P-19	394	J-20	J-21	8.0	PVC	120.0	0.350	59.6	0.38
P-20	379	J-21	J-22	8.0	PVC	120.0	0.750	57.5	0.37
P-21	373	J-22	J-23	8.0	PVC	120.0	0.350	50.7	0.32
P-22	377	J-23	J-24	8.0	PVC	120.0	0.750	49.4	0.32
P-23	393	J-24	J-25	8.0	PVC	120.0	1.280	29.3	0.19
P-24	375	J-15	J-26	2.0	PVC	120.0	1.280	3.2	0.33
P-25	571	J-26	J-6	8.0	PVC	120.0	0.750	0.9	0.01
P-26	184	J-26	J-27	8.0	PVC	120.0	0.350	4.2	0.03
P-27	393	J-27	J-28	8.0	PVC	120.0	0.750	3.0	0.02
P-28	377	J-28	J-29	8.0	PVC	120.0	1.280	37.7	0.24
P-30	387	J-31	J-17	12.0	PVC	120.0	0.500	321.0	0.91
P-31	385	J-31	J-32	8.0	PVC	120.0	0.350	81.5	0.52
P-32	147	J-33	J-16	6.0	PVC	120.0	0.500	0.0	0.00
P-33	376	J-16	J-27	6.0	PVC	120.0	0.500	57.6	0.65
P-34	404	J-27	J-34	6.0	PVC	120.0	0.350	52.3	0.59
P-35	354	J-34	J-40	6.0	PVC	120.0	0.350	37.0	0.42
P-36	392	J-40	J-36	6.0	PVC	120.0	0.500	38.9	0.44
P-38	387	J-37	J-38	6.0	PVC	120.0	0.350	51.1	0.58
P-39	371	J-38	J-39	6.0	PVC	120.0	0.200	45.7	0.52
P-41	371	J-40	J-41	8.0	PVC	120.0	1.280	6.7	0.04
P-42	27	J-41	J-42	8.0	PVC	120.0	0.350	4.4	0.03
P-43	379	J-42	J-43	8.0	PVC	120.0	0.750	13.8	0.09
P-45	366	J-45	J-295	6.0	PVC	120.0	1.280	30.1	0.34
P-47	360	J-9	J-45	6.0	PVC	120.0	1.280	12.3	0.14
P-48	389	J-45	J-48	6.0	PVC	120.0	0.500	20.9	0.24
P-50	398	J-36	J-48	6.0	PVC	120.0	0.750	32.3	0.37
P-52	358	J-48	J-10	6.0	PVC	120.0	0.000	14.6	0.17
P-53	356	J-48	J-50	2.0	PVC	120.0	0.000	0.0	0.00
P-55	388	J-51	J-18	8.0	PVC	120.0	0.500	45.0	0.29
P-56	185	J-51	J-52	8.0	PVC	120.0	0.000	160.5	1.02
P-57	376	J-17	J-28	8.0	PVC	120.0	0.500	138.1	0.88
P-59	389	J-42	J-53	8.0	PVC	120.0	0.500	88.1	0.56
P-60	381	J-53	J-54	8.0	PVC	120.0	0.000	76.1	0.49
P-61	384	J-54	J-55	8.0	PVC	120.0	0.350	76.1	0.49
P-62	404	J-55	J-58	8.0	PVC	120.0	0.500	59.3	0.38
P-64	386	J-58	J-59	8.0	PVC	120.0	1.280	69.9	0.45
P-65	390	J-59	J-39	8.0	PVC	120.0	0.500	113.4	0.72
P-67	338	J-37	J-61	6.0	PVC	120.0	0.750	0.0	0.00
P-69	375	J-55	J-37	6.0	PVC	120.0	1.280	16.9	0.19
P-70	391	J-58	J-38	2.0	PVC	120.0	1.280	2.5	0.25
P-71	362	J-36	J-62	8.0	PVC	120.0	0.750	26.9	0.17
P-72	29	J-62	J-53	8.0	PVC	120.0	0.350	29.2	0.19
P-75	340	J-43	J-65	6.0	PVC	120.0	0.000	0.0	0.00
P-76	376	J-18	J-29	8.0	PVC	120.0	0.350	64.8	0.41
P-78	383	J-66	J-19	8.0	PVC	120.0	1.280	18.2	0.12
P-80	221	J-43	J-79	8.0	PVC	120.0	0.750	93.3	0.60
P-82	389	J-41	J-62	2.0	PVC	120.0	1.280	2.3	0.24
P-83	132	J-68	J-69	6.0	PVC	120.0	0.800	0.0	0.00
P-85	384	J-445	J-68	8.0	PVC	120.0	0.350	1.4	0.01
P-87	389	J-71	J-21	8.0	PVC	120.0	0.500	27.2	0.17
P-88	626	J-20	J-72	6.0	PVC	120.0	1.280	29.9	0.34
P-97	395	J-73	J-81	8.0	PVC	120.0	0.750	40.1	0.26
P-99	299	J-80	J-81	3.0	PVC	120.0	0.500	3.2	0.15
P-100	369	J-81	J-63	8.0	PVC	120.0	0.350	44.7	0.29
P-101	366	J-63	J-82	8.0	PVC	120.0	0.350	80.4	0.51
P-103	20	J-83	J-84	8.0	PVC	120.0	0.500	23.5	0.15
P-104	369	J-84	J-85	8.0	PVC	120.0	1.280	30.6	0.20
P-107	374	J-59	J-86	8.0	PVC	120.0	0.350	55.0	0.35
P-109	390	J-86	J-85	8.0	PVC	120.0	0.750	35.4	0.23
P-110	389	J-85	J-88	8.0	PVC	120.0	1.280	21.4	0.14
P-111	368	J-88	J-75	8.0	PVC	120.0	0.350	23.3	0.15
P-112	390	J-75	J-84	8.0	PVC	120.0	0.750	9.7	0.06
P-113	214	J-86	J-89	8.0	PVC	120.0	0.350	16.9	0.11
P-114	166	J-89	J-90	8.0	PVC	120.0	1.280	(N/A)	(N/A)
P-115	178	J-89	J-92	8.0	PVC	120.0	0.500	16.9	0.11
P-116	157	J-92	J-93	8.0	PVC	120.0	0.500	2.8	0.02
P-117	284	J-94	J-95	6.0	PVC	120.0	0.000	0.0	0.00
P-118	491	J-95	J-96	2.0	PVC	120.0	1.280	0.0	0.00
P-119	220	J-95	J-97	6.0	PVC	120.0	0.350	3.7	0.04
P-120	282	J-97	J-93	2.0	PVC	120.0	0.300	0.1	0.01
P-121	432	J-93	J-98	2.0	PVC	120.0	0.300	1.0	0.10

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-122	209	J-97	J-92	8.0	PVC	120.0	0.500	3.6	0.02
P-125	387	J-99	J-100	8.0	PVC	120.0	0.000	17.9	0.11
P-126	34	J-100	J-101	8.0	PVC	120.0	1.280	5.4	0.03
P-127	371	J-102	J-103	8.0	PVC	120.0	0.350	31.8	0.20
P-128	377	J-103	J-100	8.0	PVC	120.0	0.800	12.4	0.08
P-129	291	J-103	J-104	8.0	PVC	120.0	1.280	0.0	0.00
P-130	384	J-88	J-99	8.0	PVC	120.0	0.500	1.9	0.01
P-131	213	J-99	J-105	8.0	PVC	120.0	0.500	9.1	0.06
P-132	421	J-105	J-98	8.0	PVC	120.0	0.300	1.0	0.01
P-134	107	J-106	J-107	8.0	PVC	120.0	0.500	14.7	0.09
P-137	420	J-110	J-111	8.0	PVC	120.0	0.300	15.8	0.10
P-138	420	J-111	J-112	8.0	PVC	120.0	0.300	26.2	0.17
P-139	417	J-112	J-101	8.0	PVC	120.0	0.000	20.6	0.13
P-141	444	J-101	J-105	8.0	PVC	120.0	0.350	15.1	0.10
P-143	606	J-114	J-112	2.0	PVC	120.0	0.500	0.8	0.08
P-144	400	J-114	J-102	6.0	PVC	120.0	0.750	12.8	0.14
P-145	380	J-102	J-75	6.0	PVC	120.0	0.750	14.4	0.16
P-146	379	J-114	J-115	6.0	PVC	120.0	0.750	4.6	0.05
P-147	292	J-115	J-116	6.0	PVC	120.0	0.750	4.1	0.05
P-148	89	J-116	J-117	6.0	PVC	120.0	1.280	4.1	0.05
P-149	429	J-111	J-115	6.0	PVC	120.0	0.500	10.4	0.12
P-150	387	J-115	J-118	6.0	PVC	120.0	0.500	10.0	0.11
P-151	406	J-118	J-119	6.0	PVC	120.0	0.350	10.6	0.12
P-152	372	J-118	J-120	2.0	PVC	120.0	1.280	0.6	0.06
P-154	9	J-122	J-123	6.0	PVC	120.0	0.750	31.3	0.35
P-155	381	J-122	J-24	6.0	PVC	120.0	0.500	11.0	0.13
P-157	385	J-124	J-125	6.0	PVC	120.0	0.500	11.4	0.13
P-158	383	J-125	J-126	6.0	PVC	120.0	0.350	9.7	0.11
P-159	374	J-126	J-127	6.0	PVC	120.0	0.500	9.1	0.10
P-160	406	J-127	J-120	6.0	PVC	120.0	0.350	14.4	0.16
P-161	383	J-120	J-117	6.0	PVC	120.0	0.350	3.1	0.03
P-162	261	J-117	J-110	6.0	PVC	120.0	0.500	7.2	0.08
P-163	392	J-109	J-127	8.0	PVC	120.0	1.280	3.4	0.02
P-164	372	J-127	J-119	8.0	PVC	120.0	0.750	8.8	0.06
P-166	402	J-443	J-74	8.0	PVC	120.0	0.750	26.4	0.17
P-167	397	J-74	J-82	8.0	PVC	120.0	1.280	27.6	0.18
P-170	383	J-25	J-130	8.0	PVC	120.0	0.350	17.9	0.11
P-171	415	J-130	J-131	8.0	PVC	120.0	0.750	2.8	0.02
P-172	363	J-131	J-132	8.0	PVC	120.0	0.350	0.0	0.00
P-173(1)	59	J-132	PRV-42	6.0	PVC	120.0	0.200	(N/A)	(N/A)
P-173(2)	204	PRV-42	J-133	6.0	PVC	120.0	0.200	(N/A)	(N/A)
P-174	263	J-133	J-134	6.0	PVC	120.0	1.280	0.0	0.00
P-175	310	J-133	J-135	6.0	PVC	120.0	0.350	7.4	0.08
P-177	306	J-136	J-137	6.0	PVC	120.0	0.350	22.1	0.25
P-178	322	J-137	J-138	6.0	PVC	120.0	0.350	18.9	0.21
P-179	254	J-138	J-139	6.0	PVC	120.0	0.350	16.1	0.18
P-181	235	J-139	J-141	6.0	PVC	120.0	0.350	3.7	0.04
P-182	22	J-142	J-143	2.0	PVC	120.0	0.750	0.0	0.00
P-183	49	J-143	J-144	2.0	PVC	120.0	0.000	0.0	0.00
P-185	228	J-145	J-146	6.0	PVC	120.0	0.000	0.0	0.00
P-195	384	J-151	J-22	8.0	PVC	120.0	1.280	10.2	0.07
P-196	377	J-130	J-123	8.0	PVC	120.0	0.000	31.3	0.20
P-198	359	J-132	J-153	2.0	PVC	120.0	1.280	0.0	0.00
P-199	359	J-131	J-154	6.0	PVC	120.0	1.280	2.8	0.03
P-201	383	J-156	J-23	8.0	PVC	120.0	0.500	1.3	0.01
P-203	391	J-151	J-71	8.0	PVC	120.0	0.750	62.7	0.40
P-204	256	J-71	J-158	8.0	PVC	120.0	0.000	60.4	0.39
P-205	378	J-122	J-156	8.0	PVC	120.0	0.750	42.3	0.27
P-206	361	J-156	J-151	8.0	PVC	120.0	0.750	52.5	0.34
P-207	380	J-124	J-159	6.0	PVC	120.0	0.750	12.0	0.14
P-210	379	J-162	J-159	8.0	PVC	120.0	0.500	12.0	0.08
P-211	65	J-159	J-163	0.8	PVC	120.0	0.750	0.0	0.00
P-212	378	J-125	J-162	6.0	PVC	120.0	0.750	6.5	0.07
P-213	359	J-162	J-165	6.0	PVC	120.0	0.750	1.5	0.02
P-215	388	J-165	J-166	6.0	PVC	120.0	0.750	25.6	0.29
P-216	399	J-166	J-73	6.0	PVC	120.0	0.750	33.0	0.37
P-217	528	J-166	J-167	6.0	PVC	120.0	0.500	29.3	0.33
P-218	225	J-167	J-168	6.0	PVC	120.0	0.350	29.3	0.33
P-219	112	J-167	J-169	6.0	PVC	120.0	1.280	0.0	0.00
P-220	378	J-165	J-170	8.0	PVC	120.0	0.500	0.0	0.00
P-221	376	J-165	J-171	8.0	PVC	120.0	0.500	18.1	0.12
P-222	75	J-126	J-172	2.0	PVC	120.0	1.280	0.6	0.06
P-223	299	J-172	J-160	3.0	PVC	120.0	0.750	0.6	0.03
P-224	410	J-160	J-171	3.0	PVC	120.0	0.750	0.6	0.03
P-225	181	J-171	J-173	3.0	PVC	120.0	0.000	0.0	0.00
P-226	398	J-166	J-174	8.0	PVC	120.0	0.000	36.7	0.23
P-227	350	J-174	J-443	8.0	PVC	120.0	0.500	36.7	0.23
P-228	370	J-160	J-119	8.0	PVC	120.0	0.500	9.8	0.06
P-229	488	J-110	J-175	2.0	PVC	120.0	0.000	0.0	0.00
P-230	210	J-176	J-177	2.0	PVC	120.0	0.500	4.6	0.47
P-231	386	J-177	J-178	2.0	PVC	120.0	0.300	13.0	1.32
P-232	78	J-177	J-179	2.0	PVC	120.0	0.800	17.6	1.79
P-233	361	J-180	J-181	2.0	PVC	120.0	1.280	2.3	0.23
P-235	220	J-183	J-184	2.0	PVC	120.0	0.750	0.0	0.00
P-239	420	J-185	J-182	6.0	PVC	120.0	1.280	9.9	0.11
P-240	279	J-60	J-186	12.0	PVC	120.0	0.000	159.1	0.45

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-241	143	J-186	J-185	6.0	PVC	120.0	0.350	60.6	0.69
P-243	297	J-187	J-188	6.0	PVC	120.0	1.280	131.5	1.49
P-244	215	J-187	J-189	6.0	PVC	120.0	0.350	131.5	1.49
P-245	218	J-189	J-190	6.0	PVC	120.0	0.350	84.7	0.96
P-248	23	J-192	J-193	6.0	PVC	120.0	1.280	28.3	0.32
P-250	47	J-194	J-196	6.0	PVC	120.0	0.350	61.6	0.70
P-252	84	J-197	J-198	6.0	PVC	120.0	0.500	65.9	0.75
P-253	126	J-197	J-199	6.0	PVC	120.0	0.500	53.7	0.61
P-254	160	J-199	J-192	6.0	PVC	120.0	1.280	18.5	0.21
P-255	434	J-200	J-201	2.0	PVC	120.0	0.500	0.0	0.00
P-258	166	J-193	J-199	8.0	PVC	120.0	0.350	27.4	0.17
P-259	68	J-199	J-198	8.0	PVC	120.0	0.750	7.7	0.05
P-262	150	J-203	J-204	6.0	PVC	120.0	0.000	38.1	0.43
P-264	437	J-194	J-206	8.0	PVC	120.0	0.350	91.0	0.58
P-265	287	J-206	J-207	8.0	PVC	120.0	0.350	131.4	0.84
P-266	294	J-207	J-107	8.0	PVC	120.0	0.350	177.4	1.13
P-268	558	J-106	J-209	6.0	PVC	120.0	1.280	3.7	0.04
P-269	498	J-209	J-210	6.0	PVC	120.0	0.500	0.0	0.00
P-270	651	J-209	J-211	6.0	PVC	120.0	0.000	0.0	0.00
P-272	331	J-212	J-213	6.0	PVC	120.0	1.280	0.6	0.01
P-274	487	J-212	J-214	6.0	PVC	120.0	0.350	52.1	0.59
P-275	313	J-214	J-215	6.0	PVC	120.0	0.350	61.3	0.70
P-276	187	J-215	J-216	6.0	PVC	120.0	0.000	64.1	0.73
P-277	202	J-213	J-217	4.0	PVC	120.0	0.750	1.4	0.04
P-278	305	J-214	J-218	4.0	PVC	120.0	1.280	3.2	0.08
P-279	305	J-215	J-219	4.0	PVC	120.0	1.280	2.8	0.07
P-280	307	J-213	J-204	8.0	PVC	120.0	0.350	50.4	0.32
P-282	492	J-204	J-221	8.0	PVC	120.0	1.280	88.5	0.57
P-283	308	J-221	J-222	8.0	PVC	120.0	0.350	97.7	0.62
P-285	261	J-223	J-224	8.0	PVC	120.0	0.350	210.1	1.34
P-286	261	J-224	J-225	8.0	PVC	120.0	0.350	215.6	1.38
P-287	158	J-225	J-226	8.0	PVC	120.0	0.350	220.7	1.41
P-288	287	J-226	J-227	8.0	PVC	120.0	0.750	220.7	1.41
P-289	304	J-221	J-228	4.0	PVC	120.0	1.280	2.8	0.07
P-290	304	J-222	J-229	4.0	PVC	120.0	1.280	2.8	0.07
P-291	386	J-223	J-230	6.0	PVC	120.0	1.280	5.1	0.06
P-292	387	J-224	J-231	6.0	PVC	120.0	1.280	5.5	0.06
P-293	385	J-225	J-232	6.0	PVC	120.0	1.280	5.1	0.06
P-294	171	J-226	J-233	2.0	PVC	120.0	1.280	0.0	0.00
P-295	565	J-234	J-227	12.0	PVC	120.0	0.500	135.2	0.38
P-301	395	J-238	J-239	8.0	PVC	120.0	0.000	203.8	1.30
P-302	619	J-239	J-240	8.0	PVC	120.0	1.280	0.0	0.00
P-304	308	J-241	J-242	10.0	PVC	120.0	0.300	465.4	1.90
P-312	554	J-250	J-251	10.0	PVC	120.0	1.280	478.5	1.95
P-313	653	J-252	J-253	10.0	PVC	120.0	0.000	176.9	0.72
P-314	333	J-253	J-254	10.0	PVC	120.0	0.350	137.2	0.56
P-315	275	J-253	J-251	8.0	PVC	120.0	1.280	314.1	2.00
P-317	528	J-255	J-256	8.0	PVC	120.0	1.280	129.9	0.83
P-318	512	J-256	J-254	8.0	PVC	120.0	0.350	132.6	0.85
P-321	238	J-258	J-259	6.0	PVC	120.0	0.800	0.0	0.00
P-322	351	J-258	J-260	24.0	PVC	120.0	0.000	2,861.7	2.03
P-325	394	J-262	J-263	6.0	PVC	120.0	0.350	0.9	0.01
P-327	337	J-264	J-261	6.0	PVC	120.0	0.000	0.5	0.01
P-329	461	J-265	J-262	6.0	PVC	120.0	0.800	0.4	0.00
P-331	238	J-7	J-266	1.5	PVC	120.0	0.000	0.0	0.00
P-332	462	J-196	J-267	1.5	PVC	120.0	1.280	1.4	0.25
P-333	390	J-40	J-45	8.0	PVC	120.0	1.280	14.6	0.09
P-334	169	J-72	J-268	3.0	PVC	120.0	1.280	0.0	0.00
P-336	436	J-269	J-136	6.0	PVC	120.0	0.800	9.1	0.10
P-338	319	J-270	J-147	6.0	PVC	120.0	0.800	15.2	0.17
P-339	458	J-137	J-271	6.0	PVC	120.0	1.280	3.2	0.04
P-340	512	J-271	J-270	6.0	PVC	120.0	0.000	15.2	0.17
P-341	502	J-147	J-272	6.0	PVC	120.0	1.280	12.4	0.14
P-342	403	J-272	J-138	6.0	PVC	120.0	1.280	2.8	0.03
P-343	414	J-139	J-273	6.0	PVC	120.0	1.280	19.8	0.22
P-344	439	J-273	J-148	6.0	PVC	120.0	0.350	19.8	0.22
P-346	101	J-274	J-150	8.0	PVC	120.0	0.800	377.9	2.41
P-347	539	J-149	J-276	8.0	PVC	120.0	0.350	384.3	2.45
P-348	549	J-276	J-274	8.0	PVC	120.0	0.800	384.3	2.45
P-349	504	J-149	J-277	12.0	PVC	120.0	0.200	438.6	1.24
P-350	349	J-277	J-143	12.0	PVC	120.0	0.000	438.6	1.24
P-351	438	J-148	J-278	12.0	PVC	120.0	0.200	47.4	0.13
P-352	523	J-278	J-149	12.0	PVC	120.0	1.280	54.3	0.15
P-353	183	J-148	J-279	6.0	PVC	120.0	1.280	27.6	0.31
P-354	240	J-279	J-147	6.0	PVC	120.0	0.350	27.6	0.31
P-355	356	J-145	J-280	6.0	PVC	120.0	0.350	2.0	0.02
P-356	416	J-280	J-136	6.0	PVC	120.0	1.280	13.0	0.15
P-357	334	J-135	J-281	6.0	PVC	120.0	0.800	5.4	0.06
P-358	312	J-281	J-269	6.0	PVC	120.0	0.000	9.1	0.10
P-359	676	J-143	J-282	12.0	PVC	120.0	0.500	438.6	1.24
P-361	528	J-282	J-387	12.0	PVC	120.0	0.000	441.8	1.25
P-362	604	J-283	J-151	8.0	PVC	120.0	0.500	0.0	0.00
P-363	371	J-155	J-284	8.0	PVC	120.0	0.000	0.0	0.00
P-364	384	J-284	J-156	8.0	PVC	120.0	0.500	11.5	0.07
P-365	384	J-121	J-285	6.0	PVC	120.0	0.000	0.0	0.00
P-366	389	J-285	J-122	6.0	PVC	120.0	0.500	0.0	0.00

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-367	384	J-152	J-286	8.0	PVC	120.0	0.000	0.0	0.00
P-368	390	J-286	J-130	8.0	PVC	120.0	0.500	10.6	0.07
P-369	362	J-129	J-287	8.0	PVC	120.0	0.350	42.1	0.27
P-370	358	J-287	J-25	8.0	PVC	120.0	0.500	42.1	0.27
P-371	361	J-24	J-288	6.0	PVC	120.0	0.500	23.8	0.27
P-372	367	J-288	J-124	6.0	PVC	120.0	0.500	23.8	0.27
P-373	418	J-445	J-289	8.0	PVC	120.0	1.280	35.6	0.23
P-374	381	J-289	J-71	8.0	PVC	120.0	0.500	29.6	0.19
P-375	379	J-66	J-290	8.0	PVC	120.0	0.350	97.3	0.62
P-376	363	J-290	J-445	8.0	PVC	120.0	1.280	36.9	0.24
P-380	377	J-421	J-31	12.0	PVC	120.0	0.500	571.3	1.62
P-381	365	J-13	J-293	8.0	PVC	120.0	0.000	0.0	0.00
P-382	375	J-293	J-12	8.0	PVC	120.0	0.500	0.0	0.00
P-383	374	J-3	J-294	6.0	PVC	120.0	0.000	0.0	0.00
P-384	369	J-294	J-4	6.0	PVC	120.0	0.350	7.4	0.08
P-386	358	J-295	J-7	6.0	PVC	120.0	0.750	14.9	0.17
P-387	399	J-34	J-295	6.0	PVC	120.0	0.500	15.3	0.17
P-389	380	J-28	J-297	8.0	PVC	120.0	0.000	97.4	0.62
P-390	381	J-297	J-42	8.0	PVC	120.0	0.500	97.4	0.62
P-391	375	J-29	J-298	8.0	PVC	120.0	0.000	93.3	0.60
P-392	386	J-298	J-43	8.0	PVC	120.0	0.500	93.3	0.60
P-395	428	J-39	J-300	8.0	PVC	120.0	0.300	159.1	1.02
P-396	440	J-300	J-60	8.0	PVC	120.0	0.000	159.1	1.02
P-397	435	J-183	J-301	6.0	PVC	120.0	0.200	43.8	0.50
P-398	322	J-301	J-185	6.0	PVC	120.0	0.000	50.7	0.58
P-400	522	J-302	J-183	6.0	PVC	120.0	0.500	46.3	0.53
P-401	221	J-180	J-501	6.0	PVC	120.0	0.350	38.3	0.43
P-402	599	J-303	J-302	6.0	PVC	120.0	0.100	46.3	0.53
P-403	547	J-179	J-304	6.0	PVC	120.0	0.800	17.6	0.20
P-404	534	J-304	J-180	6.0	PVC	120.0	0.350	36.0	0.41
P-405	434	J-186	J-305	8.0	PVC	120.0	1.280	95.3	0.61
P-407	291	J-305	J-306	8.0	PVC	120.0	0.350	95.3	0.61
P-409	429	J-306	J-307	8.0	PVC	120.0	0.000	71.0	0.45
P-411	424	J-307	J-308	8.0	PVC	120.0	0.000	64.5	0.41
P-413	358	J-308	J-309	8.0	PVC	120.0	0.800	64.5	0.41
P-414(1)	256	J-309	PRV-26	8.0	PVC	120.0	0.000	(N/A)	(N/A)
P-414(2)	90	PRV-26	J-187	8.0	PVC	120.0	0.000	(N/A)	(N/A)
P-415	498	J-189	J-310	6.0	PVC	120.0	1.280	46.8	0.53
P-416	494	J-310	J-191	6.0	PVC	120.0	0.000	46.8	0.53
P-417	495	J-191	J-311	6.0	PVC	120.0	0.000	46.8	0.53
P-418	379	J-311	J-192	6.0	PVC	120.0	0.350	46.8	0.53
P-419	365	J-198	J-312	8.0	PVC	120.0	1.280	73.6	0.47
P-421	495	J-312	J-313	8.0	PVC	120.0	0.000	73.6	0.47
P-423	491	J-313	J-314	8.0	PVC	120.0	0.000	84.7	0.54
P-424	507	J-314	J-190	8.0	PVC	120.0	0.800	84.7	0.54
P-425	96	J-200	J-315	8.0	PVC	120.0	0.200	0.9	0.01
P-426	182	J-315	J-193	8.0	PVC	120.0	0.800	0.9	0.01
P-427	156	J-202	J-317	8.0	PVC	120.0	0.200	0.0	0.00
P-428	84	J-317	J-200	8.0	PVC	120.0	0.300	0.0	0.00
P-429	592	J-196	J-318	6.0	PVC	120.0	0.000	63.0	0.71
P-430	227	J-318	J-197	6.0	PVC	120.0	0.350	119.5	1.36
P-431	418	J-194	J-319	6.0	PVC	120.0	1.280	29.4	0.33
P-432	448	J-319	J-203	6.0	PVC	120.0	1.280	34.0	0.39
P-433	147	J-203	J-322	4.0	PVC	120.0	0.800	4.1	0.11
P-434	209	J-322	J-205	4.0	PVC	120.0	0.000	0.0	0.00
P-435	397	J-222	J-323	8.0	PVC	120.0	0.200	100.5	0.64
P-437	693	J-323	J-324	8.0	PVC	120.0	0.200	106.9	0.68
P-439	555	J-324	J-325	8.0	PVC	120.0	1.280	112.9	0.72
P-440	284	J-325	J-223	8.0	PVC	120.0	0.350	205.1	1.31
P-441	679	J-227	J-326	12.0	PVC	120.0	0.000	368.3	1.04
P-443	549	J-326	J-327	12.0	PVC	120.0	0.350	370.1	1.05
P-444	176	J-327	J-651	12.0	PVC	120.0	0.000	376.6	1.07
P-445	307	J-236	J-652	16.0	PVC	120.0	0.000	376.6	0.60
P-447(1)	262	J-328	J-1709	16.0	PVC	120.0	0.350	303.0	0.48
P-447(2)	227	J-1709	J-329	16.0	PVC	120.0	0.000	308.9	0.49
P-449	466	J-329	J-330	16.0	PVC	120.0	0.000	308.9	0.49
P-451(1)	27	J-330	J-1699	16.0	PVC	120.0	0.350	308.9	0.49
P-451(2)	582	J-1699	J-331	16.0	PVC	120.0	0.000	126.4	0.20
P-453	397	J-331	J-332	16.0	PVC	120.0	0.350	126.4	0.20
P-454	387	J-332	J-237	16.0	PVC	120.0	0.000	176.1	0.28
P-457	519	J-237	J-334	16.0	PVC	120.0	0.000	176.1	0.28
P-458	509	J-334	J-333	16.0	PVC	120.0	0.000	176.1	0.28
P-459	450	J-333	J-870	16.0	PVC	120.0	0.000	176.6	0.28
P-460	568	J-335	J-235	16.0	PVC	120.0	0.800	176.6	0.28
P-463	287	J-239	J-337	8.0	PVC	120.0	0.350	201.1	1.28
P-464	381	J-337	J-336	8.0	PVC	120.0	0.000	201.1	1.28
P-465	442	J-336	J-338	8.0	PVC	120.0	0.000	201.1	1.28
P-466	522	J-338	J-241	8.0	PVC	120.0	0.500	201.1	1.28
P-467	343	J-255	J-339	8.0	PVC	120.0	0.000	24.4	0.16
P-468	395	J-339	J-257	8.0	PVC	120.0	0.000	24.4	0.16
P-469	262	J-251	J-340	8.0	PVC	120.0	0.350	164.4	1.05
P-471	394	J-340	J-341	8.0	PVC	120.0	0.800	164.4	1.05
P-472	450	J-341	J-255	8.0	PVC	120.0	0.350	154.3	0.98
P-475	427	J-256	J-343	8.0	PVC	120.0	0.000	272.5	1.74
P-476	431	J-343	J-342	8.0	PVC	120.0	0.000	272.5	1.74
P-477	452	J-342	J-344	8.0	PVC	120.0	0.000	272.5	1.74

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-478	502	J-344	J-243	8.0	PVC	120.0	0.800	272.5	1.74
P-481	433	J-345	J-346	10.0	PVC	120.0	0.000	316.2	1.29
P-482	470	J-346	J-243	10.0	PVC	120.0	0.500	313.9	1.28
P-483	403	J-242	J-347	10.0	PVC	120.0	0.300	465.4	1.90
P-484	443	J-347	J-345	10.0	PVC	120.0	0.000	316.2	1.29
P-487	341	J-262	J-349	6.0	PVC	120.0	0.500	0.5	0.01
P-488	316	J-349	J-264	6.0	PVC	120.0	0.000	0.5	0.01
P-489	154	J-261	J-350	6.0	PVC	120.0	1.280	0.4	0.00
P-490	682	J-350	J-265	6.0	PVC	120.0	0.800	0.4	0.00
P-495	627	J-260	J-353	16.0	PVC	120.0	0.200	0.9	0.00
P-497	403	J-353	J-354	6.0	PVC	120.0	0.000	0.9	0.01
P-498	479	J-354	J-351	6.0	PVC	120.0	0.000	0.9	0.01
P-499	386	J-351	J-355	6.0	PVC	120.0	0.000	0.9	0.01
P-500	422	J-355	J-352	6.0	PVC	120.0	0.000	0.9	0.01
P-501	365	J-352	J-356	6.0	PVC	120.0	0.000	0.9	0.01
P-502	390	J-356	J-261	6.0	PVC	120.0	0.350	0.9	0.01
P-503	404	J-109	J-357	8.0	PVC	120.0	0.000	21.9	0.14
P-505	471	J-357	J-358	8.0	PVC	120.0	0.200	16.4	0.10
P-506	424	J-358	J-110	8.0	PVC	120.0	0.750	16.4	0.10
P-507	436	J-98	J-359	8.0	PVC	120.0	0.500	0.0	0.00
P-509(1)	44	J-359	PRV-38	8.0	PVC	120.0	0.100	(N/A)	(N/A)
P-509(2)	428	PRV-38	J-360	8.0	PVC	120.0	0.100	(N/A)	(N/A)
P-510	426	J-360	J-106	8.0	PVC	120.0	0.350	0.0	0.00
P-513	310	J-361	J-362	8.0	PVC	120.0	0.000	94.0	0.60
P-514	302	J-362	J-208	8.0	PVC	120.0	0.000	94.0	0.60
P-515	308	J-107	J-363	8.0	PVC	120.0	0.000	95.8	0.61
P-516	308	J-363	J-361	8.0	PVC	120.0	0.000	95.8	0.61
P-517	384	J-82	J-364	8.0	PVC	120.0	0.000	52.7	0.34
P-518	386	J-364	J-83	8.0	PVC	120.0	0.350	52.7	0.34
P-519	369	J-84	J-365	3.0	PVC	120.0	0.800	2.6	0.12
P-520	371	J-365	J-86	3.0	PVC	120.0	0.500	2.6	0.12
P-521	378	J-83	J-366	8.0	PVC	120.0	1.280	13.1	0.08
P-522	385	J-366	J-58	8.0	PVC	120.0	0.750	13.1	0.08
P-523	380	J-36	J-367	6.0	PVC	120.0	0.000	44.3	0.50
P-524	387	J-367	J-37	6.0	PVC	120.0	0.500	34.2	0.39
P-525	387	J-53	J-368	8.0	PVC	120.0	0.750	35.6	0.23
P-527	111	J-135	J-369	6.0	PVC	120.0	1.280	2.0	0.02
P-528	357	J-369	J-145	6.0	PVC	120.0	1.280	2.0	0.02
P-530	362	J-370	J-109	8.0	PVC	120.0	0.350	18.5	0.12
P-531	391	J-119	J-113	8.0	PVC	120.0	0.750	9.6	0.06
P-532	364	J-113	J-443	8.0	PVC	120.0	0.750	26.1	0.17
P-533	399	J-113	J-372	8.0	PVC	120.0	0.350	25.2	0.16
P-534	393	J-372	J-114	8.0	PVC	120.0	0.500	18.1	0.12
P-535	361	J-73	J-373	6.0	PVC	120.0	0.000	32.9	0.37
P-536	379	J-373	J-74	6.0	PVC	120.0	0.500	23.7	0.27
P-537	400	J-74	J-374	6.0	PVC	120.0	0.000	25.0	0.28
P-538	391	J-374	J-75	6.0	PVC	120.0	0.500	18.5	0.21
P-539	371	J-19	J-375	8.0	PVC	120.0	0.500	12.3	0.08
P-540	327	J-375	J-299	8.0	PVC	120.0	0.100	12.3	0.08
P-541	386	J-92	J-376	8.0	PVC	120.0	0.750	23.3	0.15
P-542	393	J-376	J-99	8.0	PVC	120.0	0.750	28.8	0.18
P-543	528	J-182	J-377	2.0	PVC	120.0	0.200	2.5	0.26
P-544	257	J-377	J-183	2.0	PVC	120.0	0.800	2.5	0.26
P-546	140	J-378	J-206	6.0	PVC	120.0	1.280	40.4	0.46
P-547	472	J-213	J-379	6.0	PVC	120.0	0.500	44.1	0.50
P-548	362	J-379	J-378	6.0	PVC	120.0	0.350	40.4	0.46
P-549	223	J-207	J-380	6.0	PVC	120.0	1.280	46.0	0.52
P-551	307	J-380	J-381	6.0	PVC	120.0	0.350	46.0	0.52
P-553	303	J-381	J-382	6.0	PVC	120.0	0.000	51.6	0.59
P-554	345	J-382	J-212	6.0	PVC	120.0	0.350	51.6	0.59
P-556	58	City Hill Tank	J-30	36.0	PVC	120.0	0.000	571.3	0.18
P-559	327	J-2	J-385	6.0	PVC	120.0	0.000	0.0	0.00
P-560	375	J-385	J-291	6.0	PVC	120.0	0.000	0.0	0.00
P-569(1)	40	J-283	PRV-43	8.0	PVC	120.0	0.000	(N/A)	(N/A)
P-569(2)	37	PRV-43	J-392	8.0	PVC	120.0	0.000	(N/A)	(N/A)
P-571	18	R-7	GPV-1	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-572	13	GPV-1	Well 3	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-573	16	Well 3	J-157	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-574	52	R-8	GPV-2	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-575	55	GPV-2	Well 1	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-576	49	Well 1	J-82	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-577	37	R-9	GPV-3	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-578	31	GPV-3	Well 2	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-579	26	Well 2	J-90	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-601	86	Airport GST	Airport-3	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-602	119	Airport-3	J-391	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-603	62	J-391	J-260	16.0	PVC	120.0	0.000	3,548.3	5.66
P-604	111	Airport GST	Airport-1	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-605	99	Airport-1	J-391	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-611	10	J-392	J-387	8.0	PVC	120.0	0.800	441.8	2.82
P-616	96	Airport GST	Airport-2	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-617	93	Airport-2	J-391	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-628(1)	615	J-260	J-1411	16.0	PVC	120.0	0.350	685.6	1.09
P-628(2)	761	J-1411	J-393	16.0	PVC	120.0	0.500	327.5	0.52
P-629(1)	606	J-393	J-1672	10.0	PVC	120.0	0.300	0.0	0.00
P-629(2)(1)	510	J-1672	PRV-29	10.0	PVC	120.0	0.500	(N/A)	(N/A)

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-629(2)(2)	296	PRV-29	J-236	10.0	PVC	120.0	0.500	(N/A)	(N/A)
P-631	534	J-1409	J-241	10.0	PVC	120.0	0.000	264.4	1.08
P-631(1)	552	J-393	J-490	10.0	PVC	120.0	0.000	327.5	1.34
P-631(2)(1)	1,843	J-490	J-1409	10.0	PVC	120.0	0.300	327.5	1.34
P-690	371	J-291	J-51	6.0	PVC	120.0	0.500	0.0	0.00
P-692	354	J-30	J-421	12.0	PVC	120.0	0.800	571.3	1.62
P-717	62	J-23	J-426	8.0	PVC	120.0	0.350	0.0	0.00
P-718	66	J-426	J-157	8.0	PVC	120.0	1.280	(N/A)	(N/A)
P-741	389	J-431	J-370	8.0	PVC	120.0	0.000	24.9	0.16
P-742	391	J-125	J-431	6.0	PVC	120.0	1.280	4.8	0.05
P-743	399	J-129	J-431	8.0	PVC	120.0	0.350	29.7	0.19
P-748	385	J-66	J-51	8.0	PVC	120.0	0.750	115.5	0.74
P-750	162	J-290	J-158	8.0	PVC	120.0	0.350	60.4	0.39
P-751	375	J-21	J-168	6.0	PVC	120.0	0.000	29.3	0.33
P-755	139	J-437	J-80	12.0	PVC	120.0	0.000	7.5	0.02
P-756	159	J-80	J-438	12.0	PVC	120.0	0.000	10.7	0.03
P-757	152	J-438	J-439	12.0	PVC	120.0	0.000	10.7	0.03
P-763	381	J-444	J-372	12.0	PVC	120.0	1.280	3.5	0.01
P-765	741	J-32	J-432	12.0	PVC	120.0	1.280	0.0	0.00
P-766	192	J-31	J-52	8.0	PVC	120.0	0.750	168.8	1.08
P-789	111	J-72	J-435	6.0	PVC	120.0	0.350	5.1	0.06
P-790	398	J-435	J-73	6.0	PVC	120.0	0.500	25.8	0.29
P-791	124	J-304	J-469	6.0	PVC	120.0	1.280	18.4	0.21
P-792	359	J-154	J-153	6.0	PVC	120.0	0.800	0.0	0.00
P-794	384	J-160	J-162	8.0	PVC	120.0	0.500	20.0	0.13
P-795	394	J-124	J-129	6.0	PVC	120.0	1.280	9.2	0.10
P-796	379	J-113	J-171	8.0	PVC	120.0	0.500	8.7	0.06
P-797	391	J-443	J-444	8.0	PVC	120.0	0.350	36.9	0.24
P-798	401	J-444	J-102	8.0	PVC	120.0	0.500	33.4	0.21
P-799	377	J-32	J-12	8.0	PVC	120.0	0.750	81.5	0.52
P-809	38	J-299	J-436	2.0	PVC	120.0	0.000	12.3	1.25
P-810	432	J-436	J-79	2.0	PVC	120.0	0.500	1.0	0.10
P-811	301	J-435	J-437	12.0	PVC	120.0	0.000	20.7	0.06
P-812	108	J-437	J-436	12.0	PVC	120.0	0.000	13.2	0.04
P-813	150	J-368	J-441	8.0	PVC	120.0	0.000	35.6	0.23
P-814	227	J-441	J-63	8.0	PVC	120.0	1.280	35.6	0.23
P-815	90	J-81	J-439	8.0	PVC	120.0	0.000	81.6	0.52
P-816	80	J-439	J-79	8.0	PVC	120.0	0.000	92.3	0.59
P-842(1)(1)	620	J-455	PRV-21	16.0	PVC	120.0	0.500	(N/A)	(N/A)
P-842(1)(2)	2,402	PRV-21	J-1336	16.0	PVC	120.0	0.500	(N/A)	(N/A)
P-842(2)	825	J-1336	J-478	16.0	PVC	120.0	0.350	382.7	0.61
P-845(1)(1)(1)	236	J-479	PRV-17	16.0	PVC	120.0	0.350	(N/A)	(N/A)
P-845(1)(1)(2)	1,978	PRV-17	J-1687	16.0	PVC	120.0	0.350	(N/A)	(N/A)
P-845(1)(2)	2,250	J-1687	J-480	16.0	PVC	120.0	0.350	137.1	0.22
P-846(2)	3,649	J-506	J-481	16.0	PVC	120.0	0.750	198.9	0.32
P-847(1)	1,899	J-481	J-1375	16.0	PVC	120.0	0.500	299.0	0.48
P-847(2)(1)	2,060	J-1375	PRV-24	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-847(2)(2)	21	PRV-24	J-482	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-848(1)(1)(1)	3,158	J-482	J-1376	16.0	PVC	120.0	0.500	459.6	0.73
P-848(1)(1)(2)(1)	519	J-1376	J-1378	16.0	PVC	120.0	0.350	516.2	0.82
P-848(1)(1)(2)(2)	1,433	J-1378	J-875	16.0	PVC	120.0	0.350	516.2	0.82
P-852(1)	2,082	J-484	PRV-22	16.0	PVC	120.0	0.350	(N/A)	(N/A)
P-852(2)	152	PRV-22	J-485	16.0	PVC	120.0	0.350	(N/A)	(N/A)
P-854(1)	2,265	J-486	J-1352	12.0	PVC	120.0	0.500	253.9	0.72
P-855(1)(1)	455	J-485	J-1664	16.0	PVC	120.0	0.000	0.0	0.00
P-855(1)(2)	1,515	J-1664	J-1334	16.0	PVC	120.0	0.500	192.5	0.31
P-855(2)	1,535	J-1334	J-107	16.0	PVC	120.0	0.350	66.9	0.11
P-860	264	J-482	J-1715	12.0	PVC	120.0	0.750	459.6	1.30
P-861	1,191	J-1715	J-492	12.0	PVC	120.0	0.200	459.6	1.30
P-862(1)	3,826	J-492	J-1346	12.0	PVC	120.0	0.200	148.2	0.42
P-862(2)(1)	373	J-1346	J-1665	12.0	PVC	120.0	0.350	59.2	0.17
P-862(2)(2)	403	J-1665	J-493	12.0	PVC	120.0	1.280	59.2	0.17
P-863(1)(1)	431	J-493	J-1506	16.0	PVC	120.0	0.350	59.2	0.09
P-863(1)(2)	173	J-1506	J-1204	16.0	PVC	120.0	0.350	178.4	0.28
P-863(2)	241	J-1204	J-235	16.0	PVC	120.0	0.000	178.4	0.28
P-865(1)	2,946	J-347	J-1403	6.0	PVC	120.0	0.500	147.8	1.68
P-865(2)	2,708	J-1403	J-495	12.0	PVC	120.0	0.350	32.9	0.09
P-866(1)	2,645	J-495	J-1405	12.0	PVC	120.0	0.500	391.4	1.11
P-866(2)	2,377	J-1405	J-496	12.0	PVC	120.0	0.350	643.5	1.83
P-867	1,294	J-496	J-497	12.0	PVC	120.0	0.350	89.0	0.25
P-868	2,468	J-497	J-498	12.0	PVC	120.0	0.800	492.5	1.40
P-869(1)	1,956	J-498	J-1667	12.0	PVC	120.0	1.280	283.7	0.80
P-869(2)	717	J-1667	J-499	12.0	PVC	120.0	0.200	283.7	0.80
P-870(1)	809	J-499	J-1318	12.0	PVC	120.0	0.350	205.5	0.58
P-870(2)(1)	1,304	J-1318	J-1394	12.0	PVC	120.0	0.350	44.1	0.13
P-870(2)(2)	217	J-1394	J-178	12.0	PVC	120.0	0.350	13.0	0.04
P-871(1)(1)(1)(1)	385	J-498	J-1101	16.0	PVC	120.0	0.350	776.2	1.24
P-871(1)(1)(1)(2)(1)	118	J-1101	J-1570	16.0	PVC	120.0	0.000	776.2	1.24
P-871(1)(1)(1)(2)(2)	127	J-1570	J-1100	16.0	PVC	120.0	0.000	776.2	1.24
P-871(1)(1)(2)	878	J-1100	J-1065	16.0	PVC	120.0	0.000	776.2	1.24
P-871(1)(2)(1)(1)	270	J-1065	J-1573	16.0	PVC	120.0	0.500	776.2	1.24
P-871(1)(2)(1)(2)	165	J-1573	J-1066	16.0	PVC	120.0	0.000	1,075.2	1.72
P-871(1)(2)(2)	1,127	J-1066	J-1038	16.0	PVC	120.0	0.000	1,075.2	1.72
P-871(2)(1)	370	J-1038	J-1039	16.0	PVC	120.0	0.100	1,075.2	1.72
P-871(2)(2)	327	J-1039	J-500	16.0	PVC	120.0	0.500	1,075.2	1.72
P-872(1)(1)(1)(1)(1)(1)	547	J-500	J-1563	16.0	PVC	120.0	0.000	74.6	0.12

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-872(1)(1)(1)(1)(1)(2)	52	J-1563	J-1020	16.0	PVC	120.0	0.000	74.6	0.12
P-872(1)(1)(1)(1)(2)	457	J-1020	J-1013	16.0	PVC	120.0	0.500	74.6	0.12
P-872(1)(1)(1)(2)	113	J-1013	J-995	16.0	PVC	120.0	0.000	64.5	0.10
P-872(1)(1)(2)	386	J-995	J-993	16.0	PVC	120.0	0.000	64.5	0.10
P-872(1)(2)	480	J-993	J-991	16.0	PVC	120.0	0.000	64.5	0.10
P-872(2)(1)	60	J-991	PRV-27	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-872(2)(2)	132	PRV-27	J-227	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-873(1)(1)	1,382	J-501	J-1677	12.0	PVC	120.0	0.750	3.0	0.01
P-873(1)(2)	1,212	J-1677	J-1392	12.0	PVC	120.0	0.350	3.0	0.01
P-873(2)	1,595	J-1392	J-500	12.0	PVC	120.0	0.750	164.4	0.47
P-874	1,084	J-500	J-502	16.0	PVC	120.0	1.280	1,165.1	1.86
P-875(1)(1)	1,295	J-502	J-1668	16.0	PVC	120.0	0.100	662.9	1.06
P-875(1)(2)	343	J-1668	J-1413	16.0	PVC	120.0	0.350	353.8	0.56
P-875(2)(1)	456	J-1413	PRV-28	16.0	PVC	120.0	1.280	(N/A)	(N/A)
P-875(2)(2)	159	PRV-28	J-327	16.0	PVC	120.0	1.280	(N/A)	(N/A)
P-877(1)(1)	1,321	J-502	J-1734	16.0	PVC	120.0	0.350	1,033.7	1.65
P-877(1)(2)	1,214	J-1734	J-1399	16.0	PVC	120.0	0.350	1,033.7	1.65
P-877(2)(1)	1,285	J-1399	J-1669	12.0	PVC	120.0	0.350	554.4	1.57
P-877(2)(2)	2,354	J-1669	J-496	12.0	PVC	120.0	1.280	554.4	1.57
P-889	51	J-507	J-250	12.0	PVC	120.0	0.000	1,088.3	3.09
P-890	13	J-507	T-28	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-891	21	R-16	PMP-24	16.0	PVC	120.0	0.000	0.0	0.00
P-892	30	PMP-24	Medina Valley	16.0	PVC	120.0	0.000	0.0	0.00
P-895	16	J-508	PMP-26	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-896	12	PMP-26	J-509	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-897	26	J-508	PMP-27	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-898	18	PMP-27	J-509	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-903	13	J-509	J-507	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-904	14	Medina Valley	J-508	16.0	PVC	120.0	0.000	1,088.3	1.74
P-905	11	J-508	PMP-25	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-907	16	PMP-25	J-509	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-908(1)	731	J-238	J-1416	12.0	PVC	120.0	0.000	203.8	0.58
P-908(2)	771	J-1416	J-250	12.0	PVC	120.0	0.000	609.8	1.73
P-910(1)	142	J-507	PRV-30	16.0	PVC	120.0	0.800	(N/A)	(N/A)
P-910(2)	203	PRV-30	J-235	16.0	PVC	120.0	0.800	(N/A)	(N/A)
P-927	13	J-507	T-29	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-932	230	Alsatian Oaks	J-875	36.0	PVC	120.0	0.750	2,955.8	0.93
P-934	184	R-19	Alsatian Oaks	36.0	PVC	120.0	0.000	0.0	0.00
P-1271	605	J-493	J-1116	16.0	PVC	120.0	0.300	0.0	0.00
P-1424	14	J-509	J-1224	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1425	10	J-1224	T-28	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1426	11	J-1224	T-29	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1447(1)(1)	1,242	J-1236	J-1277	16.0	PVC	120.0	0.350	638.9	1.02
P-1447(1)(2)(1)	1,471	J-1277	J-1314	16.0	PVC	120.0	0.000	638.9	1.02
P-1447(1)(2)(2)	1,097	J-1314	J-1274	16.0	PVC	120.0	0.000	100.1	0.16
P-1447(2)(1)	1,282	J-1274	J-1714	16.0	PVC	120.0	0.000	100.1	0.16
P-1447(2)(2)	173	J-1714	J-481	16.0	PVC	120.0	0.000	100.1	0.16
P-1451	729	J-478	J-1241	16.0	PVC	120.0	0.000	245.1	0.39
P-1452	1,313	J-1241	J-1242	16.0	PVC	120.0	0.500	245.1	0.39
P-1462(1)	1,636	J-1242	J-1358	16.0	PVC	120.0	0.350	645.9	1.03
P-1471(1)(1)(1)	1,865	J-479	J-1311	16.0	PVC	120.0	0.500	884.5	1.41
P-1472(1)(1)	1,422	J-506	J-1308	16.0	PVC	120.0	0.000	1,568.4	2.50
P-1472(1)(2)(1)	890	J-1308	J-1313	16.0	PVC	120.0	0.000	1,899.6	3.03
P-1472(1)(2)(2)	282	J-1313	J-1303	16.0	PVC	120.0	0.000	1,297.9	2.07
P-1484(1)	3,046	J-1262	J-1359	16.0	PVC	120.0	0.500	523.9	0.84
P-1484(2)(1)	1,066	J-1359	J-1663	16.0	PVC	120.0	0.350	371.2	0.59
P-1484(2)(2)	1,197	J-1663	J-1244	16.0	PVC	120.0	1.280	371.2	0.59
P-1487(1)(1)(1)	3,263	J-1276	J-1634	16.0	PVC	120.0	1.280	605.4	0.97
P-1487(1)(1)(2)	1,770	J-1634	J-1306	16.0	PVC	120.0	0.350	(N/A)	(N/A)
P-1487(1)(2)	736	J-1306	PRV-15	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1487(2)	2,562	PRV-15	J-1277	16.0	PVC	120.0	1.280	(N/A)	(N/A)
P-1488(1)	1,690	J-1276	J-1389	16.0	PVC	120.0	0.000	277.4	0.44
P-1490	1,192	J-1244	J-1280	16.0	PVC	120.0	0.800	359.3	0.57
P-1491(1)	1,685	J-1280	J-1357	16.0	PVC	120.0	0.800	359.3	0.57
P-1493	37	City Tank	J-392	36.0	PVC	120.0	0.000	441.8	0.14
P-1495(1)(1)(1)	620	J-1286	J-1385	16.0	PVC	120.0	0.000	535.3	0.85
P-1495(1)(1)(2)	437	J-1385	J-1384	16.0	PVC	120.0	0.050	695.9	1.11
P-1495(1)(2)	337	J-1384	J-1380	16.0	PVC	120.0	0.050	695.9	1.11
P-1495(2)(1)	289	J-1380	J-1381	16.0	PVC	120.0	0.000	695.9	1.11
P-1495(2)(2)(1)(2)	1,559	J-1383	J-1382	16.0	PVC	120.0	0.000	888.4	1.42
P-1495(2)(2)(2)	1,307	J-1382	J-905	16.0	PVC	120.0	0.050	983.2	1.57
P-1503	1,658	J-1295	J-480	16.0	PVC	120.0	1.280	970.1	1.55
P-1512(1)	823	J-1311	PRV-39	16.0	PVC	120.0	0.750	(N/A)	(N/A)
P-1512(2)	1,498	PRV-39	J-1312	16.0	PVC	120.0	0.750	(N/A)	(N/A)
P-1516	1,281	J-1244	J-1243	16.0	PVC	120.0	0.350	11.8	0.02
P-1517	1,610	J-1262	J-1302	16.0	PVC	120.0	0.000	786.1	1.25
P-1518	4,099	J-480	J-506	16.0	PVC	120.0	0.750	1,107.2	1.77
P-1519	2,636	J-1276	J-1275	16.0	PVC	120.0	0.350	328.0	0.52
P-1533	1,864	J-1330	J-1331	12.0	PVC	120.0	0.000	377.9	1.07
P-1534	836	J-150	J-1330	12.0	PVC	120.0	0.800	377.9	1.07
P-1535	1,182	J-1318	J-1332	8.0	PVC	120.0	1.280	161.5	1.03
P-1536(1)	474	J-1326	J-1407	12.0	PVC	120.0	0.000	664.2	1.88
P-1536(2)	3,644	J-1407	J-1333	12.0	PVC	120.0	0.350	581.4	1.65
P-1537	2,317	J-1333	J-495	12.0	PVC	120.0	1.280	99.5	0.28
P-1538	2,154	J-1334	J-1335	8.0	PVC	120.0	1.280	259.4	1.66
P-1539	1,535	J-1336	J-1337	12.0	PVC	120.0	0.750	301.3	0.85

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-1541	891	J-1262	J-1339	16.0	PVC	120.0	0.750	262.2	0.42
P-1543(1)	1,491	J-499	J-1343	8.0	PVC	120.0	1.280	78.2	0.50
P-1545	643	J-306	J-1344	8.0	PVC	120.0	1.280	24.4	0.16
P-1547	509	J-1346	J-1347	8.0	PVC	120.0	1.280	89.0	0.57
P-1549	839	J-464	J-1350	8.0	PVC	120.0	0.500	31.3	0.20
P-1550	2,349	J-463	J-1351	12.0	PVC	120.0	1.280	306.4	0.87
P-1551	686	J-1336	J-1354	8.0	PVC	120.0	0.000	81.4	0.52
P-1552(1)	1,088	J-1259	J-1355	16.0	PVC	120.0	0.000	251.3	0.40
P-1552(2)	1,627	J-1355	J-1254	16.0	PVC	120.0	0.350	296.6	0.47
P-1553(1)	2,003	J-1355	J-1636	16.0	PVC	120.0	1.280	547.9	0.87
P-1553(2)	1,003	J-1636	J-1356	16.0	PVC	120.0	0.800	547.9	0.87
P-1554(2)	1,272	J-1391	J-1358	16.0	PVC	120.0	1.280	349.4	0.56
P-1555(1)	3,227	J-1259	J-1657	16.0	PVC	120.0	0.800	251.3	0.40
P-1555(2)(1)	859	J-1657	J-1662	16.0	PVC	120.0	0.500	444.2	0.71
P-1555(2)(2)	853	J-1662	J-1243	16.0	PVC	120.0	1.280	444.2	0.71
P-1556	3,213	J-1254	J-1358	16.0	PVC	120.0	0.800	296.6	0.47
P-1557	784	J-1359	J-1360	16.0	PVC	120.0	1.280	152.7	0.24
P-1566	2,413	J-1243	J-1242	16.0	PVC	120.0	0.350	432.3	0.69
P-1567	2,072	J-1302	J-1311	16.0	PVC	120.0	0.000	1,002.3	1.60
P-1571	2,039	J-1295	J-1373	16.0	PVC	120.0	0.750	618.7	0.99
P-1572	1,896	J-1295	J-1374	16.0	PVC	120.0	0.000	351.4	0.56
P-1573	814	J-1376	J-1377	8.0	PVC	120.0	1.280	56.6	0.36
P-1575	362	J-1286	J-1386	16.0	PVC	120.0	0.000	535.3	0.85
P-1578	5,426	J-1242	J-1311	16.0	PVC	120.0	0.750	833.2	1.33
P-1579	453	J-1392	J-1393	8.0	PVC	120.0	1.280	167.4	1.07
P-1581	1,125	J-1399	J-1400	12.0	PVC	120.0	1.280	479.3	1.36
P-1582	1,287	J-1402	J-1403	12.0	PVC	120.0	1.280	0.0	0.00
P-1583	618	J-1405	J-1406	12.0	PVC	120.0	1.280	252.1	0.72
P-1584	497	J-1407	J-1408	8.0	PVC	120.0	1.280	82.8	0.53
P-1585	241	J-1409	J-1410	12.0	PVC	120.0	0.500	63.2	0.18
P-1586	354	J-1411	J-1412	8.0	PVC	120.0	1.280	358.1	2.29
P-1587	227	J-1413	J-1414	8.0	PVC	120.0	1.280	353.8	2.26
P-1590	673	J-1416	J-1417	8.0	PVC	120.0	0.000	406.0	2.59
P-1591	1,405	J-1333	J-1418	12.0	PVC	120.0	0.350	680.9	1.93
P-1595	896	J-1116	J-1423	16.0	PVC	120.0	0.100	0.0	0.00
P-1596	33	J-652	J-655	16.0	PVC	120.0	0.350	376.6	0.60
P-1597(1)(1)	625	J-1423	PRV-36	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1597(1)(2)	754	PRV-36	J-1691	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1597(2)	1,537	J-1691	J-1425	16.0	PVC	120.0	0.000	225.1	0.36
P-1598	1,903	J-1425	J-1426	16.0	PVC	120.0	0.300	225.1	0.36
P-1599	1,107	J-1426	J-1427	12.0	PVC	120.0	0.300	87.9	0.25
P-1600	1,101	J-1427	J-1428	12.0	PVC	120.0	0.000	87.9	0.25
P-1601	1,057	J-1428	J-1429	12.0	PVC	120.0	0.300	87.9	0.25
P-1602	546	J-1429	J-1430	8.0	PVC	120.0	0.000	87.9	0.56
P-1603	406	J-1430	J-1431	8.0	PVC	120.0	0.350	87.9	0.56
P-1616	906	J-464	J-208	8.0	PVC	120.0	0.300	94.0	0.60
P-1617	909	J-463	J-464	8.0	PVC	120.0	0.350	62.7	0.40
P-1617	690	J-655	J-1446	16.0	PVC	120.0	1.280	73.6	0.12
P-1617	1,207	J-1699	J-1692	16.0	PVC	120.0	1.280	182.6	0.29
P-1618	293	J-1386	J-463	16.0	PVC	120.0	0.000	265.8	0.42
P-1618	890	J-1446	J-1447	16.0	PVC	120.0	0.100	73.6	0.12
P-1619	220	J-1293	J-1386	8.0	PVC	120.0	0.000	269.6	1.72
P-1619(1)	94	J-1447	J-1464	16.0	PVC	120.0	0.000	73.6	0.12
P-1619(2)	144	J-1464	J-1448	16.0	PVC	120.0	0.050	73.6	0.12
P-1620	253	J-462	J-1293	8.0	PVC	120.0	0.000	269.6	1.72
P-1620	327	J-1448	J-1449	16.0	PVC	120.0	0.050	73.6	0.12
P-1621	802	J-486	J-462	8.0	PVC	120.0	0.300	269.6	1.72
P-1621(1)	270	J-1449	J-1465	16.0	PVC	120.0	0.500	73.6	0.12
P-1621(2)	227	J-1465	J-1450	16.0	PVC	120.0	0.000	173.4	0.28
P-1622	555	J-455	J-486	6.0	PVC	120.0	0.000	11.0	0.13
P-1622(1)	178	J-1450	J-1468	16.0	PVC	120.0	0.000	173.4	0.28
P-1622(2)	146	J-1468	J-1451	16.0	PVC	120.0	0.350	173.4	0.28
P-1623	102	J-455	J-456	6.0	PVC	120.0	0.000	11.0	0.13
P-1623	94	J-1451	J-1452	16.0	PVC	120.0	0.000	173.4	0.28
P-1624	306	J-456	J-465	4.0	PVC	120.0	0.200	11.0	0.28
P-1624	132	J-1452	J-1453	16.0	PVC	120.0	0.000	173.4	0.28
P-1625	377	J-465	J-448	4.0	PVC	120.0	0.000	6.4	0.16
P-1625(1)	1,153	J-1453	J-1471	16.0	PVC	120.0	0.000	173.4	0.28
P-1625(2)	255	J-1471	J-1454	16.0	PVC	120.0	0.100	173.4	0.28
P-1626	271	J-448	J-466	4.0	PVC	120.0	0.000	6.4	0.16
P-1627	345	J-466	J-458	4.0	PVC	120.0	0.350	6.4	0.16
P-1628	357	J-458	J-468	3.0	PVC	120.0	0.000	3.7	0.17
P-1628	172	J-1454	J-1457	16.0	PVC	120.0	0.500	173.4	0.28
P-1629	1,046	J-1457	J-1458	16.0	PVC	120.0	0.750	983.2	1.57
P-1630	369	J-468	J-460	3.0	PVC	120.0	0.000	3.7	0.17
P-1630	877	J-1458	J-1459	16.0	PVC	120.0	0.000	983.2	1.57
P-1631	313	J-460	J-461	2.0	PVC	120.0	0.800	3.7	0.38
P-1631	793	J-1459	J-905	16.0	PVC	120.0	0.050	983.2	1.57
P-1632	250	J-458	J-459	2.0	PVC	120.0	1.280	2.8	0.28
P-1633	390	J-188	J-234	10.0	PVC	120.0	0.000	131.5	0.54
P-1634	419	J-501	J-303	6.0	PVC	120.0	0.500	41.3	0.47
P-1635	489	J-651	J-236	16.0	PVC	120.0	0.300	376.6	0.60
P-1636	172	J-655	J-328	16.0	PVC	120.0	0.000	303.0	0.48
P-1636	458	J-1465	J-1466	8.0	PVC	120.0	0.750	134.8	0.86
P-1637	122	J-870	J-335	16.0	PVC	120.0	0.000	176.6	0.28
P-1651	304	J-1457	J-1483	16.0	PVC	120.0	0.050	702.4	1.12

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-1652	362	J-1483	J-1484	16.0	PVC	120.0	0.050	702.4	1.12
P-1653	385	J-1484	J-1485	16.0	PVC	120.0	0.050	702.4	1.12
P-1654	275	J-1485	J-1486	16.0	PVC	120.0	0.500	702.4	1.12
P-1654(1)	382	J-1498	J-1484	12.0	PVC	120.0	0.350	0.0	0.00
P-1654(2)	609	J-1498	J-1485	12.0	PVC	120.0	0.000	0.0	0.00
P-1655	254	J-1486	J-1487	16.0	PVC	120.0	0.100	0.0	0.00
P-1655	183	J-1709	J-1498	12.0	PVC	120.0	1.280	6.0	0.02
P-1656	188	J-1487	J-488	16.0	PVC	120.0	0.350	0.0	0.00
P-1662	504	J-1457	J-1494	16.0	PVC	120.0	0.050	454.2	0.72
P-1663	486	J-1494	J-1495	16.0	PVC	120.0	0.050	454.2	0.72
P-1664	508	J-1495	J-1496	16.0	PVC	120.0	0.000	454.2	0.72
P-1665(1)	232	J-1496	J-1513	16.0	PVC	120.0	0.300	454.2	0.72
P-1665(2)	732	J-1513	J-1497	16.0	PVC	120.0	0.000	187.7	0.30
P-1666	566	J-1497	J-2022	16.0	PVC	120.0	0.000	187.7	0.30
P-1667	771	J-2022	J-1499	16.0	PVC	120.0	0.500	187.7	0.30
P-1668	846	J-1499	J-1500	16.0	PVC	120.0	0.000	199.8	0.32
P-1669(1)	256	J-1500	J-1507	16.0	PVC	120.0	0.000	199.8	0.32
P-1669(2)	332	J-1507	J-1501	16.0	PVC	120.0	0.000	199.8	0.32
P-1670	520	J-1501	J-1502	16.0	PVC	120.0	0.050	199.8	0.32
P-1671	318	J-1502	J-1503	16.0	PVC	120.0	0.050	199.8	0.32
P-1672(1)	131	J-1503	J-1519	16.0	PVC	120.0	0.500	199.8	0.32
P-1672(2)	305	J-1519	J-1504	16.0	PVC	120.0	0.050	119.3	0.19
P-1673	490	J-1504	J-1505	16.0	PVC	120.0	0.050	119.3	0.19
P-1674(1)	174	J-1505	J-1525	16.0	PVC	120.0	0.000	119.3	0.19
P-1674(2)	286	J-1525	J-1506	16.0	PVC	120.0	1.280	119.3	0.19
P-1678	723	J-1499	J-1511	8.0	PVC	120.0	0.750	110.7	0.71
P-1679	654	J-1499	J-1512	8.0	PVC	120.0	0.000	98.7	0.63
P-1680(1)	393	J-1513	J-1517	16.0	PVC	120.0	0.500	1,079.6	1.72
P-1680(2)	646	J-1517	J-1514	16.0	PVC	120.0	0.000	1,079.6	1.72
P-1681	841	J-1514	J-1515	16.0	PVC	120.0	0.000	1,374.3	2.19
P-1685	349	J-1519	J-1521	8.0	PVC	120.0	0.000	40.3	0.26
P-1687	362	J-1519	J-1523	8.0	PVC	120.0	0.750	40.3	0.26
P-1704(1)	159	J-1116	PRV-31	12.0	PVC	120.0	0.500	(N/A)	(N/A)
P-1704(2)	199	PRV-31	J-1540	12.0	PVC	120.0	0.500	(N/A)	(N/A)
P-1705	614	J-1540	J-1541	12.0	PVC	120.0	0.050	176.9	0.50
P-1706(1)	190	J-1541	J-1559	12.0	PVC	120.0	0.000	176.9	0.50
P-1706(2)	544	J-1559	J-1542	12.0	PVC	120.0	0.500	1.8	0.01
P-1707	410	J-1542	J-1543	12.0	PVC	120.0	0.500	839.7	2.38
P-1708(1)	115	J-1543	J-1557	12.0	PVC	120.0	0.000	839.7	2.38
P-1708(2)	445	J-1557	J-1544	12.0	PVC	120.0	0.000	839.7	2.38
P-1709(1)	251	J-1544	J-1554	12.0	PVC	120.0	0.000	839.7	2.38
P-1709(2)	311	J-1554	J-1545	12.0	PVC	120.0	0.500	664.7	1.89
P-1710(1)	94	J-1545	J-1551	12.0	PVC	120.0	0.050	664.7	1.89
P-1710(2)	103	J-1551	J-1546	12.0	PVC	120.0	0.050	664.7	1.89
P-1711	328	J-1546	J-1547	12.0	PVC	120.0	0.050	664.7	1.89
P-1712	172	J-1547	J-1548	12.0	PVC	120.0	0.000	664.7	1.89
P-1713	183	J-1548	J-1549	12.0	PVC	120.0	0.100	664.7	1.89
P-1714	202	J-1549	J-1550	12.0	PVC	120.0	0.100	664.7	1.89
P-1715	403	J-1550	J-1326	12.0	PVC	120.0	0.750	664.7	1.89
P-1721	510	J-1559	J-1560	8.0	PVC	120.0	0.000	87.5	0.56
P-1722	599	J-1559	J-1561	8.0	PVC	120.0	0.750	87.5	0.56
P-1723	924	J-1013	J-1562	8.0	PVC	120.0	0.750	149.5	0.95
P-1729	571	J-1573	J-1574	8.0	PVC	120.0	0.750	149.5	0.95
P-1730	545	J-1573	J-1575	8.0	PVC	120.0	0.000	149.5	0.95
P-1732	483	J-1326	J-1577	16.0	PVC	120.0	0.000	586.9	0.94
P-1733	3,069	J-1577	J-1578	16.0	PVC	120.0	0.300	586.9	0.94
P-1734	2,082	J-1578	J-1579	16.0	PVC	120.0	0.000	176.3	0.28
P-1735	1,454	J-1579	J-1580	16.0	PVC	120.0	0.300	176.3	0.28
P-1747	1,039	J-1426	J-1594	16.0	PVC	120.0	0.500	137.1	0.22
P-1748	1,631	J-1594	J-1595	16.0	PVC	120.0	0.000	137.1	0.22
P-1749	1,358	J-1595	J-1596	16.0	PVC	120.0	0.000	757.7	1.21
P-1750(1)	2,438	J-1596	J-1602	24.0	PVC	120.0	0.750	1,155.2	0.82
P-1750(2)(1)	1,137	J-1602	J-1638	24.0	PVC	120.0	1.280	1,875.6	1.33
P-1750(2)(2)(1)	121	J-1638	J-1716	24.0	PVC	120.0	0.000	1,875.6	1.33
P-1750(2)(2)(2)	1,215	J-1716	J-1597	24.0	PVC	120.0	0.000	1,875.6	1.33
P-1751(1)(1)(1)	389	J-482	PRV-34	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1751(1)(1)(2)	1,474	PRV-34	J-1692	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1751(1)(2)	848	J-1692	J-1601	16.0	PVC	120.0	0.000	225.1	0.36
P-1751(2)	2,407	J-1601	J-1596	16.0	PVC	120.0	0.500	225.1	0.36
P-1752(1)	2,306	J-1596	J-1600	8.0	PVC	120.0	0.000	172.5	1.10
P-1754(1)(1)	163	J-1427	PRV-33	12.0	PVC	120.0	0.500	(N/A)	(N/A)
P-1754(1)(2)(1)	1,605	PRV-33	J-1729	12.0	PVC	120.0	0.500	(N/A)	(N/A)
P-1754(1)(2)(2)	2,585	J-1729	J-1604	12.0	PVC	120.0	0.500	250.3	0.71
P-1754(2)(1)	3,432	J-1604	J-1628	16.0	PVC	120.0	0.500	501.0	0.80
P-1754(2)(2)	2,390	J-1628	J-1580	16.0	PVC	120.0	1.280	176.3	0.28
P-1756	1,353	J-256	J-1542	12.0	PVC	120.0	0.750	9.9	0.03
P-1757(1)(1)	1,954	J-1542	J-1690	16.0	PVC	120.0	0.500	847.8	1.35
P-1757(1)(2)	1,452	J-1690	J-1631	16.0	PVC	120.0	0.500	2,105.6	3.36
P-1757(2)	2,772	J-1631	J-1604	16.0	PVC	120.0	0.750	1,103.2	1.76
P-1782	1,669	J-1628	J-1630	16.0	PVC	120.0	1.280	677.3	1.08
P-1783	1,647	J-1631	J-1632	12.0	PVC	120.0	0.750	479.7	1.36
P-1784	1,267	J-1631	J-1633	12.0	PVC	120.0	0.000	522.7	1.48
P-1785(1)	1,421	J-1597	J-1315	24.0	PVC	120.0	0.000	1,875.6	1.33
P-1785(2)	1,302	J-1315	J-1634	24.0	PVC	120.0	1.280	2,624.5	1.86
P-1786(1)	2,369	J-481	PRV-19	16.0	PVC	120.0	1.280	(N/A)	(N/A)
P-1786(2)	2,738	PRV-19	J-1638	16.0	PVC	120.0	1.280	(N/A)	(N/A)

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-1787	632	J-495	J-1639	12.0	PVC	120.0	0.750	259.0	0.73
P-1788	619	J-1418	J-1640	8.0	PVC	120.0	0.800	275.1	1.76
P-1789	782	J-1578	J-1641	12.0	PVC	120.0	0.500	410.5	1.16
P-1790	1,492	J-1604	J-1642	12.0	PVC	120.0	0.000	351.9	1.00
P-1792	713	J-1431	J-1644	8.0	PVC	120.0	0.000	87.9	0.56
P-1793	495	J-1554	J-1645	8.0	PVC	120.0	0.000	87.5	0.56
P-1794	441	J-1554	J-1646	8.0	PVC	120.0	0.750	87.5	0.56
P-1795	639	J-1013	J-1648	8.0	PVC	120.0	0.000	159.6	1.02
P-1796	516	J-1465	J-1649	8.0	PVC	120.0	0.000	35.0	0.22
P-1797	564	J-1486	J-1650	8.0	PVC	120.0	0.750	181.5	1.16
P-1798	552	J-1486	J-1651	16.0	PVC	120.0	0.000	883.9	1.41
P-1799	358	J-1515	J-875	24.0	PVC	120.0	0.000	2,439.6	1.73
P-1802	680	J-332	J-1415	8.0	PVC	120.0	1.280	49.8	0.32
P-1804	1,288	J-1391	J-1657	16.0	PVC	120.0	0.000	79.8	0.13
P-1805	2,414	J-1657	J-1357	16.0	PVC	120.0	0.750	113.1	0.18
P-1807	222	J-1381	J-1664	16.0	PVC	120.0	0.750	695.9	1.11
P-1808	154	J-1664	J-1383	16.0	PVC	120.0	0.050	888.4	1.42
P-1809(1)	558	J-1326	J-1674	12.0	PVC	120.0	0.500	586.4	1.66
P-1809(2)	689	J-1674	J-1673	12.0	PVC	120.0	0.350	586.4	1.66
P-1810	274	J-1673	J-243	12.0	PVC	120.0	0.300	586.4	1.66
P-1812	74	J-1313	U Tank 2	36.0	PVC	120.0	0.000	3,197.5	1.01
P-1818	594	J-478	J-1681	16.0	PVC	120.0	0.000	627.8	1.00
P-1819	4,706	J-1681	J-479	16.0	PVC	120.0	0.000	627.8	1.00
P-1820	1,657	J-479	J-484	16.0	PVC	120.0	0.000	256.7	0.41
P-1822	682	J-318	J-1683	12.0	PVC	120.0	1.280	56.6	0.16
P-1823	251	U Tank 1	J-1311	36.0	PVC	120.0	0.000	3,059.9	0.96
P-1823	564	J-216	J-1685	8.0	PVC	120.0	0.800	64.1	0.41
P-1824	128	R-25	U Tank 1	36.0	PVC	120.0	0.000	461,668.8	145.52
P-1824	380	J-1685	J-1686	8.0	PVC	120.0	0.200	64.1	0.41
P-1825	297	J-1686	J-1687	8.0	PVC	120.0	0.050	64.1	0.41
P-1826	123	J-1687	J-1475	8.0	PVC	120.0	0.100	64.1	0.41
P-1827	519	J-1475	J-1707	8.0	PVC	120.0	0.800	88.9	0.57
P-1828	304	U Tank 3	J-1634	36.0	PVC	120.0	0.000	3,229.8	1.02
P-1828	285	J-1707	J-325	8.0	PVC	120.0	0.350	88.9	0.57
P-1829	272	R-28	U Tank 3	36.0	PVC	120.0	0.000	293,301.3	92.45
P-1830	1,302	J-1691	J-1513	16.0	PVC	120.0	0.000	437.6	0.70
P-1831	1,151	J-1692	J-1691	16.0	PVC	120.0	0.500	182.6	0.29
P-1833	1,850	J-1312	J-1687	12.0	PVC	120.0	0.000	137.1	0.39
P-1835	1,767	J-1691	J-1512	12.0	PVC	120.0	0.000	85.3	0.24
P-1836	2,260	J-1511	J-1514	12.0	PVC	120.0	0.000	294.7	0.84
P-1837	1,205	J-1649	J-1691	12.0	PVC	120.0	0.750	169.7	0.48
P-1838	1,297	J-252	J-1540	16.0	PVC	120.0	0.000	176.9	0.28
P-1838(1)	1,756	J-1690	J-1694	24.0	PVC	120.0	0.000	2,953.5	2.09
P-1838(2)(1)	576	J-1694	PRV-32	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1838(2)(2)	270	PRV-32	J-1691	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1839	5,053	J-1691	J-1692	16.0	PVC	120.0	0.000	225.1	0.36
P-1842	179	J-1694	U Tank 4	36.0	PVC	120.0	0.000	2,953.5	0.93
P-1843	203	U Tank 4	R-29	36.0	PVC	120.0	0.000	370,234.4	116.70
P-1844	1,306	J-484	J-1397	12.0	PVC	120.0	0.000	256.7	0.73
P-1845(1)	1,110	J-502	J-1732	24.0	PVC	120.0	0.000	2,861.7	2.03
P-1845(2)	390	J-1732	J-258	24.0	PVC	120.0	0.000	2,861.7	2.03
P-1846	91	Airport GST	J-1696	24.0	PVC	120.0	0.000	3,548.3	2.52
P-1847	99	J-1696	J-391	24.0	PVC	120.0	0.000	3,548.3	2.52
P-1849	31	J-508	J-507	16.0	PVC	120.0	0.000	1,088.3	1.74
P-1865	1,253	J-309	J-991	8.0	PVC	120.0	0.000	64.5	0.41
P-1867	1,782	J-1515	J-1651	16.0	PVC	120.0	0.000	1,065.3	1.70
P-1868	3,631	J-1303	J-1314	16.0	PVC	120.0	0.000	1,297.9	2.07
P-1869	1,662	J-1729	J-1643	12.0	PVC	120.0	0.000	250.3	0.71
P-1870	2,568	J-506	J-1379	16.0	PVC	120.0	0.000	262.2	0.42
P-1871	1,684	J-1294	J-1295	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1872(1)	1,315	J-1379	PRV-41	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1872(2)	4	PRV-41	J-1378	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1877	635	J-1648	J-1668	12.0	PVC	120.0	0.000	309.1	0.88
P-1900	59	R-26	U Tank 2	36.0	PVC	120.0	0.000	680,816.3	214.59
Polyline	725	J-1395	J-1394	8.0	PVC	120.0	1.280	57.0	0.36
Polyline(2)(1)(1)(1)	89	J-488	PRV-40	16.0	PVC	120.0	0.000	(N/A)	(N/A)
Polyline(2)(1)(1)(2)	501	PRV-40	J-1294	16.0	PVC	120.0	0.000	(N/A)	(N/A)

FlexTable: Junction Table

Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-2	868.92	0.0	930.89	26.8
J-3	756.96	0.0	930.99	75.3
J-4	753.28	0.0	930.99	76.9
J-5	754.47	4.1	930.97	76.4
J-6	752.64	0.0	930.83	77.1
J-7	754.00	5.5	930.68	76.4
J-9	756.71	0.0	930.62	75.2
J-10	757.33	5.1	930.60	75.0
J-11	737.39	0.0	930.83	83.7
J-12	756.69	12.9	931.02	75.4
J-13	774.11	0.0	931.02	67.9
J-14	756.47	0.0	931.00	75.5
J-15	757.63	0.0	931.00	75.0
J-16	758.80	0.0	931.00	74.5
J-17	762.03	0.0	931.04	73.1
J-18	769.12	0.0	930.86	70.0
J-19	782.35	14.3	930.73	64.2
J-20	780.09	8.3	930.61	65.1
J-21	774.31	0.0	930.56	67.6
J-22	773.51	17.0	930.52	67.9
J-23	773.00	0.0	930.49	68.1
J-24	772.00	7.4	930.46	68.6
J-25	770.80	5.1	930.44	69.1
J-26	756.00	0.0	930.83	75.6
J-27	757.00	12.4	930.83	75.2
J-28	760.87	0.0	930.83	73.5
J-29	766.90	9.2	930.81	70.9
J-30	907.43	0.0	932.00	10.6
J-31	779.79	0.0	931.18	65.5
J-32	764.44	0.0	931.10	72.1
J-33	759.68	0.0	931.00	74.1
J-34	756.23	0.0	930.68	75.5
J-36	757.00	0.0	930.53	75.1
J-37	758.00	0.0	930.36	74.6
J-38	759.34	7.8	930.22	73.9
J-39	761.11	0.0	930.12	73.1
J-40	756.24	6.0	930.61	75.4
J-41	757.00	0.0	930.61	75.1
J-42	757.00	0.0	930.61	75.1
J-43	762.38	13.8	930.61	72.8
J-45	755.84	6.9	930.62	75.6
J-48	756.66	3.2	930.59	75.3
J-50	757.01	0.0	930.59	75.1
J-51	782.22	0.0	930.89	64.3
J-52	791.57	8.3	931.02	60.3
J-53	756.81	5.5	930.52	75.2
J-54	757.00	0.0	930.45	75.0
J-55	758.00	0.0	930.38	74.6
J-58	760.00	0.0	930.33	73.7
J-59	761.00	11.5	930.27	73.2
J-60	760.84	0.0	929.50	73.0
J-61	757.84	0.0	930.36	74.6
J-62	756.87	0.0	930.52	75.1
J-63	759.00	0.0	930.48	74.2
J-65	757.00	0.0	930.61	75.1
J-66	784.61	0.0	930.73	63.2
J-68	807.49	1.4	930.60	53.3
J-69	811.45	0.0	930.60	51.6
J-71	789.74	0.0	930.57	60.9
J-72	764.83	24.8	930.52	71.7
J-73	761.00	0.0	930.48	73.3
J-74	760.00	0.0	930.40	73.7
J-75	760.00	0.0	930.34	73.7
J-79	762.45	0.0	930.55	72.7
J-80	766.50	0.0	930.52	71.0
J-81	761.13	0.0	930.51	73.3
J-82	759.74	0.0	930.41	73.8
J-83	760.00	16.1	930.34	73.7
J-84	760.00	0.0	930.34	73.7
J-85	762.11	16.6	930.32	72.8
J-86	761.50	0.0	930.31	73.0
J-88	760.85	0.0	930.33	73.3
J-89	762.38	0.0	930.31	72.7
J-90	762.67	(N/A)	(N/A)	(N/A)
J-92	762.00	0.0	930.31	72.8
J-93	762.27	3.7	930.31	72.7
J-94	761.00	0.0	930.31	73.3
J-95	761.13	3.7	930.31	73.2
J-96	738.68	0.0	930.31	82.9
J-97	761.64	0.0	930.31	73.0
J-98	763.00	0.0	930.33	72.4
J-99	764.00	0.0	930.33	72.0
J-100	764.00	0.0	930.33	72.0
J-101	764.03	0.0	930.33	72.0
J-102	760.79	0.0	930.35	73.4
J-103	761.63	19.3	930.34	73.0

FlexTable: Junction Table

Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-104	760.95	0.0	930.34	73.3
J-105	764.00	5.1	930.33	72.0
J-106	783.65	11.0	993.60	90.8
J-107	786.75	0.0	993.60	89.5
J-109	765.72	0.0	930.37	71.2
J-110	765.00	7.8	930.36	71.5
J-111	763.23	0.0	930.35	72.3
J-112	764.26	6.4	930.34	71.9
J-113	763.00	0.0	930.38	72.4
J-114	762.00	0.0	930.36	72.8
J-115	763.22	0.0	930.36	72.3
J-116	765.00	0.0	930.36	71.5
J-117	765.45	0.0	930.36	71.3
J-118	765.00	0.0	930.37	71.5
J-119	762.87	0.0	930.37	72.5
J-120	765.86	12.0	930.36	71.2
J-121	804.38	0.0	930.46	54.6
J-122	783.85	0.0	930.46	63.4
J-123	783.85	0.0	930.46	63.4
J-124	766.00	9.7	930.39	71.1
J-125	765.00	0.0	930.39	71.6
J-126	763.00	0.0	930.38	72.4
J-127	764.12	0.0	930.37	71.9
J-129	764.87	3.2	930.40	71.6
J-130	780.79	0.0	930.45	64.8
J-131	780.16	0.0	930.45	65.0
J-132	790.00	0.0	930.45	60.8
J-133	788.00	7.4	1,028.84	104.2
J-134	789.10	0.0	1,028.84	103.7
J-135	792.83	0.0	1,028.84	102.1
J-136	814.48	0.0	1,028.85	92.7
J-137	826.14	0.0	1,028.87	87.7
J-138	837.92	0.0	1,028.89	82.6
J-139	854.06	0.0	1,028.90	75.6
J-141	865.41	3.7	1,028.90	70.7
J-142	849.01	0.0	1,029.52	78.1
J-143	850.99	0.0	1,029.52	77.2
J-144	852.89	0.0	1,029.52	76.4
J-145	805.20	0.0	1,028.84	96.8
J-146	803.40	0.0	1,028.84	97.5
J-147	822.90	0.0	1,028.91	89.1
J-148	850.84	0.0	1,028.96	77.1
J-149	884.73	0.0	1,028.97	62.4
J-150	935.05	0.0	1,024.52	38.7
J-151	785.98	0.0	930.52	62.5
J-152	802.00	0.0	930.45	55.6
J-153	779.54	0.0	930.45	65.3
J-154	775.15	2.8	930.45	67.2
J-155	807.58	0.0	930.49	53.2
J-156	784.92	0.0	930.49	63.0
J-157	773.56	(N/A)	(N/A)	(N/A)
J-158	789.03	0.0	930.60	61.2
J-159	765.93	0.0	930.38	71.2
J-160	762.11	11.5	930.38	72.8
J-162	763.86	0.0	930.38	72.0
J-163	766.24	0.0	930.38	71.0
J-165	763.00	6.0	930.38	72.4
J-166	761.90	0.0	930.42	72.9
J-167	764.88	0.0	930.49	71.7
J-168	766.55	0.0	930.52	70.9
J-169	765.91	0.0	930.49	71.2
J-170	765.73	0.0	930.38	71.2
J-171	762.36	8.7	930.38	72.7
J-172	763.00	0.0	930.38	72.4
J-173	761.00	0.0	930.38	73.3
J-174	760.36	0.0	930.40	73.6
J-175	742.22	0.0	930.36	81.4
J-176	753.87	4.6	927.56	75.1
J-177	756.00	0.0	927.74	74.3
J-178	755.00	0.0	925.50	73.8
J-179	756.00	0.0	928.58	74.7
J-180	757.28	0.0	928.70	74.2
J-181	756.51	2.3	928.62	74.5
J-182	759.32	7.4	929.40	73.6
J-183	769.88	0.0	929.18	68.9
J-184	780.48	0.0	929.18	64.3
J-185	764.04	0.0	929.40	71.5
J-186	764.38	3.2	929.47	71.4
J-187	787.66	0.0	995.91	90.1
J-188	786.80	0.0	996.55	90.7
J-189	787.86	0.0	995.46	89.8
J-190	794.65	0.0	995.26	86.8
J-191	788.24	0.0	995.16	89.5
J-192	767.62	0.0	994.90	98.3
J-193	766.56	0.0	994.90	98.8
J-194	769.88	0.0	994.12	97.0

FlexTable: Junction Table

Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-196	769.96	0.0	994.14	97.0
J-197	766.35	0.0	994.84	98.9
J-198	766.22	0.0	994.89	98.9
J-199	765.97	0.0	994.89	99.0
J-200	765.07	0.9	994.90	99.4
J-201	763.00	0.0	994.90	100.3
J-202	766.71	0.0	994.90	98.7
J-203	784.40	0.0	994.25	90.8
J-204	784.30	0.0	994.28	90.8
J-205	785.00	0.0	994.24	90.5
J-206	777.79	0.0	994.01	93.5
J-207	783.05	0.0	993.86	91.2
J-208	796.75	0.0	993.27	85.0
J-209	789.80	3.7	993.60	88.2
J-210	770.11	0.0	993.60	96.7
J-211	795.05	0.0	993.60	85.9
J-212	785.16	0.0	994.25	90.5
J-213	784.19	5.5	994.25	90.9
J-214	784.00	6.0	994.43	91.0
J-215	782.38	0.0	994.59	91.8
J-216	781.47	0.0	994.69	92.2
J-217	784.00	1.4	994.25	91.0
J-218	783.00	3.2	994.43	91.5
J-219	782.00	2.8	994.58	92.0
J-221	782.43	6.4	994.40	91.7
J-222	781.43	0.0	994.49	92.2
J-223	777.49	0.0	995.39	94.3
J-224	779.13	0.0	995.71	93.7
J-225	780.95	0.0	996.04	93.1
J-226	781.68	0.0	996.26	92.8
J-227	783.10	12.4	996.65	92.4
J-228	783.73	2.8	994.40	91.1
J-229	782.78	2.8	994.49	91.6
J-230	780.52	5.1	995.39	93.0
J-231	787.09	5.5	995.71	90.3
J-232	792.98	5.1	996.04	87.9
J-233	784.52	0.0	996.26	91.6
J-234	785.73	3.7	996.61	91.2
J-235	772.34	1.8	997.60	97.5
J-236	778.00	0.0	997.37	94.9
J-237	768.50	0.0	997.54	99.1
J-238	770.53	0.0	930.77	69.3
J-239	769.23	2.8	930.33	69.7
J-240	767.53	0.0	930.33	70.4
J-241	763.05	0.0	928.53	71.6
J-242	762.97	0.0	927.98	71.4
J-243	759.76	0.0	926.12	72.0
J-250	769.68	0.0	931.79	70.1
J-251	767.29	0.0	930.70	70.7
J-252	770.05	0.0	929.75	69.1
J-253	767.63	0.0	929.94	70.2
J-254	766.80	4.6	929.88	70.6
J-255	765.00	0.0	929.88	71.3
J-256	765.00	0.0	929.61	71.2
J-257	762.83	24.4	929.87	72.3
J-258	771.60	0.0	931.08	69.0
J-259	769.94	0.0	931.08	69.7
J-260	769.58	0.0	931.33	70.0
J-261	761.47	0.0	931.33	73.5
J-262	759.41	0.0	931.33	74.4
J-263	761.00	0.9	931.33	73.7
J-264	761.00	0.0	931.33	73.7
J-265	760.27	0.0	931.33	74.0
J-266	757.85	0.0	930.68	74.8
J-267	760.91	1.4	993.97	100.8
J-268	764.86	0.0	930.52	71.7
J-269	802.53	0.0	1,028.85	97.9
J-270	814.36	0.0	1,028.89	92.8
J-271	817.10	12.0	1,028.88	91.6
J-272	830.89	9.7	1,028.89	85.7
J-273	854.25	0.0	1,028.93	75.6
J-274	932.55	6.4	1,024.94	40.0
J-276	907.96	0.0	1,026.99	51.5
J-277	867.37	0.0	1,029.29	70.1
J-278	848.29	6.9	1,028.96	78.2
J-279	832.40	0.0	1,028.93	85.0
J-280	808.19	11.0	1,028.84	95.5
J-281	800.67	3.7	1,028.84	98.7
J-282	826.29	3.2	1,029.96	88.1
J-283	807.55	0.0	930.52	53.2
J-284	798.34	11.5	930.49	57.2
J-285	794.20	0.0	930.46	59.0
J-286	791.55	10.6	930.45	60.1
J-287	770.97	0.0	930.42	69.0
J-288	769.75	0.0	930.43	69.5
J-289	802.32	6.0	930.59	55.5

FlexTable: Junction Table

Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-290	789.08	0.0	930.62	61.2
J-291	822.29	0.0	930.89	47.0
J-293	766.95	0.0	931.02	71.0
J-294	754.23	7.4	930.99	76.5
J-295	755.00	0.0	930.67	76.0
J-297	759.11	0.0	930.72	74.3
J-298	769.62	0.0	930.71	69.7
J-299	769.00	0.0	930.72	70.0
J-300	725.00	0.0	929.81	88.6
J-301	767.16	6.9	929.29	70.1
J-302	759.31	0.0	929.02	73.4
J-303	759.00	5.1	928.85	73.5
J-304	755.56	0.0	928.61	74.9
J-305	779.19	0.0	929.35	65.0
J-306	788.48	0.0	929.27	60.9
J-307	788.55	6.4	929.20	60.9
J-308	787.07	0.0	929.14	61.5
J-309	785.65	0.0	929.09	62.1
J-310	787.81	0.0	995.31	89.8
J-311	779.53	0.0	995.01	93.2
J-312	778.19	0.0	994.96	93.8
J-313	785.90	11.0	995.04	90.5
J-314	787.00	0.0	995.15	90.1
J-315	768.00	0.0	994.90	98.2
J-317	767.77	0.0	994.90	98.3
J-318	767.06	0.0	994.45	98.4
J-319	783.02	4.6	994.17	91.4
J-322	785.00	4.1	994.24	90.5
J-323	779.72	6.4	994.61	93.0
J-324	778.17	6.0	994.85	93.7
J-325	776.29	3.2	995.07	94.7
J-326	781.97	1.8	996.97	93.0
J-327	777.41	6.4	997.23	95.1
J-328	776.11	0.0	997.43	95.8
J-329	773.32	0.0	997.47	97.0
J-330	770.03	0.0	997.51	98.4
J-331	764.47	0.0	997.52	100.8
J-332	766.17	0.0	997.53	100.1
J-333	773.00	0.5	997.57	97.2
J-334	771.22	0.0	997.55	97.9
J-335	773.00	0.0	997.59	97.2
J-336	767.04	0.0	929.59	70.3
J-337	768.31	0.0	930.01	70.0
J-338	765.63	0.0	929.11	70.7
J-339	764.11	0.0	929.88	71.7
J-340	767.51	0.0	930.50	70.5
J-341	766.52	10.1	930.19	70.8
J-342	761.87	0.0	927.98	71.9
J-343	763.68	0.0	928.80	71.4
J-344	761.00	0.0	927.12	71.9
J-345	762.48	0.0	926.89	71.1
J-346	761.47	2.3	926.53	71.4
J-347	763.07	1.4	927.27	71.0
J-349	760.66	0.0	931.33	73.8
J-350	761.01	0.0	931.33	73.7
J-351	765.11	0.0	931.33	71.9
J-352	764.26	0.0	931.33	72.3
J-353	767.56	0.0	931.33	70.9
J-354	766.48	0.0	931.33	71.3
J-355	764.51	0.0	931.33	72.2
J-356	762.57	0.0	931.33	73.0
J-357	767.08	5.5	930.37	70.6
J-358	763.14	0.0	930.36	72.3
J-359	732.00	0.0	930.33	85.8
J-360	766.71	0.0	993.60	98.2
J-361	793.03	1.8	993.43	86.7
J-362	795.08	0.0	993.35	85.8
J-363	790.96	0.0	993.52	87.6
J-364	761.00	0.0	930.37	73.3
J-365	759.00	0.0	930.32	74.1
J-366	759.00	0.0	930.33	74.1
J-367	757.00	10.1	930.43	75.0
J-368	757.67	0.0	930.50	74.8
J-369	796.46	0.0	1,028.84	100.5
J-370	764.19	6.4	930.38	71.9
J-372	764.00	10.6	930.37	72.0
J-373	760.05	9.2	930.43	73.7
J-374	762.31	6.4	930.36	72.7
J-375	779.95	0.0	930.72	65.2
J-376	763.00	5.5	930.32	72.4
J-377	761.04	0.0	929.25	72.8
J-378	782.47	0.0	994.04	91.5
J-379	785.00	3.7	994.13	90.5
J-380	787.73	0.0	993.93	89.2
J-381	787.55	5.5	994.02	89.3
J-382	786.57	0.0	994.13	89.8

FlexTable: Junction Table

Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-385	864.99	0.0	930.89	28.5
J-387	809.56	0.0	1,030.30	95.5
J-391	769.00	0.0	931.80	70.4
J-392	808.99	0.0	1,030.45	95.8
J-393	772.45	0.0	931.03	68.6
J-421	852.76	0.0	931.60	34.1
J-426	773.76	0.0	930.49	67.8
J-431	764.00	0.0	930.39	72.0
J-432	861.91	0.0	931.10	29.9
J-435	764.04	0.0	930.52	72.0
J-436	768.68	0.0	930.53	70.0
J-437	767.60	0.0	930.52	70.5
J-438	764.72	0.0	930.53	71.7
J-439	762.11	0.0	930.53	72.9
J-441	759.57	0.0	930.49	73.9
J-443	761.00	0.0	930.39	73.3
J-444	763.00	0.0	930.37	72.4
J-445	797.55	0.0	930.60	57.6
J-448	808.93	0.0	990.46	78.5
J-455	784.91	0.0	990.53	89.0
J-456	788.01	0.0	990.52	87.6
J-458	818.10	0.0	990.42	74.6
J-459	825.00	2.8	990.34	71.5
J-460	814.71	0.0	990.37	76.0
J-461	813.75	3.7	990.19	76.3
J-462	783.00	0.0	992.05	90.4
J-463	795.45	22.1	992.91	85.4
J-464	801.02	0.0	993.03	83.1
J-465	804.18	4.6	990.48	80.6
J-466	810.63	0.0	990.44	77.8
J-468	816.55	0.0	990.40	75.2
J-469	757.85	18.4	928.60	73.9
J-478	805.37	0.0	1,038.26	100.8
J-479	829.76	0.0	1,039.88	90.9
J-480	898.68	0.0	1,076.89	77.1
J-481	913.27	0.0	1,080.37	72.3
J-482	819.69	0.0	999.00	77.6
J-484	809.68	0.0	1,039.78	99.6
J-485	789.78	0.0	993.65	88.2
J-486	782.56	4.6	990.54	90.0
J-488	809.45	0.0	998.01	81.6
J-490	767.10	0.0	930.53	70.7
J-492	798.62	311.4	997.96	86.2
J-493	772.02	0.0	997.62	97.6
J-495	724.98	0.0	919.91	84.3
J-496	735.00	0.0	924.40	81.9
J-497	740.69	403.4	924.44	79.5
J-498	773.27	0.0	926.42	66.3
J-499	749.91	0.0	925.64	76.0
J-500	779.00	0.0	928.92	64.9
J-501	757.97	0.0	928.75	73.9
J-502	777.00	0.0	930.03	66.2
J-506	862.04	0.0	1,080.51	94.5
J-507	769.85	0.0	931.96	70.1
J-508	769.60	0.0	931.99	70.3
J-509	769.78	(N/A)	(N/A)	(N/A)
J-651	776.33	0.0	997.31	95.6
J-652	777.13	0.0	997.41	95.3
J-655	777.00	0.0	997.42	95.4
J-870	773.00	0.0	997.58	97.2
J-875	858.21	0.0	999.97	61.3
J-905	785.77	0.0	995.56	90.8
J-991	783.00	0.0	928.93	63.1
J-993	782.04	0.0	928.93	63.6
J-995	781.82	0.0	928.92	63.6
J-1013	781.15	0.0	928.92	63.9
J-1020	780.39	0.0	928.92	64.3
J-1038	779.63	0.0	928.31	64.3
J-1039	780.01	0.0	928.62	64.3
J-1065	777.21	0.0	927.11	64.9
J-1066	777.46	0.0	927.38	64.9
J-1100	775.12	0.0	926.71	65.6
J-1101	774.34	0.0	926.60	65.9
J-1116	774.00	0.0	997.62	96.7
J-1204	772.36	0.0	997.61	97.5
J-1224	769.83	(N/A)	(N/A)	(N/A)
J-1236	959.79	638.9	1,079.54	51.8
J-1241	807.40	0.0	1,038.22	99.9
J-1242	812.84	0.0	1,038.15	97.5
J-1243	820.50	0.0	1,037.78	94.0
J-1244	827.00	0.0	1,037.78	91.2
J-1254	788.00	0.0	1,037.37	107.9
J-1259	795.00	0.0	1,037.31	104.8
J-1262	848.77	0.0	1,038.72	82.2
J-1274	916.03	0.0	1,080.39	71.1
J-1275	898.79	328.0	1,083.77	80.0

FlexTable: Junction Table

Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-1276	911.49	0.0	1,084.01	74.6
J-1277	956.99	0.0	1,079.94	53.2
J-1280	831.84	0.0	1,037.64	89.0
J-1286	804.00	0.0	993.01	81.8
J-1293	786.19	0.0	992.52	89.3
J-1294	836.07	(N/A)	(N/A)	(N/A)
J-1295	825.75	0.0	1,075.71	108.1
J-1302	887.56	216.2	1,039.47	65.7
J-1303	923.53	0.0	1,084.66	69.7
J-1306	946.71	(N/A)	(N/A)	(N/A)
J-1308	899.23	331.2	1,082.88	79.5
J-1311	895.50	339.9	1,040.97	62.9
J-1312	858.51	137.1	1,076.71	94.4
J-1313	941.00	0.0	1,084.99	62.3
J-1314	945.38	558.9	1,080.40	58.4
J-1315	931.72	748.9	1,084.11	65.9
J-1318	751.90	0.0	925.51	75.1
J-1326	753.62	0.0	924.41	73.9
J-1330	896.37	0.0	1,024.10	55.3
J-1331	950.06	377.9	1,023.19	31.6
J-1332	770.73	161.5	924.64	66.6
J-1333	719.89	0.0	919.81	86.5
J-1334	795.06	0.0	993.59	85.9
J-1335	799.99	259.4	989.79	82.1
J-1336	800.43	0.0	1,038.16	102.9
J-1337	813.41	301.3	1,037.66	97.0
J-1339	855.71	262.2	1,038.66	79.2
J-1343	725.01	78.2	925.35	86.7
J-1344	790.00	24.4	929.25	60.2
J-1346	774.51	0.0	997.63	96.5
J-1347	774.90	89.0	997.50	96.3
J-1350	780.64	31.3	993.00	91.9
J-1351	767.00	306.4	992.13	97.4
J-1352	773.46	253.9	990.01	93.7
J-1354	812.82	81.4	1,038.02	97.4
J-1355	791.11	0.0	1,037.24	106.5
J-1356	791.00	547.9	1,036.51	106.2
J-1357	830.22	472.4	1,037.46	89.7
J-1358	824.42	0.0	1,037.62	92.2
J-1359	834.29	0.0	1,038.05	88.2
J-1360	829.26	152.7	1,038.03	90.3
J-1373	854.74	618.7	1,075.09	95.3
J-1374	861.58	351.4	1,075.51	92.6
J-1375	853.91	299.0	1,080.23	97.9
J-1376	848.47	0.0	999.54	65.4
J-1377	828.63	56.6	999.46	73.9
J-1378	855.98	0.0	999.66	62.2
J-1379	868.60	262.2	1,080.35	91.6
J-1380	794.82	0.0	993.44	85.9
J-1381	791.17	0.0	993.55	87.6
J-1382	785.00	94.8	994.64	90.7
J-1383	787.32	0.0	993.74	89.3
J-1384	798.09	0.0	993.32	84.5
J-1385	801.35	160.5	993.15	83.0
J-1386	790.35	0.0	992.93	87.6
J-1389	847.74	277.4	1,083.90	102.2
J-1391	826.45	429.2	1,037.48	91.3
J-1392	776.49	0.0	928.75	65.9
J-1393	773.27	167.4	928.38	67.1
J-1394	754.01	0.0	925.50	74.2
J-1395	754.57	57.0	925.42	73.9
J-1397	806.85	256.7	1,039.47	100.6
J-1399	771.24	0.0	928.05	67.8
J-1400	769.07	479.3	927.16	68.4
J-1402	758.45	0.0	919.90	69.9
J-1403	737.47	180.8	919.90	78.9
J-1405	734.21	0.0	921.29	80.9
J-1406	755.80	252.1	921.14	71.5
J-1407	748.91	0.0	923.75	75.6
J-1408	750.45	82.8	923.64	74.9
J-1409	764.00	0.0	928.86	71.3
J-1410	761.22	63.2	928.85	72.5
J-1411	771.00	0.0	931.10	69.3
J-1412	772.05	358.1	929.88	68.3
J-1413	778.31	0.0	929.55	65.4
J-1414	780.92	353.8	928.75	64.0
J-1415	768.03	49.8	997.47	99.3
J-1416	769.00	0.0	930.88	70.0
J-1417	766.99	406.0	928.19	69.7
J-1418	721.15	405.8	917.77	85.1
J-1423	772.38	0.0	997.62	97.5
J-1425	773.34	0.0	1,082.05	133.6
J-1426	767.00	0.0	1,081.96	136.3
J-1427	758.92	0.0	1,081.92	139.7
J-1428	755.90	0.0	1,081.89	141.0
J-1429	757.00	0.0	1,081.85	140.5

FlexTable: Junction Table

Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-1430	756.47	0.0	1,081.72	140.7
J-1431	756.00	0.0	1,081.63	140.9
J-1446	772.40	0.0	997.42	97.4
J-1447	772.39	0.0	997.43	97.4
J-1448	773.86	0.0	997.43	96.7
J-1449	774.45	0.0	997.43	96.5
J-1450	775.68	0.0	997.44	95.9
J-1451	775.72	0.0	997.45	95.9
J-1452	775.19	0.0	997.45	96.2
J-1453	773.86	0.0	997.45	96.7
J-1454	804.19	0.0	997.49	83.6
J-1457	805.93	0.0	997.50	82.9
J-1458	785.84	0.0	996.74	91.2
J-1459	786.17	0.0	996.12	90.8
J-1464	773.19	0.0	997.43	97.0
J-1465	775.10	0.0	997.43	96.2
J-1466	778.27	134.8	997.19	94.7
J-1468	775.76	0.0	997.44	95.9
J-1471	786.10	0.0	997.49	91.5
J-1475	777.41	24.8	994.87	94.1
J-1483	817.23	0.0	997.61	78.0
J-1484	798.13	0.0	997.75	86.4
J-1484	773.00	0.0	997.45	97.1
J-1485	791.57	0.0	997.90	89.3
J-1485	770.00	0.0	997.45	98.4
J-1486	797.00	0.0	998.01	87.0
J-1487	798.94	0.0	998.01	86.1
J-1494	799.15	0.0	997.58	85.9
J-1495	805.41	0.0	997.67	83.2
J-1496	830.21	0.0	997.75	72.5
J-1497	811.34	0.0	997.77	80.7
J-1498	772.00	6.0	997.45	97.5
J-1499	787.21	0.0	997.72	91.1
J-1500	791.76	0.0	997.69	89.1
J-1501	776.80	0.0	997.67	95.6
J-1502	777.23	0.0	997.65	95.4
J-1503	776.85	0.0	997.64	95.5
J-1504	775.00	0.0	997.63	96.3
J-1505	772.70	0.0	997.62	97.3
J-1506	772.32	0.0	997.62	97.5
J-1507	786.79	0.0	997.68	91.2
J-1511	796.57	184.0	997.99	87.1
J-1512	781.89	184.0	997.53	93.3
J-1513	827.06	0.0	997.79	73.9
J-1514	835.49	0.0	998.68	70.6
J-1515	854.51	0.0	999.78	62.8
J-1517	836.98	0.0	998.14	69.7
J-1519	776.55	0.0	997.64	95.7
J-1521	776.65	40.3	997.62	95.6
J-1523	775.69	40.3	997.61	96.0
J-1525	772.04	0.0	997.62	97.6
J-1540	768.99	0.0	929.71	69.5
J-1541	766.22	0.0	929.64	70.7
J-1542	763.48	0.0	929.61	71.9
J-1543	762.08	0.0	928.70	72.1
J-1544	759.68	0.0	927.51	72.6
J-1545	757.89	0.0	926.52	73.0
J-1546	756.97	0.0	926.24	73.2
J-1547	755.21	0.0	925.78	73.8
J-1548	754.40	0.0	925.55	74.0
J-1549	753.70	0.0	925.29	74.2
J-1550	753.32	0.0	925.00	74.3
J-1551	757.51	0.0	926.38	73.1
J-1554	758.76	0.0	926.97	72.8
J-1557	761.39	0.0	928.45	72.3
J-1559	765.26	0.0	929.61	71.1
J-1560	764.97	87.5	929.50	71.2
J-1561	766.12	87.5	929.47	70.7
J-1562	784.49	149.5	928.33	62.2
J-1563	780.24	0.0	928.92	64.3
J-1570	774.80	0.0	926.65	65.7
J-1573	777.42	0.0	927.24	64.8
J-1574	779.00	149.5	926.87	64.0
J-1575	775.43	149.5	926.90	65.5
J-1577	750.50	0.0	924.28	75.2
J-1578	736.12	0.0	923.44	81.0
J-1579	734.53	0.0	923.38	81.7
J-1580	711.26	0.0	923.34	91.8
J-1594	765.83	0.0	1,081.94	136.8
J-1595	784.32	894.8	1,081.91	128.8
J-1596	800.36	0.0	1,082.50	122.1
J-1597	921.82	0.0	1,083.66	70.0
J-1600	783.59	172.5	1,080.61	128.5
J-1601	833.07	0.0	1,082.39	107.9
J-1602	857.28	720.4	1,082.82	97.6
J-1604	746.79	0.0	923.97	76.7

FlexTable: Junction Table

Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-1628	733.49	0.0	923.27	82.1
J-1630	731.16	677.3	922.66	82.9
J-1631	753.16	0.0	926.41	75.0
J-1632	746.48	479.7	925.15	77.3
J-1633	762.36	522.7	925.29	70.5
J-1634	955.30	0.0	1,084.96	56.1
J-1636	791.06	0.0	1,036.75	106.3
J-1638	908.49	0.0	1,083.23	75.6
J-1639	723.93	259.0	919.75	84.7
J-1640	719.52	275.1	916.53	85.2
J-1641	741.46	410.5	922.99	78.5
J-1642	741.16	351.9	923.33	78.8
J-1643	750.00	250.3	923.00	74.8
J-1644	757.59	87.9	1,081.46	140.1
J-1645	757.49	87.5	926.86	73.3
J-1646	759.53	87.5	926.87	72.4
J-1648	779.66	149.5	929.38	64.8
J-1649	772.19	134.8	997.45	97.5
J-1650	789.48	181.5	997.49	90.0
J-1651	802.27	181.5	998.33	84.8
J-1657	827.91	0.0	1,037.49	90.7
J-1662	823.82	0.0	1,037.63	92.5
J-1663	824.45	0.0	1,037.92	92.4
J-1664	789.69	0.0	993.65	88.2
J-1665	772.85	0.0	997.63	97.2
J-1667	747.81	0.0	925.85	77.0
J-1668	777.76	0.0	929.59	65.7
J-1669	769.52	0.0	926.77	68.0
J-1672	775.00	0.0	931.03	67.5
J-1673	757.74	0.0	925.81	72.7
J-1674	755.71	0.0	925.04	73.3
J-1677	773.00	0.0	928.75	67.4
J-1681	815.00	0.0	1,038.44	96.7
J-1683	786.11	56.6	994.44	90.1
J-1685	784.82	0.0	994.76	90.8
J-1686	779.30	0.0	994.81	93.2
J-1687	863.94	0.0	1,076.85	92.1
J-1687	778.03	0.0	994.85	93.8
J-1690	757.56	0.0	930.67	74.9
J-1691	772.83	0.0	1,082.12	133.8
J-1691	785.39	0.0	997.59	91.8
J-1692	828.88	0.0	1,082.35	109.7
J-1692	765.08	0.0	997.55	100.6
J-1694	765.18	0.0	931.98	72.2
J-1696	769.00	0.0	931.90	70.5
J-1699	769.78	0.0	997.51	98.5
J-1707	777.38	0.0	994.99	94.2
J-1709	774.65	0.0	997.45	96.4
J-1714	913.60	0.0	1,080.38	72.2
J-1715	814.58	0.0	998.79	79.7
J-1716	909.70	0.0	1,083.26	75.1
J-1729	754.00	0.0	923.38	73.3
J-1732	773.00	0.0	930.81	68.3
J-1734	774.00	0.0	929.00	67.1
J-2022	798.86	0.0	997.75	86.1

RESPEC

ULTIMATE SYSTEM
PHF RESULTS

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-2	400	J-4	J-5	6.0	PVC	120.0	0.350	50.9	0.58
P-3	372	J-5	J-6	6.0	PVC	120.0	0.500	165.8	1.88
P-4	406	J-6	J-7	6.0	PVC	120.0	0.500	162.7	1.85
P-6	362	J-7	J-9	6.0	PVC	120.0	0.350	99.1	1.12
P-7	385	J-9	J-10	6.0	PVC	120.0	0.800	61.0	0.69
P-8	595	J-6	J-11	8.0	PVC	120.0	0.000	0.0	0.00
P-9	388	J-12	J-4	6.0	PVC	120.0	1.280	74.9	0.85
P-11	399	J-12	J-14	8.0	PVC	120.0	1.280	138.6	0.88
P-12	388	J-5	J-14	8.0	PVC	120.0	1.280	128.4	0.82
P-13	186	J-14	J-15	8.0	PVC	120.0	0.350	10.2	0.06
P-14	180	J-15	J-16	8.0	PVC	120.0	0.000	0.2	0.00
P-15	395	J-16	J-17	8.0	PVC	120.0	0.750	179.1	1.14
P-16	374	J-17	J-18	8.0	PVC	120.0	0.750	392.8	2.51
P-17	388	J-18	J-19	8.0	PVC	120.0	0.750	331.6	2.12
P-18	400	J-19	J-20	8.0	PVC	120.0	0.750	304.2	1.94
P-19	394	J-20	J-21	8.0	PVC	120.0	0.350	185.9	1.19
P-20	379	J-21	J-22	8.0	PVC	120.0	0.750	180.2	1.15
P-21	373	J-22	J-23	8.0	PVC	120.0	0.350	157.5	1.00
P-22	377	J-23	J-24	8.0	PVC	120.0	0.750	152.4	0.97
P-23	393	J-24	J-25	8.0	PVC	120.0	1.280	90.2	0.58
P-24	375	J-15	J-26	2.0	PVC	120.0	1.280	10.0	1.02
P-25	571	J-26	J-6	8.0	PVC	120.0	0.750	3.1	0.02
P-26	184	J-26	J-27	8.0	PVC	120.0	0.350	13.2	0.08
P-27	393	J-27	J-28	8.0	PVC	120.0	0.750	10.2	0.07
P-28	377	J-28	J-29	8.0	PVC	120.0	1.280	118.2	0.75
P-30	387	J-31	J-17	12.0	PVC	120.0	0.500	1,002.4	2.84
P-31	385	J-31	J-32	8.0	PVC	120.0	0.350	255.5	1.63
P-32	147	J-33	J-16	6.0	PVC	120.0	0.500	0.0	0.00
P-33	376	J-16	J-27	6.0	PVC	120.0	0.500	179.3	2.03
P-34	404	J-27	J-34	6.0	PVC	120.0	0.350	162.2	1.84
P-35	354	J-34	J-40	6.0	PVC	120.0	0.350	114.6	1.30
P-36	392	J-40	J-36	6.0	PVC	120.0	0.500	119.0	1.35
P-38	387	J-37	J-38	6.0	PVC	120.0	0.350	147.5	1.67
P-39	371	J-38	J-39	6.0	PVC	120.0	0.200	128.9	1.46
P-41	371	J-40	J-41	8.0	PVC	120.0	1.280	20.4	0.13
P-42	27	J-41	J-42	8.0	PVC	120.0	0.350	13.4	0.09
P-43	379	J-42	J-43	8.0	PVC	120.0	0.750	45.9	0.29
P-45	366	J-45	J-295	6.0	PVC	120.0	1.280	93.1	1.06
P-47	360	J-9	J-45	6.0	PVC	120.0	1.280	38.1	0.43
P-48	389	J-45	J-48	6.0	PVC	120.0	0.500	64.4	0.73
P-50	398	J-36	J-48	6.0	PVC	120.0	0.750	98.5	1.12
P-52	358	J-48	J-10	6.0	PVC	120.0	0.000	44.5	0.51
P-53	356	J-48	J-50	2.0	PVC	120.0	0.000	0.0	0.00
P-55	388	J-51	J-18	8.0	PVC	120.0	0.500	139.9	0.89
P-56	185	J-51	J-52	8.0	PVC	120.0	0.000	500.6	3.20
P-57	376	J-17	J-28	8.0	PVC	120.0	0.500	430.5	2.75
P-59	389	J-42	J-53	8.0	PVC	120.0	0.500	269.6	1.72
P-60	381	J-53	J-54	8.0	PVC	120.0	0.000	229.5	1.46
P-61	384	J-54	J-55	8.0	PVC	120.0	0.350	229.5	1.46
P-62	404	J-55	J-58	8.0	PVC	120.0	0.500	183.0	1.17
P-64	386	J-58	J-59	8.0	PVC	120.0	1.280	200.6	1.28
P-65	390	J-59	J-39	8.0	PVC	120.0	0.500	312.6	2.00
P-67	338	J-37	J-61	6.0	PVC	120.0	0.750	0.0	0.00
P-69	375	J-55	J-37	6.0	PVC	120.0	1.280	46.5	0.53
P-70	391	J-58	J-38	2.0	PVC	120.0	1.280	6.9	0.70
P-71	362	J-36	J-62	8.0	PVC	120.0	0.750	83.4	0.53
P-72	29	J-62	J-53	8.0	PVC	120.0	0.350	90.4	0.58
P-75	340	J-43	J-65	6.0	PVC	120.0	0.000	0.0	0.00
P-76	376	J-18	J-29	8.0	PVC	120.0	0.350	201.1	1.28
P-78	383	J-66	J-19	8.0	PVC	120.0	1.280	57.0	0.36
P-80	221	J-43	J-79	8.0	PVC	120.0	0.750	290.2	1.85
P-82	389	J-41	J-62	2.0	PVC	120.0	1.280	7.1	0.72
P-83	132	J-68	J-69	6.0	PVC	120.0	0.800	0.0	0.00
P-85	384	J-445	J-68	8.0	PVC	120.0	0.350	4.5	0.03
P-87	389	J-71	J-21	8.0	PVC	120.0	0.500	83.8	0.54
P-88	626	J-20	J-72	6.0	PVC	120.0	1.280	91.3	1.04
P-97	395	J-73	J-81	8.0	PVC	120.0	0.750	124.6	0.80
P-99	299	J-80	J-81	3.0	PVC	120.0	0.500	9.7	0.44
P-100	369	J-81	J-63	8.0	PVC	120.0	0.350	134.3	0.86
P-101	366	J-63	J-82	8.0	PVC	120.0	0.350	246.9	1.58
P-103	20	J-83	J-84	8.0	PVC	120.0	0.500	81.0	0.52
P-104	369	J-84	J-85	8.0	PVC	120.0	1.280	93.3	0.60
P-107	374	J-59	J-86	8.0	PVC	120.0	0.350	149.4	0.95
P-109	390	J-86	J-85	8.0	PVC	120.0	0.750	98.8	0.63
P-110	389	J-85	J-88	8.0	PVC	120.0	1.280	59.6	0.38
P-111	368	J-88	J-75	8.0	PVC	120.0	0.350	72.9	0.47
P-112	390	J-75	J-84	8.0	PVC	120.0	0.750	19.8	0.13
P-113	214	J-86	J-89	8.0	PVC	120.0	0.350	43.0	0.27
P-114	166	J-89	J-90	8.0	PVC	120.0	1.280	(N/A)	(N/A)
P-115	178	J-89	J-92	8.0	PVC	120.0	0.500	43.0	0.27
P-116	157	J-92	J-93	8.0	PVC	120.0	0.500	9.4	0.06
P-117	284	J-94	J-95	6.0	PVC	120.0	0.000	0.0	0.00
P-118	491	J-95	J-96	2.0	PVC	120.0	1.280	0.0	0.00
P-119	220	J-95	J-97	6.0	PVC	120.0	0.350	12.0	0.14
P-120	282	J-97	J-93	2.0	PVC	120.0	0.300	0.2	0.02
P-121	432	J-93	J-98	2.0	PVC	120.0	0.300	2.7	0.28

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-122	209	J-97	J-92	8.0	PVC	120.0	0.500	11.8	0.08
P-125	387	J-99	J-100	8.0	PVC	120.0	0.000	47.4	0.30
P-126	34	J-100	J-101	8.0	PVC	120.0	1.280	15.3	0.10
P-127	371	J-102	J-103	8.0	PVC	120.0	0.350	95.1	0.61
P-128	377	J-103	J-100	8.0	PVC	120.0	0.800	32.1	0.20
P-129	291	J-103	J-104	8.0	PVC	120.0	1.280	0.0	0.00
P-130	384	J-88	J-99	8.0	PVC	120.0	0.500	13.3	0.08
P-131	213	J-99	J-105	8.0	PVC	120.0	0.500	21.6	0.14
P-132	421	J-105	J-98	8.0	PVC	120.0	0.300	2.7	0.02
P-134	107	J-106	J-107	8.0	PVC	120.0	0.500	48.0	0.31
P-137	420	J-110	J-111	8.0	PVC	120.0	0.300	43.9	0.28
P-138	420	J-111	J-112	8.0	PVC	120.0	0.300	74.8	0.48
P-139	417	J-112	J-101	8.0	PVC	120.0	0.000	56.1	0.36
P-141	444	J-101	J-105	8.0	PVC	120.0	0.350	40.8	0.26
P-143	606	J-114	J-112	2.0	PVC	120.0	0.500	2.4	0.24
P-144	400	J-114	J-102	6.0	PVC	120.0	0.750	36.4	0.41
P-145	380	J-102	J-75	6.0	PVC	120.0	0.750	38.5	0.44
P-146	379	J-114	J-115	6.0	PVC	120.0	0.750	16.1	0.18
P-147	292	J-115	J-116	6.0	PVC	120.0	0.750	14.7	0.17
P-148	89	J-116	J-117	6.0	PVC	120.0	1.280	14.7	0.17
P-149	429	J-111	J-115	6.0	PVC	120.0	0.500	30.9	0.35
P-150	387	J-115	J-118	6.0	PVC	120.0	0.500	29.5	0.33
P-151	406	J-118	J-119	6.0	PVC	120.0	0.350	31.3	0.36
P-152	372	J-118	J-120	2.0	PVC	120.0	1.280	1.9	0.19
P-154	9	J-122	J-123	6.0	PVC	120.0	0.750	96.7	1.10
P-155	381	J-122	J-24	6.0	PVC	120.0	0.500	33.9	0.38
P-157	385	J-124	J-125	6.0	PVC	120.0	0.500	33.6	0.38
P-158	383	J-125	J-126	6.0	PVC	120.0	0.350	28.9	0.33
P-159	374	J-126	J-127	6.0	PVC	120.0	0.500	27.0	0.31
P-160	406	J-127	J-120	6.0	PVC	120.0	0.350	43.7	0.50
P-161	383	J-120	J-117	6.0	PVC	120.0	0.350	6.5	0.07
P-162	261	J-117	J-110	6.0	PVC	120.0	0.500	21.2	0.24
P-163	392	J-109	J-127	8.0	PVC	120.0	1.280	12.2	0.08
P-164	372	J-127	J-119	8.0	PVC	120.0	0.750	28.9	0.18
P-166	402	J-443	J-74	8.0	PVC	120.0	0.750	85.5	0.55
P-167	397	J-74	J-82	8.0	PVC	120.0	1.280	88.8	0.57
P-170	383	J-25	J-130	8.0	PVC	120.0	0.350	53.2	0.34
P-171	415	J-130	J-131	8.0	PVC	120.0	0.750	9.0	0.06
P-172	363	J-131	J-132	8.0	PVC	120.0	0.350	0.0	0.00
P-173(1)	59	J-132	PRV-42	6.0	PVC	120.0	0.200	(N/A)	(N/A)
P-173(2)	204	PRV-42	J-133	6.0	PVC	120.0	0.200	(N/A)	(N/A)
P-174	263	J-133	J-134	6.0	PVC	120.0	1.280	0.0	0.00
P-175	310	J-133	J-135	6.0	PVC	120.0	0.350	24.0	0.27
P-177	306	J-136	J-137	6.0	PVC	120.0	0.350	72.0	0.82
P-178	322	J-137	J-138	6.0	PVC	120.0	0.350	61.6	0.70
P-179	254	J-138	J-139	6.0	PVC	120.0	0.350	52.6	0.60
P-181	235	J-139	J-141	6.0	PVC	120.0	0.350	12.0	0.14
P-182	22	J-142	J-143	2.0	PVC	120.0	0.750	0.0	0.00
P-183	49	J-143	J-144	2.0	PVC	120.0	0.000	0.0	0.00
P-185	228	J-145	J-146	6.0	PVC	120.0	0.000	0.0	0.00
P-195	384	J-151	J-22	8.0	PVC	120.0	1.280	32.7	0.21
P-196	377	J-130	J-123	8.0	PVC	120.0	0.000	96.7	0.62
P-198	359	J-132	J-153	2.0	PVC	120.0	1.280	0.0	0.00
P-199	359	J-131	J-154	6.0	PVC	120.0	1.280	9.0	0.10
P-201	383	J-156	J-23	8.0	PVC	120.0	0.500	5.0	0.03
P-203	391	J-151	J-71	8.0	PVC	120.0	0.750	195.8	1.25
P-204	256	J-71	J-158	8.0	PVC	120.0	0.000	188.3	1.20
P-205	378	J-122	J-156	8.0	PVC	120.0	0.750	130.6	0.83
P-206	361	J-156	J-151	8.0	PVC	120.0	0.750	163.1	1.04
P-207	380	J-124	J-159	6.0	PVC	120.0	0.750	34.8	0.40
P-210	379	J-162	J-159	8.0	PVC	120.0	0.500	34.8	0.22
P-211	65	J-159	J-163	0.8	PVC	120.0	0.750	0.0	0.00
P-212	378	J-125	J-162	6.0	PVC	120.0	0.750	18.5	0.21
P-213	359	J-162	J-165	6.0	PVC	120.0	0.750	6.9	0.08
P-215	388	J-165	J-166	6.0	PVC	120.0	0.750	79.7	0.90
P-216	399	J-166	J-73	6.0	PVC	120.0	0.750	102.3	1.16
P-217	528	J-166	J-167	6.0	PVC	120.0	0.500	89.5	1.02
P-218	225	J-167	J-168	6.0	PVC	120.0	0.350	89.5	1.02
P-219	112	J-167	J-169	6.0	PVC	120.0	1.280	0.0	0.00
P-220	378	J-165	J-170	8.0	PVC	120.0	0.500	0.0	0.00
P-221	376	J-165	J-171	8.0	PVC	120.0	0.500	53.3	0.34
P-222	75	J-126	J-172	2.0	PVC	120.0	1.280	1.9	0.19
P-223	299	J-172	J-160	3.0	PVC	120.0	0.750	1.9	0.08
P-224	410	J-160	J-171	3.0	PVC	120.0	0.750	2.3	0.10
P-225	181	J-171	J-173	3.0	PVC	120.0	0.000	0.0	0.00
P-226	398	J-166	J-174	8.0	PVC	120.0	0.000	112.1	0.72
P-227	350	J-174	J-443	8.0	PVC	120.0	0.500	112.1	0.72
P-228	370	J-160	J-119	8.0	PVC	120.0	0.500	26.8	0.17
P-229	488	J-110	J-175	2.0	PVC	120.0	0.000	0.0	0.00
P-230	210	J-176	J-177	2.0	PVC	120.0	0.500	15.0	1.53
P-231	386	J-177	J-178	2.0	PVC	120.0	0.300	39.8	4.07
P-232	78	J-177	J-179	2.0	PVC	120.0	0.800	54.8	5.60
P-233	361	J-180	J-181	2.0	PVC	120.0	1.280	7.5	0.77
P-235	220	J-183	J-184	2.0	PVC	120.0	0.750	0.0	0.00
P-239	420	J-185	J-182	6.0	PVC	120.0	1.280	31.0	0.35
P-240	279	J-60	J-186	12.0	PVC	120.0	0.000	441.5	1.25

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-241	143	J-186	J-185	6.0	PVC	120.0	0.350	174.0	1.97
P-243	297	J-187	J-188	6.0	PVC	120.0	1.280	428.3	4.86
P-244	215	J-187	J-189	6.0	PVC	120.0	0.350	428.3	4.86
P-245	218	J-189	J-190	6.0	PVC	120.0	0.350	275.7	3.13
P-248	23	J-192	J-193	6.0	PVC	120.0	1.280	91.8	1.04
P-250	47	J-194	J-196	6.0	PVC	120.0	0.350	200.3	2.27
P-252	84	J-197	J-198	6.0	PVC	120.0	0.500	214.3	2.43
P-253	126	J-197	J-199	6.0	PVC	120.0	0.500	175.0	1.99
P-254	160	J-199	J-192	6.0	PVC	120.0	1.280	60.8	0.69
P-255	434	J-200	J-201	2.0	PVC	120.0	0.500	0.0	0.00
P-258	166	J-193	J-199	8.0	PVC	120.0	0.350	88.8	0.57
P-259	68	J-199	J-198	8.0	PVC	120.0	0.750	25.4	0.16
P-262	150	J-203	J-204	6.0	PVC	120.0	0.000	124.1	1.41
P-264	437	J-194	J-206	8.0	PVC	120.0	0.350	295.9	1.89
P-265	287	J-206	J-207	8.0	PVC	120.0	0.350	427.3	2.73
P-266	294	J-207	J-107	8.0	PVC	120.0	0.350	577.1	3.68
P-268	558	J-106	J-209	6.0	PVC	120.0	1.280	12.0	0.14
P-269	498	J-209	J-210	6.0	PVC	120.0	0.500	0.0	0.00
P-270	651	J-209	J-211	6.0	PVC	120.0	0.000	0.0	0.00
P-272	331	J-212	J-213	6.0	PVC	120.0	1.280	1.9	0.02
P-274	487	J-212	J-214	6.0	PVC	120.0	0.350	169.8	1.93
P-275	313	J-214	J-215	6.0	PVC	120.0	0.350	199.8	2.27
P-276	187	J-215	J-216	6.0	PVC	120.0	0.000	208.8	2.37
P-277	202	J-213	J-217	4.0	PVC	120.0	0.750	4.5	0.11
P-278	305	J-214	J-218	4.0	PVC	120.0	1.280	10.5	0.27
P-279	305	J-215	J-219	4.0	PVC	120.0	1.280	9.0	0.23
P-280	307	J-213	J-204	8.0	PVC	120.0	0.350	164.0	1.05
P-282	492	J-204	J-221	8.0	PVC	120.0	1.280	288.0	1.84
P-283	308	J-221	J-222	8.0	PVC	120.0	0.350	318.0	2.03
P-285	261	J-223	J-224	8.0	PVC	120.0	0.350	684.3	4.37
P-286	261	J-224	J-225	8.0	PVC	120.0	0.350	702.3	4.48
P-287	158	J-225	J-226	8.0	PVC	120.0	0.350	718.8	4.59
P-288	287	J-226	J-227	8.0	PVC	120.0	0.750	718.8	4.59
P-289	304	J-221	J-228	4.0	PVC	120.0	1.280	9.0	0.23
P-290	304	J-222	J-229	4.0	PVC	120.0	1.280	9.0	0.23
P-291	386	J-223	J-230	6.0	PVC	120.0	1.280	16.5	0.19
P-292	387	J-224	J-231	6.0	PVC	120.0	1.280	18.0	0.20
P-293	385	J-225	J-232	6.0	PVC	120.0	1.280	16.5	0.19
P-294	171	J-226	J-233	2.0	PVC	120.0	1.280	0.0	0.00
P-295	565	J-234	J-227	12.0	PVC	120.0	0.500	440.3	1.25
P-301	395	J-238	J-239	8.0	PVC	120.0	0.000	654.5	4.18
P-302	619	J-239	J-240	8.0	PVC	120.0	1.280	0.0	0.00
P-304	308	J-241	J-242	10.0	PVC	120.0	0.300	1,419.4	5.80
P-312	554	J-250	J-251	10.0	PVC	120.0	1.280	1,483.3	6.06
P-313	653	J-252	J-253	10.0	PVC	120.0	0.000	547.3	2.24
P-314	333	J-253	J-254	10.0	PVC	120.0	0.350	423.9	1.73
P-315	275	J-253	J-251	8.0	PVC	120.0	1.280	971.2	6.20
P-317	528	J-255	J-256	8.0	PVC	120.0	1.280	399.5	2.55
P-318	512	J-256	J-254	8.0	PVC	120.0	0.350	408.9	2.61
P-321	238	J-258	J-259	6.0	PVC	120.0	0.800	0.0	0.00
P-322	351	J-258	J-260	24.0	PVC	120.0	0.000	8,241.0	5.84
P-325	394	J-262	J-263	6.0	PVC	120.0	0.350	3.0	0.03
P-327	337	J-264	J-261	6.0	PVC	120.0	0.000	1.6	0.02
P-329	461	J-265	J-262	6.0	PVC	120.0	0.800	1.4	0.02
P-331	238	J-7	J-266	1.5	PVC	120.0	0.000	0.0	0.00
P-332	462	J-196	J-267	1.5	PVC	120.0	1.280	4.5	0.82
P-333	390	J-40	J-45	8.0	PVC	120.0	1.280	44.2	0.28
P-334	169	J-72	J-268	3.0	PVC	120.0	1.280	0.0	0.00
P-336	436	J-269	J-136	6.0	PVC	120.0	0.800	29.6	0.34
P-338	319	J-270	J-147	6.0	PVC	120.0	0.800	49.4	0.56
P-339	458	J-137	J-271	6.0	PVC	120.0	1.280	10.4	0.12
P-340	512	J-271	J-270	6.0	PVC	120.0	0.000	49.4	0.56
P-341	502	J-147	J-272	6.0	PVC	120.0	1.280	40.4	0.46
P-342	403	J-272	J-138	6.0	PVC	120.0	1.280	8.9	0.10
P-343	414	J-139	J-273	6.0	PVC	120.0	1.280	64.6	0.73
P-344	439	J-273	J-148	6.0	PVC	120.0	0.350	64.6	0.73
P-346	101	J-274	J-150	8.0	PVC	120.0	0.800	1,232.1	7.86
P-347	539	J-149	J-276	8.0	PVC	120.0	0.350	1,253.1	8.00
P-348	549	J-276	J-274	8.0	PVC	120.0	0.800	1,253.1	8.00
P-349	504	J-149	J-277	12.0	PVC	120.0	0.200	1,430.1	4.06
P-350	349	J-277	J-143	12.0	PVC	120.0	0.000	1,430.1	4.06
P-351	438	J-148	J-278	12.0	PVC	120.0	0.200	154.5	0.44
P-352	523	J-278	J-149	12.0	PVC	120.0	1.280	177.0	0.50
P-353	183	J-148	J-279	6.0	PVC	120.0	1.280	89.9	1.02
P-354	240	J-279	J-147	6.0	PVC	120.0	0.350	89.9	1.02
P-355	356	J-145	J-280	6.0	PVC	120.0	0.350	6.4	0.07
P-356	416	J-280	J-136	6.0	PVC	120.0	1.280	42.4	0.48
P-357	334	J-135	J-281	6.0	PVC	120.0	0.800	17.6	0.20
P-358	312	J-281	J-269	6.0	PVC	120.0	0.000	29.6	0.34
P-359	676	J-143	J-282	12.0	PVC	120.0	0.500	1,430.1	4.06
P-361	528	J-282	J-387	12.0	PVC	120.0	0.000	1,440.6	4.09
P-362	604	J-283	J-151	8.0	PVC	120.0	0.500	0.0	0.00
P-363	371	J-155	J-284	8.0	PVC	120.0	0.000	0.0	0.00
P-364	384	J-284	J-156	8.0	PVC	120.0	0.500	37.5	0.24
P-365	384	J-121	J-285	6.0	PVC	120.0	0.000	0.0	0.00
P-366	389	J-285	J-122	6.0	PVC	120.0	0.500	0.0	0.00

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-367	384	J-152	J-286	8.0	PVC	120.0	0.000	0.0	0.00
P-368	390	J-286	J-130	8.0	PVC	120.0	0.500	34.5	0.22
P-369	362	J-129	J-287	8.0	PVC	120.0	0.350	126.9	0.81
P-370	358	J-287	J-25	8.0	PVC	120.0	0.500	126.9	0.81
P-371	361	J-24	J-288	6.0	PVC	120.0	0.500	72.1	0.82
P-372	367	J-288	J-124	6.0	PVC	120.0	0.500	72.1	0.82
P-373	418	J-445	J-289	8.0	PVC	120.0	1.280	110.8	0.71
P-374	381	J-289	J-71	8.0	PVC	120.0	0.500	91.3	0.58
P-375	379	J-66	J-290	8.0	PVC	120.0	0.350	303.6	1.94
P-376	363	J-290	J-445	8.0	PVC	120.0	1.280	115.3	0.74
P-380	377	J-421	J-31	12.0	PVC	120.0	0.500	1,785.5	5.07
P-381	365	J-13	J-293	8.0	PVC	120.0	0.000	0.0	0.00
P-382	375	J-293	J-12	8.0	PVC	120.0	0.500	0.0	0.00
P-383	374	J-3	J-294	6.0	PVC	120.0	0.000	0.0	0.00
P-384	369	J-294	J-4	6.0	PVC	120.0	0.350	24.0	0.27
P-386	358	J-295	J-7	6.0	PVC	120.0	0.750	45.6	0.52
P-387	399	J-34	J-295	6.0	PVC	120.0	0.500	47.5	0.54
P-389	380	J-28	J-297	8.0	PVC	120.0	0.000	302.1	1.93
P-390	381	J-297	J-42	8.0	PVC	120.0	0.500	302.1	1.93
P-391	375	J-29	J-298	8.0	PVC	120.0	0.000	289.3	1.85
P-392	386	J-298	J-43	8.0	PVC	120.0	0.500	289.3	1.85
P-395	428	J-39	J-300	8.0	PVC	120.0	0.300	441.5	2.82
P-396	440	J-300	J-60	8.0	PVC	120.0	0.000	441.5	2.82
P-397	435	J-183	J-301	6.0	PVC	120.0	0.200	120.6	1.37
P-398	322	J-301	J-185	6.0	PVC	120.0	0.000	143.1	1.62
P-400	522	J-302	J-183	6.0	PVC	120.0	0.500	127.5	1.45
P-401	221	J-180	J-501	6.0	PVC	120.0	0.350	122.3	1.39
P-402	599	J-303	J-302	6.0	PVC	120.0	0.100	127.5	1.45
P-403	547	J-179	J-304	6.0	PVC	120.0	0.800	54.8	0.62
P-404	534	J-304	J-180	6.0	PVC	120.0	0.350	114.8	1.30
P-405	434	J-186	J-305	8.0	PVC	120.0	1.280	257.0	1.64
P-407	291	J-305	J-306	8.0	PVC	120.0	0.350	257.0	1.64
P-409	429	J-306	J-307	8.0	PVC	120.0	0.000	177.5	1.13
P-411	424	J-307	J-308	8.0	PVC	120.0	0.000	156.5	1.00
P-413	358	J-308	J-309	8.0	PVC	120.0	0.800	156.5	1.00
P-414(1)	256	J-309	PRV-26	8.0	PVC	120.0	0.000	(N/A)	(N/A)
P-414(2)	90	PRV-26	J-187	8.0	PVC	120.0	0.000	(N/A)	(N/A)
P-415	498	J-189	J-310	6.0	PVC	120.0	1.280	152.6	1.73
P-416	494	J-310	J-191	6.0	PVC	120.0	0.000	152.6	1.73
P-417	495	J-191	J-311	6.0	PVC	120.0	0.000	152.6	1.73
P-418	379	J-311	J-192	6.0	PVC	120.0	0.350	152.6	1.73
P-419	365	J-198	J-312	8.0	PVC	120.0	1.280	239.7	1.53
P-421	495	J-312	J-313	8.0	PVC	120.0	0.000	239.7	1.53
P-423	491	J-313	J-314	8.0	PVC	120.0	0.000	275.7	1.76
P-424	507	J-314	J-190	8.0	PVC	120.0	0.800	275.7	1.76
P-425	96	J-200	J-315	8.0	PVC	120.0	0.200	3.0	0.02
P-426	182	J-315	J-193	8.0	PVC	120.0	0.800	3.0	0.02
P-427	156	J-202	J-317	8.0	PVC	120.0	0.200	0.0	0.00
P-428	84	J-317	J-200	8.0	PVC	120.0	0.300	0.0	0.00
P-429	592	J-196	J-318	6.0	PVC	120.0	0.000	204.8	2.32
P-430	227	J-318	J-197	6.0	PVC	120.0	0.350	389.3	4.42
P-431	418	J-194	J-319	6.0	PVC	120.0	1.280	95.6	1.08
P-432	448	J-319	J-203	6.0	PVC	120.0	1.280	110.6	1.25
P-433	147	J-203	J-322	4.0	PVC	120.0	0.800	13.5	0.34
P-434	209	J-322	J-205	4.0	PVC	120.0	0.000	0.0	0.00
P-435	397	J-222	J-323	8.0	PVC	120.0	0.200	327.0	2.09
P-437	693	J-323	J-324	8.0	PVC	120.0	0.200	348.0	2.22
P-439	555	J-324	J-325	8.0	PVC	120.0	1.280	367.5	2.35
P-440	284	J-325	J-223	8.0	PVC	120.0	0.350	667.8	4.26
P-441	679	J-227	J-326	12.0	PVC	120.0	0.000	1,199.6	3.40
P-443	549	J-326	J-327	12.0	PVC	120.0	0.350	1,205.6	3.42
P-444	176	J-327	J-651	12.0	PVC	120.0	0.000	1,226.6	3.48
P-445	307	J-236	J-652	16.0	PVC	120.0	0.000	1,226.6	1.96
P-447(1)	262	J-328	J-1709	16.0	PVC	120.0	0.350	986.9	1.57
P-447(2)	227	J-1709	J-329	16.0	PVC	120.0	0.000	1,006.4	1.61
P-449	466	J-329	J-330	16.0	PVC	120.0	0.000	1,006.4	1.61
P-451(1)	27	J-330	J-1699	16.0	PVC	120.0	0.350	1,006.4	1.61
P-451(2)	582	J-1699	J-331	16.0	PVC	120.0	0.000	411.3	0.66
P-453	397	J-331	J-332	16.0	PVC	120.0	0.350	411.3	0.66
P-454	387	J-332	J-237	16.0	PVC	120.0	0.000	573.6	0.92
P-457	519	J-237	J-334	16.0	PVC	120.0	0.000	573.6	0.92
P-458	509	J-334	J-333	16.0	PVC	120.0	0.000	573.6	0.92
P-459	450	J-333	J-870	16.0	PVC	120.0	0.000	575.1	0.92
P-460	568	J-335	J-235	16.0	PVC	120.0	0.800	575.1	0.92
P-463	287	J-239	J-337	8.0	PVC	120.0	0.350	645.5	4.12
P-464	381	J-337	J-336	8.0	PVC	120.0	0.000	645.5	4.12
P-465	442	J-336	J-338	8.0	PVC	120.0	0.000	645.5	4.12
P-466	522	J-338	J-241	8.0	PVC	120.0	0.500	645.5	4.12
P-467	343	J-255	J-339	8.0	PVC	120.0	0.000	79.6	0.51
P-468	395	J-339	J-257	8.0	PVC	120.0	0.000	79.6	0.51
P-469	262	J-251	J-340	8.0	PVC	120.0	0.350	512.1	3.27
P-471	394	J-340	J-341	8.0	PVC	120.0	0.800	512.1	3.27
P-472	450	J-341	J-255	8.0	PVC	120.0	0.350	479.1	3.06
P-475	427	J-256	J-343	8.0	PVC	120.0	0.000	797.5	5.09
P-476	431	J-343	J-342	8.0	PVC	120.0	0.000	797.5	5.09
P-477	452	J-342	J-344	8.0	PVC	120.0	0.000	797.5	5.09

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-478	502	J-344	J-243	8.0	PVC	120.0	0.800	797.5	5.09
P-481	433	J-345	J-346	10.0	PVC	120.0	0.000	1,013.0	4.14
P-482	470	J-346	J-243	10.0	PVC	120.0	0.500	1,005.5	4.11
P-483	403	J-242	J-347	10.0	PVC	120.0	0.300	1,419.4	5.80
P-484	443	J-347	J-345	10.0	PVC	120.0	0.000	1,013.0	4.14
P-487	341	J-262	J-349	6.0	PVC	120.0	0.500	1.6	0.02
P-488	316	J-349	J-264	6.0	PVC	120.0	0.000	1.6	0.02
P-489	154	J-261	J-350	6.0	PVC	120.0	1.280	1.4	0.02
P-490	682	J-350	J-265	6.0	PVC	120.0	0.800	1.4	0.02
P-495	627	J-260	J-353	16.0	PVC	120.0	0.200	3.0	0.00
P-497	403	J-353	J-354	6.0	PVC	120.0	0.000	3.0	0.03
P-498	479	J-354	J-351	6.0	PVC	120.0	0.000	3.0	0.03
P-499	386	J-351	J-355	6.0	PVC	120.0	0.000	3.0	0.03
P-500	422	J-355	J-352	6.0	PVC	120.0	0.000	3.0	0.03
P-501	365	J-352	J-356	6.0	PVC	120.0	0.000	3.0	0.03
P-502	390	J-356	J-261	6.0	PVC	120.0	0.350	3.0	0.03
P-503	404	J-109	J-357	8.0	PVC	120.0	0.000	66.1	0.42
P-505	471	J-357	J-358	8.0	PVC	120.0	0.200	48.1	0.31
P-506	424	J-358	J-110	8.0	PVC	120.0	0.750	48.1	0.31
P-507	436	J-98	J-359	8.0	PVC	120.0	0.500	0.0	0.00
P-509(1)	44	J-359	PRV-38	8.0	PVC	120.0	0.100	(N/A)	(N/A)
P-509(2)	428	PRV-38	J-360	8.0	PVC	120.0	0.100	(N/A)	(N/A)
P-510	426	J-360	J-106	8.0	PVC	120.0	0.350	0.0	0.00
P-513	310	J-361	J-362	8.0	PVC	120.0	0.000	306.8	1.96
P-514	302	J-362	J-208	8.0	PVC	120.0	0.000	306.8	1.96
P-515	308	J-107	J-363	8.0	PVC	120.0	0.000	312.8	2.00
P-516	308	J-363	J-361	8.0	PVC	120.0	0.000	312.8	2.00
P-517	384	J-82	J-364	8.0	PVC	120.0	0.000	158.0	1.01
P-518	386	J-364	J-83	8.0	PVC	120.0	0.350	158.0	1.01
P-519	369	J-84	J-365	3.0	PVC	120.0	0.800	7.6	0.34
P-520	371	J-365	J-86	3.0	PVC	120.0	0.500	7.6	0.34
P-521	378	J-83	J-366	8.0	PVC	120.0	1.280	24.5	0.16
P-522	385	J-366	J-58	8.0	PVC	120.0	0.750	24.5	0.16
P-523	380	J-36	J-367	6.0	PVC	120.0	0.000	134.0	1.52
P-524	387	J-367	J-37	6.0	PVC	120.0	0.500	101.0	1.15
P-525	387	J-53	J-368	8.0	PVC	120.0	0.750	112.5	0.72
P-527	111	J-135	J-369	6.0	PVC	120.0	1.280	6.4	0.07
P-528	357	J-369	J-145	6.0	PVC	120.0	1.280	6.4	0.07
P-530	362	J-370	J-109	8.0	PVC	120.0	0.350	53.9	0.34
P-531	391	J-119	J-113	8.0	PVC	120.0	0.750	33.4	0.21
P-532	364	J-113	J-443	8.0	PVC	120.0	0.750	84.2	0.54
P-533	399	J-113	J-372	8.0	PVC	120.0	0.350	73.3	0.47
P-534	393	J-372	J-114	8.0	PVC	120.0	0.500	54.9	0.35
P-535	361	J-73	J-373	6.0	PVC	120.0	0.000	101.8	1.15
P-536	379	J-373	J-74	6.0	PVC	120.0	0.500	71.8	0.81
P-537	400	J-74	J-374	6.0	PVC	120.0	0.000	75.1	0.85
P-538	391	J-374	J-75	6.0	PVC	120.0	0.500	54.1	0.61
P-539	371	J-19	J-375	8.0	PVC	120.0	0.500	37.9	0.24
P-540	327	J-375	J-299	8.0	PVC	120.0	0.100	37.9	0.24
P-541	386	J-92	J-376	8.0	PVC	120.0	0.750	64.3	0.41
P-542	393	J-376	J-99	8.0	PVC	120.0	0.750	82.3	0.53
P-543	528	J-182	J-377	2.0	PVC	120.0	0.200	7.0	0.71
P-544	257	J-377	J-183	2.0	PVC	120.0	0.800	7.0	0.71
P-546	140	J-378	J-206	6.0	PVC	120.0	1.280	131.4	1.49
P-547	472	J-213	J-379	6.0	PVC	120.0	0.500	143.4	1.63
P-548	362	J-379	J-378	6.0	PVC	120.0	0.350	131.4	1.49
P-549	223	J-207	J-380	6.0	PVC	120.0	1.280	149.8	1.70
P-551	307	J-380	J-381	6.0	PVC	120.0	0.350	149.8	1.70
P-553	303	J-381	J-382	6.0	PVC	120.0	0.000	167.8	1.90
P-554	345	J-382	J-212	6.0	PVC	120.0	0.350	167.8	1.90
P-556	58	City Hill Tank	J-30	36.0	PVC	120.0	0.000	1,785.5	0.56
P-559	327	J-2	J-385	6.0	PVC	120.0	0.000	0.0	0.00
P-560	375	J-385	J-291	6.0	PVC	120.0	0.000	0.0	0.00
P-569(1)	40	J-283	PRV-43	8.0	PVC	120.0	0.000	(N/A)	(N/A)
P-569(2)	37	PRV-43	J-392	8.0	PVC	120.0	0.000	(N/A)	(N/A)
P-571	18	R-7	GPV-1	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-572	13	GPV-1	Well 3	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-573	16	Well 3	J-157	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-574	52	R-8	GPV-2	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-575	55	GPV-2	Well 1	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-576	49	Well 1	J-82	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-577	37	R-9	GPV-3	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-578	31	GPV-3	Well 2	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-579	26	Well 2	J-90	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-601	86	Airport GST	Airport-3	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-602	119	Airport-3	J-391	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-603	62	J-391	J-260	16.0	PVC	120.0	0.000	9,639.4	15.38
P-604	111	Airport GST	Airport-1	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-605	99	Airport-1	J-391	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-611	10	J-392	J-387	8.0	PVC	120.0	0.800	1,440.6	9.20
P-616	96	Airport GST	Airport-2	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-617	93	Airport-2	J-391	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-628(1)	615	J-260	J-1411	16.0	PVC	120.0	0.350	1,395.4	2.23
P-628(2)	761	J-1411	J-393	16.0	PVC	120.0	0.500	979.9	1.56
P-629(1)	606	J-393	J-1672	10.0	PVC	120.0	0.300	0.0	0.00
P-629(2)(1)	510	J-1672	PRV-29	10.0	PVC	120.0	0.500	(N/A)	(N/A)

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-629(2)(2)	296	PRV-29	J-236	10.0	PVC	120.0	0.500	(N/A)	(N/A)
P-631	534	J-1409	J-241	10.0	PVC	120.0	0.000	773.8	3.16
P-631(1)	552	J-393	J-490	10.0	PVC	120.0	0.000	979.9	4.00
P-631(2)(1)	1,843	J-490	J-1409	10.0	PVC	120.0	0.300	979.9	4.00
P-690	371	J-291	J-51	6.0	PVC	120.0	0.500	0.0	0.00
P-692	354	J-30	J-421	12.0	PVC	120.0	0.800	1,785.5	5.07
P-717	62	J-23	J-426	8.0	PVC	120.0	0.350	0.0	0.00
P-718	66	J-426	J-157	8.0	PVC	120.0	1.280	(N/A)	(N/A)
P-741	389	J-431	J-370	8.0	PVC	120.0	0.000	74.9	0.48
P-742	391	J-125	J-431	6.0	PVC	120.0	1.280	13.7	0.16
P-743	399	J-129	J-431	8.0	PVC	120.0	0.350	88.6	0.57
P-748	385	J-66	J-51	8.0	PVC	120.0	0.750	360.6	2.30
P-750	162	J-290	J-158	8.0	PVC	120.0	0.350	188.3	1.20
P-751	375	J-21	J-168	6.0	PVC	120.0	0.000	89.5	1.02
P-755	139	J-437	J-80	12.0	PVC	120.0	0.000	28.2	0.08
P-756	159	J-80	J-438	12.0	PVC	120.0	0.000	38.0	0.11
P-757	152	J-438	J-439	12.0	PVC	120.0	0.000	38.0	0.11
P-763	381	J-444	J-372	12.0	PVC	120.0	1.280	16.1	0.05
P-765	741	J-32	J-432	12.0	PVC	120.0	1.280	0.0	0.00
P-766	192	J-31	J-52	8.0	PVC	120.0	0.750	527.6	3.37
P-789	111	J-72	J-435	6.0	PVC	120.0	0.350	10.3	0.12
P-790	398	J-435	J-73	6.0	PVC	120.0	0.500	79.4	0.90
P-791	124	J-304	J-469	6.0	PVC	120.0	1.280	60.0	0.68
P-792	359	J-154	J-153	6.0	PVC	120.0	0.800	0.0	0.00
P-794	384	J-160	J-162	8.0	PVC	120.0	0.500	60.2	0.38
P-795	394	J-124	J-129	6.0	PVC	120.0	1.280	27.8	0.32
P-796	379	J-113	J-171	8.0	PVC	120.0	0.500	22.5	0.14
P-797	391	J-443	J-444	8.0	PVC	120.0	0.350	113.3	0.72
P-798	401	J-444	J-102	8.0	PVC	120.0	0.500	97.3	0.62
P-799	377	J-32	J-12	8.0	PVC	120.0	0.750	255.5	1.63
P-809	38	J-299	J-436	2.0	PVC	120.0	0.000	37.9	3.87
P-810	432	J-436	J-79	2.0	PVC	120.0	0.500	3.0	0.31
P-811	301	J-435	J-437	12.0	PVC	120.0	0.000	69.1	0.20
P-812	108	J-437	J-436	12.0	PVC	120.0	0.000	40.9	0.12
P-813	150	J-368	J-441	8.0	PVC	120.0	0.000	112.5	0.72
P-814	227	J-441	J-63	8.0	PVC	120.0	1.280	112.5	0.72
P-815	90	J-81	J-439	8.0	PVC	120.0	0.000	249.2	1.59
P-816	80	J-439	J-79	8.0	PVC	120.0	0.000	287.2	1.83
P-842(1)(1)	620	J-455	PRV-21	16.0	PVC	120.0	0.500	(N/A)	(N/A)
P-842(1)(2)	2,402	PRV-21	J-1336	16.0	PVC	120.0	0.500	(N/A)	(N/A)
P-842(2)	825	J-1336	J-478	16.0	PVC	120.0	0.350	1,248.0	1.99
P-845(1)(1)(1)	236	J-479	PRV-17	16.0	PVC	120.0	0.350	(N/A)	(N/A)
P-845(1)(1)(2)	1,978	PRV-17	J-1687	16.0	PVC	120.0	0.350	(N/A)	(N/A)
P-845(1)(2)	2,250	J-1687	J-480	16.0	PVC	120.0	0.350	447.0	0.71
P-846(2)	3,649	J-506	J-481	16.0	PVC	120.0	0.750	648.7	1.04
P-847(1)	1,899	J-481	J-1375	16.0	PVC	120.0	0.500	975.0	1.56
P-847(2)(1)	2,060	J-1375	PRV-24	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-847(2)(2)	21	PRV-24	J-482	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-848(1)(1)(1)	3,158	J-482	J-1376	16.0	PVC	120.0	0.500	1,497.8	2.39
P-848(1)(1)(2)(1)	519	J-1376	J-1378	16.0	PVC	120.0	0.350	1,682.3	2.68
P-848(1)(1)(2)(2)	1,433	J-1378	J-875	16.0	PVC	120.0	0.350	1,682.3	2.68
P-852(1)	2,082	J-484	PRV-22	16.0	PVC	120.0	0.350	(N/A)	(N/A)
P-852(2)	152	PRV-22	J-485	16.0	PVC	120.0	0.350	(N/A)	(N/A)
P-854(1)	2,265	J-486	J-1352	12.0	PVC	120.0	0.500	828.0	2.35
P-855(1)(1)	455	J-485	J-1664	16.0	PVC	120.0	0.000	0.0	0.00
P-855(1)(2)	1,515	J-1664	J-1334	16.0	PVC	120.0	0.500	629.6	1.00
P-855(2)	1,535	J-1334	J-107	16.0	PVC	120.0	0.350	216.4	0.35
P-860	264	J-482	J-1715	12.0	PVC	120.0	0.750	1,497.8	4.25
P-861	1,191	J-1715	J-492	12.0	PVC	120.0	0.200	1,497.8	4.25
P-862(1)	3,826	J-492	J-1346	12.0	PVC	120.0	0.200	482.3	1.37
P-862(2)(1)	373	J-1346	J-1665	12.0	PVC	120.0	0.350	192.2	0.55
P-862(2)(2)	403	J-1665	J-493	12.0	PVC	120.0	1.280	192.2	0.55
P-863(1)(1)	431	J-493	J-1506	16.0	PVC	120.0	0.350	192.2	0.31
P-863(1)(2)	173	J-1506	J-1204	16.0	PVC	120.0	0.350	581.1	0.93
P-863(2)	241	J-1204	J-235	16.0	PVC	120.0	0.000	581.1	0.93
P-865(1)	2,946	J-347	J-1403	6.0	PVC	120.0	0.500	401.9	4.56
P-865(2)	2,708	J-1403	J-495	12.0	PVC	120.0	0.350	187.6	0.53
P-866(1)	2,645	J-495	J-1405	12.0	PVC	120.0	0.500	882.8	2.50
P-866(2)	2,377	J-1405	J-496	12.0	PVC	120.0	0.350	1,704.8	4.84
P-867	1,294	J-496	J-497	12.0	PVC	120.0	0.350	84.7	0.24
P-868	2,468	J-497	J-498	12.0	PVC	120.0	0.800	1,400.2	3.97
P-869(1)	1,956	J-498	J-1667	12.0	PVC	120.0	1.280	927.7	2.63
P-869(2)	717	J-1667	J-499	12.0	PVC	120.0	0.200	927.7	2.63
P-870(1)	809	J-499	J-1318	12.0	PVC	120.0	0.350	672.7	1.91
P-870(2)(1)	1,304	J-1318	J-1394	12.0	PVC	120.0	0.350	146.2	0.41
P-870(2)(2)	217	J-1394	J-178	12.0	PVC	120.0	0.350	39.8	0.11
P-871(1)(1)(1)(1)	385	J-498	J-1101	16.0	PVC	120.0	0.350	2,327.9	3.71
P-871(1)(1)(1)(2)(1)	118	J-1101	J-1570	16.0	PVC	120.0	0.000	2,327.9	3.71
P-871(1)(1)(1)(2)(2)	127	J-1570	J-1100	16.0	PVC	120.0	0.000	2,327.9	3.71
P-871(1)(1)(2)	878	J-1100	J-1065	16.0	PVC	120.0	0.000	2,327.9	3.71
P-871(1)(2)(1)(1)	270	J-1065	J-1573	16.0	PVC	120.0	0.500	2,327.9	3.71
P-871(1)(2)(1)(2)	165	J-1573	J-1066	16.0	PVC	120.0	0.000	3,302.9	5.27
P-871(1)(2)(2)	1,127	J-1066	J-1038	16.0	PVC	120.0	0.000	3,302.9	5.27
P-871(2)(1)	370	J-1038	J-1039	16.0	PVC	120.0	0.100	3,302.9	5.27
P-871(2)(2)	327	J-1039	J-500	16.0	PVC	120.0	0.500	3,302.9	5.27
P-872(1)(1)(1)(1)(1)(1)	547	J-500	J-1563	16.0	PVC	120.0	0.000	254.8	0.41

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-872(1)(1)(1)(1)(1)(2)	52	J-1563	J-1020	16.0	PVC	120.0	0.000	254.8	0.41
P-872(1)(1)(1)(1)(2)	457	J-1020	J-1013	16.0	PVC	120.0	0.500	254.8	0.41
P-872(1)(1)(1)(2)	113	J-1013	J-995	16.0	PVC	120.0	0.000	156.5	0.25
P-872(1)(1)(2)	386	J-995	J-993	16.0	PVC	120.0	0.000	156.5	0.25
P-872(1)(2)	480	J-993	J-991	16.0	PVC	120.0	0.000	156.5	0.25
P-872(2)(1)	60	J-991	PRV-27	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-872(2)(2)	132	PRV-27	J-227	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-873(1)(1)	1,382	J-501	J-1677	12.0	PVC	120.0	0.750	11.3	0.03
P-873(1)(2)	1,212	J-1677	J-1392	12.0	PVC	120.0	0.350	11.3	0.03
P-873(2)	1,595	J-1392	J-500	12.0	PVC	120.0	0.750	557.3	1.58
P-874	1,084	J-500	J-502	16.0	PVC	120.0	1.280	3,605.4	5.75
P-875(1)(1)	1,295	J-502	J-1668	16.0	PVC	120.0	0.100	1,452.5	2.32
P-875(1)(2)	343	J-1668	J-1413	16.0	PVC	120.0	0.350	379.2	0.61
P-875(2)(1)	456	J-1413	PRV-28	16.0	PVC	120.0	1.280	(N/A)	(N/A)
P-875(2)(2)	159	PRV-28	J-327	16.0	PVC	120.0	1.280	(N/A)	(N/A)
P-877(1)(1)	1,321	J-502	J-1734	16.0	PVC	120.0	0.350	3,183.1	5.08
P-877(1)(2)	1,214	J-1734	J-1399	16.0	PVC	120.0	0.350	3,183.1	5.08
P-877(2)(1)	1,285	J-1399	J-1669	12.0	PVC	120.0	0.350	1,620.1	4.60
P-877(2)(2)	2,354	J-1669	J-496	12.0	PVC	120.0	1.280	1,620.1	4.60
P-889	51	J-507	J-250	12.0	PVC	120.0	0.000	2,663.5	7.56
P-890	13	J-507	T-28	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-891	21	R-16	PMP-24	16.0	PVC	120.0	0.000	0.0	0.00
P-892	30	PMP-24	Medina Valley	16.0	PVC	120.0	0.000	0.0	0.00
P-895	16	J-508	PMP-26	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-896	12	PMP-26	J-509	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-897	26	J-508	PMP-27	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-898	18	PMP-27	J-509	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-903	13	J-509	J-507	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-904	14	Medina Valley	J-508	16.0	PVC	120.0	0.000	2,663.5	4.25
P-905	11	J-508	PMP-25	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-907	16	PMP-25	J-509	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-908(1)	731	J-238	J-1416	12.0	PVC	120.0	0.000	654.5	1.86
P-908(2)	771	J-1416	J-250	12.0	PVC	120.0	0.000	1,180.2	3.35
P-910(1)	142	J-507	PRV-30	16.0	PVC	120.0	0.800	(N/A)	(N/A)
P-910(2)	203	PRV-30	J-235	16.0	PVC	120.0	0.800	(N/A)	(N/A)
P-927	13	J-507	T-29	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-932	230	Alsatian Oaks	J-875	36.0	PVC	120.0	0.750	9,638.4	3.04
P-934	184	R-19	Alsatian Oaks	36.0	PVC	120.0	0.000	0.0	0.00
P-1271	605	J-493	J-1116	16.0	PVC	120.0	0.300	0.0	0.00
P-1424	14	J-509	J-1224	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1425	10	J-1224	T-28	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1426	11	J-1224	T-29	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1447(1)(1)	1,242	J-1236	J-1277	16.0	PVC	120.0	0.350	2,083.5	3.32
P-1447(1)(2)(1)	1,471	J-1277	J-1314	16.0	PVC	120.0	0.000	2,083.5	3.32
P-1447(1)(2)(2)	1,097	J-1314	J-1274	16.0	PVC	120.0	0.000	326.3	0.52
P-1447(2)(1)	1,282	J-1274	J-1714	16.0	PVC	120.0	0.000	326.3	0.52
P-1447(2)(2)	173	J-1714	J-481	16.0	PVC	120.0	0.000	326.3	0.52
P-1451	729	J-478	J-1241	16.0	PVC	120.0	0.000	799.3	1.28
P-1452	1,313	J-1241	J-1242	16.0	PVC	120.0	0.500	799.3	1.28
P-1462(1)	1,636	J-1242	J-1358	16.0	PVC	120.0	0.350	2,106.7	3.36
P-1471(1)(1)(1)	1,865	J-479	J-1311	16.0	PVC	120.0	0.500	2,884.3	4.60
P-1472(1)(1)	1,422	J-506	J-1308	16.0	PVC	120.0	0.000	5,114.2	8.16
P-1472(1)(2)(1)	890	J-1308	J-1313	16.0	PVC	120.0	0.000	6,194.2	9.88
P-1472(1)(2)(2)	282	J-1313	J-1303	16.0	PVC	120.0	0.000	4,232.3	6.75
P-1484(1)	3,046	J-1262	J-1359	16.0	PVC	120.0	0.500	1,708.7	2.73
P-1484(2)(1)	1,066	J-1359	J-1663	16.0	PVC	120.0	0.350	1,210.7	1.93
P-1484(2)(2)	1,197	J-1663	J-1244	16.0	PVC	120.0	1.280	1,210.7	1.93
P-1487(1)(1)(1)	3,263	J-1276	J-1634	16.0	PVC	120.0	1.280	1,974.0	3.15
P-1487(1)(1)(2)	1,770	J-1634	J-1306	16.0	PVC	120.0	0.350	(N/A)	(N/A)
P-1487(1)(2)	736	J-1306	PRV-15	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1487(2)	2,562	PRV-15	J-1277	16.0	PVC	120.0	1.280	(N/A)	(N/A)
P-1488(1)	1,690	J-1276	J-1389	16.0	PVC	120.0	0.000	904.5	1.44
P-1490	1,192	J-1244	J-1280	16.0	PVC	120.0	0.800	1,172.7	1.87
P-1491(1)	1,685	J-1280	J-1357	16.0	PVC	120.0	0.800	1,172.7	1.87
P-1493	37	City Tank	J-392	36.0	PVC	120.0	0.000	1,440.6	0.45
P-1495(1)(1)(1)	620	J-1286	J-1385	16.0	PVC	120.0	0.000	1,745.2	2.78
P-1495(1)(1)(2)	437	J-1385	J-1384	16.0	PVC	120.0	0.050	2,268.7	3.62
P-1495(1)(2)	337	J-1384	J-1380	16.0	PVC	120.0	0.050	2,268.7	3.62
P-1495(2)(1)	289	J-1380	J-1381	16.0	PVC	120.0	0.000	2,268.7	3.62
P-1495(2)(2)(1)(2)	1,559	J-1383	J-1382	16.0	PVC	120.0	0.000	2,898.4	4.62
P-1495(2)(2)(2)	1,307	J-1382	J-905	16.0	PVC	120.0	0.050	3,207.4	5.12
P-1503	1,658	J-1295	J-480	16.0	PVC	120.0	1.280	3,163.5	5.05
P-1512(1)	823	J-1311	PRV-39	16.0	PVC	120.0	0.750	(N/A)	(N/A)
P-1512(2)	1,498	PRV-39	J-1312	16.0	PVC	120.0	0.750	(N/A)	(N/A)
P-1516	1,281	J-1244	J-1243	16.0	PVC	120.0	0.350	37.9	0.06
P-1517	1,610	J-1262	J-1302	16.0	PVC	120.0	0.000	2,563.7	4.09
P-1518	4,099	J-480	J-506	16.0	PVC	120.0	0.750	3,610.5	5.76
P-1519	2,636	J-1276	J-1275	16.0	PVC	120.0	0.350	1,069.5	1.71
P-1533	1,864	J-1330	J-1331	12.0	PVC	120.0	0.000	1,232.1	3.50
P-1534	836	J-150	J-1330	12.0	PVC	120.0	0.800	1,232.1	3.50
P-1535	1,182	J-1318	J-1332	8.0	PVC	120.0	1.280	526.5	3.36
P-1536(1)	474	J-1326	J-1407	12.0	PVC	120.0	0.000	1,638.3	4.65
P-1536(2)	3,644	J-1407	J-1333	12.0	PVC	120.0	0.350	1,368.3	3.88
P-1537	2,317	J-1333	J-495	12.0	PVC	120.0	1.280	149.3	0.42
P-1538	2,154	J-1334	J-1335	8.0	PVC	120.0	1.280	846.0	5.40
P-1539	1,535	J-1336	J-1337	12.0	PVC	120.0	0.750	982.5	2.79

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-1541	891	J-1262	J-1339	16.0	PVC	120.0	0.750	855.0	1.36
P-1543(1)	1,491	J-499	J-1343	8.0	PVC	120.0	1.280	255.0	1.63
P-1545	643	J-306	J-1344	8.0	PVC	120.0	1.280	79.5	0.51
P-1547	509	J-1346	J-1347	8.0	PVC	120.0	1.280	290.1	1.85
P-1549	839	J-464	J-1350	8.0	PVC	120.0	0.500	102.0	0.65
P-1550	2,349	J-463	J-1351	12.0	PVC	120.0	1.280	999.0	2.83
P-1551	686	J-1336	J-1354	8.0	PVC	120.0	0.000	265.5	1.69
P-1552(1)	1,088	J-1259	J-1355	16.0	PVC	120.0	0.000	818.9	1.31
P-1552(2)	1,627	J-1355	J-1254	16.0	PVC	120.0	0.350	967.6	1.54
P-1553(1)	2,003	J-1355	J-1636	16.0	PVC	120.0	1.280	1,786.5	2.85
P-1553(2)	1,003	J-1636	J-1356	16.0	PVC	120.0	0.800	1,786.5	2.85
P-1554(2)	1,272	J-1391	J-1358	16.0	PVC	120.0	1.280	1,139.1	1.82
P-1555(1)	3,227	J-1259	J-1657	16.0	PVC	120.0	0.800	818.9	1.31
P-1555(2)(1)	859	J-1657	J-1662	16.0	PVC	120.0	0.500	1,447.1	2.31
P-1555(2)(2)	853	J-1662	J-1243	16.0	PVC	120.0	1.280	1,447.1	2.31
P-1556	3,213	J-1254	J-1358	16.0	PVC	120.0	0.800	967.6	1.54
P-1557	784	J-1359	J-1360	16.0	PVC	120.0	1.280	498.0	0.79
P-1566	2,413	J-1243	J-1242	16.0	PVC	120.0	0.350	1,409.2	2.25
P-1567	2,072	J-1302	J-1311	16.0	PVC	120.0	0.000	3,268.7	5.22
P-1571	2,039	J-1295	J-1373	16.0	PVC	120.0	0.750	2,017.5	3.22
P-1572	1,896	J-1295	J-1374	16.0	PVC	120.0	0.000	1,146.0	1.83
P-1573	814	J-1376	J-1377	8.0	PVC	120.0	1.280	184.5	1.18
P-1575	362	J-1286	J-1386	16.0	PVC	120.0	0.000	1,745.2	2.78
P-1578	5,426	J-1242	J-1311	16.0	PVC	120.0	0.750	2,716.6	4.33
P-1579	453	J-1392	J-1393	8.0	PVC	120.0	1.280	546.0	3.48
P-1581	1,125	J-1399	J-1400	12.0	PVC	120.0	1.280	1,563.0	4.43
P-1582	1,287	J-1402	J-1403	12.0	PVC	120.0	1.280	0.0	0.00
P-1583	618	J-1405	J-1406	12.0	PVC	120.0	1.280	822.0	2.33
P-1584	497	J-1407	J-1408	8.0	PVC	120.0	1.280	270.0	1.72
P-1585	241	J-1409	J-1410	12.0	PVC	120.0	0.500	206.0	0.58
P-1586	354	J-1411	J-1412	8.0	PVC	120.0	1.280	415.5	2.65
P-1587	227	J-1413	J-1414	8.0	PVC	120.0	1.280	379.2	2.42
P-1590	673	J-1416	J-1417	8.0	PVC	120.0	0.000	525.6	3.35
P-1591	1,405	J-1333	J-1418	12.0	PVC	120.0	0.350	1,219.0	3.46
P-1595	896	J-1116	J-1423	16.0	PVC	120.0	0.100	0.0	0.00
P-1596	33	J-652	J-655	16.0	PVC	120.0	0.350	1,226.6	1.96
P-1597(1)(1)	625	J-1423	PRV-36	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1597(1)(2)	754	PRV-36	J-1691	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1597(2)	1,537	J-1691	J-1425	16.0	PVC	120.0	0.000	733.7	1.17
P-1598	1,903	J-1425	J-1426	16.0	PVC	120.0	0.300	733.7	1.17
P-1599	1,107	J-1426	J-1427	12.0	PVC	120.0	0.300	286.8	0.81
P-1600	1,101	J-1427	J-1428	12.0	PVC	120.0	0.000	286.8	0.81
P-1601	1,057	J-1428	J-1429	12.0	PVC	120.0	0.300	286.8	0.81
P-1602	546	J-1429	J-1430	8.0	PVC	120.0	0.000	286.8	1.83
P-1603	406	J-1430	J-1431	8.0	PVC	120.0	0.350	286.8	1.83
P-1616	906	J-464	J-208	8.0	PVC	120.0	0.300	306.8	1.96
P-1617	909	J-463	J-464	8.0	PVC	120.0	0.350	204.8	1.31
P-1617	690	J-655	J-1446	16.0	PVC	120.0	1.280	239.7	0.38
P-1617	1,207	J-1699	J-1692	16.0	PVC	120.0	1.280	595.1	0.95
P-1618	293	J-1386	J-463	16.0	PVC	120.0	0.000	866.2	1.38
P-1618	890	J-1446	J-1447	16.0	PVC	120.0	0.100	239.7	0.38
P-1619	220	J-1293	J-1386	8.0	PVC	120.0	0.000	879.0	5.61
P-1619(1)	94	J-1447	J-1464	16.0	PVC	120.0	0.000	239.7	0.38
P-1619(2)	144	J-1464	J-1448	16.0	PVC	120.0	0.050	239.7	0.38
P-1620	253	J-462	J-1293	8.0	PVC	120.0	0.000	879.0	5.61
P-1620	327	J-1448	J-1449	16.0	PVC	120.0	0.050	239.7	0.38
P-1621	802	J-486	J-462	8.0	PVC	120.0	0.300	879.0	5.61
P-1621(1)	270	J-1449	J-1465	16.0	PVC	120.0	0.500	239.7	0.38
P-1621(2)	227	J-1465	J-1450	16.0	PVC	120.0	0.000	565.1	0.90
P-1622	555	J-455	J-486	6.0	PVC	120.0	0.000	36.0	0.41
P-1622(1)	178	J-1450	J-1468	16.0	PVC	120.0	0.000	565.1	0.90
P-1622(2)	146	J-1468	J-1451	16.0	PVC	120.0	0.350	565.1	0.90
P-1623	102	J-455	J-456	6.0	PVC	120.0	0.000	36.0	0.41
P-1623	94	J-1451	J-1452	16.0	PVC	120.0	0.000	565.1	0.90
P-1624	306	J-456	J-465	4.0	PVC	120.0	0.200	36.0	0.92
P-1624	132	J-1452	J-1453	16.0	PVC	120.0	0.000	565.1	0.90
P-1625	377	J-465	J-448	4.0	PVC	120.0	0.000	21.0	0.54
P-1625(1)	1,153	J-1453	J-1471	16.0	PVC	120.0	0.000	565.1	0.90
P-1625(2)	255	J-1471	J-1454	16.0	PVC	120.0	0.100	565.1	0.90
P-1626	271	J-448	J-466	4.0	PVC	120.0	0.000	21.0	0.54
P-1627	345	J-466	J-458	4.0	PVC	120.0	0.350	21.0	0.54
P-1628	357	J-458	J-468	3.0	PVC	120.0	0.000	12.0	0.54
P-1628	172	J-1454	J-1457	16.0	PVC	120.0	0.500	565.1	0.90
P-1629	1,046	J-1457	J-1458	16.0	PVC	120.0	0.750	3,207.4	5.12
P-1630	369	J-468	J-460	3.0	PVC	120.0	0.000	12.0	0.54
P-1630	877	J-1458	J-1459	16.0	PVC	120.0	0.000	3,207.4	5.12
P-1631	313	J-460	J-461	2.0	PVC	120.0	0.800	12.0	1.23
P-1631	793	J-1459	J-905	16.0	PVC	120.0	0.050	3,207.4	5.12
P-1632	250	J-458	J-459	2.0	PVC	120.0	1.280	9.0	0.92
P-1633	390	J-188	J-234	10.0	PVC	120.0	0.000	428.3	1.75
P-1634	419	J-501	J-303	6.0	PVC	120.0	0.500	111.0	1.26
P-1635	489	J-651	J-236	16.0	PVC	120.0	0.300	1,226.6	1.96
P-1636	172	J-655	J-328	16.0	PVC	120.0	0.000	986.9	1.57
P-1636	458	J-1465	J-1466	8.0	PVC	120.0	0.750	439.5	2.81
P-1637	122	J-870	J-335	16.0	PVC	120.0	0.000	575.1	0.92
P-1651	304	J-1457	J-1483	16.0	PVC	120.0	0.050	2,291.6	3.66

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-1652	362	J-1483	J-1484	16.0	PVC	120.0	0.050	2,291.6	3.66
P-1653	385	J-1484	J-1485	16.0	PVC	120.0	0.050	2,291.6	3.66
P-1654	275	J-1485	J-1486	16.0	PVC	120.0	0.500	2,291.6	3.66
P-1654(1)	382	J-1498	J-1484	12.0	PVC	120.0	0.350	0.0	0.00
P-1654(2)	609	J-1498	J-1485	12.0	PVC	120.0	0.000	0.0	0.00
P-1655	254	J-1486	J-1487	16.0	PVC	120.0	0.100	0.0	0.00
P-1655	183	J-1709	J-1498	12.0	PVC	120.0	1.280	19.5	0.06
P-1656	188	J-1487	J-488	16.0	PVC	120.0	0.350	0.0	0.00
P-1662	504	J-1457	J-1494	16.0	PVC	120.0	0.050	1,480.8	2.36
P-1663	486	J-1494	J-1495	16.0	PVC	120.0	0.050	1,480.8	2.36
P-1664	508	J-1495	J-1496	16.0	PVC	120.0	0.000	1,480.8	2.36
P-1665(1)	232	J-1496	J-1513	16.0	PVC	120.0	0.300	1,480.8	2.36
P-1665(2)	732	J-1513	J-1497	16.0	PVC	120.0	0.000	611.3	0.98
P-1666	566	J-1497	J-2022	16.0	PVC	120.0	0.000	611.3	0.98
P-1667	771	J-2022	J-1499	16.0	PVC	120.0	0.500	611.3	0.98
P-1668	846	J-1499	J-1500	16.0	PVC	120.0	0.000	651.5	1.04
P-1669(1)	256	J-1500	J-1507	16.0	PVC	120.0	0.000	651.5	1.04
P-1669(2)	332	J-1507	J-1501	16.0	PVC	120.0	0.000	651.5	1.04
P-1670	520	J-1501	J-1502	16.0	PVC	120.0	0.050	651.5	1.04
P-1671	318	J-1502	J-1503	16.0	PVC	120.0	0.050	651.5	1.04
P-1672(1)	131	J-1503	J-1519	16.0	PVC	120.0	0.500	651.5	1.04
P-1672(2)	305	J-1519	J-1504	16.0	PVC	120.0	0.050	389.0	0.62
P-1673	490	J-1504	J-1505	16.0	PVC	120.0	0.050	389.0	0.62
P-1674(1)	174	J-1505	J-1525	16.0	PVC	120.0	0.000	389.0	0.62
P-1674(2)	286	J-1525	J-1506	16.0	PVC	120.0	1.280	389.0	0.62
P-1678	723	J-1499	J-1511	8.0	PVC	120.0	0.750	362.0	2.31
P-1679	654	J-1499	J-1512	8.0	PVC	120.0	0.000	321.8	2.05
P-1680(1)	393	J-1513	J-1517	16.0	PVC	120.0	0.500	3,519.0	5.62
P-1680(2)	646	J-1517	J-1514	16.0	PVC	120.0	0.000	3,519.0	5.62
P-1681	841	J-1514	J-1515	16.0	PVC	120.0	0.000	4,481.0	7.15
P-1685	349	J-1519	J-1521	8.0	PVC	120.0	0.000	131.3	0.84
P-1687	362	J-1519	J-1523	8.0	PVC	120.0	0.750	131.3	0.84
P-1704(1)	159	J-1116	PRV-31	12.0	PVC	120.0	0.500	(N/A)	(N/A)
P-1704(2)	199	PRV-31	J-1540	12.0	PVC	120.0	0.500	(N/A)	(N/A)
P-1705	614	J-1540	J-1541	12.0	PVC	120.0	0.050	547.3	1.55
P-1706(1)	190	J-1541	J-1559	12.0	PVC	120.0	0.000	547.3	1.55
P-1706(2)	544	J-1559	J-1542	12.0	PVC	120.0	0.500	23.5	0.07
P-1707	410	J-1542	J-1543	12.0	PVC	120.0	0.500	2,524.9	7.16
P-1708(1)	115	J-1543	J-1557	12.0	PVC	120.0	0.000	2,524.9	7.16
P-1708(2)	445	J-1557	J-1544	12.0	PVC	120.0	0.000	2,524.9	7.16
P-1709(1)	251	J-1544	J-1554	12.0	PVC	120.0	0.000	2,524.9	7.16
P-1709(2)	311	J-1554	J-1545	12.0	PVC	120.0	0.500	1,954.1	5.54
P-1710(1)	94	J-1545	J-1551	12.0	PVC	120.0	0.050	1,954.1	5.54
P-1710(2)	103	J-1551	J-1546	12.0	PVC	120.0	0.050	1,954.1	5.54
P-1711	328	J-1546	J-1547	12.0	PVC	120.0	0.050	1,954.1	5.54
P-1712	172	J-1547	J-1548	12.0	PVC	120.0	0.000	1,954.1	5.54
P-1713	183	J-1548	J-1549	12.0	PVC	120.0	0.100	1,954.1	5.54
P-1714	202	J-1549	J-1550	12.0	PVC	120.0	0.100	1,954.1	5.54
P-1715	403	J-1550	J-1326	12.0	PVC	120.0	0.750	1,954.1	5.54
P-1721	510	J-1559	J-1560	8.0	PVC	120.0	0.000	285.4	1.82
P-1722	599	J-1559	J-1561	8.0	PVC	120.0	0.750	285.4	1.82
P-1723	924	J-1013	J-1562	8.0	PVC	120.0	0.750	487.5	3.11
P-1729	571	J-1573	J-1574	8.0	PVC	120.0	0.750	487.5	3.11
P-1730	545	J-1573	J-1575	8.0	PVC	120.0	0.000	487.5	3.11
P-1732	483	J-1326	J-1577	16.0	PVC	120.0	0.000	2,118.9	3.38
P-1733	3,069	J-1577	J-1578	16.0	PVC	120.0	0.300	2,118.9	3.38
P-1734	2,082	J-1578	J-1579	16.0	PVC	120.0	0.000	780.3	1.25
P-1735	1,454	J-1579	J-1580	16.0	PVC	120.0	0.300	780.3	1.25
P-1747	1,039	J-1426	J-1594	16.0	PVC	120.0	0.500	447.0	0.71
P-1748	1,631	J-1594	J-1595	16.0	PVC	120.0	0.000	447.0	0.71
P-1749	1,358	J-1595	J-1596	16.0	PVC	120.0	0.000	2,470.9	3.94
P-1750(1)	2,438	J-1596	J-1602	24.0	PVC	120.0	0.750	3,767.1	2.67
P-1750(2)(1)	1,137	J-1602	J-1638	24.0	PVC	120.0	1.280	6,116.1	4.34
P-1750(2)(2)(1)	121	J-1638	J-1716	24.0	PVC	120.0	0.000	6,116.1	4.34
P-1750(2)(2)(2)	1,215	J-1716	J-1597	24.0	PVC	120.0	0.000	6,116.1	4.34
P-1751(1)(1)(1)	389	J-482	PRV-34	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1751(1)(1)(2)	1,474	PRV-34	J-1692	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1751(1)(2)	848	J-1692	J-1601	16.0	PVC	120.0	0.000	733.7	1.17
P-1751(2)	2,407	J-1601	J-1596	16.0	PVC	120.0	0.500	733.7	1.17
P-1752(1)	2,306	J-1596	J-1600	8.0	PVC	120.0	0.000	562.5	3.59
P-1754(1)(1)	163	J-1427	PRV-33	12.0	PVC	120.0	0.500	(N/A)	(N/A)
P-1754(1)(2)(1)	1,605	PRV-33	J-1729	12.0	PVC	120.0	0.500	(N/A)	(N/A)
P-1754(1)(2)(2)	2,585	J-1729	J-1604	12.0	PVC	120.0	0.500	816.1	2.31
P-1754(2)(1)	3,432	J-1604	J-1628	16.0	PVC	120.0	0.500	1,428.5	2.28
P-1754(2)(2)	2,390	J-1628	J-1580	16.0	PVC	120.0	1.280	780.3	1.25
P-1756	1,353	J-256	J-1542	12.0	PVC	120.0	0.750	10.9	0.03
P-1757(1)(1)	1,954	J-1542	J-1690	16.0	PVC	120.0	0.500	2,537.5	4.05
P-1757(1)(2)	1,452	J-1690	J-1631	16.0	PVC	120.0	0.500	6,660.9	10.63
P-1757(2)	2,772	J-1631	J-1604	16.0	PVC	120.0	0.750	3,392.0	5.41
P-1782	1,669	J-1628	J-1630	16.0	PVC	120.0	1.280	2,208.7	3.52
P-1783	1,647	J-1631	J-1632	12.0	PVC	120.0	0.750	1,564.3	4.44
P-1784	1,267	J-1631	J-1633	12.0	PVC	120.0	0.000	1,704.6	4.84
P-1785(1)	1,421	J-1597	J-1315	24.0	PVC	120.0	0.000	6,116.1	4.34
P-1785(2)	1,302	J-1315	J-1634	24.0	PVC	120.0	1.280	8,558.1	6.07
P-1786(1)	2,369	J-481	PRV-19	16.0	PVC	120.0	1.280	(N/A)	(N/A)
P-1786(2)	2,738	PRV-19	J-1638	16.0	PVC	120.0	1.280	(N/A)	(N/A)

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-1787	632	J-495	J-1639	12.0	PVC	120.0	0.750	844.5	2.40
P-1788	619	J-1418	J-1640	8.0	PVC	120.0	0.800	897.0	5.73
P-1789	782	J-1578	J-1641	12.0	PVC	120.0	0.500	1,338.6	3.80
P-1790	1,492	J-1604	J-1642	12.0	PVC	120.0	0.000	1,147.5	3.26
P-1792	713	J-1431	J-1644	8.0	PVC	120.0	0.000	286.8	1.83
P-1793	495	J-1554	J-1645	8.0	PVC	120.0	0.000	285.4	1.82
P-1794	441	J-1554	J-1646	8.0	PVC	120.0	0.750	285.4	1.82
P-1795	639	J-1013	J-1648	8.0	PVC	120.0	0.000	585.8	3.74
P-1796	516	J-1465	J-1649	8.0	PVC	120.0	0.000	114.2	0.73
P-1797	564	J-1486	J-1650	8.0	PVC	120.0	0.750	591.8	3.78
P-1798	552	J-1486	J-1651	16.0	PVC	120.0	0.000	2,883.4	4.60
P-1799	358	J-1515	J-875	24.0	PVC	120.0	0.000	7,956.1	5.64
P-1802	680	J-332	J-1415	8.0	PVC	120.0	1.280	162.3	1.04
P-1804	1,288	J-1391	J-1657	16.0	PVC	120.0	0.000	260.4	0.42
P-1805	2,414	J-1657	J-1357	16.0	PVC	120.0	0.750	367.8	0.59
P-1807	222	J-1381	J-1664	16.0	PVC	120.0	0.750	2,268.7	3.62
P-1808	154	J-1664	J-1383	16.0	PVC	120.0	0.050	2,898.4	4.62
P-1809(1)	558	J-1326	J-1674	12.0	PVC	120.0	0.500	1,803.1	5.11
P-1809(2)	689	J-1674	J-1673	12.0	PVC	120.0	0.350	1,803.1	5.11
P-1810	274	J-1673	J-243	12.0	PVC	120.0	0.300	1,803.1	5.11
P-1812	74	J-1313	U Tank 2	36.0	PVC	120.0	0.000	10,426.5	3.29
P-1818	594	J-478	J-1681	16.0	PVC	120.0	0.000	2,047.3	3.27
P-1819	4,706	J-1681	J-479	16.0	PVC	120.0	0.000	2,047.3	3.27
P-1820	1,657	J-479	J-484	16.0	PVC	120.0	0.000	837.0	1.34
P-1822	682	J-318	J-1683	12.0	PVC	120.0	1.280	184.5	0.52
P-1823	251	U Tank 1	J-1311	36.0	PVC	120.0	0.000	9,978.0	3.15
P-1823	564	J-216	J-1685	8.0	PVC	120.0	0.800	208.8	1.33
P-1824	128	R-25	U Tank 1	36.0	PVC	120.0	0.000	461,668.8	145.52
P-1824	380	J-1685	J-1686	8.0	PVC	120.0	0.200	208.8	1.33
P-1825	297	J-1686	J-1687	8.0	PVC	120.0	0.050	208.8	1.33
P-1826	123	J-1687	J-1475	8.0	PVC	120.0	0.100	208.8	1.33
P-1827	519	J-1475	J-1707	8.0	PVC	120.0	0.800	289.8	1.85
P-1828	304	U Tank 3	J-1634	36.0	PVC	120.0	0.000	10,532.1	3.32
P-1828	285	J-1707	J-325	8.0	PVC	120.0	0.350	289.8	1.85
P-1829	272	R-28	U Tank 3	36.0	PVC	120.0	0.000	293,301.3	92.45
P-1830	1,302	J-1691	J-1513	16.0	PVC	120.0	0.000	1,426.9	2.28
P-1831	1,151	J-1692	J-1691	16.0	PVC	120.0	0.500	595.1	0.95
P-1833	1,850	J-1312	J-1687	12.0	PVC	120.0	0.000	447.0	1.27
P-1835	1,767	J-1691	J-1512	12.0	PVC	120.0	0.000	278.2	0.79
P-1836	2,260	J-1511	J-1514	12.0	PVC	120.0	0.000	962.0	2.73
P-1837	1,205	J-1649	J-1691	12.0	PVC	120.0	0.750	553.7	1.57
P-1838	1,297	J-252	J-1540	16.0	PVC	120.0	0.000	547.3	0.87
P-1838(1)	1,756	J-1690	J-1694	24.0	PVC	120.0	0.000	9,198.4	6.52
P-1838(2)(1)	576	J-1694	PRV-32	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1838(2)(2)	270	PRV-32	J-1691	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1839	5,053	J-1691	J-1692	16.0	PVC	120.0	0.000	733.7	1.17
P-1842	179	J-1694	U Tank 4	36.0	PVC	120.0	0.000	9,198.4	2.90
P-1843	203	U Tank 4	R-29	36.0	PVC	120.0	0.000	370,234.4	116.70
P-1844	1,306	J-484	J-1397	12.0	PVC	120.0	0.000	837.0	2.37
P-1845(1)	1,110	J-502	J-1732	24.0	PVC	120.0	0.000	8,241.0	5.84
P-1845(2)	390	J-1732	J-258	24.0	PVC	120.0	0.000	8,241.0	5.84
P-1846	91	Airport GST	J-1696	24.0	PVC	120.0	0.000	9,639.4	6.84
P-1847	99	J-1696	J-391	24.0	PVC	120.0	0.000	9,639.4	6.84
P-1849	31	J-508	J-507	16.0	PVC	120.0	0.000	2,663.5	4.25
P-1865	1,253	J-309	J-991	8.0	PVC	120.0	0.000	156.5	1.00
P-1867	1,782	J-1515	J-1651	16.0	PVC	120.0	0.000	3,475.1	5.55
P-1868	3,631	J-1303	J-1314	16.0	PVC	120.0	0.000	4,232.3	6.75
P-1869	1,662	J-1729	J-1643	12.0	PVC	120.0	0.000	816.1	2.31
P-1870	2,568	J-506	J-1379	16.0	PVC	120.0	0.000	855.0	1.36
P-1871	1,684	J-1294	J-1295	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1872(1)	1,315	J-1379	PRV-41	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1872(2)	4	PRV-41	J-1378	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1877	635	J-1648	J-1668	12.0	PVC	120.0	0.000	1,073.3	3.04
P-1900	59	R-26	U Tank 2	36.0	PVC	120.0	0.000	680,816.3	214.59
Polyline	725	J-1395	J-1394	8.0	PVC	120.0	1.280	186.0	1.19
Polyline(2)(1)(1)(1)	89	J-488	PRV-40	16.0	PVC	120.0	0.000	(N/A)	(N/A)
Polyline(2)(1)(1)(2)	501	PRV-40	J-1294	16.0	PVC	120.0	0.000	(N/A)	(N/A)

FlexTable: Junction Table

Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-2	868.92	0.0	922.73	23.3
J-3	756.96	0.0	923.54	72.1
J-4	753.28	0.0	923.57	73.7
J-5	754.47	13.5	923.43	73.1
J-6	752.64	0.0	922.25	73.4
J-7	754.00	18.0	921.02	72.3
J-9	756.71	0.0	920.58	70.9
J-10	757.33	16.5	920.39	70.5
J-11	737.39	0.0	922.25	80.0
J-12	756.69	42.0	923.86	72.3
J-13	774.11	0.0	923.86	64.8
J-14	756.47	0.0	923.63	72.3
J-15	757.63	0.0	923.62	71.8
J-16	758.80	0.0	923.62	71.3
J-17	762.03	0.0	923.99	70.1
J-18	769.12	0.0	922.51	66.4
J-19	782.35	46.5	921.39	60.2
J-20	780.09	27.0	920.41	60.7
J-21	774.31	0.0	920.03	63.0
J-22	773.51	55.5	919.68	63.2
J-23	773.00	0.0	919.42	63.3
J-24	772.00	24.0	919.16	63.7
J-25	770.80	16.5	919.06	64.1
J-26	756.00	0.0	922.25	71.9
J-27	757.00	40.5	922.25	71.5
J-28	760.87	0.0	922.25	69.8
J-29	766.90	30.0	922.09	67.1
J-30	907.43	0.0	932.00	10.6
J-31	779.79	0.0	925.19	62.9
J-32	764.44	0.0	924.53	69.3
J-33	759.68	0.0	923.62	70.9
J-34	756.23	0.0	921.04	71.3
J-36	757.00	0.0	919.81	70.4
J-37	758.00	0.0	918.53	69.5
J-38	759.34	25.5	917.55	68.5
J-39	761.11	0.0	916.83	67.4
J-40	756.24	19.5	920.48	71.1
J-41	757.00	0.0	920.47	70.7
J-42	757.00	0.0	920.47	70.7
J-43	762.38	45.0	920.44	68.4
J-45	755.84	22.5	920.50	71.2
J-48	756.66	10.5	920.29	70.8
J-50	757.01	0.0	920.29	70.6
J-51	782.22	0.0	922.73	60.8
J-52	791.57	27.0	923.82	57.2
J-53	756.81	18.0	919.72	70.5
J-54	757.00	0.0	919.19	70.2
J-55	758.00	0.0	918.65	69.5
J-58	760.00	0.0	918.27	68.5
J-59	761.00	37.5	917.82	67.8
J-60	760.84	0.0	912.75	65.7
J-61	757.84	0.0	918.53	69.5
J-62	756.87	0.0	919.73	70.5
J-63	759.00	0.0	919.42	69.4
J-65	757.00	0.0	920.44	70.7
J-66	784.61	0.0	921.44	59.2
J-68	807.49	4.5	920.38	48.8
J-69	811.45	0.0	920.38	47.1
J-71	789.74	0.0	920.12	56.4
J-72	764.83	81.0	919.75	67.0
J-73	761.00	0.0	919.43	68.5
J-74	760.00	0.0	918.72	68.7
J-75	760.00	0.0	918.28	68.5
J-79	762.45	0.0	919.93	68.1
J-80	766.50	0.0	919.76	66.3
J-81	761.13	0.0	919.61	68.6
J-82	759.74	0.0	918.83	68.8
J-83	760.00	52.5	918.28	68.5
J-84	760.00	0.0	918.28	68.5
J-85	762.11	54.0	918.17	67.5
J-86	761.50	0.0	918.06	67.7
J-88	760.85	0.0	918.22	68.1
J-89	762.38	0.0	918.07	67.4
J-90	762.67	(N/A)	(N/A)	(N/A)
J-92	762.00	0.0	918.08	67.5
J-93	762.27	12.0	918.08	67.4
J-94	761.00	0.0	918.08	68.0
J-95	761.13	12.0	918.08	67.9
J-96	738.68	0.0	918.08	77.6
J-97	761.64	0.0	918.08	67.7
J-98	763.00	0.0	918.22	67.2
J-99	764.00	0.0	918.22	66.7
J-100	764.00	0.0	918.25	66.7
J-101	764.03	0.0	918.25	66.7
J-102	760.79	0.0	918.37	68.2
J-103	761.63	63.0	918.26	67.8

FlexTable: Junction Table

Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-104	760.95	0.0	918.26	68.1
J-105	764.00	16.5	918.22	66.7
J-106	783.65	36.0	942.73	68.8
J-107	786.75	0.0	942.73	67.5
J-109	765.72	0.0	918.52	66.1
J-110	765.00	25.5	918.39	66.4
J-111	763.23	0.0	918.37	67.1
J-112	764.26	21.0	918.29	66.6
J-113	763.00	0.0	918.55	67.3
J-114	762.00	0.0	918.44	67.7
J-115	763.22	0.0	918.43	67.2
J-116	765.00	0.0	918.42	66.4
J-117	765.45	0.0	918.41	66.2
J-118	765.00	0.0	918.48	66.4
J-119	762.87	0.0	918.53	67.3
J-120	765.86	39.0	918.41	66.0
J-121	804.38	0.0	919.23	49.7
J-122	783.85	0.0	919.23	58.6
J-123	783.85	0.0	919.20	58.6
J-124	766.00	31.5	918.67	66.1
J-125	765.00	0.0	918.61	66.5
J-126	763.00	0.0	918.56	67.3
J-127	764.12	0.0	918.52	66.8
J-129	764.87	10.5	918.72	66.6
J-130	780.79	0.0	919.10	59.8
J-131	780.16	0.0	919.10	60.1
J-132	790.00	0.0	919.09	55.9
J-133	788.00	24.0	1,015.84	98.6
J-134	789.10	0.0	1,015.84	98.1
J-135	792.83	0.0	1,015.86	96.5
J-136	814.48	0.0	1,015.98	87.2
J-137	826.14	0.0	1,016.18	82.2
J-138	837.92	0.0	1,016.34	77.2
J-139	854.06	0.0	1,016.44	70.3
J-141	865.41	12.0	1,016.43	65.3
J-142	849.01	0.0	1,021.94	74.8
J-143	850.99	0.0	1,021.94	74.0
J-144	852.89	0.0	1,021.94	73.1
J-145	805.20	0.0	1,015.87	91.1
J-146	803.40	0.0	1,015.87	91.9
J-147	822.90	0.0	1,016.47	83.7
J-148	850.84	0.0	1,016.91	71.9
J-149	884.73	0.0	1,017.02	57.2
J-150	935.05	0.0	976.97	18.1
J-151	785.98	0.0	919.70	57.9
J-152	802.00	0.0	919.08	50.7
J-153	779.54	0.0	919.09	60.4
J-154	775.15	9.0	919.09	62.3
J-155	807.58	0.0	919.40	48.4
J-156	784.92	0.0	919.42	58.2
J-157	773.56	(N/A)	(N/A)	(N/A)
J-158	789.03	0.0	920.37	56.8
J-159	765.93	0.0	918.61	66.1
J-160	762.11	37.5	918.54	67.7
J-162	763.86	0.0	918.59	66.9
J-163	766.24	0.0	918.61	65.9
J-165	763.00	19.5	918.59	67.3
J-166	761.90	0.0	918.91	67.9
J-167	764.88	0.0	919.44	66.9
J-168	766.55	0.0	919.67	66.2
J-169	765.91	0.0	919.44	66.4
J-170	765.73	0.0	918.59	66.1
J-171	762.36	28.5	918.56	67.6
J-172	763.00	0.0	918.55	67.3
J-173	761.00	0.0	918.56	68.2
J-174	760.36	0.0	918.76	68.5
J-175	742.22	0.0	918.39	76.2
J-176	753.87	15.0	897.73	62.2
J-177	756.00	0.0	899.35	62.0
J-178	755.00	0.0	881.38	54.7
J-179	756.00	0.0	906.32	65.0
J-180	757.28	0.0	907.38	64.9
J-181	756.51	7.5	906.61	64.9
J-182	759.32	24.0	912.00	66.1
J-183	769.88	0.0	910.56	60.9
J-184	780.48	0.0	910.56	56.3
J-185	764.04	0.0	912.06	64.0
J-186	764.38	10.5	912.57	64.1
J-187	787.66	0.0	963.33	76.0
J-188	786.80	0.0	969.12	78.9
J-189	787.86	0.0	959.35	74.2
J-190	794.65	0.0	957.57	70.5
J-191	788.24	0.0	956.66	72.9
J-192	767.62	0.0	954.33	80.8
J-193	766.56	0.0	954.29	81.2
J-194	769.88	0.0	947.34	76.8

FlexTable: Junction Table

Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-196	769.96	0.0	947.58	76.8
J-197	766.35	0.0	953.79	81.1
J-198	766.22	0.0	954.25	81.4
J-199	765.97	0.0	954.25	81.5
J-200	765.07	3.0	954.29	81.9
J-201	763.00	0.0	954.29	82.8
J-202	766.71	0.0	954.29	81.2
J-203	784.40	0.0	948.51	71.0
J-204	784.30	0.0	948.78	71.2
J-205	785.00	0.0	948.48	70.7
J-206	777.79	0.0	946.35	72.9
J-207	783.05	0.0	945.06	70.1
J-208	796.75	0.0	939.77	61.9
J-209	789.80	12.0	942.71	66.2
J-210	770.11	0.0	942.71	74.7
J-211	795.05	0.0	942.71	63.9
J-212	785.16	0.0	948.55	70.7
J-213	784.19	18.0	948.55	71.1
J-214	784.00	19.5	950.14	71.9
J-215	782.38	0.0	951.53	73.2
J-216	781.47	0.0	952.42	74.0
J-217	784.00	4.5	948.54	71.2
J-218	783.00	10.5	950.10	72.3
J-219	782.00	9.0	951.50	73.3
J-221	782.43	21.0	949.89	72.5
J-222	781.43	0.0	950.69	73.2
J-223	777.49	0.0	958.76	78.4
J-224	779.13	0.0	961.61	78.9
J-225	780.95	0.0	964.59	79.5
J-226	781.68	0.0	966.53	80.0
J-227	783.10	40.5	970.07	80.9
J-228	783.73	9.0	949.86	71.9
J-229	782.78	9.0	950.66	72.6
J-230	780.52	16.5	958.74	77.1
J-231	787.09	18.0	961.59	75.5
J-232	792.98	16.5	964.57	74.2
J-233	784.52	0.0	966.53	78.7
J-234	785.73	12.0	969.70	79.6
J-235	772.34	6.0	978.56	89.2
J-236	778.00	0.0	976.50	85.9
J-237	768.50	0.0	977.98	90.6
J-238	770.53	0.0	926.82	67.6
J-239	769.23	9.0	923.00	66.5
J-240	767.53	0.0	923.00	67.3
J-241	763.05	0.0	907.41	62.5
J-242	762.97	0.0	903.05	60.6
J-243	759.76	0.0	887.46	55.2
J-250	769.68	0.0	930.87	69.7
J-251	767.29	0.0	921.92	66.9
J-252	770.05	0.0	914.12	62.3
J-253	767.63	0.0	915.65	64.0
J-254	766.80	15.0	915.15	64.2
J-255	765.00	0.0	915.21	65.0
J-256	765.00	0.0	913.04	64.0
J-257	762.83	79.6	915.07	65.9
J-258	771.60	0.0	925.99	66.8
J-259	769.94	0.0	925.99	67.5
J-260	769.58	0.0	927.74	68.4
J-261	761.47	0.0	927.74	71.9
J-262	759.41	0.0	927.74	72.8
J-263	761.00	3.0	927.74	72.1
J-264	761.00	0.0	927.74	72.1
J-265	760.27	0.0	927.74	72.5
J-266	757.85	0.0	921.02	70.6
J-267	760.91	4.5	946.03	80.1
J-268	764.86	0.0	919.75	67.0
J-269	802.53	0.0	1,015.92	92.3
J-270	814.36	0.0	1,016.36	87.4
J-271	817.10	39.0	1,016.19	86.1
J-272	830.89	31.5	1,016.35	80.2
J-273	854.25	0.0	1,016.67	70.3
J-274	932.55	21.0	980.88	20.9
J-276	907.96	0.0	999.34	39.5
J-277	867.37	0.0	1,019.95	66.0
J-278	848.29	22.5	1,016.95	73.0
J-279	832.40	0.0	1,016.71	79.7
J-280	808.19	36.0	1,015.87	89.9
J-281	800.67	12.0	1,015.88	93.1
J-282	826.29	10.5	1,025.93	86.4
J-283	807.55	0.0	919.70	48.5
J-284	798.34	37.5	919.40	52.4
J-285	794.20	0.0	919.23	54.1
J-286	791.55	34.5	919.08	55.2
J-287	770.97	0.0	918.89	64.0
J-288	769.75	0.0	918.92	64.5
J-289	802.32	19.5	920.22	51.0

FlexTable: Junction Table

Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-290	789.08	0.0	920.53	56.9
J-291	822.29	0.0	922.73	43.5
J-293	766.95	0.0	923.86	67.9
J-294	754.23	24.0	923.54	73.3
J-295	755.00	0.0	920.91	71.8
J-297	759.11	0.0	921.38	70.2
J-298	769.62	0.0	921.29	65.6
J-299	769.00	0.0	921.36	65.9
J-300	725.00	0.0	914.80	82.1
J-301	767.16	22.5	911.31	62.4
J-302	759.31	0.0	909.55	65.0
J-303	759.00	16.5	908.41	64.6
J-304	755.56	0.0	906.54	65.3
J-305	779.19	0.0	911.77	57.4
J-306	788.48	0.0	911.26	53.1
J-307	788.55	21.0	910.89	52.9
J-308	787.07	0.0	910.60	53.4
J-309	785.65	0.0	910.34	53.9
J-310	787.81	0.0	957.97	73.6
J-311	779.53	0.0	955.35	76.1
J-312	778.19	0.0	954.84	76.4
J-313	785.90	36.0	955.59	73.4
J-314	787.00	0.0	956.54	73.4
J-315	768.00	0.0	954.29	80.6
J-317	767.77	0.0	954.29	80.7
J-318	767.06	0.0	950.27	79.3
J-319	783.02	15.0	947.83	71.3
J-322	785.00	13.5	948.48	70.7
J-323	779.72	21.0	951.77	74.4
J-324	778.17	19.5	953.86	76.0
J-325	776.29	10.5	955.82	77.7
J-326	781.97	6.0	972.87	82.6
J-327	777.41	21.0	975.21	85.6
J-328	776.11	0.0	977.01	86.9
J-329	773.32	0.0	977.37	88.3
J-330	770.03	0.0	977.71	89.9
J-331	764.47	0.0	977.83	92.3
J-332	766.17	0.0	977.88	91.6
J-333	773.00	1.5	978.25	88.8
J-334	771.22	0.0	978.12	89.5
J-335	773.00	0.0	978.40	88.9
J-336	767.04	0.0	916.62	64.7
J-337	768.31	0.0	920.20	65.7
J-338	765.63	0.0	912.46	63.5
J-339	764.11	0.0	915.15	65.3
J-340	767.51	0.0	920.26	66.1
J-341	766.52	33.0	917.71	65.4
J-342	761.87	0.0	901.08	60.2
J-343	763.68	0.0	907.09	62.0
J-344	761.00	0.0	894.78	57.9
J-345	762.48	0.0	894.15	57.0
J-346	761.47	7.5	890.98	56.0
J-347	763.07	4.5	897.39	58.1
J-349	760.66	0.0	927.74	72.3
J-350	761.01	0.0	927.74	72.1
J-351	765.11	0.0	927.74	70.4
J-352	764.26	0.0	927.74	70.7
J-353	767.56	0.0	927.74	69.3
J-354	766.48	0.0	927.74	69.8
J-355	764.51	0.0	927.74	70.6
J-356	762.57	0.0	927.74	71.5
J-357	767.08	18.0	918.46	65.5
J-358	763.14	0.0	918.43	67.2
J-359	732.00	0.0	918.22	80.6
J-360	766.71	0.0	942.73	76.2
J-361	793.03	6.0	941.22	64.1
J-362	795.08	0.0	940.48	62.9
J-363	790.96	0.0	941.98	65.3
J-364	761.00	0.0	918.56	68.2
J-365	759.00	0.0	918.17	68.9
J-366	759.00	0.0	918.28	68.9
J-367	757.00	33.0	919.02	70.1
J-368	757.67	0.0	919.57	70.0
J-369	796.46	0.0	1,015.87	94.9
J-370	764.19	21.0	918.55	66.8
J-372	764.00	34.5	918.48	66.8
J-373	760.05	30.0	918.98	68.8
J-374	762.31	21.0	918.44	67.5
J-375	779.95	0.0	921.37	61.2
J-376	763.00	18.0	918.13	67.1
J-377	761.04	0.0	911.03	64.9
J-378	782.47	0.0	946.68	71.0
J-379	785.00	12.0	947.42	70.3
J-380	787.73	0.0	945.68	68.3
J-381	787.55	18.0	946.49	68.8
J-382	786.57	0.0	947.44	69.6

FlexTable: Junction Table

Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-385	864.99	0.0	922.73	25.0
J-387	809.56	0.0	1,028.98	94.9
J-391	769.00	0.0	930.73	70.0
J-392	808.99	0.0	1,030.45	95.8
J-393	772.45	0.0	926.34	66.6
J-421	852.76	0.0	928.63	32.8
J-426	773.76	0.0	919.42	63.0
J-431	764.00	0.0	918.62	66.9
J-432	861.91	0.0	924.53	27.1
J-435	764.04	0.0	919.75	67.4
J-436	768.68	0.0	919.76	65.4
J-437	767.60	0.0	919.76	65.8
J-438	764.72	0.0	919.76	67.1
J-439	762.11	0.0	919.76	68.2
J-441	759.57	0.0	919.51	69.2
J-443	761.00	0.0	918.63	68.2
J-444	763.00	0.0	918.48	67.3
J-445	797.55	0.0	920.38	53.1
J-448	808.93	0.0	914.62	45.7
J-455	784.91	0.0	915.23	56.4
J-456	788.01	0.0	915.21	55.0
J-458	818.10	0.0	914.32	41.6
J-459	825.00	9.0	913.57	38.3
J-460	814.71	0.0	913.82	42.9
J-461	813.75	12.0	912.23	42.6
J-462	783.00	0.0	928.85	63.1
J-463	795.45	72.0	936.57	61.1
J-464	801.02	0.0	937.60	59.1
J-465	804.18	15.0	914.81	47.9
J-466	810.63	0.0	914.49	44.9
J-468	816.55	0.0	914.08	42.2
J-469	757.85	60.0	906.47	64.3
J-478	805.37	0.0	1,016.52	91.4
J-479	829.76	0.0	1,030.98	87.1
J-480	898.68	0.0	1,012.53	49.3
J-481	913.27	0.0	1,043.70	56.4
J-482	819.69	0.0	991.02	74.1
J-484	809.68	0.0	1,030.12	95.4
J-485	789.78	0.0	943.14	66.4
J-486	782.56	15.0	915.33	57.4
J-488	809.45	0.0	982.21	74.7
J-490	767.10	0.0	922.54	67.3
J-492	798.62	1,015.5	981.72	79.2
J-493	772.02	0.0	978.69	89.4
J-495	724.98	0.0	850.76	54.4
J-496	735.00	0.0	875.87	60.9
J-497	740.69	1,315.5	875.91	58.5
J-498	773.27	0.0	889.64	50.3
J-499	749.91	0.0	882.64	57.4
J-500	779.00	0.0	909.40	56.4
J-501	757.97	0.0	907.78	64.8
J-502	777.00	0.0	918.50	61.2
J-506	862.04	0.0	1,044.90	79.1
J-507	769.85	0.0	931.80	70.1
J-508	769.60	0.0	931.94	70.2
J-509	769.78	(N/A)	(N/A)	(N/A)
J-651	776.33	0.0	975.97	86.4
J-652	777.13	0.0	976.83	86.4
J-655	777.00	0.0	976.88	86.5
J-870	773.00	0.0	978.37	88.9
J-875	858.21	0.0	999.68	61.2
J-905	785.77	0.0	960.27	75.5
J-991	783.00	0.0	909.49	54.7
J-993	782.04	0.0	909.47	55.1
J-995	781.82	0.0	909.47	55.2
J-1013	781.15	0.0	909.46	55.5
J-1020	780.39	0.0	909.44	55.8
J-1038	779.63	0.0	904.53	54.0
J-1039	780.01	0.0	907.02	55.0
J-1065	777.21	0.0	894.94	50.9
J-1066	777.46	0.0	897.07	51.7
J-1100	775.12	0.0	891.90	50.5
J-1101	774.34	0.0	891.05	50.5
J-1116	774.00	0.0	978.69	88.6
J-1204	772.36	0.0	978.62	89.2
J-1224	769.83	(N/A)	(N/A)	(N/A)
J-1236	959.79	2,083.5	1,036.23	33.1
J-1241	807.40	0.0	1,016.17	90.3
J-1242	812.84	0.0	1,015.53	87.7
J-1243	820.50	0.0	1,012.21	82.9
J-1244	827.00	0.0	1,012.21	80.1
J-1254	788.00	0.0	1,008.54	95.4
J-1259	795.00	0.0	1,007.97	92.1
J-1262	848.77	0.0	1,020.64	74.4
J-1274	916.03	0.0	1,043.84	55.3
J-1275	898.79	1,069.5	1,073.97	75.8

FlexTable: Junction Table

Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-1276	911.49	0.0	1,076.15	71.2
J-1277	956.99	0.0	1,039.79	35.8
J-1280	831.84	0.0	1,011.00	77.5
J-1286	804.00	0.0	937.46	57.7
J-1293	786.19	0.0	933.07	63.5
J-1294	836.07	(N/A)	(N/A)	(N/A)
J-1295	825.75	0.0	1,001.89	76.2
J-1302	887.56	705.0	1,027.31	60.5
J-1303	923.53	0.0	1,081.97	68.5
J-1306	946.71	(N/A)	(N/A)	(N/A)
J-1308	899.23	1,080.0	1,066.05	72.2
J-1311	895.50	1,108.5	1,040.75	62.8
J-1312	858.51	447.0	1,010.93	65.9
J-1313	941.00	0.0	1,084.92	62.3
J-1314	945.38	1,822.5	1,043.94	42.6
J-1315	931.72	2,442.0	1,076.97	62.8
J-1318	751.90	0.0	881.48	56.1
J-1326	753.62	0.0	873.67	51.9
J-1330	896.37	0.0	973.20	33.2
J-1331	950.06	1,232.1	965.14	6.5
J-1332	770.73	526.5	873.63	44.5
J-1333	719.89	0.0	850.96	56.7
J-1334	795.06	0.0	942.67	63.9
J-1335	799.99	846.0	908.61	47.0
J-1336	800.43	0.0	1,015.60	93.1
J-1337	813.41	982.5	1,011.14	85.5
J-1339	855.71	855.0	1,020.14	71.1
J-1343	725.01	255.0	880.08	67.1
J-1344	790.00	79.5	911.13	52.4
J-1346	774.51	0.0	978.80	88.4
J-1347	774.90	290.1	977.64	87.7
J-1350	780.64	102.0	937.33	67.8
J-1351	767.00	999.0	929.51	70.3
J-1352	773.46	828.0	910.59	59.3
J-1354	812.82	265.5	1,014.35	87.2
J-1355	791.11	0.0	1,007.42	93.6
J-1356	791.00	1,786.5	1,000.78	90.8
J-1357	830.22	1,540.5	1,009.32	77.5
J-1358	824.42	0.0	1,010.76	80.6
J-1359	834.29	0.0	1,014.64	78.0
J-1360	829.26	498.0	1,014.47	80.1
J-1373	854.74	2,017.5	996.36	61.3
J-1374	861.58	1,146.0	1,000.13	59.9
J-1375	853.91	975.0	1,042.37	81.5
J-1376	848.47	0.0	995.90	63.8
J-1377	828.63	184.5	995.12	72.0
J-1378	855.98	0.0	996.92	61.0
J-1379	868.60	855.0	1,043.51	75.7
J-1380	794.82	0.0	941.30	63.4
J-1381	791.17	0.0	942.26	65.4
J-1382	785.00	309.0	952.06	72.3
J-1383	787.32	0.0	943.96	67.8
J-1384	798.09	0.0	940.18	61.5
J-1385	801.35	523.5	938.72	59.4
J-1386	790.35	0.0	936.73	63.3
J-1389	847.74	904.5	1,075.13	98.4
J-1391	826.45	1,399.5	1,009.52	79.2
J-1392	776.49	0.0	907.78	56.8
J-1393	773.27	546.0	904.41	56.7
J-1394	754.01	0.0	881.37	55.1
J-1395	754.57	186.0	880.66	54.6
J-1397	806.85	837.0	1,027.36	95.4
J-1399	771.24	0.0	902.55	56.8
J-1400	769.07	1,563.0	894.60	54.3
J-1402	758.45	0.0	850.40	39.8
J-1403	737.47	589.5	850.40	48.9
J-1405	734.21	0.0	856.98	53.1
J-1406	755.80	822.0	855.61	43.2
J-1407	748.91	0.0	870.19	52.5
J-1408	750.45	270.0	869.20	51.4
J-1409	764.00	0.0	909.78	63.1
J-1410	761.22	206.0	909.74	64.3
J-1411	771.00	0.0	926.89	67.4
J-1412	772.05	415.5	925.28	66.3
J-1413	778.31	0.0	916.58	59.8
J-1414	780.92	379.2	915.66	58.3
J-1415	768.03	162.3	977.37	90.6
J-1416	769.00	0.0	927.79	68.7
J-1417	766.99	525.6	923.46	67.7
J-1418	721.15	322.0	844.93	53.6
J-1423	772.38	0.0	978.69	89.3
J-1425	773.34	0.0	1,058.43	123.3
J-1426	767.00	0.0	1,057.65	125.7
J-1427	758.92	0.0	1,057.32	129.1
J-1428	755.90	0.0	1,057.00	130.3
J-1429	757.00	0.0	1,056.69	129.7

FlexTable: Junction Table

Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-1430	756.47	0.0	1,055.55	129.4
J-1431	756.00	0.0	1,054.68	129.2
J-1446	772.40	0.0	976.92	88.5
J-1447	772.39	0.0	976.97	88.5
J-1448	773.86	0.0	976.98	87.9
J-1449	774.45	0.0	977.00	87.6
J-1450	775.68	0.0	977.07	87.1
J-1451	775.72	0.0	977.16	87.2
J-1452	775.19	0.0	977.18	87.4
J-1453	773.86	0.0	977.21	88.0
J-1454	804.19	0.0	977.57	75.0
J-1457	805.93	0.0	977.62	74.3
J-1458	785.84	0.0	970.75	80.0
J-1459	786.17	0.0	965.26	77.5
J-1464	773.19	0.0	976.97	88.2
J-1465	775.10	0.0	977.01	87.4
J-1466	778.27	439.5	974.81	85.0
J-1468	775.76	0.0	977.12	87.1
J-1471	786.10	0.0	977.50	82.8
J-1475	777.41	81.0	954.04	76.4
J-1483	817.23	0.0	978.65	69.8
J-1484	798.13	0.0	979.88	78.6
J-1484	773.00	0.0	977.20	88.3
J-1485	791.57	0.0	981.18	82.0
J-1485	770.00	0.0	977.20	89.6
J-1486	797.00	0.0	982.21	80.1
J-1487	798.94	0.0	982.21	79.3
J-1494	799.15	0.0	978.38	77.5
J-1495	805.41	0.0	979.11	75.2
J-1496	830.21	0.0	979.87	64.8
J-1497	811.34	0.0	980.03	73.0
J-1498	772.00	19.5	977.20	88.8
J-1499	787.21	0.0	979.63	83.3
J-1500	791.76	0.0	979.36	81.2
J-1501	776.80	0.0	979.17	87.6
J-1502	777.23	0.0	978.99	87.3
J-1503	776.85	0.0	978.89	87.4
J-1504	775.00	0.0	978.80	88.2
J-1505	772.70	0.0	978.74	89.1
J-1506	772.32	0.0	978.67	89.3
J-1507	786.79	0.0	979.27	83.3
J-1511	796.57	600.0	982.03	80.2
J-1512	781.89	600.0	977.94	84.8
J-1513	827.06	0.0	980.24	66.3
J-1514	835.49	0.0	988.22	66.1
J-1515	854.51	0.0	998.01	62.1
J-1517	836.98	0.0	983.41	63.4
J-1519	776.55	0.0	978.84	87.5
J-1521	776.65	131.3	978.67	87.4
J-1523	775.69	131.3	978.65	87.8
J-1525	772.04	0.0	978.72	89.4
J-1540	768.99	0.0	913.81	62.7
J-1541	766.22	0.0	913.22	63.6
J-1542	763.48	0.0	913.04	64.7
J-1543	762.08	0.0	905.94	62.2
J-1544	759.68	0.0	896.78	59.3
J-1545	757.89	0.0	889.29	56.9
J-1546	756.97	0.0	887.23	56.4
J-1547	755.21	0.0	883.88	55.7
J-1548	754.40	0.0	882.13	55.3
J-1549	753.70	0.0	880.22	54.7
J-1550	753.32	0.0	878.12	54.0
J-1551	757.51	0.0	888.31	56.6
J-1554	758.76	0.0	892.69	57.9
J-1557	761.39	0.0	904.06	61.7
J-1559	765.26	0.0	913.04	63.9
J-1560	764.97	285.4	911.98	63.6
J-1561	766.12	285.4	911.75	63.0
J-1562	784.49	487.5	904.18	51.8
J-1563	780.24	0.0	909.43	55.9
J-1570	774.80	0.0	891.46	50.5
J-1573	777.42	0.0	895.98	51.3
J-1574	779.00	487.5	892.67	49.2
J-1575	775.43	487.5	892.92	50.8
J-1577	750.50	0.0	872.26	52.7
J-1578	736.12	0.0	863.28	55.0
J-1579	734.53	0.0	862.33	55.3
J-1580	711.26	0.0	861.66	65.1
J-1594	765.83	0.0	1,057.48	126.2
J-1595	784.32	2,917.8	1,057.21	118.1
J-1596	800.36	0.0	1,062.46	113.4
J-1597	921.82	0.0	1,072.88	65.4
J-1600	783.59	562.5	1,045.63	113.4
J-1601	833.07	0.0	1,061.47	98.8
J-1602	857.28	2,349.0	1,065.40	90.0
J-1604	746.79	0.0	865.39	51.3

FlexTable: Junction Table

Label	Elevation (ft)	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
J-1628	733.49	0.0	860.54	55.0
J-1630	731.16	2,208.7	855.05	53.6
J-1631	753.16	0.0	885.00	57.0
J-1632	746.48	1,564.3	873.68	55.0
J-1633	762.36	1,704.6	875.00	48.7
J-1634	955.30	0.0	1,084.67	56.0
J-1636	791.06	0.0	1,003.01	91.7
J-1638	908.49	0.0	1,069.04	69.5
J-1639	723.93	844.5	849.33	54.3
J-1640	719.52	897.0	833.80	49.4
J-1641	741.46	1,338.6	859.23	51.0
J-1642	741.16	1,147.5	859.73	51.3
J-1643	750.00	816.1	856.78	46.2
J-1644	757.59	286.8	1,053.19	127.9
J-1645	757.49	285.4	891.66	58.1
J-1646	759.53	285.4	891.73	57.2
J-1648	779.66	487.5	914.49	58.3
J-1649	772.19	439.5	977.21	88.7
J-1650	789.48	591.8	977.53	81.4
J-1651	802.27	591.8	985.05	79.1
J-1657	827.91	0.0	1,009.60	78.6
J-1662	823.82	0.0	1,010.88	80.9
J-1663	824.45	0.0	1,013.52	81.8
J-1664	789.69	0.0	943.14	66.4
J-1665	772.85	0.0	978.75	89.1
J-1667	747.81	0.0	884.50	59.1
J-1668	777.76	0.0	916.62	60.1
J-1669	769.52	0.0	893.20	53.5
J-1672	775.00	0.0	926.34	65.5
J-1673	757.74	0.0	884.93	55.0
J-1674	755.71	0.0	878.76	53.2
J-1677	773.00	0.0	907.78	58.3
J-1681	815.00	0.0	1,018.14	87.9
J-1683	786.11	184.5	950.18	71.0
J-1685	784.82	0.0	953.09	72.8
J-1686	779.30	0.0	953.54	75.4
J-1687	863.94	0.0	1,012.16	64.1
J-1687	778.03	0.0	953.89	76.1
J-1690	757.56	0.0	921.10	70.8
J-1691	772.83	0.0	1,059.06	123.8
J-1691	785.39	0.0	978.42	83.5
J-1692	828.88	0.0	1,061.12	100.5
J-1692	765.08	0.0	978.10	92.2
J-1694	765.18	0.0	931.85	72.1
J-1696	769.00	0.0	931.39	70.3
J-1699	769.78	0.0	977.75	90.0
J-1707	777.38	0.0	955.19	76.9
J-1709	774.65	0.0	977.20	87.6
J-1714	913.60	0.0	1,043.72	56.3
J-1715	814.58	0.0	989.17	75.5
J-1716	909.70	0.0	1,069.39	69.1
J-1729	754.00	0.0	860.13	45.9
J-1732	773.00	0.0	924.04	65.3
J-1734	774.00	0.0	910.19	58.9
J-2022	798.86	0.0	979.87	78.3

RESPEC

ULTIMATE SYSTEM
FIRE FLOW RESULTS

RSI-3504

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-2	400	J-4	J-5	6.0	PVC	120.0	0.350	50.9	0.58
P-3	372	J-5	J-6	6.0	PVC	120.0	0.500	165.8	1.88
P-4	406	J-6	J-7	6.0	PVC	120.0	0.500	162.7	1.85
P-6	362	J-7	J-9	6.0	PVC	120.0	0.350	99.1	1.12
P-7	385	J-9	J-10	6.0	PVC	120.0	0.800	61.0	0.69
P-8	595	J-6	J-11	8.0	PVC	120.0	0.000	0.0	0.00
P-9	388	J-12	J-4	6.0	PVC	120.0	1.280	74.9	0.85
P-11	399	J-12	J-14	8.0	PVC	120.0	1.280	138.6	0.88
P-12	388	J-5	J-14	8.0	PVC	120.0	1.280	128.4	0.82
P-13	186	J-14	J-15	8.0	PVC	120.0	0.350	10.2	0.06
P-14	180	J-15	J-16	8.0	PVC	120.0	0.000	0.2	0.00
P-15	395	J-16	J-17	8.0	PVC	120.0	0.750	179.1	1.14
P-16	374	J-17	J-18	8.0	PVC	120.0	0.750	392.8	2.51
P-17	388	J-18	J-19	8.0	PVC	120.0	0.750	331.6	2.12
P-18	400	J-19	J-20	8.0	PVC	120.0	0.750	304.2	1.94
P-19	394	J-20	J-21	8.0	PVC	120.0	0.350	185.9	1.19
P-20	379	J-21	J-22	8.0	PVC	120.0	0.750	180.2	1.15
P-21	373	J-22	J-23	8.0	PVC	120.0	0.350	157.5	1.00
P-22	377	J-23	J-24	8.0	PVC	120.0	0.750	152.4	0.97
P-23	393	J-24	J-25	8.0	PVC	120.0	1.280	90.2	0.58
P-24	375	J-15	J-26	2.0	PVC	120.0	1.280	10.0	1.02
P-25	571	J-26	J-6	8.0	PVC	120.0	0.750	3.1	0.02
P-26	184	J-26	J-27	8.0	PVC	120.0	0.350	13.2	0.08
P-27	393	J-27	J-28	8.0	PVC	120.0	0.750	10.2	0.07
P-28	377	J-28	J-29	8.0	PVC	120.0	1.280	118.2	0.75
P-30	387	J-31	J-17	12.0	PVC	120.0	0.500	1,002.4	2.84
P-31	385	J-31	J-32	8.0	PVC	120.0	0.350	255.5	1.63
P-32	147	J-33	J-16	6.0	PVC	120.0	0.500	0.0	0.00
P-33	376	J-16	J-27	6.0	PVC	120.0	0.500	179.3	2.03
P-34	404	J-27	J-34	6.0	PVC	120.0	0.350	162.2	1.84
P-35	354	J-34	J-40	6.0	PVC	120.0	0.350	114.6	1.30
P-36	392	J-40	J-36	6.0	PVC	120.0	0.500	119.0	1.35
P-38	387	J-37	J-38	6.0	PVC	120.0	0.350	147.5	1.67
P-39	371	J-38	J-39	6.0	PVC	120.0	0.200	128.9	1.46
P-41	371	J-40	J-41	8.0	PVC	120.0	1.280	20.4	0.13
P-42	27	J-41	J-42	8.0	PVC	120.0	0.350	13.4	0.09
P-43	379	J-42	J-43	8.0	PVC	120.0	0.750	45.9	0.29
P-45	366	J-45	J-295	6.0	PVC	120.0	1.280	93.1	1.06
P-47	360	J-9	J-45	6.0	PVC	120.0	1.280	38.1	0.43
P-48	389	J-45	J-48	6.0	PVC	120.0	0.500	64.4	0.73
P-50	398	J-36	J-48	6.0	PVC	120.0	0.750	98.5	1.12
P-52	358	J-48	J-10	6.0	PVC	120.0	0.000	44.5	0.51
P-53	356	J-48	J-50	2.0	PVC	120.0	0.000	0.0	0.00
P-55	388	J-51	J-18	8.0	PVC	120.0	0.500	139.9	0.89
P-56	185	J-51	J-52	8.0	PVC	120.0	0.000	500.6	3.20
P-57	376	J-17	J-28	8.0	PVC	120.0	0.500	430.5	2.75
P-59	389	J-42	J-53	8.0	PVC	120.0	0.500	269.6	1.72
P-60	381	J-53	J-54	8.0	PVC	120.0	0.000	229.5	1.46
P-61	384	J-54	J-55	8.0	PVC	120.0	0.350	229.5	1.46
P-62	404	J-55	J-58	8.0	PVC	120.0	0.500	183.0	1.17
P-64	386	J-58	J-59	8.0	PVC	120.0	1.280	200.6	1.28
P-65	390	J-59	J-39	8.0	PVC	120.0	0.500	312.6	2.00
P-67	338	J-37	J-61	6.0	PVC	120.0	0.750	0.0	0.00
P-69	375	J-55	J-37	6.0	PVC	120.0	1.280	46.5	0.53
P-70	391	J-58	J-38	2.0	PVC	120.0	1.280	6.9	0.70
P-71	362	J-36	J-62	8.0	PVC	120.0	0.750	83.4	0.53
P-72	29	J-62	J-53	8.0	PVC	120.0	0.350	90.4	0.58
P-75	340	J-43	J-65	6.0	PVC	120.0	0.000	0.0	0.00
P-76	376	J-18	J-29	8.0	PVC	120.0	0.350	201.1	1.28
P-78	383	J-66	J-19	8.0	PVC	120.0	1.280	57.0	0.36
P-80	221	J-43	J-79	8.0	PVC	120.0	0.750	290.2	1.85
P-82	389	J-41	J-62	2.0	PVC	120.0	1.280	7.1	0.72
P-83	132	J-68	J-69	6.0	PVC	120.0	0.800	0.0	0.00
P-85	384	J-445	J-68	8.0	PVC	120.0	0.350	4.5	0.03
P-87	389	J-71	J-21	8.0	PVC	120.0	0.500	83.8	0.54
P-88	626	J-20	J-72	6.0	PVC	120.0	1.280	91.3	1.04
P-97	395	J-73	J-81	8.0	PVC	120.0	0.750	124.6	0.80
P-99	299	J-80	J-81	3.0	PVC	120.0	0.500	9.7	0.44
P-100	369	J-81	J-63	8.0	PVC	120.0	0.350	134.3	0.86
P-101	366	J-63	J-82	8.0	PVC	120.0	0.350	246.9	1.58
P-103	20	J-83	J-84	8.0	PVC	120.0	0.500	81.0	0.52
P-104	369	J-84	J-85	8.0	PVC	120.0	1.280	93.3	0.60
P-107	374	J-59	J-86	8.0	PVC	120.0	0.350	149.4	0.95
P-109	390	J-86	J-85	8.0	PVC	120.0	0.750	98.8	0.63
P-110	389	J-85	J-88	8.0	PVC	120.0	1.280	59.6	0.38
P-111	368	J-88	J-75	8.0	PVC	120.0	0.350	72.9	0.47
P-112	390	J-75	J-84	8.0	PVC	120.0	0.750	19.8	0.13
P-113	214	J-86	J-89	8.0	PVC	120.0	0.350	43.0	0.27
P-114	166	J-89	J-90	8.0	PVC	120.0	1.280	(N/A)	(N/A)
P-115	178	J-89	J-92	8.0	PVC	120.0	0.500	43.0	0.27
P-116	157	J-92	J-93	8.0	PVC	120.0	0.500	9.4	0.06
P-117	284	J-94	J-95	6.0	PVC	120.0	0.000	0.0	0.00
P-118	491	J-95	J-96	2.0	PVC	120.0	1.280	0.0	0.00
P-119	220	J-95	J-97	6.0	PVC	120.0	0.350	12.0	0.14
P-120	282	J-97	J-93	2.0	PVC	120.0	0.300	0.2	0.02
P-121	432	J-93	J-98	2.0	PVC	120.0	0.300	2.7	0.28

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-122	209	J-97	J-92	8.0	PVC	120.0	0.500	11.8	0.08
P-125	387	J-99	J-100	8.0	PVC	120.0	0.000	47.4	0.30
P-126	34	J-100	J-101	8.0	PVC	120.0	1.280	15.3	0.10
P-127	371	J-102	J-103	8.0	PVC	120.0	0.350	95.1	0.61
P-128	377	J-103	J-100	8.0	PVC	120.0	0.800	32.1	0.20
P-129	291	J-103	J-104	8.0	PVC	120.0	1.280	0.0	0.00
P-130	384	J-88	J-99	8.0	PVC	120.0	0.500	13.3	0.08
P-131	213	J-99	J-105	8.0	PVC	120.0	0.500	21.6	0.14
P-132	421	J-105	J-98	8.0	PVC	120.0	0.300	2.7	0.02
P-134	107	J-106	J-107	8.0	PVC	120.0	0.500	48.0	0.31
P-137	420	J-110	J-111	8.0	PVC	120.0	0.300	43.9	0.28
P-138	420	J-111	J-112	8.0	PVC	120.0	0.300	74.8	0.48
P-139	417	J-112	J-101	8.0	PVC	120.0	0.000	56.1	0.36
P-141	444	J-101	J-105	8.0	PVC	120.0	0.350	40.8	0.26
P-143	606	J-114	J-112	2.0	PVC	120.0	0.500	2.4	0.24
P-144	400	J-114	J-102	6.0	PVC	120.0	0.750	36.4	0.41
P-145	380	J-102	J-75	6.0	PVC	120.0	0.750	38.5	0.44
P-146	379	J-114	J-115	6.0	PVC	120.0	0.750	16.1	0.18
P-147	292	J-115	J-116	6.0	PVC	120.0	0.750	14.7	0.17
P-148	89	J-116	J-117	6.0	PVC	120.0	1.280	14.7	0.17
P-149	429	J-111	J-115	6.0	PVC	120.0	0.500	30.9	0.35
P-150	387	J-115	J-118	6.0	PVC	120.0	0.500	29.5	0.33
P-151	406	J-118	J-119	6.0	PVC	120.0	0.350	31.3	0.36
P-152	372	J-118	J-120	2.0	PVC	120.0	1.280	1.9	0.19
P-154	9	J-122	J-123	6.0	PVC	120.0	0.750	96.7	1.10
P-155	381	J-122	J-24	6.0	PVC	120.0	0.500	33.9	0.38
P-157	385	J-124	J-125	6.0	PVC	120.0	0.500	33.6	0.38
P-158	383	J-125	J-126	6.0	PVC	120.0	0.350	28.9	0.33
P-159	374	J-126	J-127	6.0	PVC	120.0	0.500	27.0	0.31
P-160	406	J-127	J-120	6.0	PVC	120.0	0.350	43.7	0.50
P-161	383	J-120	J-117	6.0	PVC	120.0	0.350	6.5	0.07
P-162	261	J-117	J-110	6.0	PVC	120.0	0.500	21.2	0.24
P-163	392	J-109	J-127	8.0	PVC	120.0	1.280	12.2	0.08
P-164	372	J-127	J-119	8.0	PVC	120.0	0.750	28.9	0.18
P-166	402	J-443	J-74	8.0	PVC	120.0	0.750	85.5	0.55
P-167	397	J-74	J-82	8.0	PVC	120.0	1.280	88.8	0.57
P-170	383	J-25	J-130	8.0	PVC	120.0	0.350	53.2	0.34
P-171	415	J-130	J-131	8.0	PVC	120.0	0.750	9.0	0.06
P-172	363	J-131	J-132	8.0	PVC	120.0	0.350	0.0	0.00
P-173(1)	59	J-132	PRV-42	6.0	PVC	120.0	0.200	(N/A)	(N/A)
P-173(2)	204	PRV-42	J-133	6.0	PVC	120.0	0.200	(N/A)	(N/A)
P-174	263	J-133	J-134	6.0	PVC	120.0	1.280	0.0	0.00
P-175	310	J-133	J-135	6.0	PVC	120.0	0.350	24.0	0.27
P-177	306	J-136	J-137	6.0	PVC	120.0	0.350	72.0	0.82
P-178	322	J-137	J-138	6.0	PVC	120.0	0.350	61.6	0.70
P-179	254	J-138	J-139	6.0	PVC	120.0	0.350	52.6	0.60
P-181	235	J-139	J-141	6.0	PVC	120.0	0.350	12.0	0.14
P-182	22	J-142	J-143	2.0	PVC	120.0	0.750	0.0	0.00
P-183	49	J-143	J-144	2.0	PVC	120.0	0.000	0.0	0.00
P-185	228	J-145	J-146	6.0	PVC	120.0	0.000	0.0	0.00
P-195	384	J-151	J-22	8.0	PVC	120.0	1.280	32.7	0.21
P-196	377	J-130	J-123	8.0	PVC	120.0	0.000	96.7	0.62
P-198	359	J-132	J-153	2.0	PVC	120.0	1.280	0.0	0.00
P-199	359	J-131	J-154	6.0	PVC	120.0	1.280	9.0	0.10
P-201	383	J-156	J-23	8.0	PVC	120.0	0.500	5.0	0.03
P-203	391	J-151	J-71	8.0	PVC	120.0	0.750	195.8	1.25
P-204	256	J-71	J-158	8.0	PVC	120.0	0.000	188.3	1.20
P-205	378	J-122	J-156	8.0	PVC	120.0	0.750	130.6	0.83
P-206	361	J-156	J-151	8.0	PVC	120.0	0.750	163.1	1.04
P-207	380	J-124	J-159	6.0	PVC	120.0	0.750	34.8	0.40
P-210	379	J-162	J-159	8.0	PVC	120.0	0.500	34.8	0.22
P-211	65	J-159	J-163	0.8	PVC	120.0	0.750	0.0	0.00
P-212	378	J-125	J-162	6.0	PVC	120.0	0.750	18.5	0.21
P-213	359	J-162	J-165	6.0	PVC	120.0	0.750	6.9	0.08
P-215	388	J-165	J-166	6.0	PVC	120.0	0.750	79.7	0.90
P-216	399	J-166	J-73	6.0	PVC	120.0	0.750	102.3	1.16
P-217	528	J-166	J-167	6.0	PVC	120.0	0.500	89.5	1.02
P-218	225	J-167	J-168	6.0	PVC	120.0	0.350	89.5	1.02
P-219	112	J-167	J-169	6.0	PVC	120.0	1.280	0.0	0.00
P-220	378	J-165	J-170	8.0	PVC	120.0	0.500	0.0	0.00
P-221	376	J-165	J-171	8.0	PVC	120.0	0.500	53.3	0.34
P-222	75	J-126	J-172	2.0	PVC	120.0	1.280	1.9	0.19
P-223	299	J-172	J-160	3.0	PVC	120.0	0.750	1.9	0.08
P-224	410	J-160	J-171	3.0	PVC	120.0	0.750	2.3	0.10
P-225	181	J-171	J-173	3.0	PVC	120.0	0.000	0.0	0.00
P-226	398	J-166	J-174	8.0	PVC	120.0	0.000	112.1	0.72
P-227	350	J-174	J-443	8.0	PVC	120.0	0.500	112.1	0.72
P-228	370	J-160	J-119	8.0	PVC	120.0	0.500	26.8	0.17
P-229	488	J-110	J-175	2.0	PVC	120.0	0.000	0.0	0.00
P-230	210	J-176	J-177	2.0	PVC	120.0	0.500	15.0	1.53
P-231	386	J-177	J-178	2.0	PVC	120.0	0.300	39.8	4.07
P-232	78	J-177	J-179	2.0	PVC	120.0	0.800	54.8	5.60
P-233	361	J-180	J-181	2.0	PVC	120.0	1.280	7.5	0.77
P-235	220	J-183	J-184	2.0	PVC	120.0	0.750	0.0	0.00
P-239	420	J-185	J-182	6.0	PVC	120.0	1.280	31.0	0.35
P-240	279	J-60	J-186	12.0	PVC	120.0	0.000	441.5	1.25

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-241	143	J-186	J-185	6.0	PVC	120.0	0.350	174.0	1.97
P-243	297	J-187	J-188	6.0	PVC	120.0	1.280	428.3	4.86
P-244	215	J-187	J-189	6.0	PVC	120.0	0.350	428.3	4.86
P-245	218	J-189	J-190	6.0	PVC	120.0	0.350	275.7	3.13
P-248	23	J-192	J-193	6.0	PVC	120.0	1.280	91.8	1.04
P-250	47	J-194	J-196	6.0	PVC	120.0	0.350	200.3	2.27
P-252	84	J-197	J-198	6.0	PVC	120.0	0.500	214.3	2.43
P-253	126	J-197	J-199	6.0	PVC	120.0	0.500	175.0	1.99
P-254	160	J-199	J-192	6.0	PVC	120.0	1.280	60.8	0.69
P-255	434	J-200	J-201	2.0	PVC	120.0	0.500	0.0	0.00
P-258	166	J-193	J-199	8.0	PVC	120.0	0.350	88.8	0.57
P-259	68	J-199	J-198	8.0	PVC	120.0	0.750	25.4	0.16
P-262	150	J-203	J-204	6.0	PVC	120.0	0.000	124.1	1.41
P-264	437	J-194	J-206	8.0	PVC	120.0	0.350	295.9	1.89
P-265	287	J-206	J-207	8.0	PVC	120.0	0.350	427.3	2.73
P-266	294	J-207	J-107	8.0	PVC	120.0	0.350	577.1	3.68
P-268	558	J-106	J-209	6.0	PVC	120.0	1.280	12.0	0.14
P-269	498	J-209	J-210	6.0	PVC	120.0	0.500	0.0	0.00
P-270	651	J-209	J-211	6.0	PVC	120.0	0.000	0.0	0.00
P-272	331	J-212	J-213	6.0	PVC	120.0	1.280	1.9	0.02
P-274	487	J-212	J-214	6.0	PVC	120.0	0.350	169.8	1.93
P-275	313	J-214	J-215	6.0	PVC	120.0	0.350	199.8	2.27
P-276	187	J-215	J-216	6.0	PVC	120.0	0.000	208.8	2.37
P-277	202	J-213	J-217	4.0	PVC	120.0	0.750	4.5	0.11
P-278	305	J-214	J-218	4.0	PVC	120.0	1.280	10.5	0.27
P-279	305	J-215	J-219	4.0	PVC	120.0	1.280	9.0	0.23
P-280	307	J-213	J-204	8.0	PVC	120.0	0.350	164.0	1.05
P-282	492	J-204	J-221	8.0	PVC	120.0	1.280	288.0	1.84
P-283	308	J-221	J-222	8.0	PVC	120.0	0.350	318.0	2.03
P-285	261	J-223	J-224	8.0	PVC	120.0	0.350	684.3	4.37
P-286	261	J-224	J-225	8.0	PVC	120.0	0.350	702.3	4.48
P-287	158	J-225	J-226	8.0	PVC	120.0	0.350	718.8	4.59
P-288	287	J-226	J-227	8.0	PVC	120.0	0.750	718.8	4.59
P-289	304	J-221	J-228	4.0	PVC	120.0	1.280	9.0	0.23
P-290	304	J-222	J-229	4.0	PVC	120.0	1.280	9.0	0.23
P-291	386	J-223	J-230	6.0	PVC	120.0	1.280	16.5	0.19
P-292	387	J-224	J-231	6.0	PVC	120.0	1.280	18.0	0.20
P-293	385	J-225	J-232	6.0	PVC	120.0	1.280	16.5	0.19
P-294	171	J-226	J-233	2.0	PVC	120.0	1.280	0.0	0.00
P-295	565	J-234	J-227	12.0	PVC	120.0	0.500	440.3	1.25
P-301	395	J-238	J-239	8.0	PVC	120.0	0.000	654.5	4.18
P-302	619	J-239	J-240	8.0	PVC	120.0	1.280	0.0	0.00
P-304	308	J-241	J-242	10.0	PVC	120.0	0.300	1,419.4	5.80
P-312	554	J-250	J-251	10.0	PVC	120.0	1.280	1,483.3	6.06
P-313	653	J-252	J-253	10.0	PVC	120.0	0.000	547.3	2.24
P-314	333	J-253	J-254	10.0	PVC	120.0	0.350	423.9	1.73
P-315	275	J-253	J-251	8.0	PVC	120.0	1.280	971.2	6.20
P-317	528	J-255	J-256	8.0	PVC	120.0	1.280	399.5	2.55
P-318	512	J-256	J-254	8.0	PVC	120.0	0.350	408.9	2.61
P-321	238	J-258	J-259	6.0	PVC	120.0	0.800	0.0	0.00
P-322	351	J-258	J-260	24.0	PVC	120.0	0.000	8,241.0	5.84
P-325	394	J-262	J-263	6.0	PVC	120.0	0.350	3.0	0.03
P-327	337	J-264	J-261	6.0	PVC	120.0	0.000	1.6	0.02
P-329	461	J-265	J-262	6.0	PVC	120.0	0.800	1.4	0.02
P-331	238	J-7	J-266	1.5	PVC	120.0	0.000	0.0	0.00
P-332	462	J-196	J-267	1.5	PVC	120.0	1.280	4.5	0.82
P-333	390	J-40	J-45	8.0	PVC	120.0	1.280	44.2	0.28
P-334	169	J-72	J-268	3.0	PVC	120.0	1.280	0.0	0.00
P-336	436	J-269	J-136	6.0	PVC	120.0	0.800	29.6	0.34
P-338	319	J-270	J-147	6.0	PVC	120.0	0.800	49.4	0.56
P-339	458	J-137	J-271	6.0	PVC	120.0	1.280	10.4	0.12
P-340	512	J-271	J-270	6.0	PVC	120.0	0.000	49.4	0.56
P-341	502	J-147	J-272	6.0	PVC	120.0	1.280	40.4	0.46
P-342	403	J-272	J-138	6.0	PVC	120.0	1.280	8.9	0.10
P-343	414	J-139	J-273	6.0	PVC	120.0	1.280	64.6	0.73
P-344	439	J-273	J-148	6.0	PVC	120.0	0.350	64.6	0.73
P-346	101	J-274	J-150	8.0	PVC	120.0	0.800	1,232.1	7.86
P-347	539	J-149	J-276	8.0	PVC	120.0	0.350	1,253.1	8.00
P-348	549	J-276	J-274	8.0	PVC	120.0	0.800	1,253.1	8.00
P-349	504	J-149	J-277	12.0	PVC	120.0	0.200	1,430.1	4.06
P-350	349	J-277	J-143	12.0	PVC	120.0	0.000	1,430.1	4.06
P-351	438	J-148	J-278	12.0	PVC	120.0	0.200	154.5	0.44
P-352	523	J-278	J-149	12.0	PVC	120.0	1.280	177.0	0.50
P-353	183	J-148	J-279	6.0	PVC	120.0	1.280	89.9	1.02
P-354	240	J-279	J-147	6.0	PVC	120.0	0.350	89.9	1.02
P-355	356	J-145	J-280	6.0	PVC	120.0	0.350	6.4	0.07
P-356	416	J-280	J-136	6.0	PVC	120.0	1.280	42.4	0.48
P-357	334	J-135	J-281	6.0	PVC	120.0	0.800	17.6	0.20
P-358	312	J-281	J-269	6.0	PVC	120.0	0.000	29.6	0.34
P-359	676	J-143	J-282	12.0	PVC	120.0	0.500	1,430.1	4.06
P-361	528	J-282	J-387	12.0	PVC	120.0	0.000	1,440.6	4.09
P-362	604	J-283	J-151	8.0	PVC	120.0	0.500	0.0	0.00
P-363	371	J-155	J-284	8.0	PVC	120.0	0.000	0.0	0.00
P-364	384	J-284	J-156	8.0	PVC	120.0	0.500	37.5	0.24
P-365	384	J-121	J-285	6.0	PVC	120.0	0.000	0.0	0.00
P-366	389	J-285	J-122	6.0	PVC	120.0	0.500	0.0	0.00

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-367	384	J-152	J-286	8.0	PVC	120.0	0.000	0.0	0.00
P-368	390	J-286	J-130	8.0	PVC	120.0	0.500	34.5	0.22
P-369	362	J-129	J-287	8.0	PVC	120.0	0.350	126.9	0.81
P-370	358	J-287	J-25	8.0	PVC	120.0	0.500	126.9	0.81
P-371	361	J-24	J-288	6.0	PVC	120.0	0.500	72.1	0.82
P-372	367	J-288	J-124	6.0	PVC	120.0	0.500	72.1	0.82
P-373	418	J-445	J-289	8.0	PVC	120.0	1.280	110.8	0.71
P-374	381	J-289	J-71	8.0	PVC	120.0	0.500	91.3	0.58
P-375	379	J-66	J-290	8.0	PVC	120.0	0.350	303.6	1.94
P-376	363	J-290	J-445	8.0	PVC	120.0	1.280	115.3	0.74
P-380	377	J-421	J-31	12.0	PVC	120.0	0.500	1,785.5	5.07
P-381	365	J-13	J-293	8.0	PVC	120.0	0.000	0.0	0.00
P-382	375	J-293	J-12	8.0	PVC	120.0	0.500	0.0	0.00
P-383	374	J-3	J-294	6.0	PVC	120.0	0.000	0.0	0.00
P-384	369	J-294	J-4	6.0	PVC	120.0	0.350	24.0	0.27
P-386	358	J-295	J-7	6.0	PVC	120.0	0.750	45.6	0.52
P-387	399	J-34	J-295	6.0	PVC	120.0	0.500	47.5	0.54
P-389	380	J-28	J-297	8.0	PVC	120.0	0.000	302.1	1.93
P-390	381	J-297	J-42	8.0	PVC	120.0	0.500	302.1	1.93
P-391	375	J-29	J-298	8.0	PVC	120.0	0.000	289.3	1.85
P-392	386	J-298	J-43	8.0	PVC	120.0	0.500	289.3	1.85
P-395	428	J-39	J-300	8.0	PVC	120.0	0.300	441.5	2.82
P-396	440	J-300	J-60	8.0	PVC	120.0	0.000	441.5	2.82
P-397	435	J-183	J-301	6.0	PVC	120.0	0.200	120.6	1.37
P-398	322	J-301	J-185	6.0	PVC	120.0	0.000	143.1	1.62
P-400	522	J-302	J-183	6.0	PVC	120.0	0.500	127.5	1.45
P-401	221	J-180	J-501	6.0	PVC	120.0	0.350	122.3	1.39
P-402	599	J-303	J-302	6.0	PVC	120.0	0.100	127.5	1.45
P-403	547	J-179	J-304	6.0	PVC	120.0	0.800	54.8	0.62
P-404	534	J-304	J-180	6.0	PVC	120.0	0.350	114.8	1.30
P-405	434	J-186	J-305	8.0	PVC	120.0	1.280	257.0	1.64
P-407	291	J-305	J-306	8.0	PVC	120.0	0.350	257.0	1.64
P-409	429	J-306	J-307	8.0	PVC	120.0	0.000	177.5	1.13
P-411	424	J-307	J-308	8.0	PVC	120.0	0.000	156.5	1.00
P-413	358	J-308	J-309	8.0	PVC	120.0	0.800	156.5	1.00
P-414(1)	256	J-309	PRV-26	8.0	PVC	120.0	0.000	(N/A)	(N/A)
P-414(2)	90	PRV-26	J-187	8.0	PVC	120.0	0.000	(N/A)	(N/A)
P-415	498	J-189	J-310	6.0	PVC	120.0	1.280	152.6	1.73
P-416	494	J-310	J-191	6.0	PVC	120.0	0.000	152.6	1.73
P-417	495	J-191	J-311	6.0	PVC	120.0	0.000	152.6	1.73
P-418	379	J-311	J-192	6.0	PVC	120.0	0.350	152.6	1.73
P-419	365	J-198	J-312	8.0	PVC	120.0	1.280	239.7	1.53
P-421	495	J-312	J-313	8.0	PVC	120.0	0.000	239.7	1.53
P-423	491	J-313	J-314	8.0	PVC	120.0	0.000	275.7	1.76
P-424	507	J-314	J-190	8.0	PVC	120.0	0.800	275.7	1.76
P-425	96	J-200	J-315	8.0	PVC	120.0	0.200	3.0	0.02
P-426	182	J-315	J-193	8.0	PVC	120.0	0.800	3.0	0.02
P-427	156	J-202	J-317	8.0	PVC	120.0	0.200	0.0	0.00
P-428	84	J-317	J-200	8.0	PVC	120.0	0.300	0.0	0.00
P-429	592	J-196	J-318	6.0	PVC	120.0	0.000	204.8	2.32
P-430	227	J-318	J-197	6.0	PVC	120.0	0.350	389.3	4.42
P-431	418	J-194	J-319	6.0	PVC	120.0	1.280	95.6	1.08
P-432	448	J-319	J-203	6.0	PVC	120.0	1.280	110.6	1.25
P-433	147	J-203	J-322	4.0	PVC	120.0	0.800	13.5	0.34
P-434	209	J-322	J-205	4.0	PVC	120.0	0.000	0.0	0.00
P-435	397	J-222	J-323	8.0	PVC	120.0	0.200	327.0	2.09
P-437	693	J-323	J-324	8.0	PVC	120.0	0.200	348.0	2.22
P-439	555	J-324	J-325	8.0	PVC	120.0	1.280	367.5	2.35
P-440	284	J-325	J-223	8.0	PVC	120.0	0.350	667.8	4.26
P-441	679	J-227	J-326	12.0	PVC	120.0	0.000	1,199.6	3.40
P-443	549	J-326	J-327	12.0	PVC	120.0	0.350	1,205.6	3.42
P-444	176	J-327	J-651	12.0	PVC	120.0	0.000	1,226.6	3.48
P-445	307	J-236	J-652	16.0	PVC	120.0	0.000	1,226.6	1.96
P-447(1)	262	J-328	J-1709	16.0	PVC	120.0	0.350	986.9	1.57
P-447(2)	227	J-1709	J-329	16.0	PVC	120.0	0.000	1,006.4	1.61
P-449	466	J-329	J-330	16.0	PVC	120.0	0.000	1,006.4	1.61
P-451(1)	27	J-330	J-1699	16.0	PVC	120.0	0.350	1,006.4	1.61
P-451(2)	582	J-1699	J-331	16.0	PVC	120.0	0.000	411.3	0.66
P-453	397	J-331	J-332	16.0	PVC	120.0	0.350	411.3	0.66
P-454	387	J-332	J-237	16.0	PVC	120.0	0.000	573.6	0.92
P-457	519	J-237	J-334	16.0	PVC	120.0	0.000	573.6	0.92
P-458	509	J-334	J-333	16.0	PVC	120.0	0.000	573.6	0.92
P-459	450	J-333	J-870	16.0	PVC	120.0	0.000	575.1	0.92
P-460	568	J-335	J-235	16.0	PVC	120.0	0.800	575.1	0.92
P-463	287	J-239	J-337	8.0	PVC	120.0	0.350	645.5	4.12
P-464	381	J-337	J-336	8.0	PVC	120.0	0.000	645.5	4.12
P-465	442	J-336	J-338	8.0	PVC	120.0	0.000	645.5	4.12
P-466	522	J-338	J-241	8.0	PVC	120.0	0.500	645.5	4.12
P-467	343	J-255	J-339	8.0	PVC	120.0	0.000	79.6	0.51
P-468	395	J-339	J-257	8.0	PVC	120.0	0.000	79.6	0.51
P-469	262	J-251	J-340	8.0	PVC	120.0	0.350	512.1	3.27
P-471	394	J-340	J-341	8.0	PVC	120.0	0.800	512.1	3.27
P-472	450	J-341	J-255	8.0	PVC	120.0	0.350	479.1	3.06
P-475	427	J-256	J-343	8.0	PVC	120.0	0.000	797.5	5.09
P-476	431	J-343	J-342	8.0	PVC	120.0	0.000	797.5	5.09
P-477	452	J-342	J-344	8.0	PVC	120.0	0.000	797.5	5.09

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-478	502	J-344	J-243	8.0	PVC	120.0	0.800	797.5	5.09
P-481	433	J-345	J-346	10.0	PVC	120.0	0.000	1,013.0	4.14
P-482	470	J-346	J-243	10.0	PVC	120.0	0.500	1,005.5	4.11
P-483	403	J-242	J-347	10.0	PVC	120.0	0.300	1,419.4	5.80
P-484	443	J-347	J-345	10.0	PVC	120.0	0.000	1,013.0	4.14
P-487	341	J-262	J-349	6.0	PVC	120.0	0.500	1.6	0.02
P-488	316	J-349	J-264	6.0	PVC	120.0	0.000	1.6	0.02
P-489	154	J-261	J-350	6.0	PVC	120.0	1.280	1.4	0.02
P-490	682	J-350	J-265	6.0	PVC	120.0	0.800	1.4	0.02
P-495	627	J-260	J-353	16.0	PVC	120.0	0.200	3.0	0.00
P-497	403	J-353	J-354	6.0	PVC	120.0	0.000	3.0	0.03
P-498	479	J-354	J-351	6.0	PVC	120.0	0.000	3.0	0.03
P-499	386	J-351	J-355	6.0	PVC	120.0	0.000	3.0	0.03
P-500	422	J-355	J-352	6.0	PVC	120.0	0.000	3.0	0.03
P-501	365	J-352	J-356	6.0	PVC	120.0	0.000	3.0	0.03
P-502	390	J-356	J-261	6.0	PVC	120.0	0.350	3.0	0.03
P-503	404	J-109	J-357	8.0	PVC	120.0	0.000	66.1	0.42
P-505	471	J-357	J-358	8.0	PVC	120.0	0.200	48.1	0.31
P-506	424	J-358	J-110	8.0	PVC	120.0	0.750	48.1	0.31
P-507	436	J-98	J-359	8.0	PVC	120.0	0.500	0.0	0.00
P-509(1)	44	J-359	PRV-38	8.0	PVC	120.0	0.100	(N/A)	(N/A)
P-509(2)	428	PRV-38	J-360	8.0	PVC	120.0	0.100	(N/A)	(N/A)
P-510	426	J-360	J-106	8.0	PVC	120.0	0.350	0.0	0.00
P-513	310	J-361	J-362	8.0	PVC	120.0	0.000	306.8	1.96
P-514	302	J-362	J-208	8.0	PVC	120.0	0.000	306.8	1.96
P-515	308	J-107	J-363	8.0	PVC	120.0	0.000	312.8	2.00
P-516	308	J-363	J-361	8.0	PVC	120.0	0.000	312.8	2.00
P-517	384	J-82	J-364	8.0	PVC	120.0	0.000	158.0	1.01
P-518	386	J-364	J-83	8.0	PVC	120.0	0.350	158.0	1.01
P-519	369	J-84	J-365	3.0	PVC	120.0	0.800	7.6	0.34
P-520	371	J-365	J-86	3.0	PVC	120.0	0.500	7.6	0.34
P-521	378	J-83	J-366	8.0	PVC	120.0	1.280	24.5	0.16
P-522	385	J-366	J-58	8.0	PVC	120.0	0.750	24.5	0.16
P-523	380	J-36	J-367	6.0	PVC	120.0	0.000	134.0	1.52
P-524	387	J-367	J-37	6.0	PVC	120.0	0.500	101.0	1.15
P-525	387	J-53	J-368	8.0	PVC	120.0	0.750	112.5	0.72
P-527	111	J-135	J-369	6.0	PVC	120.0	1.280	6.4	0.07
P-528	357	J-369	J-145	6.0	PVC	120.0	1.280	6.4	0.07
P-530	362	J-370	J-109	8.0	PVC	120.0	0.350	53.9	0.34
P-531	391	J-119	J-113	8.0	PVC	120.0	0.750	33.4	0.21
P-532	364	J-113	J-443	8.0	PVC	120.0	0.750	84.2	0.54
P-533	399	J-113	J-372	8.0	PVC	120.0	0.350	73.3	0.47
P-534	393	J-372	J-114	8.0	PVC	120.0	0.500	54.9	0.35
P-535	361	J-73	J-373	6.0	PVC	120.0	0.000	101.8	1.15
P-536	379	J-373	J-74	6.0	PVC	120.0	0.500	71.8	0.81
P-537	400	J-74	J-374	6.0	PVC	120.0	0.000	75.1	0.85
P-538	391	J-374	J-75	6.0	PVC	120.0	0.500	54.1	0.61
P-539	371	J-19	J-375	8.0	PVC	120.0	0.500	37.9	0.24
P-540	327	J-375	J-299	8.0	PVC	120.0	0.100	37.9	0.24
P-541	386	J-92	J-376	8.0	PVC	120.0	0.750	64.3	0.41
P-542	393	J-376	J-99	8.0	PVC	120.0	0.750	82.3	0.53
P-543	528	J-182	J-377	2.0	PVC	120.0	0.200	7.0	0.71
P-544	257	J-377	J-183	2.0	PVC	120.0	0.800	7.0	0.71
P-546	140	J-378	J-206	6.0	PVC	120.0	1.280	131.4	1.49
P-547	472	J-213	J-379	6.0	PVC	120.0	0.500	143.4	1.63
P-548	362	J-379	J-378	6.0	PVC	120.0	0.350	131.4	1.49
P-549	223	J-207	J-380	6.0	PVC	120.0	1.280	149.8	1.70
P-551	307	J-380	J-381	6.0	PVC	120.0	0.350	149.8	1.70
P-553	303	J-381	J-382	6.0	PVC	120.0	0.000	167.8	1.90
P-554	345	J-382	J-212	6.0	PVC	120.0	0.350	167.8	1.90
P-556	58	City Hill Tank	J-30	36.0	PVC	120.0	0.000	1,785.5	0.56
P-559	327	J-2	J-385	6.0	PVC	120.0	0.000	0.0	0.00
P-560	375	J-385	J-291	6.0	PVC	120.0	0.000	0.0	0.00
P-569(1)	40	J-283	PRV-43	8.0	PVC	120.0	0.000	(N/A)	(N/A)
P-569(2)	37	PRV-43	J-392	8.0	PVC	120.0	0.000	(N/A)	(N/A)
P-571	18	R-7	GPV-1	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-572	13	GPV-1	Well 3	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-573	16	Well 3	J-157	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-574	52	R-8	GPV-2	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-575	55	GPV-2	Well 1	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-576	49	Well 1	J-82	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-577	37	R-9	GPV-3	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-578	31	GPV-3	Well 2	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-579	26	Well 2	J-90	36.0	PVC	120.0	0.000	(N/A)	(N/A)
P-601	86	Airport GST	Airport-3	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-602	119	Airport-3	J-391	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-603	62	J-391	J-260	16.0	PVC	120.0	0.000	9,639.4	15.38
P-604	111	Airport GST	Airport-1	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-605	99	Airport-1	J-391	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-611	10	J-392	J-387	8.0	PVC	120.0	0.800	1,440.6	9.20
P-616	96	Airport GST	Airport-2	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-617	93	Airport-2	J-391	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-628(1)	615	J-260	J-1411	16.0	PVC	120.0	0.350	1,395.4	2.23
P-628(2)	761	J-1411	J-393	16.0	PVC	120.0	0.500	979.9	1.56
P-629(1)	606	J-393	J-1672	10.0	PVC	120.0	0.300	0.0	0.00
P-629(2)(1)	510	J-1672	PRV-29	10.0	PVC	120.0	0.500	(N/A)	(N/A)

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-629(2)(2)	296	PRV-29	J-236	10.0	PVC	120.0	0.500	(N/A)	(N/A)
P-631	534	J-1409	J-241	10.0	PVC	120.0	0.000	773.8	3.16
P-631(1)	552	J-393	J-490	10.0	PVC	120.0	0.000	979.9	4.00
P-631(2)(1)	1,843	J-490	J-1409	10.0	PVC	120.0	0.300	979.9	4.00
P-690	371	J-291	J-51	6.0	PVC	120.0	0.500	0.0	0.00
P-692	354	J-30	J-421	12.0	PVC	120.0	0.800	1,785.5	5.07
P-717	62	J-23	J-426	8.0	PVC	120.0	0.350	0.0	0.00
P-718	66	J-426	J-157	8.0	PVC	120.0	1.280	(N/A)	(N/A)
P-741	389	J-431	J-370	8.0	PVC	120.0	0.000	74.9	0.48
P-742	391	J-125	J-431	6.0	PVC	120.0	1.280	13.7	0.16
P-743	399	J-129	J-431	8.0	PVC	120.0	0.350	88.6	0.57
P-748	385	J-66	J-51	8.0	PVC	120.0	0.750	360.6	2.30
P-750	162	J-290	J-158	8.0	PVC	120.0	0.350	188.3	1.20
P-751	375	J-21	J-168	6.0	PVC	120.0	0.000	89.5	1.02
P-755	139	J-437	J-80	12.0	PVC	120.0	0.000	28.2	0.08
P-756	159	J-80	J-438	12.0	PVC	120.0	0.000	38.0	0.11
P-757	152	J-438	J-439	12.0	PVC	120.0	0.000	38.0	0.11
P-763	381	J-444	J-372	12.0	PVC	120.0	1.280	16.1	0.05
P-765	741	J-32	J-432	12.0	PVC	120.0	1.280	0.0	0.00
P-766	192	J-31	J-52	8.0	PVC	120.0	0.750	527.6	3.37
P-789	111	J-72	J-435	6.0	PVC	120.0	0.350	10.3	0.12
P-790	398	J-435	J-73	6.0	PVC	120.0	0.500	79.4	0.90
P-791	124	J-304	J-469	6.0	PVC	120.0	1.280	60.0	0.68
P-792	359	J-154	J-153	6.0	PVC	120.0	0.800	0.0	0.00
P-794	384	J-160	J-162	8.0	PVC	120.0	0.500	60.2	0.38
P-795	394	J-124	J-129	6.0	PVC	120.0	1.280	27.8	0.32
P-796	379	J-113	J-171	8.0	PVC	120.0	0.500	22.5	0.14
P-797	391	J-443	J-444	8.0	PVC	120.0	0.350	113.3	0.72
P-798	401	J-444	J-102	8.0	PVC	120.0	0.500	97.3	0.62
P-799	377	J-32	J-12	8.0	PVC	120.0	0.750	255.5	1.63
P-809	38	J-299	J-436	2.0	PVC	120.0	0.000	37.9	3.87
P-810	432	J-436	J-79	2.0	PVC	120.0	0.500	3.0	0.31
P-811	301	J-435	J-437	12.0	PVC	120.0	0.000	69.1	0.20
P-812	108	J-437	J-436	12.0	PVC	120.0	0.000	40.9	0.12
P-813	150	J-368	J-441	8.0	PVC	120.0	0.000	112.5	0.72
P-814	227	J-441	J-63	8.0	PVC	120.0	1.280	112.5	0.72
P-815	90	J-81	J-439	8.0	PVC	120.0	0.000	249.2	1.59
P-816	80	J-439	J-79	8.0	PVC	120.0	0.000	287.2	1.83
P-842(1)(1)	620	J-455	PRV-21	16.0	PVC	120.0	0.500	(N/A)	(N/A)
P-842(1)(2)	2,402	PRV-21	J-1336	16.0	PVC	120.0	0.500	(N/A)	(N/A)
P-842(2)	825	J-1336	J-478	16.0	PVC	120.0	0.350	1,248.0	1.99
P-845(1)(1)(1)	236	J-479	PRV-17	16.0	PVC	120.0	0.350	(N/A)	(N/A)
P-845(1)(1)(2)	1,978	PRV-17	J-1687	16.0	PVC	120.0	0.350	(N/A)	(N/A)
P-845(1)(2)	2,250	J-1687	J-480	16.0	PVC	120.0	0.350	447.0	0.71
P-846(2)	3,649	J-506	J-481	16.0	PVC	120.0	0.750	648.7	1.04
P-847(1)	1,899	J-481	J-1375	16.0	PVC	120.0	0.500	975.0	1.56
P-847(2)(1)	2,060	J-1375	PRV-24	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-847(2)(2)	21	PRV-24	J-482	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-848(1)(1)(1)	3,158	J-482	J-1376	16.0	PVC	120.0	0.500	1,497.8	2.39
P-848(1)(1)(2)(1)	519	J-1376	J-1378	16.0	PVC	120.0	0.350	1,682.3	2.68
P-848(1)(1)(2)(2)	1,433	J-1378	J-875	16.0	PVC	120.0	0.350	1,682.3	2.68
P-852(1)	2,082	J-484	PRV-22	16.0	PVC	120.0	0.350	(N/A)	(N/A)
P-852(2)	152	PRV-22	J-485	16.0	PVC	120.0	0.350	(N/A)	(N/A)
P-854(1)	2,265	J-486	J-1352	12.0	PVC	120.0	0.500	828.0	2.35
P-855(1)(1)	455	J-485	J-1664	16.0	PVC	120.0	0.000	0.0	0.00
P-855(1)(2)	1,515	J-1664	J-1334	16.0	PVC	120.0	0.500	629.6	1.00
P-855(2)	1,535	J-1334	J-107	16.0	PVC	120.0	0.350	216.4	0.35
P-860	264	J-482	J-1715	12.0	PVC	120.0	0.750	1,497.8	4.25
P-861	1,191	J-1715	J-492	12.0	PVC	120.0	0.200	1,497.8	4.25
P-862(1)	3,826	J-492	J-1346	12.0	PVC	120.0	0.200	482.3	1.37
P-862(2)(1)	373	J-1346	J-1665	12.0	PVC	120.0	0.350	192.2	0.55
P-862(2)(2)	403	J-1665	J-493	12.0	PVC	120.0	1.280	192.2	0.55
P-863(1)(1)	431	J-493	J-1506	16.0	PVC	120.0	0.350	192.2	0.31
P-863(1)(2)	173	J-1506	J-1204	16.0	PVC	120.0	0.350	581.1	0.93
P-863(2)	241	J-1204	J-235	16.0	PVC	120.0	0.000	581.1	0.93
P-865(1)	2,946	J-347	J-1403	6.0	PVC	120.0	0.500	401.9	4.56
P-865(2)	2,708	J-1403	J-495	12.0	PVC	120.0	0.350	187.6	0.53
P-866(1)	2,645	J-495	J-1405	12.0	PVC	120.0	0.500	882.8	2.50
P-866(2)	2,377	J-1405	J-496	12.0	PVC	120.0	0.350	1,704.8	4.84
P-867	1,294	J-496	J-497	12.0	PVC	120.0	0.350	84.7	0.24
P-868	2,468	J-497	J-498	12.0	PVC	120.0	0.800	1,400.2	3.97
P-869(1)	1,956	J-498	J-1667	12.0	PVC	120.0	1.280	927.7	2.63
P-869(2)	717	J-1667	J-499	12.0	PVC	120.0	0.200	927.7	2.63
P-870(1)	809	J-499	J-1318	12.0	PVC	120.0	0.350	672.7	1.91
P-870(2)(1)	1,304	J-1318	J-1394	12.0	PVC	120.0	0.350	146.2	0.41
P-870(2)(2)	217	J-1394	J-178	12.0	PVC	120.0	0.350	39.8	0.11
P-871(1)(1)(1)(1)	385	J-498	J-1101	16.0	PVC	120.0	0.350	2,327.9	3.71
P-871(1)(1)(1)(2)(1)	118	J-1101	J-1570	16.0	PVC	120.0	0.000	2,327.9	3.71
P-871(1)(1)(1)(2)(2)	127	J-1570	J-1100	16.0	PVC	120.0	0.000	2,327.9	3.71
P-871(1)(1)(2)	878	J-1100	J-1065	16.0	PVC	120.0	0.000	2,327.9	3.71
P-871(1)(2)(1)(1)	270	J-1065	J-1573	16.0	PVC	120.0	0.500	2,327.9	3.71
P-871(1)(2)(1)(2)	165	J-1573	J-1066	16.0	PVC	120.0	0.000	3,302.9	5.27
P-871(1)(2)(2)	1,127	J-1066	J-1038	16.0	PVC	120.0	0.000	3,302.9	5.27
P-871(2)(1)	370	J-1038	J-1039	16.0	PVC	120.0	0.100	3,302.9	5.27
P-871(2)(2)	327	J-1039	J-500	16.0	PVC	120.0	0.500	3,302.9	5.27
P-872(1)(1)(1)(1)(1)(1)	547	J-500	J-1563	16.0	PVC	120.0	0.000	254.8	0.41

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-872(1)(1)(1)(1)(1)(2)	52	J-1563	J-1020	16.0	PVC	120.0	0.000	254.8	0.41
P-872(1)(1)(1)(1)(2)	457	J-1020	J-1013	16.0	PVC	120.0	0.500	254.8	0.41
P-872(1)(1)(1)(2)	113	J-1013	J-995	16.0	PVC	120.0	0.000	156.5	0.25
P-872(1)(1)(2)	386	J-995	J-993	16.0	PVC	120.0	0.000	156.5	0.25
P-872(1)(2)	480	J-993	J-991	16.0	PVC	120.0	0.000	156.5	0.25
P-872(2)(1)	60	J-991	PRV-27	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-872(2)(2)	132	PRV-27	J-227	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-873(1)(1)	1,382	J-501	J-1677	12.0	PVC	120.0	0.750	11.3	0.03
P-873(1)(2)	1,212	J-1677	J-1392	12.0	PVC	120.0	0.350	11.3	0.03
P-873(2)	1,595	J-1392	J-500	12.0	PVC	120.0	0.750	557.3	1.58
P-874	1,084	J-500	J-502	16.0	PVC	120.0	1.280	3,605.4	5.75
P-875(1)(1)	1,295	J-502	J-1668	16.0	PVC	120.0	0.100	1,452.5	2.32
P-875(1)(2)	343	J-1668	J-1413	16.0	PVC	120.0	0.350	379.2	0.61
P-875(2)(1)	456	J-1413	PRV-28	16.0	PVC	120.0	1.280	(N/A)	(N/A)
P-875(2)(2)	159	PRV-28	J-327	16.0	PVC	120.0	1.280	(N/A)	(N/A)
P-877(1)(1)	1,321	J-502	J-1734	16.0	PVC	120.0	0.350	3,183.1	5.08
P-877(1)(2)	1,214	J-1734	J-1399	16.0	PVC	120.0	0.350	3,183.1	5.08
P-877(2)(1)	1,285	J-1399	J-1669	12.0	PVC	120.0	0.350	1,620.1	4.60
P-877(2)(2)	2,354	J-1669	J-496	12.0	PVC	120.0	1.280	1,620.1	4.60
P-889	51	J-507	J-250	12.0	PVC	120.0	0.000	2,663.5	7.56
P-890	13	J-507	T-28	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-891	21	R-16	PMP-24	16.0	PVC	120.0	0.000	0.0	0.00
P-892	30	PMP-24	Medina Valley	16.0	PVC	120.0	0.000	0.0	0.00
P-895	16	J-508	PMP-26	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-896	12	PMP-26	J-509	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-897	26	J-508	PMP-27	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-898	18	PMP-27	J-509	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-903	13	J-509	J-507	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-904	14	Medina Valley	J-508	16.0	PVC	120.0	0.000	2,663.5	4.25
P-905	11	J-508	PMP-25	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-907	16	PMP-25	J-509	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-908(1)	731	J-238	J-1416	12.0	PVC	120.0	0.000	654.5	1.86
P-908(2)	771	J-1416	J-250	12.0	PVC	120.0	0.000	1,180.2	3.35
P-910(1)	142	J-507	PRV-30	16.0	PVC	120.0	0.800	(N/A)	(N/A)
P-910(2)	203	PRV-30	J-235	16.0	PVC	120.0	0.800	(N/A)	(N/A)
P-927	13	J-507	T-29	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-932	230	Alsatian Oaks	J-875	36.0	PVC	120.0	0.750	9,638.4	3.04
P-934	184	R-19	Alsatian Oaks	36.0	PVC	120.0	0.000	0.0	0.00
P-1271	605	J-493	J-1116	16.0	PVC	120.0	0.300	0.0	0.00
P-1424	14	J-509	J-1224	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1425	10	J-1224	T-28	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1426	11	J-1224	T-29	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1447(1)(1)	1,242	J-1236	J-1277	16.0	PVC	120.0	0.350	2,083.5	3.32
P-1447(1)(2)(1)	1,471	J-1277	J-1314	16.0	PVC	120.0	0.000	2,083.5	3.32
P-1447(1)(2)(2)	1,097	J-1314	J-1274	16.0	PVC	120.0	0.000	326.3	0.52
P-1447(2)(1)	1,282	J-1274	J-1714	16.0	PVC	120.0	0.000	326.3	0.52
P-1447(2)(2)	173	J-1714	J-481	16.0	PVC	120.0	0.000	326.3	0.52
P-1451	729	J-478	J-1241	16.0	PVC	120.0	0.000	799.3	1.28
P-1452	1,313	J-1241	J-1242	16.0	PVC	120.0	0.500	799.3	1.28
P-1462(1)	1,636	J-1242	J-1358	16.0	PVC	120.0	0.350	2,106.7	3.36
P-1471(1)(1)(1)	1,865	J-479	J-1311	16.0	PVC	120.0	0.500	2,884.3	4.60
P-1472(1)(1)	1,422	J-506	J-1308	16.0	PVC	120.0	0.000	5,114.2	8.16
P-1472(1)(2)(1)	890	J-1308	J-1313	16.0	PVC	120.0	0.000	6,194.2	9.88
P-1472(1)(2)(2)	282	J-1313	J-1303	16.0	PVC	120.0	0.000	4,232.3	6.75
P-1484(1)	3,046	J-1262	J-1359	16.0	PVC	120.0	0.500	1,708.7	2.73
P-1484(2)(1)	1,066	J-1359	J-1663	16.0	PVC	120.0	0.350	1,210.7	1.93
P-1484(2)(2)	1,197	J-1663	J-1244	16.0	PVC	120.0	1.280	1,210.7	1.93
P-1487(1)(1)(1)	3,263	J-1276	J-1634	16.0	PVC	120.0	1.280	1,974.0	3.15
P-1487(1)(1)(2)	1,770	J-1634	J-1306	16.0	PVC	120.0	0.350	(N/A)	(N/A)
P-1487(1)(2)	736	J-1306	PRV-15	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1487(2)	2,562	PRV-15	J-1277	16.0	PVC	120.0	1.280	(N/A)	(N/A)
P-1488(1)	1,690	J-1276	J-1389	16.0	PVC	120.0	0.000	904.5	1.44
P-1490	1,192	J-1244	J-1280	16.0	PVC	120.0	0.800	1,172.7	1.87
P-1491(1)	1,685	J-1280	J-1357	16.0	PVC	120.0	0.800	1,172.7	1.87
P-1493	37	City Tank	J-392	36.0	PVC	120.0	0.000	1,440.6	0.45
P-1495(1)(1)(1)	620	J-1286	J-1385	16.0	PVC	120.0	0.000	1,745.2	2.78
P-1495(1)(1)(2)	437	J-1385	J-1384	16.0	PVC	120.0	0.050	2,268.7	3.62
P-1495(1)(2)	337	J-1384	J-1380	16.0	PVC	120.0	0.050	2,268.7	3.62
P-1495(2)(1)	289	J-1380	J-1381	16.0	PVC	120.0	0.000	2,268.7	3.62
P-1495(2)(2)(1)(2)	1,559	J-1383	J-1382	16.0	PVC	120.0	0.000	2,898.4	4.62
P-1495(2)(2)(2)	1,307	J-1382	J-905	16.0	PVC	120.0	0.050	3,207.4	5.12
P-1503	1,658	J-1295	J-480	16.0	PVC	120.0	1.280	3,163.5	5.05
P-1512(1)	823	J-1311	PRV-39	16.0	PVC	120.0	0.750	(N/A)	(N/A)
P-1512(2)	1,498	PRV-39	J-1312	16.0	PVC	120.0	0.750	(N/A)	(N/A)
P-1516	1,281	J-1244	J-1243	16.0	PVC	120.0	0.350	37.9	0.06
P-1517	1,610	J-1262	J-1302	16.0	PVC	120.0	0.000	2,563.7	4.09
P-1518	4,099	J-480	J-506	16.0	PVC	120.0	0.750	3,610.5	5.76
P-1519	2,636	J-1276	J-1275	16.0	PVC	120.0	0.350	1,069.5	1.71
P-1533	1,864	J-1330	J-1331	12.0	PVC	120.0	0.000	1,232.1	3.50
P-1534	836	J-150	J-1330	12.0	PVC	120.0	0.800	1,232.1	3.50
P-1535	1,182	J-1318	J-1332	8.0	PVC	120.0	1.280	526.5	3.36
P-1536(1)	474	J-1326	J-1407	12.0	PVC	120.0	0.000	1,638.3	4.65
P-1536(2)	3,644	J-1407	J-1333	12.0	PVC	120.0	0.350	1,368.3	3.88
P-1537	2,317	J-1333	J-495	12.0	PVC	120.0	1.280	149.3	0.42
P-1538	2,154	J-1334	J-1335	8.0	PVC	120.0	1.280	846.0	5.40
P-1539	1,535	J-1336	J-1337	12.0	PVC	120.0	0.750	982.5	2.79

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-1541	891	J-1262	J-1339	16.0	PVC	120.0	0.750	855.0	1.36
P-1543(1)	1,491	J-499	J-1343	8.0	PVC	120.0	1.280	255.0	1.63
P-1545	643	J-306	J-1344	8.0	PVC	120.0	1.280	79.5	0.51
P-1547	509	J-1346	J-1347	8.0	PVC	120.0	1.280	290.1	1.85
P-1549	839	J-464	J-1350	8.0	PVC	120.0	0.500	102.0	0.65
P-1550	2,349	J-463	J-1351	12.0	PVC	120.0	1.280	999.0	2.83
P-1551	686	J-1336	J-1354	8.0	PVC	120.0	0.000	265.5	1.69
P-1552(1)	1,088	J-1259	J-1355	16.0	PVC	120.0	0.000	818.9	1.31
P-1552(2)	1,627	J-1355	J-1254	16.0	PVC	120.0	0.350	967.6	1.54
P-1553(1)	2,003	J-1355	J-1636	16.0	PVC	120.0	1.280	1,786.5	2.85
P-1553(2)	1,003	J-1636	J-1356	16.0	PVC	120.0	0.800	1,786.5	2.85
P-1554(2)	1,272	J-1391	J-1358	16.0	PVC	120.0	1.280	1,139.1	1.82
P-1555(1)	3,227	J-1259	J-1657	16.0	PVC	120.0	0.800	818.9	1.31
P-1555(2)(1)	859	J-1657	J-1662	16.0	PVC	120.0	0.500	1,447.1	2.31
P-1555(2)(2)	853	J-1662	J-1243	16.0	PVC	120.0	1.280	1,447.1	2.31
P-1556	3,213	J-1254	J-1358	16.0	PVC	120.0	0.800	967.6	1.54
P-1557	784	J-1359	J-1360	16.0	PVC	120.0	1.280	498.0	0.79
P-1566	2,413	J-1243	J-1242	16.0	PVC	120.0	0.350	1,409.2	2.25
P-1567	2,072	J-1302	J-1311	16.0	PVC	120.0	0.000	3,268.7	5.22
P-1571	2,039	J-1295	J-1373	16.0	PVC	120.0	0.750	2,017.5	3.22
P-1572	1,896	J-1295	J-1374	16.0	PVC	120.0	0.000	1,146.0	1.83
P-1573	814	J-1376	J-1377	8.0	PVC	120.0	1.280	184.5	1.18
P-1575	362	J-1286	J-1386	16.0	PVC	120.0	0.000	1,745.2	2.78
P-1578	5,426	J-1242	J-1311	16.0	PVC	120.0	0.750	2,716.6	4.33
P-1579	453	J-1392	J-1393	8.0	PVC	120.0	1.280	546.0	3.48
P-1581	1,125	J-1399	J-1400	12.0	PVC	120.0	1.280	1,563.0	4.43
P-1582	1,287	J-1402	J-1403	12.0	PVC	120.0	1.280	0.0	0.00
P-1583	618	J-1405	J-1406	12.0	PVC	120.0	1.280	822.0	2.33
P-1584	497	J-1407	J-1408	8.0	PVC	120.0	1.280	270.0	1.72
P-1585	241	J-1409	J-1410	12.0	PVC	120.0	0.500	206.0	0.58
P-1586	354	J-1411	J-1412	8.0	PVC	120.0	1.280	415.5	2.65
P-1587	227	J-1413	J-1414	8.0	PVC	120.0	1.280	379.2	2.42
P-1590	673	J-1416	J-1417	8.0	PVC	120.0	0.000	525.6	3.35
P-1591	1,405	J-1333	J-1418	12.0	PVC	120.0	0.350	1,219.0	3.46
P-1595	896	J-1116	J-1423	16.0	PVC	120.0	0.100	0.0	0.00
P-1596	33	J-652	J-655	16.0	PVC	120.0	0.350	1,226.6	1.96
P-1597(1)(1)	625	J-1423	PRV-36	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1597(1)(2)	754	PRV-36	J-1691	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1597(2)	1,537	J-1691	J-1425	16.0	PVC	120.0	0.000	733.7	1.17
P-1598	1,903	J-1425	J-1426	16.0	PVC	120.0	0.300	733.7	1.17
P-1599	1,107	J-1426	J-1427	12.0	PVC	120.0	0.300	286.8	0.81
P-1600	1,101	J-1427	J-1428	12.0	PVC	120.0	0.000	286.8	0.81
P-1601	1,057	J-1428	J-1429	12.0	PVC	120.0	0.300	286.8	0.81
P-1602	546	J-1429	J-1430	8.0	PVC	120.0	0.000	286.8	1.83
P-1603	406	J-1430	J-1431	8.0	PVC	120.0	0.350	286.8	1.83
P-1616	906	J-464	J-208	8.0	PVC	120.0	0.300	306.8	1.96
P-1617	909	J-463	J-464	8.0	PVC	120.0	0.350	204.8	1.31
P-1617	690	J-655	J-1446	16.0	PVC	120.0	1.280	239.7	0.38
P-1617	1,207	J-1699	J-1692	16.0	PVC	120.0	1.280	595.1	0.95
P-1618	293	J-1386	J-463	16.0	PVC	120.0	0.000	866.2	1.38
P-1618	890	J-1446	J-1447	16.0	PVC	120.0	0.100	239.7	0.38
P-1619	220	J-1293	J-1386	8.0	PVC	120.0	0.000	879.0	5.61
P-1619(1)	94	J-1447	J-1464	16.0	PVC	120.0	0.000	239.7	0.38
P-1619(2)	144	J-1464	J-1448	16.0	PVC	120.0	0.050	239.7	0.38
P-1620	253	J-462	J-1293	8.0	PVC	120.0	0.000	879.0	5.61
P-1620	327	J-1448	J-1449	16.0	PVC	120.0	0.050	239.7	0.38
P-1621	802	J-486	J-462	8.0	PVC	120.0	0.300	879.0	5.61
P-1621(1)	270	J-1449	J-1465	16.0	PVC	120.0	0.500	239.7	0.38
P-1621(2)	227	J-1465	J-1450	16.0	PVC	120.0	0.000	565.1	0.90
P-1622	555	J-455	J-486	6.0	PVC	120.0	0.000	36.0	0.41
P-1622(1)	178	J-1450	J-1468	16.0	PVC	120.0	0.000	565.1	0.90
P-1622(2)	146	J-1468	J-1451	16.0	PVC	120.0	0.350	565.1	0.90
P-1623	102	J-455	J-456	6.0	PVC	120.0	0.000	36.0	0.41
P-1623	94	J-1451	J-1452	16.0	PVC	120.0	0.000	565.1	0.90
P-1624	306	J-456	J-465	4.0	PVC	120.0	0.200	36.0	0.92
P-1624	132	J-1452	J-1453	16.0	PVC	120.0	0.000	565.1	0.90
P-1625	377	J-465	J-448	4.0	PVC	120.0	0.000	21.0	0.54
P-1625(1)	1,153	J-1453	J-1471	16.0	PVC	120.0	0.000	565.1	0.90
P-1625(2)	255	J-1471	J-1454	16.0	PVC	120.0	0.100	565.1	0.90
P-1626	271	J-448	J-466	4.0	PVC	120.0	0.000	21.0	0.54
P-1627	345	J-466	J-458	4.0	PVC	120.0	0.350	21.0	0.54
P-1628	357	J-458	J-468	3.0	PVC	120.0	0.000	12.0	0.54
P-1628	172	J-1454	J-1457	16.0	PVC	120.0	0.500	565.1	0.90
P-1629	1,046	J-1457	J-1458	16.0	PVC	120.0	0.750	3,207.4	5.12
P-1630	369	J-468	J-460	3.0	PVC	120.0	0.000	12.0	0.54
P-1630	877	J-1458	J-1459	16.0	PVC	120.0	0.000	3,207.4	5.12
P-1631	313	J-460	J-461	2.0	PVC	120.0	0.800	12.0	1.23
P-1631	793	J-1459	J-905	16.0	PVC	120.0	0.050	3,207.4	5.12
P-1632	250	J-458	J-459	2.0	PVC	120.0	1.280	9.0	0.92
P-1633	390	J-188	J-234	10.0	PVC	120.0	0.000	428.3	1.75
P-1634	419	J-501	J-303	6.0	PVC	120.0	0.500	111.0	1.26
P-1635	489	J-651	J-236	16.0	PVC	120.0	0.300	1,226.6	1.96
P-1636	172	J-655	J-328	16.0	PVC	120.0	0.000	986.9	1.57
P-1636	458	J-1465	J-1466	8.0	PVC	120.0	0.750	439.5	2.81
P-1637	122	J-870	J-335	16.0	PVC	120.0	0.000	575.1	0.92
P-1651	304	J-1457	J-1483	16.0	PVC	120.0	0.050	2,291.6	3.66

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-1652	362	J-1483	J-1484	16.0	PVC	120.0	0.050	2,291.6	3.66
P-1653	385	J-1484	J-1485	16.0	PVC	120.0	0.050	2,291.6	3.66
P-1654	275	J-1485	J-1486	16.0	PVC	120.0	0.500	2,291.6	3.66
P-1654(1)	382	J-1498	J-1484	12.0	PVC	120.0	0.350	0.0	0.00
P-1654(2)	609	J-1498	J-1485	12.0	PVC	120.0	0.000	0.0	0.00
P-1655	254	J-1486	J-1487	16.0	PVC	120.0	0.100	0.0	0.00
P-1655	183	J-1709	J-1498	12.0	PVC	120.0	1.280	19.5	0.06
P-1656	188	J-1487	J-488	16.0	PVC	120.0	0.350	0.0	0.00
P-1662	504	J-1457	J-1494	16.0	PVC	120.0	0.050	1,480.8	2.36
P-1663	486	J-1494	J-1495	16.0	PVC	120.0	0.050	1,480.8	2.36
P-1664	508	J-1495	J-1496	16.0	PVC	120.0	0.000	1,480.8	2.36
P-1665(1)	232	J-1496	J-1513	16.0	PVC	120.0	0.300	1,480.8	2.36
P-1665(2)	732	J-1513	J-1497	16.0	PVC	120.0	0.000	611.3	0.98
P-1666	566	J-1497	J-2022	16.0	PVC	120.0	0.000	611.3	0.98
P-1667	771	J-2022	J-1499	16.0	PVC	120.0	0.500	611.3	0.98
P-1668	846	J-1499	J-1500	16.0	PVC	120.0	0.000	651.5	1.04
P-1669(1)	256	J-1500	J-1507	16.0	PVC	120.0	0.000	651.5	1.04
P-1669(2)	332	J-1507	J-1501	16.0	PVC	120.0	0.000	651.5	1.04
P-1670	520	J-1501	J-1502	16.0	PVC	120.0	0.050	651.5	1.04
P-1671	318	J-1502	J-1503	16.0	PVC	120.0	0.050	651.5	1.04
P-1672(1)	131	J-1503	J-1519	16.0	PVC	120.0	0.500	651.5	1.04
P-1672(2)	305	J-1519	J-1504	16.0	PVC	120.0	0.050	389.0	0.62
P-1673	490	J-1504	J-1505	16.0	PVC	120.0	0.050	389.0	0.62
P-1674(1)	174	J-1505	J-1525	16.0	PVC	120.0	0.000	389.0	0.62
P-1674(2)	286	J-1525	J-1506	16.0	PVC	120.0	1.280	389.0	0.62
P-1678	723	J-1499	J-1511	8.0	PVC	120.0	0.750	362.0	2.31
P-1679	654	J-1499	J-1512	8.0	PVC	120.0	0.000	321.8	2.05
P-1680(1)	393	J-1513	J-1517	16.0	PVC	120.0	0.500	3,519.0	5.62
P-1680(2)	646	J-1517	J-1514	16.0	PVC	120.0	0.000	3,519.0	5.62
P-1681	841	J-1514	J-1515	16.0	PVC	120.0	0.000	4,481.0	7.15
P-1685	349	J-1519	J-1521	8.0	PVC	120.0	0.000	131.3	0.84
P-1687	362	J-1519	J-1523	8.0	PVC	120.0	0.750	131.3	0.84
P-1704(1)	159	J-1116	PRV-31	12.0	PVC	120.0	0.500	(N/A)	(N/A)
P-1704(2)	199	PRV-31	J-1540	12.0	PVC	120.0	0.500	(N/A)	(N/A)
P-1705	614	J-1540	J-1541	12.0	PVC	120.0	0.050	547.3	1.55
P-1706(1)	190	J-1541	J-1559	12.0	PVC	120.0	0.000	547.3	1.55
P-1706(2)	544	J-1559	J-1542	12.0	PVC	120.0	0.500	23.5	0.07
P-1707	410	J-1542	J-1543	12.0	PVC	120.0	0.500	2,524.9	7.16
P-1708(1)	115	J-1543	J-1557	12.0	PVC	120.0	0.000	2,524.9	7.16
P-1708(2)	445	J-1557	J-1544	12.0	PVC	120.0	0.000	2,524.9	7.16
P-1709(1)	251	J-1544	J-1554	12.0	PVC	120.0	0.000	2,524.9	7.16
P-1709(2)	311	J-1554	J-1545	12.0	PVC	120.0	0.500	1,954.1	5.54
P-1710(1)	94	J-1545	J-1551	12.0	PVC	120.0	0.050	1,954.1	5.54
P-1710(2)	103	J-1551	J-1546	12.0	PVC	120.0	0.050	1,954.1	5.54
P-1711	328	J-1546	J-1547	12.0	PVC	120.0	0.050	1,954.1	5.54
P-1712	172	J-1547	J-1548	12.0	PVC	120.0	0.000	1,954.1	5.54
P-1713	183	J-1548	J-1549	12.0	PVC	120.0	0.100	1,954.1	5.54
P-1714	202	J-1549	J-1550	12.0	PVC	120.0	0.100	1,954.1	5.54
P-1715	403	J-1550	J-1326	12.0	PVC	120.0	0.750	1,954.1	5.54
P-1721	510	J-1559	J-1560	8.0	PVC	120.0	0.000	285.4	1.82
P-1722	599	J-1559	J-1561	8.0	PVC	120.0	0.750	285.4	1.82
P-1723	924	J-1013	J-1562	8.0	PVC	120.0	0.750	487.5	3.11
P-1729	571	J-1573	J-1574	8.0	PVC	120.0	0.750	487.5	3.11
P-1730	545	J-1573	J-1575	8.0	PVC	120.0	0.000	487.5	3.11
P-1732	483	J-1326	J-1577	16.0	PVC	120.0	0.000	2,118.9	3.38
P-1733	3,069	J-1577	J-1578	16.0	PVC	120.0	0.300	2,118.9	3.38
P-1734	2,082	J-1578	J-1579	16.0	PVC	120.0	0.000	780.3	1.25
P-1735	1,454	J-1579	J-1580	16.0	PVC	120.0	0.300	780.3	1.25
P-1747	1,039	J-1426	J-1594	16.0	PVC	120.0	0.500	447.0	0.71
P-1748	1,631	J-1594	J-1595	16.0	PVC	120.0	0.000	447.0	0.71
P-1749	1,358	J-1595	J-1596	16.0	PVC	120.0	0.000	2,470.9	3.94
P-1750(1)	2,438	J-1596	J-1602	24.0	PVC	120.0	0.750	3,767.1	2.67
P-1750(2)(1)	1,137	J-1602	J-1638	24.0	PVC	120.0	1.280	6,116.1	4.34
P-1750(2)(2)(1)	121	J-1638	J-1716	24.0	PVC	120.0	0.000	6,116.1	4.34
P-1750(2)(2)(2)	1,215	J-1716	J-1597	24.0	PVC	120.0	0.000	6,116.1	4.34
P-1751(1)(1)(1)	389	J-482	PRV-34	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1751(1)(1)(2)	1,474	PRV-34	J-1692	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1751(1)(2)	848	J-1692	J-1601	16.0	PVC	120.0	0.000	733.7	1.17
P-1751(2)	2,407	J-1601	J-1596	16.0	PVC	120.0	0.500	733.7	1.17
P-1752(1)	2,306	J-1596	J-1600	8.0	PVC	120.0	0.000	562.5	3.59
P-1754(1)(1)	163	J-1427	PRV-33	12.0	PVC	120.0	0.500	(N/A)	(N/A)
P-1754(1)(2)(1)	1,605	PRV-33	J-1729	12.0	PVC	120.0	0.500	(N/A)	(N/A)
P-1754(1)(2)(2)	2,585	J-1729	J-1604	12.0	PVC	120.0	0.500	816.1	2.31
P-1754(2)(1)	3,432	J-1604	J-1628	16.0	PVC	120.0	0.500	1,428.5	2.28
P-1754(2)(2)	2,390	J-1628	J-1580	16.0	PVC	120.0	1.280	780.3	1.25
P-1756	1,353	J-256	J-1542	12.0	PVC	120.0	0.750	10.9	0.03
P-1757(1)(1)	1,954	J-1542	J-1690	16.0	PVC	120.0	0.500	2,537.5	4.05
P-1757(1)(2)	1,452	J-1690	J-1631	16.0	PVC	120.0	0.500	6,660.9	10.63
P-1757(2)	2,772	J-1631	J-1604	16.0	PVC	120.0	0.750	3,392.0	5.41
P-1782	1,669	J-1628	J-1630	16.0	PVC	120.0	1.280	2,208.7	3.52
P-1783	1,647	J-1631	J-1632	12.0	PVC	120.0	0.750	1,564.3	4.44
P-1784	1,267	J-1631	J-1633	12.0	PVC	120.0	0.000	1,704.6	4.84
P-1785(1)	1,421	J-1597	J-1315	24.0	PVC	120.0	0.000	6,116.1	4.34
P-1785(2)	1,302	J-1315	J-1634	24.0	PVC	120.0	1.280	8,558.1	6.07
P-1786(1)	2,369	J-481	PRV-19	16.0	PVC	120.0	1.280	(N/A)	(N/A)
P-1786(2)	2,738	PRV-19	J-1638	16.0	PVC	120.0	1.280	(N/A)	(N/A)

FlexTable: Pipe Table

Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Minor Loss Coefficient (Local)	Flow (Absolute) (gpm)	Velocity (ft/s)
P-1787	632	J-495	J-1639	12.0	PVC	120.0	0.750	844.5	2.40
P-1788	619	J-1418	J-1640	8.0	PVC	120.0	0.800	897.0	5.73
P-1789	782	J-1578	J-1641	12.0	PVC	120.0	0.500	1,338.6	3.80
P-1790	1,492	J-1604	J-1642	12.0	PVC	120.0	0.000	1,147.5	3.26
P-1792	713	J-1431	J-1644	8.0	PVC	120.0	0.000	286.8	1.83
P-1793	495	J-1554	J-1645	8.0	PVC	120.0	0.000	285.4	1.82
P-1794	441	J-1554	J-1646	8.0	PVC	120.0	0.750	285.4	1.82
P-1795	639	J-1013	J-1648	8.0	PVC	120.0	0.000	585.8	3.74
P-1796	516	J-1465	J-1649	8.0	PVC	120.0	0.000	114.2	0.73
P-1797	564	J-1486	J-1650	8.0	PVC	120.0	0.750	591.8	3.78
P-1798	552	J-1486	J-1651	16.0	PVC	120.0	0.000	2,883.4	4.60
P-1799	358	J-1515	J-875	24.0	PVC	120.0	0.000	7,956.1	5.64
P-1802	680	J-332	J-1415	8.0	PVC	120.0	1.280	162.3	1.04
P-1804	1,288	J-1391	J-1657	16.0	PVC	120.0	0.000	260.4	0.42
P-1805	2,414	J-1657	J-1357	16.0	PVC	120.0	0.750	367.8	0.59
P-1807	222	J-1381	J-1664	16.0	PVC	120.0	0.750	2,268.7	3.62
P-1808	154	J-1664	J-1383	16.0	PVC	120.0	0.050	2,898.4	4.62
P-1809(1)	558	J-1326	J-1674	12.0	PVC	120.0	0.500	1,803.1	5.11
P-1809(2)	689	J-1674	J-1673	12.0	PVC	120.0	0.350	1,803.1	5.11
P-1810	274	J-1673	J-243	12.0	PVC	120.0	0.300	1,803.1	5.11
P-1812	74	J-1313	U Tank 2	36.0	PVC	120.0	0.000	10,426.5	3.29
P-1818	594	J-478	J-1681	16.0	PVC	120.0	0.000	2,047.3	3.27
P-1819	4,706	J-1681	J-479	16.0	PVC	120.0	0.000	2,047.3	3.27
P-1820	1,657	J-479	J-484	16.0	PVC	120.0	0.000	837.0	1.34
P-1822	682	J-318	J-1683	12.0	PVC	120.0	1.280	184.5	0.52
P-1823	251	U Tank 1	J-1311	36.0	PVC	120.0	0.000	9,978.0	3.15
P-1823	564	J-216	J-1685	8.0	PVC	120.0	0.800	208.8	1.33
P-1824	128	R-25	U Tank 1	36.0	PVC	120.0	0.000	461,668.8	145.52
P-1824	380	J-1685	J-1686	8.0	PVC	120.0	0.200	208.8	1.33
P-1825	297	J-1686	J-1687	8.0	PVC	120.0	0.050	208.8	1.33
P-1826	123	J-1687	J-1475	8.0	PVC	120.0	0.100	208.8	1.33
P-1827	519	J-1475	J-1707	8.0	PVC	120.0	0.800	289.8	1.85
P-1828	304	U Tank 3	J-1634	36.0	PVC	120.0	0.000	10,532.1	3.32
P-1828	285	J-1707	J-325	8.0	PVC	120.0	0.350	289.8	1.85
P-1829	272	R-28	U Tank 3	36.0	PVC	120.0	0.000	293,301.3	92.45
P-1830	1,302	J-1691	J-1513	16.0	PVC	120.0	0.000	1,426.9	2.28
P-1831	1,151	J-1692	J-1691	16.0	PVC	120.0	0.500	595.1	0.95
P-1833	1,850	J-1312	J-1687	12.0	PVC	120.0	0.000	447.0	1.27
P-1835	1,767	J-1691	J-1512	12.0	PVC	120.0	0.000	278.2	0.79
P-1836	2,260	J-1511	J-1514	12.0	PVC	120.0	0.000	962.0	2.73
P-1837	1,205	J-1649	J-1691	12.0	PVC	120.0	0.750	553.7	1.57
P-1838	1,297	J-252	J-1540	16.0	PVC	120.0	0.000	547.3	0.87
P-1838(1)	1,756	J-1690	J-1694	24.0	PVC	120.0	0.000	9,198.4	6.52
P-1838(2)(1)	576	J-1694	PRV-32	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1838(2)(2)	270	PRV-32	J-1691	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1839	5,053	J-1691	J-1692	16.0	PVC	120.0	0.000	733.7	1.17
P-1842	179	J-1694	U Tank 4	36.0	PVC	120.0	0.000	9,198.4	2.90
P-1843	203	U Tank 4	R-29	36.0	PVC	120.0	0.000	370,234.4	116.70
P-1844	1,306	J-484	J-1397	12.0	PVC	120.0	0.000	837.0	2.37
P-1845(1)	1,110	J-502	J-1732	24.0	PVC	120.0	0.000	8,241.0	5.84
P-1845(2)	390	J-1732	J-258	24.0	PVC	120.0	0.000	8,241.0	5.84
P-1846	91	Airport GST	J-1696	24.0	PVC	120.0	0.000	9,639.4	6.84
P-1847	99	J-1696	J-391	24.0	PVC	120.0	0.000	9,639.4	6.84
P-1849	31	J-508	J-507	16.0	PVC	120.0	0.000	2,663.5	4.25
P-1865	1,253	J-309	J-991	8.0	PVC	120.0	0.000	156.5	1.00
P-1867	1,782	J-1515	J-1651	16.0	PVC	120.0	0.000	3,475.1	5.55
P-1868	3,631	J-1303	J-1314	16.0	PVC	120.0	0.000	4,232.3	6.75
P-1869	1,662	J-1729	J-1643	12.0	PVC	120.0	0.000	816.1	2.31
P-1870	2,568	J-506	J-1379	16.0	PVC	120.0	0.000	855.0	1.36
P-1871	1,684	J-1294	J-1295	16.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1872(1)	1,315	J-1379	PRV-41	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1872(2)	4	PRV-41	J-1378	12.0	PVC	120.0	0.000	(N/A)	(N/A)
P-1877	635	J-1648	J-1668	12.0	PVC	120.0	0.000	1,073.3	3.04
P-1900	59	R-26	U Tank 2	36.0	PVC	120.0	0.000	680,816.3	214.59
Polyline	725	J-1395	J-1394	8.0	PVC	120.0	1.280	186.0	1.19
Polyline(2)(1)(1)(1)	89	J-488	PRV-40	16.0	PVC	120.0	0.000	(N/A)	(N/A)
Polyline(2)(1)(1)(2)	501	PRV-40	J-1294	16.0	PVC	120.0	0.000	(N/A)	(N/A)

Fire Flow Node FlexTable: Fire Flow Results Table

Label	Satisfies Fire Flow Constraints?	Fire Flow Status	Fire Flow (Needed) (gpm)	Fire Flow (Available) (gpm)	Flow (Total Needed) (gpm)	Flow (Total Available) (gpm)	Pressure (Residual Lower Limit) (psi)	Pressure (Calculated Residual) (psi)	Pressure (Zone Lower Limit) (psi)	Pressure (Calculated Zone Lower Limit) (psi)	Junction w/ Minimum Pressure (Zone)	Pressure (Calculated System Lower Limit) (psi)	Junction w/ Minimum Pressure (System)	Is Fire Flow Run Balanced?
J-2	False	Residual Pressure Failed	1,000.0	214.8	1,000.0	214.8	20.0	20.0	5.0	22.4	J-385	22.4	J-385	True
J-3	True	Passed	1,000.0	1,196.1	1,000.0	1,196.1	20.0	20.0	5.0	19.2	J-2	19.2	J-2	True
J-4	True	Passed	1,000.0	2,969.3	1,000.0	2,969.3	20.0	20.0	5.0	11.9	J-432	11.9	J-432	True
J-5	True	Passed	1,000.0	3,500.0	1,013.5	3,513.5	20.0	36.3	5.0	8.9	J-2	8.9	J-2	True
J-6	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	36.5	5.0	8.4	J-2	8.4	J-2	True
J-7	True	Passed	1,000.0	3,500.0	1,018.0	3,518.0	20.0	23.6	5.0	8.0	J-2	8.0	J-2	True
J-9	True	Passed	1,000.0	3,333.0	1,000.0	3,333.0	20.0	20.0	5.0	9.0	J-2	9.0	J-2	True
J-10	True	Passed	1,000.0	2,674.5	1,016.5	2,691.0	20.0	20.0	5.0	12.9	J-2	12.9	J-2	True
J-11	True	Passed	1,000.0	2,741.4	1,000.0	2,741.4	20.0	20.0	5.0	12.7	J-2	12.7	J-2	True
J-12	True	Passed	1,000.0	3,493.9	1,042.0	3,535.9	20.0	41.0	5.0	5.0	J-432	5.0	J-432	True
J-13	True	Passed	1,000.0	2,192.6	1,000.0	2,192.6	20.0	20.0	5.0	15.8	J-2	15.8	J-2	True
J-14	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	43.8	5.0	8.6	J-432	8.6	J-432	True
J-15	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	43.8	5.0	8.9	J-2	8.9	J-2	True
J-16	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	46.2	5.0	8.7	J-2	8.7	J-2	True
J-17	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	53.7	5.0	8.5	J-2	8.5	J-2	True
J-18	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	45.9	5.0	5.4	J-2	5.4	J-2	True
J-19	True	Passed	1,000.0	3,500.0	1,046.5	3,546.5	20.0	33.8	5.0	5.3	J-2	5.3	J-2	True
J-20	True	Passed	1,000.0	3,500.0	1,027.0	3,527.0	20.0	29.0	5.0	5.9	J-2	5.9	J-2	True
J-21	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	31.6	5.0	6.1	J-2	6.1	J-2	True
J-22	True	Passed	1,000.0	3,500.0	1,055.5	3,555.5	20.0	26.8	5.0	6.3	J-2	6.3	J-2	True
J-23	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	24.1	5.0	6.4	J-2	6.4	J-2	True
J-24	True	Passed	1,000.0	3,500.0	1,024.0	3,524.0	20.0	22.3	5.0	6.6	J-2	6.6	J-2	True
J-25	True	Passed	1,000.0	3,500.0	1,016.5	3,516.5	20.0	20.1	5.0	6.7	J-2	6.7	J-2	True
J-26	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	39.6	5.0	8.2	J-2	8.2	J-2	True
J-27	True	Passed	1,000.0	3,500.0	1,040.5	3,540.5	20.0	45.6	5.0	8.1	J-2	8.1	J-2	True
J-28	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	48.6	5.0	7.9	J-2	7.9	J-2	True
J-29	True	Passed	1,000.0	3,500.0	1,030.0	3,530.0	20.0	42.7	5.0	6.9	J-2	6.9	J-2	True
J-30	False	Fire Node Residual Pressure Failed	1,000.0	0.0	1,000.0	0.0	20.0	10.6	5.0	23.3	J-2	23.3	J-2	True
J-31	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	49.3	5.0	10.4	J-2	10.4	J-2	True
J-32	True	Passed	1,000.0	2,953.4	1,000.0	2,953.4	20.0	47.2	5.0	5.0	J-432	5.0	J-432	True
J-33	True	Passed	1,000.0	2,599.7	1,000.0	2,599.7	20.0	20.0	5.0	13.7	J-2	13.7	J-2	True
J-34	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	27.4	5.0	8.0	J-2	8.0	J-2	True
J-36	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	38.0	5.0	8.0	J-2	8.0	J-2	True
J-37	True	Passed	1,000.0	3,296.8	1,000.0	3,296.8	20.0	20.0	5.0	10.0	J-2	10.0	J-2	True
J-38	True	Passed	1,000.0	2,804.6	1,025.5	2,830.1	20.0	20.0	5.0	13.3	J-2	13.3	J-2	True
J-39	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	31.3	5.0	10.9	J-2	10.9	J-2	True
J-40	True	Passed	1,000.0	3,500.0	1,019.5	3,519.5	20.0	41.2	5.0	7.9	J-2	7.9	J-2	True
J-41	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	44.6	5.0	7.8	J-2	7.8	J-2	True
J-42	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	46.1	5.0	7.8	J-2	7.8	J-2	True
J-43	True	Passed	1,000.0	3,500.0	1,045.0	3,545.0	20.0	41.8	5.0	7.5	J-2	7.5	J-2	True
J-45	True	Passed	1,000.0	3,500.0	1,022.5	3,522.5	20.0	34.7	5.0	7.9	J-2	7.9	J-2	True
J-48	True	Passed	1,000.0	3,402.5	1,010.5	3,413.0	20.0	20.0	5.0	8.6	J-2	8.6	J-2	True
J-50	False	Residual Pressure Failed	1,000.0	113.9	1,000.0	113.9	20.0	20.0	5.0	22.9	J-2	22.9	J-2	True
J-51	True	Passed	1,000.0	3,112.7	1,000.0	3,112.7	20.0	42.5	5.0	5.0	J-2	5.0	J-2	True
J-52	True	Passed	1,000.0	3,490.6	1,027.0	3,517.6	20.0	35.9	5.0	5.0	J-2	5.0	J-2	True
J-53	True	Passed	1,000.0	3,500.0	1,018.0	3,518.0	20.0	43.6	5.0	8.0	J-2	8.0	J-2	True
J-54	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	33.7	5.0	8.2	J-2	8.2	J-2	True

Fire Flow Node FlexTable: Fire Flow Results Table

Label	Satisfies Fire Flow Constraints?	Fire Flow Status	Fire Flow (Needed) (gpm)	Fire Flow (Available) (gpm)	Flow (Total Needed) (gpm)	Flow (Total Available) (gpm)	Pressure (Residual Lower Limit) (psi)	Pressure (Calculated Residual) (psi)	Pressure (Zone Lower Limit) (psi)	Pressure (Calculated Zone Lower Limit) (psi)	Junction w/ Minimum Pressure (Zone)	Pressure (Calculated System Lower Limit) (psi)	Junction w/ Minimum Pressure (System)	Is Fire Flow Run Balanced?
J-55	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	34.7	5.0	8.5	J-2	8.5	J-2	True
J-58	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	35.7	5.0	8.7	J-2	8.7	J-2	True
J-59	True	Passed	1,000.0	3,500.0	1,037.5	3,537.5	20.0	35.8	5.0	9.2	J-2	9.2	J-2	True
J-60	True	Passed	1,000.0	3,425.8	1,000.0	3,425.8	20.0	20.0	5.0	15.4	J-2	15.4	J-2	True
J-61	True	Passed	1,000.0	1,649.6	1,000.0	1,649.6	20.0	20.0	5.0	18.2	J-2	18.2	J-2	True
J-62	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	42.1	5.0	8.0	J-2	8.0	J-2	True
J-63	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	39.3	5.0	7.7	J-2	7.7	J-2	True
J-65	True	Passed	1,000.0	1,864.3	1,000.0	1,864.3	20.0	20.0	5.0	16.7	J-2	16.7	J-2	True
J-66	True	Passed	1,000.0	3,497.6	1,000.0	3,497.6	20.0	32.3	5.0	5.0	J-2	5.0	J-2	True
J-68	True	Passed	1,000.0	1,890.5	1,004.5	1,895.0	20.0	20.0	5.0	15.9	J-2	15.9	J-2	True
J-69	True	Passed	1,000.0	1,363.5	1,000.0	1,363.5	20.0	20.0	5.0	18.2	J-2	18.2	J-2	True
J-71	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	23.9	5.0	5.9	J-2	5.9	J-2	True
J-72	True	Passed	1,000.0	3,310.5	1,081.0	3,391.5	20.0	20.0	5.0	8.2	J-2	8.2	J-2	True
J-73	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	35.1	5.0	7.5	J-2	7.5	J-2	True
J-74	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	35.8	5.0	7.7	J-2	7.7	J-2	True
J-75	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	34.5	5.0	8.0	J-2	8.0	J-2	True
J-79	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	39.7	5.0	7.4	J-2	7.4	J-2	True
J-80	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	37.4	5.0	7.3	J-2	7.3	J-2	True
J-81	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	40.4	5.0	7.5	J-2	7.5	J-2	True
J-82	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	37.0	5.0	7.8	J-2	7.8	J-2	True
J-83	True	Passed	1,000.0	3,500.0	1,052.5	3,552.5	20.0	36.8	5.0	8.2	J-2	8.2	J-2	True
J-84	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	36.8	5.0	8.1	J-2	8.1	J-2	True
J-85	True	Passed	1,000.0	3,500.0	1,054.0	3,554.0	20.0	33.2	5.0	8.2	J-2	8.2	J-2	True
J-86	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	33.3	5.0	8.5	J-2	8.5	J-2	True
J-88	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	33.7	5.0	8.1	J-2	8.1	J-2	True
J-89	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	25.4	5.0	8.3	J-2	8.3	J-2	True
J-92	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	22.3	5.0	8.3	J-2	8.3	J-2	True
J-93	True	Passed	1,000.0	3,040.6	1,012.0	3,052.6	20.0	20.0	5.0	11.1	J-2	11.1	J-2	True
J-94	True	Passed	1,000.0	1,361.3	1,000.0	1,361.3	20.0	20.0	5.0	19.2	J-2	19.2	J-2	True
J-95	True	Passed	1,000.0	1,816.5	1,012.0	1,828.5	20.0	20.0	5.0	17.4	J-2	17.4	J-2	True
J-96	False	Failed	1,000.0	101.0	1,000.0	101.0	20.0	20.7	5.0	23.0	J-2	23.0	J-2	True
J-97	True	Passed	1,000.0	2,903.0	1,000.0	2,903.0	20.0	20.0	5.0	11.9	J-2	11.9	J-2	True
J-98	True	Passed	1,000.0	2,582.8	1,000.0	2,582.8	20.0	20.0	5.0	13.4	J-2	13.4	J-2	True
J-99	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	31.5	5.0	8.0	J-2	8.0	J-2	True
J-100	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	30.3	5.0	7.9	J-2	7.9	J-2	True
J-101	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	29.8	5.0	7.8	J-2	7.8	J-2	True
J-102	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	32.3	5.0	7.6	J-2	7.6	J-2	True
J-103	True	Passed	1,000.0	3,500.0	1,063.0	3,563.0	20.0	25.4	5.0	7.7	J-2	7.7	J-2	True
J-104	True	Passed	1,000.0	2,730.2	1,000.0	2,730.2	20.0	20.0	5.0	12.5	J-2	12.5	J-2	True
J-105	True	Passed	1,000.0	3,500.0	1,016.5	3,516.5	20.0	24.8	5.0	7.9	J-2	7.9	J-2	True
J-106	True	Passed	1,000.0	2,903.7	1,036.0	2,939.7	20.0	24.2	5.0	5.0	J-459	5.0	J-459	True
J-107	True	Passed	1,000.0	2,903.2	1,000.0	2,903.2	20.0	31.3	5.0	5.0	J-459	5.0	J-459	True
J-109	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	22.3	5.0	7.2	J-2	7.2	J-2	True
J-110	True	Passed	1,000.0	3,466.2	1,025.5	3,491.7	20.0	20.0	5.0	7.6	J-2	7.6	J-2	True
J-111	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	22.2	5.0	7.5	J-2	7.5	J-2	True
J-112	True	Passed	1,000.0	3,500.0	1,021.0	3,521.0	20.0	20.9	5.0	7.7	J-2	7.7	J-2	True
J-113	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	34.1	5.0	7.4	J-2	7.4	J-2	True

Fire Flow Node FlexTable: Fire Flow Results Table

Label	Satisfies Fire Flow Constraints?	Fire Flow Status	Fire Flow (Needed) (gpm)	Fire Flow (Available) (gpm)	Flow (Total Needed) (gpm)	Flow (Total Available) (gpm)	Pressure (Residual Lower Limit) (psi)	Pressure (Calculated Residual) (psi)	Pressure (Zone Lower Limit) (psi)	Pressure (Calculated Zone Lower Limit) (psi)	Junction w/ Minimum Pressure (Zone)	Pressure (Calculated System Lower Limit) (psi)	Junction w/ Minimum Pressure (System)	Is Fire Flow Run Balanced?
J-114	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	25.5	5.0	7.5	J-2	7.5	J-2	True
J-115	True	Passed	1,000.0	3,484.2	1,000.0	3,484.2	20.0	20.0	5.0	7.5	J-2	7.5	J-2	True
J-116	True	Passed	1,000.0	2,857.5	1,000.0	2,857.5	20.0	20.0	5.0	11.5	J-2	11.5	J-2	True
J-117	True	Passed	1,000.0	3,065.7	1,000.0	3,065.7	20.0	20.0	5.0	10.2	J-2	10.2	J-2	True
J-118	True	Passed	1,000.0	2,636.5	1,000.0	2,636.5	20.0	20.0	5.0	12.8	J-2	12.8	J-2	True
J-119	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	31.0	5.0	7.3	J-2	7.3	J-2	True
J-120	True	Passed	1,000.0	2,527.1	1,039.0	2,566.1	20.0	20.0	5.0	13.4	J-2	13.4	J-2	True
J-121	False	Residual Pressure Failed	1,000.0	887.5	1,000.0	887.5	20.0	20.0	5.0	20.2	J-2	20.2	J-2	True
J-122	True	Passed	1,000.0	3,154.9	1,000.0	3,154.9	20.0	20.0	5.0	8.9	J-2	8.9	J-2	True
J-123	True	Passed	1,000.0	3,039.3	1,000.0	3,039.3	20.0	20.0	5.0	9.7	J-2	9.7	J-2	True
J-124	True	Passed	1,000.0	3,414.6	1,031.5	3,446.1	20.0	20.0	5.0	7.6	J-2	7.6	J-2	True
J-125	True	Passed	1,000.0	3,455.4	1,000.0	3,455.4	20.0	20.0	5.0	7.4	J-2	7.4	J-2	True
J-126	True	Passed	1,000.0	2,705.4	1,000.0	2,705.4	20.0	20.0	5.0	12.2	J-2	12.2	J-2	True
J-127	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	26.6	5.0	7.3	J-2	7.3	J-2	True
J-129	True	Passed	1,000.0	3,500.0	1,010.5	3,510.5	20.0	21.7	5.0	6.9	J-2	6.9	J-2	True
J-130	True	Passed	1,000.0	2,997.7	1,000.0	2,997.7	20.0	20.0	5.0	10.0	J-2	10.0	J-2	True
J-131	True	Passed	1,000.0	2,152.3	1,000.0	2,152.3	20.0	20.0	5.0	15.0	J-2	15.0	J-2	True
J-132	False	Residual Pressure Failed	1,000.0	91.7	1,000.0	91.7	20.0	20.3	5.0	23.0	J-2	23.0	J-2	True
J-133	True	Passed	1,000.0	1,095.3	1,024.0	1,119.3	20.0	20.0	5.0	19.5	J-134	19.5	J-134	True
J-134	False	Residual Pressure Failed	1,000.0	997.9	1,000.0	997.9	20.0	20.0	5.0	31.4	J-133	23.3	J-2	True
J-135	True	Passed	1,000.0	1,219.2	1,000.0	1,219.2	20.0	20.0	5.0	20.4	J-369	20.4	J-369	True
J-136	True	Passed	1,000.0	1,345.8	1,000.0	1,345.8	20.0	20.0	5.0	22.7	J-280	22.7	J-280	True
J-137	True	Passed	1,000.0	1,651.0	1,000.0	1,651.0	20.0	20.0	5.0	23.6	J-141	23.3	J-2	True
J-138	True	Passed	1,000.0	1,778.3	1,000.0	1,778.3	20.0	20.0	5.0	15.4	J-141	15.4	J-141	True
J-139	True	Passed	1,000.0	1,643.3	1,000.0	1,643.3	20.0	20.0	5.0	15.1	J-141	15.1	J-141	True
J-141	True	Passed	1,000.0	1,227.4	1,012.0	1,239.4	20.0	20.0	5.0	38.4	J-139	23.3	J-2	True
J-142	False	Residual Pressure Failed	1,000.0	457.2	1,000.0	457.2	20.0	20.0	5.0	54.7	J-149	23.3	J-2	True
J-143	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	40.4	5.0	23.7	J-149	23.3	J-2	True
J-144	False	Residual Pressure Failed	1,000.0	338.6	1,000.0	338.6	20.0	20.0	5.0	55.4	J-149	23.3	J-2	True
J-145	True	Passed	1,000.0	1,183.3	1,000.0	1,183.3	20.0	20.0	5.0	20.8	J-146	20.8	J-146	True
J-146	True	Passed	1,000.0	1,088.9	1,000.0	1,088.9	20.0	20.0	5.0	29.2	J-145	23.3	J-2	True
J-147	True	Passed	1,000.0	2,059.8	1,000.0	2,059.8	20.0	20.0	5.0	13.9	J-141	13.9	J-141	True
J-148	True	Passed	1,000.0	2,953.9	1,000.0	2,953.9	20.0	20.0	5.0	13.5	J-141	13.5	J-141	True
J-149	True	Passed	1,000.0	2,758.6	1,000.0	2,758.6	20.0	20.0	5.0	28.1	J-141	23.3	J-2	True
J-150	False	Fire Node Residual Pressure Failed	1,000.0	0.0	1,000.0	0.0	20.0	18.1	5.0	57.2	J-149	23.3	J-2	True
J-151	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	21.3	5.0	6.2	J-2	6.2	J-2	True
J-152	True	Passed	1,000.0	1,546.0	1,000.0	1,546.0	20.0	20.0	5.0	17.8	J-2	17.8	J-2	True
J-153	False	Residual Pressure Failed	1,000.0	994.9	1,000.0	994.9	20.0	20.0	5.0	15.5	J-132	15.5	J-132	True
J-154	True	Passed	1,000.0	1,311.4	1,009.0	1,320.4	20.0	20.0	5.0	13.6	J-132	13.6	J-132	True
J-155	True	Passed	1,000.0	1,569.4	1,000.0	1,569.4	20.0	20.0	5.0	17.7	J-2	17.7	J-2	True
J-156	True	Passed	1,000.0	3,408.1	1,000.0	3,408.1	20.0	20.0	5.0	7.1	J-2	7.1	J-2	True
J-158	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	20.3	5.0	5.8	J-2	5.8	J-2	True
J-159	True	Passed	1,000.0	3,113.5	1,000.0	3,113.5	20.0	20.0	5.0	9.7	J-2	9.7	J-2	True
J-160	True	Passed	1,000.0	3,500.0	1,037.5	3,537.5	20.0	23.9	5.0	7.2	J-2	7.2	J-2	True
J-162	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	25.1	5.0	7.2	J-2	7.2	J-2	True
J-163	False	Failed	1,000.0	20.0	1,000.0	20.0	20.0	21.6	5.0	23.2	J-2	23.2	J-2	True
J-165	True	Passed	1,000.0	3,500.0	1,019.5	3,519.5	20.0	22.6	5.0	7.3	J-2	7.3	J-2	True

Fire Flow Node FlexTable: Fire Flow Results Table

Label	Satisfies Fire Flow Constraints?	Fire Flow Status	Fire Flow (Needed) (gpm)	Fire Flow (Available) (gpm)	Flow (Total Needed) (gpm)	Flow (Total Available) (gpm)	Pressure (Residual Lower Limit) (psi)	Pressure (Calculated Residual) (psi)	Pressure (Zone Lower Limit) (psi)	Pressure (Calculated Zone Lower Limit) (psi)	Junction w/ Minimum Pressure (Zone)	Pressure (Calculated System Lower Limit) (psi)	Junction w/ Minimum Pressure (System)	Is Fire Flow Run Balanced?
J-166	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	30.1	5.0	7.3	J-2	7.3	J-2	True
J-167	True	Passed	1,000.0	2,443.3	1,000.0	2,443.3	20.0	20.0	5.0	13.4	J-2	13.4	J-2	True
J-168	True	Passed	1,000.0	2,523.2	1,000.0	2,523.2	20.0	20.0	5.0	12.9	J-2	12.9	J-2	True
J-169	True	Passed	1,000.0	1,857.3	1,000.0	1,857.3	20.0	20.0	5.0	16.5	J-2	16.5	J-2	True
J-170	True	Passed	1,000.0	2,514.4	1,000.0	2,514.4	20.0	20.0	5.0	13.4	J-2	13.4	J-2	True
J-171	True	Passed	1,000.0	3,500.0	1,028.5	3,528.5	20.0	23.7	5.0	7.3	J-2	7.3	J-2	True
J-172	False	Residual Pressure Failed	1,000.0	564.2	1,000.0	564.2	20.0	20.0	5.0	21.4	J-2	21.4	J-2	True
J-173	False	Residual Pressure Failed	1,000.0	451.7	1,000.0	451.7	20.0	20.0	5.0	21.8	J-2	21.8	J-2	True
J-174	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	28.1	5.0	7.4	J-2	7.4	J-2	True
J-175	False	Residual Pressure Failed	1,000.0	101.8	1,000.0	101.8	20.0	20.0	5.0	22.9	J-2	22.9	J-2	True
J-176	False	Residual Pressure Failed	1,000.0	105.5	1,015.0	120.5	20.0	20.4	5.0	39.6	J-1402	23.2	J-2	True
J-177	False	Residual Pressure Failed	1,000.0	291.5	1,000.0	291.5	20.0	20.1	5.0	20.3	J-176	20.3	J-176	True
J-178	True	Passed	1,000.0	1,580.5	1,000.0	1,580.5	20.0	20.0	5.0	14.8	J-1332	14.8	J-1332	True
J-179	False	Residual Pressure Failed	1,000.0	907.9	1,000.0	907.9	20.0	20.0	5.0	23.9	J-177	22.8	J-2	True
J-180	True	Passed	1,000.0	1,834.6	1,000.0	1,834.6	20.0	20.0	5.0	19.7	J-469	19.7	J-469	True
J-181	False	Residual Pressure Failed	1,000.0	96.7	1,007.5	104.2	20.0	20.4	5.0	39.7	J-1402	23.2	J-2	True
J-182	True	Passed	1,000.0	1,405.5	1,024.0	1,429.5	20.0	20.0	5.0	38.8	J-1402	21.4	J-2	True
J-183	True	Passed	1,000.0	1,713.1	1,000.0	1,713.1	20.0	20.0	5.0	15.4	J-184	15.4	J-184	True
J-184	False	Residual Pressure Failed	1,000.0	120.2	1,000.0	120.2	20.0	20.0	5.0	39.7	J-1402	23.1	J-2	True
J-185	True	Passed	1,000.0	2,543.3	1,000.0	2,543.3	20.0	20.0	5.0	22.0	J-182	18.8	J-2	True
J-186	True	Passed	1,000.0	3,353.1	1,010.5	3,363.6	20.0	20.0	5.0	16.4	J-1344	15.7	J-2	True
J-187	False	Residual Pressure Failed	3,000.0	2,393.4	3,000.0	2,393.4	20.0	20.0	20.0	21.4	J-190	21.4	J-190	True
J-188	True	Passed	3,000.0	3,306.2	3,000.0	3,306.2	20.0	35.3	20.0	20.0	J-459	20.0	J-459	True
J-189	True	Passed	1,000.0	2,111.0	1,000.0	2,111.0	20.0	20.0	5.0	18.6	J-190	18.6	J-190	True
J-190	True	Passed	1,000.0	1,820.8	1,000.0	1,820.8	20.0	20.0	5.0	25.6	J-459	23.3	J-2	True
J-191	True	Passed	1,000.0	1,529.3	1,000.0	1,529.3	20.0	20.0	5.0	27.6	J-459	23.3	J-2	True
J-192	True	Passed	1,000.0	2,073.6	1,000.0	2,073.6	20.0	20.0	5.0	18.9	J-311	18.9	J-311	True
J-193	True	Passed	1,000.0	2,090.0	1,000.0	2,090.0	20.0	20.0	5.0	19.4	J-315	19.4	J-315	True
J-194	True	Passed	1,000.0	3,090.3	1,000.0	3,090.3	20.0	20.0	5.0	8.2	J-459	8.2	J-459	True
J-196	True	Passed	1,000.0	2,843.2	1,000.0	2,843.2	20.0	20.0	5.0	11.5	J-459	11.5	J-459	True
J-197	True	Passed	1,000.0	2,145.8	1,000.0	2,145.8	20.0	20.0	5.0	18.5	J-1683	18.5	J-1683	True
J-198	True	Passed	1,000.0	2,150.4	1,000.0	2,150.4	20.0	20.0	5.0	17.0	J-313	17.0	J-313	True
J-199	True	Passed	1,000.0	2,143.4	1,000.0	2,143.4	20.0	20.0	5.0	17.7	J-313	17.7	J-313	True
J-200	True	Passed	1,000.0	1,899.7	1,003.0	1,902.7	20.0	20.0	5.0	18.8	J-317	18.8	J-317	True
J-201	False	Residual Pressure Failed	1,000.0	112.9	1,000.0	112.9	20.0	20.0	5.0	37.6	J-459	23.3	J-2	True
J-202	True	Passed	1,000.0	1,757.8	1,000.0	1,757.8	20.0	20.0	5.0	23.8	J-317	23.3	J-2	True
J-203	True	Passed	1,000.0	2,360.1	1,000.0	2,360.1	20.0	20.0	5.0	16.5	J-459	16.5	J-459	True
J-204	True	Passed	1,000.0	2,732.1	1,000.0	2,732.1	20.0	20.0	5.0	13.2	J-459	13.2	J-459	True
J-205	False	Residual Pressure Failed	1,000.0	622.1	1,000.0	622.1	20.0	20.0	5.0	33.3	J-459	23.3	J-2	True
J-206	True	Passed	1,000.0	3,232.8	1,000.0	3,232.8	20.0	21.2	5.0	5.0	J-459	5.0	J-459	True
J-207	True	Passed	1,000.0	3,092.4	1,000.0	3,092.4	20.0	26.5	5.0	5.0	J-459	5.0	J-459	True
J-208	True	Passed	1,000.0	2,164.1	1,000.0	2,164.1	20.0	20.0	5.0	11.4	J-459	11.4	J-459	True
J-209	True	Passed	1,000.0	1,205.4	1,012.0	1,217.4	20.0	20.0	5.0	17.7	J-211	17.7	J-211	True
J-210	True	Passed	1,000.0	1,018.1	1,000.0	1,018.1	20.0	20.0	5.0	28.3	J-459	23.3	J-2	True
J-211	False	Residual Pressure Failed	1,000.0	846.4	1,000.0	846.4	20.0	20.0	5.0	30.1	J-459	23.3	J-2	True
J-212	True	Passed	1,000.0	2,401.2	1,000.0	2,401.2	20.0	20.0	5.0	16.4	J-459	16.4	J-459	True
J-213	True	Passed	1,000.0	2,729.0	1,018.0	2,747.0	20.0	20.0	5.0	12.9	J-459	12.9	J-459	True

Fire Flow Node FlexTable: Fire Flow Results Table

Label	Satisfies Fire Flow Constraints?	Fire Flow Status	Fire Flow (Needed) (gpm)	Fire Flow (Available) (gpm)	Flow (Total Needed) (gpm)	Flow (Total Available) (gpm)	Pressure (Residual Lower Limit) (psi)	Pressure (Calculated Residual) (psi)	Pressure (Zone Lower Limit) (psi)	Pressure (Calculated Zone Lower Limit) (psi)	Junction w/ Minimum Pressure (Zone)	Pressure (Calculated System Lower Limit) (psi)	Junction w/ Minimum Pressure (System)	Is Fire Flow Run Balanced?
J-214	True	Passed	1,000.0	1,905.5	1,019.5	1,925.0	20.0	20.0	5.0	20.4	J-218	20.4	J-218	True
J-215	True	Passed	1,000.0	1,897.1	1,000.0	1,897.1	20.0	20.0	5.0	20.2	J-219	20.2	J-219	True
J-216	True	Passed	1,000.0	1,958.9	1,000.0	1,958.9	20.0	20.0	5.0	22.3	J-459	22.3	J-459	True
J-217	False	Residual Pressure Failed	1,000.0	824.3	1,004.5	828.8	20.0	20.0	5.0	31.5	J-459	23.3	J-2	True
J-218	False	Residual Pressure Failed	1,000.0	656.5	1,010.5	667.0	20.0	20.0	5.0	33.2	J-459	23.3	J-2	True
J-219	False	Residual Pressure Failed	1,000.0	662.2	1,009.0	671.2	20.0	20.0	5.0	33.3	J-459	23.3	J-2	True
J-221	True	Passed	1,000.0	2,528.5	1,021.0	2,549.5	20.0	20.0	5.0	16.1	J-459	16.1	J-459	True
J-222	True	Passed	1,000.0	2,484.9	1,000.0	2,484.9	20.0	20.0	5.0	16.9	J-459	16.9	J-459	True
J-223	True	Passed	1,000.0	3,189.2	1,000.0	3,189.2	20.0	20.0	5.0	14.1	J-459	14.1	J-459	True
J-224	True	Passed	1,000.0	3,382.1	1,000.0	3,382.1	20.0	20.0	5.0	14.0	J-459	14.0	J-459	True
J-225	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	25.0	5.0	14.8	J-459	14.8	J-459	True
J-226	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	31.7	5.0	16.1	J-459	16.1	J-459	True
J-227	True	Passed	3,000.0	3,483.1	3,040.5	3,523.6	20.0	48.7	20.0	20.0	J-459	20.0	J-459	True
J-228	False	Residual Pressure Failed	1,000.0	673.0	1,009.0	682.0	20.0	20.0	5.0	33.0	J-459	23.3	J-2	True
J-229	False	Residual Pressure Failed	1,000.0	676.8	1,009.0	685.8	20.0	20.0	5.0	33.1	J-459	23.3	J-2	True
J-230	True	Passed	1,000.0	1,550.9	1,016.5	1,567.4	20.0	20.0	5.0	27.2	J-459	23.3	J-2	True
J-231	True	Passed	1,000.0	1,536.6	1,018.0	1,554.6	20.0	20.0	5.0	28.1	J-459	23.3	J-2	True
J-232	True	Passed	1,000.0	1,539.6	1,016.5	1,556.1	20.0	20.0	5.0	29.3	J-459	23.3	J-2	True
J-233	False	Residual Pressure Failed	1,000.0	176.7	1,000.0	176.7	20.0	20.0	5.0	37.6	J-459	23.3	J-2	True
J-234	True	Passed	3,000.0	3,397.4	3,012.0	3,409.4	20.0	42.5	20.0	20.0	J-459	20.0	J-459	True
J-235	True	Passed	3,000.0	3,500.0	3,006.0	3,506.0	20.0	77.2	20.0	30.4	J-459	23.3	J-2	True
J-236	True	Passed	3,000.0	3,500.0	3,000.0	3,500.0	20.0	71.5	20.0	28.5	J-459	23.3	J-2	True
J-237	True	Passed	3,000.0	3,500.0	3,000.0	3,500.0	20.0	78.4	20.0	29.9	J-459	23.3	J-2	True
J-238	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	48.6	5.0	37.5	J-1402	23.2	J-2	True
J-239	True	Passed	1,000.0	3,500.0	1,009.0	3,509.0	20.0	33.2	5.0	33.9	J-240	23.2	J-2	True
J-240	True	Passed	1,000.0	2,308.8	1,000.0	2,308.8	20.0	20.0	5.0	37.3	J-1402	23.2	J-2	True
J-241	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	36.0	5.0	30.9	J-1402	23.1	J-2	True
J-242	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	33.1	5.0	29.7	J-1402	23.1	J-2	True
J-243	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	31.5	5.0	27.6	J-1402	23.1	J-2	True
J-250	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	68.0	5.0	39.5	J-1402	23.3	J-2	True
J-251	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	54.9	5.0	37.3	J-1402	23.2	J-2	True
J-252	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	45.7	5.0	36.4	J-1402	23.2	J-2	True
J-253	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	49.9	5.0	36.6	J-1402	23.2	J-2	True
J-254	True	Passed	1,000.0	3,500.0	1,015.0	3,515.0	20.0	46.5	5.0	36.4	J-1402	23.2	J-2	True
J-255	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	33.5	5.0	33.8	J-339	23.2	J-2	True
J-256	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	49.0	5.0	35.9	J-1402	23.2	J-2	True
J-257	True	Passed	1,000.0	2,196.9	1,079.6	2,276.5	20.0	20.0	5.0	36.1	J-339	23.3	J-2	True
J-258	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	64.8	5.0	38.8	J-1402	23.0	J-2	True
J-259	True	Passed	1,000.0	2,330.5	1,000.0	2,330.5	20.0	20.0	5.0	39.2	J-1402	23.1	J-2	True
J-260	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	67.1	5.0	39.1	J-1402	23.1	J-2	True
J-261	False	Residual Pressure Failed	1,000.0	731.6	1,000.0	731.6	20.0	20.0	5.0	20.2	J-350	20.2	J-350	True
J-262	False	Residual Pressure Failed	1,000.0	691.0	1,000.0	691.0	20.0	20.0	5.0	19.3	J-263	19.3	J-263	True
J-263	False	Residual Pressure Failed	1,000.0	637.4	1,003.0	640.4	20.0	20.1	5.0	27.3	J-262	23.3	J-2	True
J-264	False	Residual Pressure Failed	1,000.0	705.0	1,000.0	705.0	20.0	20.0	5.0	20.7	J-349	20.7	J-349	True
J-265	False	Residual Pressure Failed	1,000.0	689.9	1,000.0	689.9	20.0	20.0	5.0	21.5	J-263	21.5	J-263	True
J-266	False	Residual Pressure Failed	1,000.0	66.3	1,000.0	66.3	20.0	20.4	5.0	23.1	J-2	23.1	J-2	True
J-267	False	Failed	1,000.0	45.8	1,004.5	50.3	20.0	21.4	5.0	38.0	J-459	23.3	J-2	True

Fire Flow Node FlexTable: Fire Flow Results Table

Label	Satisfies Fire Flow Constraints?	Fire Flow Status	Fire Flow (Needed) (gpm)	Fire Flow (Available) (gpm)	Flow (Total Needed) (gpm)	Flow (Total Available) (gpm)	Pressure (Residual Lower Limit) (psi)	Pressure (Calculated Residual) (psi)	Pressure (Zone Lower Limit) (psi)	Pressure (Calculated Zone Lower Limit) (psi)	Junction w/ Minimum Pressure (Zone)	Pressure (Calculated System Lower Limit) (psi)	Junction w/ Minimum Pressure (System)	Is Fire Flow Run Balanced?
J-268	False	Residual Pressure Failed	1,000.0	442.5	1,000.0	442.5	20.0	20.0	5.0	21.7	J-2	21.7	J-2	True
J-269	True	Passed	1,000.0	1,242.6	1,000.0	1,242.6	20.0	20.0	5.0	22.6	J-281	22.6	J-281	True
J-270	True	Passed	1,000.0	1,782.8	1,000.0	1,782.8	20.0	20.0	5.0	21.9	J-141	21.9	J-141	True
J-271	True	Passed	1,000.0	1,639.3	1,039.0	1,678.3	20.0	20.0	5.0	26.1	J-141	23.3	J-2	True
J-272	True	Passed	1,000.0	1,713.2	1,031.5	1,744.7	20.0	20.0	5.0	22.8	J-141	22.8	J-141	True
J-273	True	Passed	1,000.0	1,811.5	1,000.0	1,811.5	20.0	20.0	5.0	20.9	J-141	20.9	J-141	True
J-274	False	Residual Pressure Failed	1,000.0	29.3	1,021.0	50.3	20.0	20.0	5.0	57.0	J-149	23.3	J-2	True
J-276	False	Residual Pressure Failed	1,000.0	820.1	1,000.0	820.1	20.0	20.0	5.0	49.5	J-149	23.3	J-2	True
J-277	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	24.8	5.0	16.0	J-149	16.0	J-149	True
J-278	True	Passed	1,000.0	3,191.5	1,022.5	3,214.0	20.0	20.0	5.0	11.3	J-149	11.3	J-149	True
J-279	True	Passed	1,000.0	2,291.6	1,000.0	2,291.6	20.0	20.0	5.0	15.9	J-141	15.9	J-141	True
J-280	True	Passed	1,000.0	1,215.0	1,036.0	1,251.0	20.0	20.0	5.0	23.5	J-145	23.3	J-2	True
J-281	True	Passed	1,000.0	1,206.9	1,012.0	1,218.9	20.0	20.0	5.0	26.1	J-269	23.3	J-2	True
J-282	True	Passed	1,000.0	3,500.0	1,010.5	3,510.5	20.0	68.3	5.0	39.1	J-149	23.3	J-2	True
J-283	True	Passed	1,000.0	1,744.9	1,000.0	1,744.9	20.0	20.0	5.0	16.8	J-2	16.8	J-2	True
J-284	True	Passed	1,000.0	2,082.0	1,037.5	2,119.5	20.0	20.0	5.0	15.2	J-2	15.2	J-2	True
J-285	True	Passed	1,000.0	1,292.6	1,000.0	1,292.6	20.0	20.0	5.0	15.6	J-121	15.6	J-121	True
J-286	True	Passed	1,000.0	2,018.3	1,034.5	2,052.8	20.0	20.0	5.0	15.5	J-152	15.5	J-152	True
J-287	True	Passed	1,000.0	3,299.9	1,000.0	3,299.9	20.0	20.0	5.0	8.2	J-2	8.2	J-2	True
J-288	True	Passed	1,000.0	2,563.7	1,000.0	2,563.7	20.0	20.0	5.0	12.8	J-2	12.8	J-2	True
J-289	True	Passed	1,000.0	2,768.9	1,019.5	2,788.4	20.0	20.0	5.0	10.9	J-2	10.9	J-2	True
J-290	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	23.0	5.0	5.7	J-2	5.7	J-2	True
J-291	False	Zone Pressure Failed	1,000.0	979.3	1,000.0	979.3	20.0	25.2	5.0	5.0	J-2	5.0	J-2	True
J-293	True	Passed	1,000.0	2,860.9	1,000.0	2,860.9	20.0	20.0	5.0	10.9	J-432	10.9	J-432	True
J-294	True	Passed	1,000.0	1,589.3	1,024.0	1,613.3	20.0	20.0	5.0	17.9	J-2	17.9	J-2	True
J-295	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	22.8	5.0	8.0	J-2	8.0	J-2	True
J-297	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	40.1	5.0	7.8	J-2	7.8	J-2	True
J-298	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	34.1	5.0	7.2	J-2	7.2	J-2	True
J-299	True	Passed	1,000.0	2,572.3	1,000.0	2,572.3	20.0	20.0	5.0	11.9	J-2	11.9	J-2	True
J-300	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	37.7	5.0	13.2	J-2	13.2	J-2	True
J-301	True	Passed	1,000.0	1,948.6	1,022.5	1,971.1	20.0	20.0	5.0	21.8	J-184	20.7	J-2	True
J-302	True	Passed	1,000.0	1,760.8	1,000.0	1,760.8	20.0	20.0	5.0	25.7	J-184	21.7	J-2	True
J-303	True	Passed	1,000.0	2,012.6	1,016.5	2,029.1	20.0	20.0	5.0	31.7	J-302	21.8	J-2	True
J-304	True	Passed	1,000.0	1,145.0	1,000.0	1,145.0	20.0	20.0	5.0	19.0	J-469	19.0	J-469	True
J-305	True	Passed	1,000.0	2,721.1	1,000.0	2,721.1	20.0	20.0	5.0	18.1	J-1344	18.1	J-1344	True
J-306	True	Passed	1,000.0	2,443.0	1,000.0	2,443.0	20.0	20.0	5.0	19.3	J-1344	19.3	J-1344	True
J-307	True	Passed	1,000.0	2,400.6	1,021.0	2,421.6	20.0	20.0	5.0	25.0	J-1344	20.1	J-2	True
J-308	True	Passed	1,000.0	2,466.3	1,000.0	2,466.3	20.0	20.0	5.0	24.1	J-307	20.4	J-2	True
J-309	True	Passed	1,000.0	2,601.7	1,000.0	2,601.7	20.0	20.0	5.0	23.1	J-308	20.6	J-2	True
J-310	True	Passed	1,000.0	1,604.0	1,000.0	1,604.0	20.0	20.0	5.0	26.7	J-191	23.3	J-2	True
J-311	True	Passed	1,000.0	1,682.4	1,000.0	1,682.4	20.0	20.0	5.0	24.2	J-191	23.3	J-2	True
J-312	True	Passed	1,000.0	1,977.7	1,000.0	1,977.7	20.0	20.0	5.0	19.9	J-313	19.9	J-313	True
J-313	True	Passed	1,000.0	1,869.4	1,036.0	1,905.4	20.0	20.0	5.0	23.5	J-314	23.3	J-2	True
J-314	True	Passed	1,000.0	1,859.5	1,000.0	1,859.5	20.0	20.0	5.0	21.8	J-190	21.8	J-190	True
J-315	True	Passed	1,000.0	1,935.7	1,000.0	1,935.7	20.0	20.0	5.0	20.1	J-317	20.1	J-317	True
J-317	True	Passed	1,000.0	1,827.8	1,000.0	1,827.8	20.0	20.0	5.0	20.5	J-202	20.5	J-202	True
J-318	True	Passed	1,000.0	2,116.6	1,000.0	2,116.6	20.0	20.0	5.0	11.7	J-1683	11.7	J-1683	True

Fire Flow Node FlexTable: Fire Flow Results Table

Label	Satisfies Fire Flow Constraints?	Fire Flow Status	Fire Flow (Needed) (gpm)	Fire Flow (Available) (gpm)	Flow (Total Needed) (gpm)	Flow (Total Available) (gpm)	Pressure (Residual Lower Limit) (psi)	Pressure (Calculated Residual) (psi)	Pressure (Zone Lower Limit) (psi)	Pressure (Calculated Zone Lower Limit) (psi)	Junction w/ Minimum Pressure (Zone)	Pressure (Calculated System Lower Limit) (psi)	Junction w/ Minimum Pressure (System)	Is Fire Flow Run Balanced?
J-319	True	Passed	1,000.0	2,144.3	1,015.0	2,159.3	20.0	20.0	5.0	18.4	J-459	18.4	J-459	True
J-322	False	Residual Pressure Failed	1,000.0	909.5	1,013.5	923.0	20.0	20.0	5.0	20.0	J-205	20.0	J-205	True
J-323	True	Passed	1,000.0	2,490.9	1,021.0	2,511.9	20.0	20.0	5.0	17.2	J-459	17.2	J-459	True
J-324	True	Passed	1,000.0	2,652.0	1,019.5	2,671.5	20.0	20.0	5.0	16.3	J-459	16.3	J-459	True
J-325	True	Passed	1,000.0	3,059.2	1,010.5	3,069.7	20.0	20.0	5.0	13.9	J-459	13.9	J-459	True
J-326	True	Passed	3,000.0	3,500.0	3,006.0	3,506.0	20.0	56.1	20.0	23.6	J-459	23.3	J-2	True
J-327	True	Passed	3,000.0	3,500.0	3,021.0	3,521.0	20.0	66.2	20.0	26.9	J-459	23.3	J-2	True
J-328	True	Passed	3,000.0	3,500.0	3,000.0	3,500.0	20.0	74.3	20.0	29.1	J-459	23.3	J-2	True
J-329	True	Passed	3,000.0	3,500.0	3,000.0	3,500.0	20.0	76.1	20.0	29.3	J-459	23.3	J-2	True
J-330	True	Passed	3,000.0	3,500.0	3,000.0	3,500.0	20.0	78.3	20.0	29.6	J-459	23.3	J-2	True
J-331	True	Passed	3,000.0	3,500.0	3,000.0	3,500.0	20.0	80.4	20.0	29.7	J-459	23.3	J-2	True
J-332	True	Passed	3,000.0	3,500.0	3,000.0	3,500.0	20.0	79.5	20.0	29.8	J-459	23.3	J-2	True
J-333	True	Passed	3,000.0	3,500.0	3,001.5	3,501.5	20.0	76.5	20.0	30.1	J-459	23.3	J-2	True
J-334	True	Passed	3,000.0	3,500.0	3,000.0	3,500.0	20.0	77.2	20.0	30.0	J-459	23.3	J-2	True
J-335	True	Passed	3,000.0	3,500.0	3,000.0	3,500.0	20.0	76.6	20.0	30.2	J-459	23.3	J-2	True
J-336	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	23.2	5.0	31.7	J-338	23.2	J-2	True
J-337	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	26.7	5.0	31.7	J-336	23.2	J-2	True
J-338	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	24.8	5.0	32.6	J-1402	23.2	J-2	True
J-339	True	Passed	1,000.0	2,842.6	1,000.0	2,842.6	20.0	20.0	5.0	20.5	J-257	20.5	J-257	True
J-340	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	41.3	5.0	37.1	J-1402	23.2	J-2	True
J-341	True	Passed	1,000.0	3,500.0	1,033.0	3,533.0	20.0	32.8	5.0	36.8	J-1402	23.2	J-2	True
J-342	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	22.3	5.0	28.9	J-344	23.2	J-2	True
J-343	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	30.1	5.0	32.4	J-1402	23.2	J-2	True
J-344	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	21.7	5.0	29.4	J-1402	23.1	J-2	True
J-345	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	28.8	5.0	28.2	J-1402	23.1	J-2	True
J-346	True	Passed	1,000.0	3,500.0	1,007.5	3,507.5	20.0	29.2	5.0	28.0	J-1402	23.1	J-2	True
J-347	True	Passed	1,000.0	3,500.0	1,004.5	3,504.5	20.0	30.3	5.0	28.2	J-1402	23.1	J-2	True
J-349	False	Residual Pressure Failed	1,000.0	693.5	1,000.0	693.5	20.0	20.0	5.0	20.9	J-263	20.9	J-263	True
J-350	False	Residual Pressure Failed	1,000.0	714.9	1,000.0	714.9	20.0	20.0	5.0	21.1	J-265	21.1	J-265	True
J-351	True	Passed	1,000.0	1,247.4	1,000.0	1,247.4	20.0	20.0	5.0	20.3	J-355	20.3	J-355	True
J-352	False	Residual Pressure Failed	1,000.0	883.0	1,000.0	883.0	20.0	20.0	5.0	20.7	J-356	20.7	J-356	True
J-353	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	65.9	5.0	39.1	J-1402	23.1	J-2	True
J-354	True	Passed	1,000.0	1,881.1	1,000.0	1,881.1	20.0	20.0	5.0	20.6	J-351	20.6	J-351	True
J-355	True	Passed	1,000.0	1,029.3	1,000.0	1,029.3	20.0	20.0	5.0	20.1	J-352	20.1	J-352	True
J-356	False	Residual Pressure Failed	1,000.0	800.9	1,000.0	800.9	20.0	20.0	5.0	20.5	J-261	20.5	J-261	True
J-357	True	Passed	1,000.0	3,163.6	1,018.0	3,181.6	20.0	20.0	5.0	9.5	J-2	9.5	J-2	True
J-358	True	Passed	1,000.0	3,190.0	1,000.0	3,190.0	20.0	20.0	5.0	9.4	J-2	9.4	J-2	True
J-359	True	Passed	1,000.0	2,355.0	1,000.0	2,355.0	20.0	20.0	5.0	14.7	J-2	14.7	J-2	True
J-360	True	Passed	1,000.0	2,431.9	1,000.0	2,431.9	20.0	20.0	5.0	20.0	J-360	11.5	J-459	True
J-361	True	Passed	1,000.0	2,456.8	1,006.0	2,462.8	20.0	20.0	5.0	8.4	J-459	8.4	J-459	True
J-362	True	Passed	1,000.0	2,272.6	1,000.0	2,272.6	20.0	20.0	5.0	10.4	J-459	10.4	J-459	True
J-363	True	Passed	1,000.0	2,756.0	1,000.0	2,756.0	20.0	20.5	5.0	5.0	J-459	5.0	J-459	True
J-364	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	30.2	5.0	7.9	J-2	7.9	J-2	True
J-365	False	Residual Pressure Failed	1,000.0	609.6	1,000.0	609.6	20.0	20.0	5.0	21.4	J-2	21.4	J-2	True
J-366	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	29.9	5.0	8.5	J-2	8.5	J-2	True
J-367	True	Passed	1,000.0	2,812.9	1,033.0	2,845.9	20.0	20.0	5.0	12.4	J-2	12.4	J-2	True
J-368	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	34.5	5.0	7.9	J-2	7.9	J-2	True

Fire Flow Node FlexTable: Fire Flow Results Table

Label	Satisfies Fire Flow Constraints?	Fire Flow Status	Fire Flow (Needed) (gpm)	Fire Flow (Available) (gpm)	Flow (Total Needed) (gpm)	Flow (Total Available) (gpm)	Pressure (Residual Lower Limit) (psi)	Pressure (Calculated Residual) (psi)	Pressure (Zone Lower Limit) (psi)	Pressure (Calculated Zone Lower Limit) (psi)	Junction w/ Minimum Pressure (Zone)	Pressure (Calculated System Lower Limit) (psi)	Junction w/ Minimum Pressure (System)	Is Fire Flow Run Balanced?
J-369	True	Passed	1,000.0	1,203.7	1,000.0	1,203.7	20.0	20.0	5.0	22.1	J-145	22.1	J-145	True
J-370	True	Passed	1,000.0	3,408.9	1,021.0	3,429.9	20.0	20.0	5.0	7.8	J-2	7.8	J-2	True
J-372	True	Passed	1,000.0	3,500.0	1,034.5	3,534.5	20.0	32.8	5.0	7.5	J-2	7.5	J-2	True
J-373	True	Passed	1,000.0	2,894.4	1,030.0	2,924.4	20.0	20.0	5.0	11.4	J-2	11.4	J-2	True
J-374	True	Passed	1,000.0	2,768.7	1,021.0	2,789.7	20.0	20.0	5.0	12.3	J-2	12.3	J-2	True
J-375	True	Passed	1,000.0	2,921.9	1,000.0	2,921.9	20.0	20.0	5.0	9.6	J-2	9.6	J-2	True
J-376	True	Passed	1,000.0	3,500.0	1,018.0	3,518.0	20.0	21.4	5.0	8.1	J-2	8.1	J-2	True
J-377	False	Residual Pressure Failed	1,000.0	209.0	1,000.0	209.0	20.0	20.0	5.0	39.6	J-1402	23.0	J-2	True
J-378	True	Passed	1,000.0	2,464.6	1,000.0	2,464.6	20.0	20.0	5.0	14.4	J-459	14.4	J-459	True
J-379	True	Passed	1,000.0	2,152.6	1,012.0	2,164.6	20.0	20.0	5.0	18.0	J-459	18.0	J-459	True
J-380	True	Passed	1,000.0	2,248.2	1,000.0	2,248.2	20.0	20.0	5.0	16.3	J-459	16.3	J-459	True
J-381	True	Passed	1,000.0	2,005.5	1,018.0	2,023.5	20.0	20.0	5.0	19.4	J-459	19.4	J-459	True
J-382	True	Passed	1,000.0	2,034.0	1,000.0	2,034.0	20.0	20.0	5.0	19.4	J-459	19.4	J-459	True
J-385	False	Residual Pressure Failed	1,000.0	327.6	1,000.0	327.6	20.0	20.0	5.0	18.3	J-2	18.3	J-2	True
J-387	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	88.4	5.0	23.3	J-2	23.3	J-2	True
J-391	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	69.6	5.0	39.6	J-1402	23.2	J-2	True
J-392	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	95.8	5.0	23.3	J-2	23.3	J-2	True
J-393	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	59.0	5.0	38.5	J-1402	23.1	J-2	True
J-421	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	24.9	5.0	16.4	J-2	16.4	J-2	True
J-426	True	Passed	1,000.0	3,353.1	1,000.0	3,353.1	20.0	20.0	5.0	7.5	J-2	7.5	J-2	True
J-431	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	21.8	5.0	7.0	J-2	7.0	J-2	True
J-432	True	Passed	1,000.0	1,119.8	1,000.0	1,119.8	20.0	20.0	5.0	19.6	J-2	19.6	J-2	True
J-435	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	36.5	5.0	7.3	J-2	7.3	J-2	True
J-436	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	34.7	5.0	7.3	J-2	7.3	J-2	True
J-437	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	36.4	5.0	7.3	J-2	7.3	J-2	True
J-438	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	38.9	5.0	7.4	J-2	7.4	J-2	True
J-439	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	40.7	5.0	7.4	J-2	7.4	J-2	True
J-441	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	34.0	5.0	7.9	J-2	7.9	J-2	True
J-443	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	36.5	5.0	7.5	J-2	7.5	J-2	True
J-444	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	33.6	5.0	7.5	J-2	7.5	J-2	True
J-445	True	Passed	1,000.0	2,874.2	1,000.0	2,874.2	20.0	20.0	5.0	10.2	J-2	10.2	J-2	True
J-448	False	Residual Pressure Failed	1,000.0	238.2	1,000.0	238.2	20.0	20.1	5.0	12.6	J-459	12.6	J-459	True
J-455	False	Zone Pressure Failed	1,000.0	631.5	1,000.0	631.5	20.0	23.1	5.0	5.0	J-459	5.0	J-459	True
J-456	False	Zone Pressure Failed	1,000.0	607.9	1,000.0	607.9	20.0	21.7	5.0	5.0	J-459	5.0	J-459	True
J-458	False	Residual Pressure Failed	1,000.0	161.5	1,000.0	161.5	20.0	20.1	5.0	16.7	J-459	16.7	J-459	True
J-459	False	Residual Pressure Failed	1,000.0	57.6	1,009.0	66.6	20.0	20.2	5.0	36.5	J-458	23.3	J-2	True
J-460	False	Residual Pressure Failed	1,000.0	95.5	1,000.0	95.5	20.0	20.3	5.0	20.0	J-461	20.0	J-461	True
J-461	False	Residual Pressure Failed	1,000.0	50.1	1,012.0	62.1	20.0	20.1	5.0	34.0	J-459	23.3	J-2	True
J-462	True	Passed	1,000.0	1,356.8	1,000.0	1,356.8	20.0	29.8	5.0	5.0	J-459	5.0	J-459	True
J-463	True	Passed	1,000.0	2,364.1	1,072.0	2,436.1	20.0	27.1	5.0	5.0	J-459	5.0	J-459	True
J-464	True	Passed	1,000.0	2,065.5	1,000.0	2,065.5	20.0	20.0	5.0	11.6	J-459	11.6	J-459	True
J-465	False	Residual Pressure Failed	1,000.0	330.8	1,015.0	345.8	20.0	20.0	5.0	10.5	J-459	10.5	J-459	True
J-466	False	Residual Pressure Failed	1,000.0	203.7	1,000.0	203.7	20.0	20.1	5.0	13.4	J-459	13.4	J-459	True
J-468	False	Residual Pressure Failed	1,000.0	116.8	1,000.0	116.8	20.0	20.1	5.0	20.5	J-461	20.5	J-461	True
J-469	True	Passed	1,000.0	1,024.0	1,060.0	1,084.0	20.0	20.0	5.0	27.5	J-179	22.7	J-2	True
J-478	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	77.9	5.0	57.1	J-1302	23.3	J-2	True
J-479	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	77.6	5.0	59.0	J-1302	23.3	J-2	True

Fire Flow Node FlexTable: Fire Flow Results Table

Label	Satisfies Fire Flow Constraints?	Fire Flow Status	Fire Flow (Needed) (gpm)	Fire Flow (Available) (gpm)	Flow (Total Needed) (gpm)	Flow (Total Available) (gpm)	Pressure (Residual Lower Limit) (psi)	Pressure (Calculated Residual) (psi)	Pressure (Zone Lower Limit) (psi)	Pressure (Calculated Zone Lower Limit) (psi)	Junction w/ Minimum Pressure (Zone)	Pressure (Calculated System Lower Limit) (psi)	Junction w/ Minimum Pressure (System)	Is Fire Flow Run Balanced?
J-480	True	Passed	1,000.0	2,252.0	1,000.0	2,252.0	20.0	20.0	5.0	25.8	J-1236	23.3	J-2	True
J-481	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	38.6	5.0	18.0	J-1236	18.0	J-1236	True
J-482	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	59.1	5.0	35.0	J-459	23.3	J-2	True
J-484	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	78.4	5.0	59.0	J-1302	23.3	J-2	True
J-485	True	Passed	1,000.0	2,899.4	1,000.0	2,899.4	20.0	32.0	5.0	5.0	J-459	5.0	J-459	True
J-486	False	Zone Pressure Failed	1,000.0	843.9	1,015.0	858.9	20.0	24.1	5.0	5.0	J-459	5.0	J-459	True
J-488	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	64.0	5.0	31.0	J-459	23.3	J-2	True
J-490	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	47.3	5.0	36.1	J-1402	23.1	J-2	True
J-492	True	Passed	1,000.0	3,500.0	2,015.5	4,515.5	20.0	57.9	5.0	33.4	J-459	23.3	J-2	True
J-493	True	Passed	3,000.0	3,500.0	3,000.0	3,500.0	20.0	76.9	20.0	30.6	J-459	23.3	J-2	True
J-495	True	Passed	1,000.0	2,621.0	1,000.0	2,621.0	20.0	20.0	5.0	5.5	J-1402	5.5	J-1402	True
J-496	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	30.5	5.0	18.8	J-1402	18.8	J-1402	True
J-497	True	Passed	1,000.0	3,500.0	2,315.5	4,815.5	20.0	25.6	5.0	21.3	J-1402	21.3	J-1402	True
J-498	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	25.7	5.0	20.1	J-1332	20.1	J-1332	True
J-499	True	Passed	1,000.0	2,107.7	1,000.0	2,107.7	20.0	20.0	5.0	7.2	J-1332	7.2	J-1332	True
J-500	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	45.9	5.0	35.6	J-1332	21.9	J-2	True
J-501	True	Passed	1,000.0	3,177.8	1,000.0	3,177.8	20.0	20.0	5.0	20.0	J-469	20.0	J-469	True
J-502	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	56.5	5.0	37.7	J-1402	22.7	J-2	True
J-506	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	64.5	5.0	21.4	J-1236	21.4	J-1236	True
J-507	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	69.7	5.0	39.7	J-1402	23.3	J-2	True
J-508	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	70.1	5.0	39.8	J-1402	23.3	J-2	True
J-651	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	69.8	5.0	27.9	J-459	23.3	J-2	True
J-652	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	73.4	5.0	28.9	J-459	23.3	J-2	True
J-655	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	73.7	5.0	29.0	J-459	23.3	J-2	True
J-870	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	76.6	5.0	30.2	J-459	23.3	J-2	True
J-875	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	61.1	5.0	38.2	J-459	23.3	J-2	True
J-905	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	47.7	5.0	12.5	J-459	12.5	J-459	True
J-991	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	40.6	5.0	36.1	J-1332	21.6	J-2	True
J-993	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	42.1	5.0	36.0	J-1332	21.7	J-2	True
J-995	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	43.1	5.0	36.0	J-1332	21.8	J-2	True
J-1013	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	43.6	5.0	36.0	J-1332	21.8	J-2	True
J-1020	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	44.5	5.0	35.8	J-1332	21.8	J-2	True
J-1038	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	39.3	5.0	31.9	J-1332	22.0	J-2	True
J-1039	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	42.3	5.0	33.8	J-1332	21.9	J-2	True
J-1065	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	29.7	5.0	24.9	J-1332	22.1	J-2	True
J-1066	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	32.0	5.0	26.6	J-1332	22.1	J-2	True
J-1100	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	27.2	5.0	22.0	J-1332	22.0	J-1332	True
J-1101	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	26.6	5.0	21.3	J-1332	21.3	J-1332	True
J-1116	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	74.1	5.0	30.6	J-459	23.3	J-2	True
J-1204	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	77.4	5.0	30.4	J-459	23.3	J-2	True
J-1236	True	Passed	1,000.0	1,598.3	3,083.5	3,681.8	20.0	20.0	5.0	25.6	J-1277	23.3	J-2	True
J-1241	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	77.0	5.0	56.9	J-1302	23.3	J-2	True
J-1242	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	74.8	5.0	56.7	J-1302	23.3	J-2	True
J-1243	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	67.6	5.0	55.8	J-1302	23.3	J-2	True
J-1244	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	64.5	5.0	55.5	J-1302	23.3	J-2	True
J-1254	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	73.0	5.0	56.1	J-1302	23.3	J-2	True
J-1259	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	69.6	5.0	56.1	J-1302	23.3	J-2	True

Fire Flow Node FlexTable: Fire Flow Results Table

Label	Satisfies Fire Flow Constraints?	Fire Flow Status	Fire Flow (Needed) (gpm)	Fire Flow (Available) (gpm)	Flow (Total Needed) (gpm)	Flow (Total Available) (gpm)	Pressure (Residual Lower Limit) (psi)	Pressure (Calculated Residual) (psi)	Pressure (Zone Lower Limit) (psi)	Pressure (Calculated Zone Lower Limit) (psi)	Junction w/ Minimum Pressure (Zone)	Pressure (Calculated System Lower Limit) (psi)	Junction w/ Minimum Pressure (System)	Is Fire Flow Run Balanced?
J-1262	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	60.7	5.0	52.2	J-1302	23.3	J-2	True
J-1274	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	37.8	5.0	16.9	J-1236	16.9	J-1236	True
J-1275	True	Passed	1,000.0	3,500.0	2,069.5	4,569.5	20.0	42.0	5.0	50.4	J-1276	23.3	J-2	True
J-1276	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	50.4	5.0	54.9	J-1275	23.3	J-2	True
J-1277	True	Passed	1,000.0	2,320.9	1,000.0	2,320.9	20.0	20.0	5.0	17.2	J-1236	17.2	J-1236	True
J-1280	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	59.6	5.0	55.8	J-1302	23.3	J-2	True
J-1286	True	Passed	1,000.0	2,420.3	1,000.0	2,420.3	20.0	24.3	5.0	5.0	J-459	5.0	J-459	True
J-1293	True	Passed	1,000.0	1,725.4	1,000.0	1,725.4	20.0	30.2	5.0	5.0	J-459	5.0	J-459	True
J-1295	True	Passed	1,000.0	3,112.3	1,000.0	3,112.3	20.0	21.3	5.0	5.0	J-1374	5.0	J-1374	True
J-1302	True	Passed	1,000.0	3,500.0	1,705.0	4,205.0	20.0	49.5	5.0	61.9	J-1339	23.3	J-2	True
J-1303	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	66.1	5.0	31.7	J-1236	23.3	J-2	True
J-1308	True	Passed	1,000.0	3,500.0	2,080.0	4,580.0	20.0	63.8	5.0	27.8	J-1236	23.3	J-2	True
J-1311	True	Passed	1,000.0	3,500.0	2,108.5	4,608.5	20.0	62.8	5.0	60.4	J-1302	23.3	J-2	True
J-1312	True	Passed	1,000.0	2,184.6	1,447.0	2,631.6	20.0	20.0	5.0	21.0	J-480	21.0	J-480	True
J-1313	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	62.2	5.0	33.0	J-1236	23.3	J-2	True
J-1314	True	Passed	1,000.0	3,500.0	2,822.5	5,322.5	20.0	25.6	5.0	16.1	J-1236	16.1	J-1236	True
J-1315	True	Passed	1,000.0	3,500.0	3,442.0	5,942.0	20.0	59.8	5.0	62.3	J-1597	23.3	J-2	True
J-1318	True	Passed	1,000.0	1,829.5	1,000.0	1,829.5	20.0	20.0	5.0	8.5	J-1332	8.5	J-1332	True
J-1326	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	30.7	5.0	25.7	J-1402	23.1	J-2	True
J-1330	False	Residual Pressure Failed	1,000.0	333.4	1,000.0	333.4	20.0	20.0	5.0	54.5	J-149	23.3	J-2	True
J-1331	False	Fire Node Residual Pressure Failed	1,000.0	0.0	2,232.1	1,232.1	20.0	6.5	5.0	57.2	J-149	23.3	J-2	True
J-1332	False	Residual Pressure Failed	1,000.0	712.1	1,526.5	1,238.6	20.0	20.0	5.0	38.2	J-1402	23.1	J-2	True
J-1333	True	Passed	1,000.0	2,858.7	1,000.0	2,858.7	20.0	20.0	5.0	7.3	J-1402	7.3	J-1402	True
J-1334	True	Passed	1,000.0	2,914.3	1,000.0	2,914.3	20.0	28.1	5.0	5.0	J-459	5.0	J-459	True
J-1335	False	Residual Pressure Failed	1,000.0	532.3	1,846.0	1,378.3	20.0	20.0	5.0	33.3	J-459	23.3	J-2	True
J-1336	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	75.3	5.0	57.1	J-1302	23.3	J-2	True
J-1337	True	Passed	1,000.0	3,500.0	1,982.5	4,482.5	20.0	37.5	5.0	57.1	J-1302	23.3	J-2	True
J-1339	True	Passed	1,000.0	3,500.0	1,855.0	4,355.0	20.0	53.2	5.0	52.2	J-1302	23.3	J-2	True
J-1343	True	Passed	1,000.0	1,230.8	1,255.0	1,485.8	20.0	20.0	5.0	25.6	J-1332	22.9	J-2	True
J-1344	True	Passed	1,000.0	1,593.4	1,079.5	1,672.9	20.0	20.0	5.0	36.9	J-306	21.3	J-2	True
J-1346	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	71.4	5.0	31.2	J-459	23.3	J-2	True
J-1347	True	Passed	1,000.0	3,250.7	1,290.1	3,540.9	20.0	20.0	5.0	31.8	J-459	23.3	J-2	True
J-1350	True	Passed	1,000.0	1,585.1	1,102.0	1,687.1	20.0	20.0	5.0	18.6	J-459	18.6	J-459	True
J-1351	True	Passed	1,000.0	2,068.1	1,999.0	3,067.1	20.0	20.0	5.0	9.9	J-459	9.9	J-459	True
J-1352	False	Zone Pressure Failed	1,000.0	843.9	1,828.0	1,671.9	20.0	20.5	5.0	5.0	J-459	5.0	J-459	True
J-1354	True	Passed	1,000.0	2,916.2	1,265.5	3,181.7	20.0	20.0	5.0	57.7	J-1302	23.3	J-2	True
J-1355	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	70.1	5.0	56.1	J-1302	23.3	J-2	True
J-1356	True	Passed	1,000.0	3,500.0	2,786.5	5,286.5	20.0	48.6	5.0	55.8	J-1636	23.3	J-2	True
J-1357	True	Passed	1,000.0	3,500.0	2,540.5	5,040.5	20.0	58.2	5.0	55.9	J-1302	23.3	J-2	True
J-1358	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	63.9	5.0	56.2	J-1302	23.3	J-2	True
J-1359	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	62.6	5.0	54.6	J-1302	23.3	J-2	True
J-1360	True	Passed	1,000.0	3,500.0	1,498.0	3,998.0	20.0	61.3	5.0	54.6	J-1302	23.3	J-2	True
J-1373	True	Passed	1,000.0	2,118.9	3,017.5	4,136.4	20.0	20.0	5.0	22.0	J-480	22.0	J-480	True
J-1374	True	Passed	1,000.0	2,155.0	2,146.0	3,301.0	20.0	20.0	5.0	21.5	J-480	21.5	J-480	True
J-1375	True	Passed	1,000.0	3,500.0	1,975.0	4,475.0	20.0	54.6	5.0	18.0	J-1236	18.0	J-1236	True
J-1376	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	55.2	5.0	36.6	J-459	23.3	J-2	True
J-1377	True	Passed	1,000.0	2,436.2	1,184.5	2,620.7	20.0	20.0	5.0	37.3	J-459	23.3	J-2	True

Fire Flow Node FlexTable: Fire Flow Results Table

Label	Satisfies Fire Flow Constraints?	Fire Flow Status	Fire Flow (Needed) (gpm)	Fire Flow (Available) (gpm)	Flow (Total Needed) (gpm)	Flow (Total Available) (gpm)	Pressure (Residual Lower Limit) (psi)	Pressure (Calculated Residual) (psi)	Pressure (Zone Lower Limit) (psi)	Pressure (Calculated Zone Lower Limit) (psi)	Junction w/ Minimum Pressure (Zone)	Pressure (Calculated System Lower Limit) (psi)	Junction w/ Minimum Pressure (System)	Is Fire Flow Run Balanced?
J-1378	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	54.1	5.0	37.0	J-459	23.3	J-2	True
J-1379	True	Passed	1,000.0	3,500.0	1,855.0	4,355.0	20.0	49.4	5.0	21.4	J-1236	21.4	J-1236	True
J-1380	True	Passed	1,000.0	2,729.9	1,000.0	2,729.9	20.0	29.8	5.0	5.0	J-459	5.0	J-459	True
J-1381	True	Passed	1,000.0	2,813.2	1,000.0	2,813.2	20.0	31.9	5.0	5.0	J-459	5.0	J-459	True
J-1382	True	Passed	1,000.0	3,500.0	1,309.0	3,809.0	20.0	37.6	5.0	5.1	J-459	5.1	J-459	True
J-1383	True	Passed	1,000.0	2,945.1	1,000.0	2,945.1	20.0	34.3	5.0	5.0	J-459	5.0	J-459	True
J-1384	True	Passed	1,000.0	2,639.7	1,000.0	2,639.7	20.0	27.9	5.0	5.0	J-459	5.0	J-459	True
J-1385	True	Passed	1,000.0	2,534.3	1,523.5	3,057.8	20.0	25.9	5.0	5.0	J-459	5.0	J-459	True
J-1386	True	Passed	1,000.0	2,359.6	1,000.0	2,359.6	20.0	30.0	5.0	5.0	J-459	5.0	J-459	True
J-1389	True	Passed	1,000.0	3,500.0	1,904.5	4,404.5	20.0	69.7	5.0	50.4	J-1276	23.3	J-2	True
J-1391	True	Passed	1,000.0	3,500.0	2,399.5	4,899.5	20.0	61.4	5.0	56.1	J-1302	23.3	J-2	True
J-1392	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	25.1	5.0	25.0	J-1393	21.4	J-2	True
J-1393	True	Passed	1,000.0	1,926.7	1,546.0	2,472.7	20.0	20.0	5.0	38.0	J-1402	22.3	J-2	True
J-1394	True	Passed	1,000.0	1,616.5	1,000.0	1,616.5	20.0	20.0	5.0	13.9	J-1332	13.9	J-1332	True
J-1395	True	Passed	1,000.0	1,159.4	1,186.0	1,345.4	20.0	20.0	5.0	24.4	J-1332	22.9	J-2	True
J-1397	True	Passed	1,000.0	3,500.0	1,837.0	4,337.0	20.0	54.5	5.0	59.0	J-1302	23.3	J-2	True
J-1399	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	37.6	5.0	33.1	J-1402	22.6	J-2	True
J-1400	True	Passed	1,000.0	2,777.6	2,563.0	4,340.6	20.0	20.0	5.0	34.9	J-1402	22.7	J-2	True
J-1402	True	Passed	1,000.0	1,155.1	1,000.0	1,155.1	20.0	20.0	5.0	31.3	J-1403	23.1	J-2	True
J-1403	True	Passed	1,000.0	1,710.9	1,589.5	2,300.4	20.0	20.0	5.0	10.9	J-1402	10.9	J-1402	True
J-1405	True	Passed	1,000.0	2,764.9	1,000.0	2,764.9	20.0	20.0	5.0	10.1	J-1406	10.1	J-1406	True
J-1406	True	Passed	1,000.0	1,693.0	1,822.0	2,515.0	20.0	20.0	5.0	23.6	J-1402	23.0	J-2	True
J-1407	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	25.3	5.0	20.9	J-1402	20.9	J-1402	True
J-1408	True	Passed	1,000.0	1,787.9	1,270.0	2,057.9	20.0	20.0	5.0	31.1	J-1402	23.2	J-2	True
J-1409	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	34.6	5.0	31.8	J-1402	23.1	J-2	True
J-1410	True	Passed	1,000.0	3,500.0	1,206.0	3,706.0	20.0	31.9	5.0	31.8	J-1402	23.1	J-2	True
J-1411	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	62.9	5.0	38.8	J-1402	23.1	J-2	True
J-1412	True	Passed	1,000.0	3,349.9	1,415.5	3,765.4	20.0	20.0	5.0	38.9	J-1402	23.1	J-2	True
J-1413	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	49.2	5.0	37.3	J-1402	22.5	J-2	True
J-1414	True	Passed	1,000.0	3,338.7	1,379.2	3,717.9	20.0	20.0	5.0	37.4	J-1402	22.5	J-2	True
J-1415	True	Passed	1,000.0	3,124.4	1,162.3	3,286.7	20.0	20.0	5.0	30.9	J-459	23.3	J-2	True
J-1416	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	55.1	5.0	38.5	J-1402	23.3	J-2	True
J-1417	True	Passed	1,000.0	2,276.4	1,525.6	2,802.0	20.0	20.0	5.0	39.1	J-1402	23.3	J-2	True
J-1418	True	Passed	1,000.0	1,797.6	1,322.0	2,119.6	20.0	20.0	5.0	15.9	J-1640	15.9	J-1640	True
J-1423	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	71.9	5.0	62.8	J-1315	23.3	J-2	True
J-1425	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	101.2	5.0	59.8	J-1315	23.3	J-2	True
J-1426	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	104.1	5.0	59.8	J-1315	23.3	J-2	True
J-1427	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	90.7	5.0	59.8	J-1315	23.3	J-2	True
J-1428	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	75.6	5.0	59.8	J-1315	23.3	J-2	True
J-1429	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	59.0	5.0	57.2	J-1644	23.3	J-2	True
J-1430	True	Passed	1,000.0	3,165.9	1,000.0	3,165.9	20.0	20.0	5.0	18.5	J-1644	18.5	J-1644	True
J-1431	True	Passed	1,000.0	2,643.8	1,000.0	2,643.8	20.0	20.0	5.0	18.7	J-1644	18.7	J-1644	True
J-1446	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	75.7	5.0	29.1	J-459	23.3	J-2	True
J-1447	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	76.1	5.0	29.1	J-459	23.3	J-2	True
J-1448	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	75.6	5.0	29.1	J-459	23.3	J-2	True
J-1449	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	75.6	5.0	29.2	J-459	23.3	J-2	True
J-1450	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	75.4	5.0	29.2	J-459	23.3	J-2	True

Fire Flow Node FlexTable: Fire Flow Results Table

Label	Satisfies Fire Flow Constraints?	Fire Flow Status	Fire Flow (Needed) (gpm)	Fire Flow (Available) (gpm)	Flow (Total Needed) (gpm)	Flow (Total Available) (gpm)	Pressure (Residual Lower Limit) (psi)	Pressure (Calculated Residual) (psi)	Pressure (Zone Lower Limit) (psi)	Pressure (Calculated Zone Lower Limit) (psi)	Junction w/ Minimum Pressure (Zone)	Pressure (Calculated System Lower Limit) (psi)	Junction w/ Minimum Pressure (System)	Is Fire Flow Run Balanced?
J-1451	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	75.6	5.0	29.1	J-459	23.3	J-2	True
J-1452	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	75.9	5.0	29.1	J-459	23.3	J-2	True
J-1453	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	76.6	5.0	29.1	J-459	23.3	J-2	True
J-1454	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	65.1	5.0	29.0	J-459	23.3	J-2	True
J-1457	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	64.7	5.0	28.9	J-459	23.3	J-2	True
J-1458	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	62.5	5.0	22.3	J-459	22.3	J-459	True
J-1459	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	54.3	5.0	17.1	J-459	17.1	J-459	True
J-1464	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	75.8	5.0	29.1	J-459	23.3	J-2	True
J-1465	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	75.5	5.0	29.2	J-459	23.3	J-2	True
J-1466	True	Passed	1,000.0	3,429.4	1,439.5	3,868.9	20.0	20.0	5.0	29.4	J-459	23.3	J-2	True
J-1468	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	75.5	5.0	29.2	J-459	23.3	J-2	True
J-1471	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	72.6	5.0	29.0	J-459	23.3	J-2	True
J-1475	True	Passed	1,000.0	2,326.6	1,081.0	2,407.6	20.0	20.0	5.0	19.3	J-459	19.3	J-459	True
J-1483	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	60.3	5.0	29.4	J-459	23.3	J-2	True
J-1484	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	69.1	5.0	29.9	J-459	23.3	J-2	True
J-1484	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	67.5	5.0	29.2	J-459	23.3	J-2	True
J-1485	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	72.7	5.0	30.5	J-459	23.3	J-2	True
J-1485	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	66.1	5.0	29.2	J-459	23.3	J-2	True
J-1486	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	70.9	5.0	31.0	J-459	23.3	J-2	True
J-1487	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	69.3	5.0	31.0	J-459	23.3	J-2	True
J-1494	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	68.0	5.0	29.3	J-459	23.3	J-2	True
J-1495	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	65.7	5.0	29.7	J-459	23.3	J-2	True
J-1496	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	55.8	5.0	30.3	J-459	23.3	J-2	True
J-1497	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	63.4	5.0	30.7	J-459	23.3	J-2	True
J-1498	True	Passed	1,000.0	3,500.0	1,019.5	3,519.5	20.0	73.1	5.0	29.2	J-459	23.3	J-2	True
J-1499	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	73.0	5.0	30.6	J-459	23.3	J-2	True
J-1500	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	70.0	5.0	30.6	J-459	23.3	J-2	True
J-1501	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	76.0	5.0	30.6	J-459	23.3	J-2	True
J-1502	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	75.4	5.0	30.5	J-459	23.3	J-2	True
J-1503	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	75.5	5.0	30.5	J-459	23.3	J-2	True
J-1504	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	76.2	5.0	30.5	J-459	23.3	J-2	True
J-1505	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	77.2	5.0	30.5	J-459	23.3	J-2	True
J-1506	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	77.5	5.0	30.5	J-459	23.3	J-2	True
J-1507	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	71.9	5.0	30.6	J-459	23.3	J-2	True
J-1511	True	Passed	1,000.0	3,500.0	1,600.0	4,100.0	20.0	59.2	5.0	32.3	J-459	23.3	J-2	True
J-1512	True	Passed	1,000.0	3,500.0	1,600.0	4,100.0	20.0	62.8	5.0	30.3	J-459	23.3	J-2	True
J-1513	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	57.8	5.0	30.6	J-459	23.3	J-2	True
J-1514	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	59.7	5.0	33.7	J-459	23.3	J-2	True
J-1515	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	61.3	5.0	37.6	J-459	23.3	J-2	True
J-1517	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	55.2	5.0	31.8	J-459	23.3	J-2	True
J-1519	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	75.5	5.0	30.5	J-459	23.3	J-2	True
J-1521	True	Passed	1,000.0	3,500.0	1,131.2	3,631.3	20.0	40.6	5.0	30.5	J-459	23.3	J-2	True
J-1523	True	Passed	1,000.0	3,500.0	1,131.2	3,631.3	20.0	37.1	5.0	30.5	J-459	23.3	J-2	True
J-1525	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	77.5	5.0	30.5	J-459	23.3	J-2	True
J-1540	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	46.2	5.0	36.4	J-1402	23.2	J-2	True
J-1541	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	48.5	5.0	36.4	J-1402	23.2	J-2	True
J-1542	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	54.6	5.0	36.2	J-1402	23.2	J-2	True

Fire Flow Node FlexTable: Fire Flow Results Table

Label	Satisfies Fire Flow Constraints?	Fire Flow Status	Fire Flow (Needed) (gpm)	Fire Flow (Available) (gpm)	Flow (Total Needed) (gpm)	Flow (Total Available) (gpm)	Pressure (Residual Lower Limit) (psi)	Pressure (Calculated Residual) (psi)	Pressure (Zone Lower Limit) (psi)	Pressure (Calculated Zone Lower Limit) (psi)	Junction w/ Minimum Pressure (Zone)	Pressure (Calculated System Lower Limit) (psi)	Junction w/ Minimum Pressure (System)	Is Fire Flow Run Balanced?
J-1543	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	44.8	5.0	34.0	J-1402	23.2	J-2	True
J-1544	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	37.5	5.0	31.3	J-1402	23.2	J-2	True
J-1545	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	34.0	5.0	29.2	J-1402	23.1	J-2	True
J-1546	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	33.5	5.0	28.6	J-1402	23.1	J-2	True
J-1547	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	32.9	5.0	27.7	J-1402	23.1	J-2	True
J-1548	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	32.7	5.0	27.3	J-1402	23.1	J-2	True
J-1549	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	32.4	5.0	26.9	J-1402	23.1	J-2	True
J-1550	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	31.9	5.0	26.5	J-1402	23.1	J-2	True
J-1551	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	33.7	5.0	28.9	J-1402	23.1	J-2	True
J-1554	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	35.4	5.0	30.2	J-1402	23.2	J-2	True
J-1557	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	43.0	5.0	33.4	J-1402	23.2	J-2	True
J-1559	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	49.5	5.0	36.3	J-1402	23.2	J-2	True
J-1560	True	Passed	1,000.0	2,640.2	1,285.4	2,925.5	20.0	20.0	5.0	37.3	J-1402	23.2	J-2	True
J-1561	True	Passed	1,000.0	2,368.6	1,285.4	2,654.0	20.0	20.0	5.0	37.6	J-1402	23.3	J-2	True
J-1562	True	Passed	1,000.0	1,460.5	1,487.5	1,948.0	20.0	20.0	5.0	38.4	J-1402	22.7	J-2	True
J-1563	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	44.7	5.0	35.8	J-1332	21.9	J-2	True
J-1570	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	26.9	5.0	21.6	J-1332	21.6	J-1332	True
J-1573	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	31.0	5.0	25.9	J-1332	22.1	J-2	True
J-1574	True	Passed	1,000.0	1,629.7	1,487.5	2,117.2	20.0	20.0	5.0	36.6	J-1332	22.7	J-2	True
J-1575	True	Passed	1,000.0	1,772.5	1,487.5	2,260.0	20.0	20.0	5.0	35.9	J-1332	22.7	J-2	True
J-1577	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	30.4	5.0	26.2	J-1402	23.1	J-2	True
J-1578	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	27.8	5.0	23.7	J-1641	23.1	J-2	True
J-1579	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	26.6	5.0	25.6	J-1641	23.2	J-2	True
J-1580	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	35.5	5.0	24.9	J-1729	23.2	J-2	True
J-1594	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	105.2	5.0	59.8	J-1315	23.3	J-2	True
J-1595	True	Passed	1,000.0	3,500.0	3,917.8	6,417.8	20.0	98.6	5.0	59.8	J-1315	23.3	J-2	True
J-1596	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	100.7	5.0	59.8	J-1315	23.3	J-2	True
J-1597	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	60.0	5.0	59.8	J-1315	23.3	J-2	True
J-1600	True	Passed	1,000.0	1,690.5	1,562.5	2,253.0	20.0	20.0	5.0	61.5	J-1315	23.3	J-2	True
J-1601	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	80.6	5.0	59.8	J-1315	23.3	J-2	True
J-1602	True	Passed	1,000.0	3,500.0	3,349.0	5,849.0	20.0	80.4	5.0	59.8	J-1315	23.3	J-2	True
J-1604	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	24.9	5.0	19.5	J-1729	19.5	J-1729	True
J-1628	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	24.4	5.0	23.0	J-1630	23.0	J-1630	True
J-1630	True	Passed	1,000.0	2,918.2	3,208.7	5,126.9	20.0	20.0	5.0	27.5	J-1729	23.2	J-2	True
J-1631	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	39.7	5.0	31.4	J-1633	23.2	J-2	True
J-1632	True	Passed	1,000.0	2,456.8	2,564.3	4,021.1	20.0	20.0	5.0	36.3	J-1729	23.2	J-2	True
J-1633	True	Passed	1,000.0	2,373.7	2,704.6	4,078.3	20.0	20.0	5.0	36.7	J-1729	23.2	J-2	True
J-1634	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	55.9	5.0	62.7	J-1315	23.3	J-2	True
J-1636	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	55.8	5.0	54.9	J-1356	23.3	J-2	True
J-1638	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	61.9	5.0	59.8	J-1315	23.3	J-2	True
J-1639	True	Passed	1,000.0	2,216.1	1,844.5	3,060.6	20.0	20.0	5.0	11.8	J-1402	11.8	J-1402	True
J-1640	False	Residual Pressure Failed	1,000.0	979.7	1,897.0	1,876.7	20.0	20.0	5.0	29.9	J-1402	23.2	J-2	True
J-1641	True	Passed	1,000.0	2,628.9	2,338.6	3,967.5	20.0	20.0	5.0	31.8	J-1402	23.2	J-2	True
J-1642	True	Passed	1,000.0	2,214.1	2,147.5	3,361.6	20.0	20.0	5.0	30.1	J-1729	23.2	J-2	True
J-1643	True	Passed	1,000.0	1,270.7	1,816.1	2,086.7	20.0	20.0	5.0	26.5	J-1729	23.2	J-2	True
J-1644	True	Passed	1,000.0	2,106.8	1,286.8	2,393.6	20.0	20.0	5.0	53.6	J-1431	23.3	J-2	True
J-1645	True	Passed	1,000.0	2,194.6	1,285.4	2,479.9	20.0	20.0	5.0	34.4	J-1402	23.2	J-2	True

Fire Flow Node FlexTable: Fire Flow Results Table

Label	Satisfies Fire Flow Constraints?	Fire Flow Status	Fire Flow (Needed) (gpm)	Fire Flow (Available) (gpm)	Flow (Total Needed) (gpm)	Flow (Total Available) (gpm)	Pressure (Residual Lower Limit) (psi)	Pressure (Calculated Residual) (psi)	Pressure (Zone Lower Limit) (psi)	Pressure (Calculated Zone Lower Limit) (psi)	Junction w/ Minimum Pressure (Zone)	Pressure (Calculated System Lower Limit) (psi)	Junction w/ Minimum Pressure (System)	Is Fire Flow Run Balanced?
J-1646	True	Passed	1,000.0	2,216.3	1,285.4	2,501.7	20.0	20.0	5.0	34.4	J-1402	23.2	J-2	True
J-1648	True	Passed	1,000.0	3,500.0	1,487.5	3,987.5	20.0	44.7	5.0	37.0	J-1402	22.3	J-2	True
J-1649	True	Passed	1,000.0	3,500.0	1,439.5	3,939.5	20.0	70.2	5.0	29.8	J-459	23.3	J-2	True
J-1650	True	Passed	1,000.0	2,932.1	1,591.7	3,523.8	20.0	20.0	5.0	32.4	J-459	23.3	J-2	True
J-1651	True	Passed	1,000.0	3,500.0	1,591.7	4,091.7	20.0	70.5	5.0	32.3	J-459	23.3	J-2	True
J-1657	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	62.0	5.0	56.0	J-1302	23.3	J-2	True
J-1662	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	64.5	5.0	55.9	J-1302	23.3	J-2	True
J-1663	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	66.2	5.0	55.0	J-1302	23.3	J-2	True
J-1664	True	Passed	1,000.0	2,899.4	1,000.0	2,899.4	20.0	33.0	5.0	5.0	J-459	5.0	J-459	True
J-1665	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	73.9	5.0	31.0	J-459	23.3	J-2	True
J-1667	True	Passed	1,000.0	2,500.5	1,000.0	2,500.5	20.0	20.0	5.0	5.5	J-1332	5.5	J-1332	True
J-1668	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	50.8	5.0	37.3	J-1402	22.5	J-2	True
J-1669	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	25.8	5.0	26.8	J-1402	22.6	J-2	True
J-1672	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	38.4	5.0	38.5	J-1402	23.1	J-2	True
J-1673	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	31.4	5.0	27.2	J-1402	23.1	J-2	True
J-1674	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	30.6	5.0	26.3	J-1402	23.1	J-2	True
J-1677	True	Passed	1,000.0	3,304.0	1,000.0	3,304.0	20.0	20.0	5.0	27.0	J-501	21.4	J-2	True
J-1681	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	74.4	5.0	57.2	J-1302	23.3	J-2	True
J-1683	True	Passed	1,000.0	1,843.2	1,184.5	2,027.7	20.0	20.0	5.0	23.8	J-459	23.3	J-2	True
J-1685	True	Passed	1,000.0	2,011.4	1,000.0	2,011.4	20.0	20.0	5.0	21.9	J-459	21.9	J-459	True
J-1686	True	Passed	1,000.0	2,159.9	1,000.0	2,159.9	20.0	20.0	5.0	19.4	J-1685	19.4	J-1685	True
J-1687	True	Passed	1,000.0	2,804.0	1,000.0	2,804.0	20.0	20.0	5.0	11.3	J-480	11.3	J-480	True
J-1687	True	Passed	1,000.0	2,269.5	1,000.0	2,269.5	20.0	20.0	5.0	19.8	J-459	19.8	J-459	True
J-1690	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	67.4	5.0	38.4	J-1402	23.3	J-2	True
J-1691	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	101.7	5.0	59.8	J-1315	23.3	J-2	True
J-1691	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	73.1	5.0	30.0	J-459	23.3	J-2	True
J-1692	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	81.2	5.0	59.8	J-1315	23.3	J-2	True
J-1692	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	80.7	5.0	29.8	J-459	23.3	J-2	True
J-1694	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	72.1	5.0	39.8	J-1402	23.3	J-2	True
J-1696	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	70.1	5.0	39.7	J-1402	23.3	J-2	True
J-1699	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	78.4	5.0	29.6	J-459	23.3	J-2	True
J-1707	True	Passed	1,000.0	2,685.2	1,000.0	2,685.2	20.0	20.0	5.0	16.6	J-459	16.6	J-459	True
J-1709	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	75.2	5.0	29.2	J-459	23.3	J-2	True
J-1714	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	38.5	5.0	17.9	J-1236	17.9	J-1236	True
J-1715	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	58.8	5.0	34.5	J-459	23.3	J-2	True
J-1716	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	61.7	5.0	59.8	J-1315	23.3	J-2	True
J-1729	True	Passed	1,000.0	1,603.4	1,000.0	1,603.4	20.0	20.0	5.0	20.3	J-1643	20.3	J-1643	True
J-1732	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	62.6	5.0	38.5	J-1402	22.9	J-2	True
J-1734	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	45.5	5.0	35.4	J-1402	22.6	J-2	True
J-2022	True	Passed	1,000.0	3,500.0	1,000.0	3,500.0	20.0	68.3	5.0	30.7	J-459	23.3	J-2	True

APPENDIX B

RESPEC • 407 PARIS STREET, SUITE 1 • CASTROVILLE, TX 78009
TBPE FIRM NO. F-17502 WWW.RESPEC.COM

Diurnal Flow Time Distribution

Time	gpm per hour
1:00	0.779
2:00	0.750
3:00	0.584
4:00	0.505
5:00	0.619
6:00	0.429
7:00	0.603
8:00	0.769
9:00	0.851
10:00	1.248
11:00	1.271
Noon	1.288
1:00	1.312
2:00	1.252
3:00	1.138
4:00	1.064
5:00	1.040
6:00	1.206
7:00	1.139
8:00	1.157
9:00	1.290
10:00	1.141
11:00	1.357
Midnight	1.208

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TBPE FIRM NO. F-17502 WWW.RESPEC.COM

Existing LUE Calculation

Sewershed	# of Rooftops	Commercial LUE Bump by Area	Existing Construction LUEs	Total LUEs	Average Flow (gpm)	Average Flow (gpm)	Corresponding InfoSewer Loading Manhole
FE2 (NORTH)	1			1	0.125	0.313	MH 162
FW2	67	42	54	163	20.375	50.938	MH 052
FW2 (AO1)			586	586	73.250	183.125	MH 050
FW3	17			17	2.125	5.313	MH 052
ME3	169	3		172	21.500	53.750	MH 041
ME4	102	7		109	13.625	34.063	MH 032
MW1	661	82		743	92.875	232.188	MH 011
MW2	263	28		291	36.375	90.938	MH 023
			Totals	2082	260.25	650.625	

RESPEC • 407 PARIS STREET, SUITE 1 • CASTROVILLE, TX 78009
TBPE FIRM NO. F-17502 WWW.RESPEC.COM

Static Gravity Main Results at Peak Flow

ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (cfs)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth (ft)	Critical Depth (ft)	Froude Number	Full Flow (cfs)	Backwater Adjustment	Adjusted Depth (ft)	Adjusted Velocity (ft/s)
1	20	WW_M	15	1,172.41	0.003	1.041	Free Surface	3.137	32%	22%	0.394	0.401	1.034	4.826	Yes	1.25	0.848
2	30	A6	12	712.63	0.029	0.321	Free Surface	4.079	16%	5%	0.157	0.233	2.185	6.034	No	0.157	4.079
10	11	10	12	777.179	0.006	0.517	Free Surface	2.745	29%	18%	0.289	0.298	1.061	2.834	Yes	1	0.659
20	21	20	15	775.842	0.019	0.72	Free Surface	4.382	19%	8%	0.239	0.332	1.89	8.971	No	0.239	4.382
21	22	21	15	1,535.79	0.001	0.72	Free Surface	1.4	44%	39%	0.545	0.332	0.383	1.826	No	0.545	1.4
22	23	22	15	773.398	0.001	0.72	Free Surface	1.756	37%	29%	0.46	0.332	0.531	2.49	No	0.46	1.756
23	10	23	12	1,528.30	0.002	0.517	Free Surface	1.858	39%	31%	0.385	0.298	0.612	1.649	Yes	0.422	1.64
30	31	30	12	1,717.90	0.002	0.321	Free Surface	1.538	31%	21%	0.311	0.233	0.571	1.525	No	0.311	1.538
31	32	31	12	1,183.43	0.002	0.321	Free Surface	1.517	31%	21%	0.314	0.233	0.56	1.497	No	0.314	1.517
32	40	32	12	1,000.08	0.008	0.245	Free Surface	2.413	19%	8%	0.187	0.203	1.178	3.206	Yes	0.251	1.589
40	41	40	12	1,939.82	0.006	0.245	Free Surface	2.2	20%	9%	0.199	0.203	1.038	2.814	No	0.199	2.2
50	50	162	24	1,134.37	0.001	0.408	Pressurized	1.636	13%	4%	0.267	0.219	0.673	10.687	Yes	2	0.13
051E	52	41	8	2,875.00	0.001	0.125	Free Surface	1.108	36%	28%	0.24	0.162	0.464	0.452	Yes	0.414	0.55
160	160	WW_E	24	733.65	0.001	0.409	Free Surface	1.47	14%	5%	0.288	0.219	0.582	9.173	No	0.288	1.47
161	161	160	24	204.825	0.001	0.409	Free Surface	1.393	15%	5%	0.298	0.219	0.541	8.495	No	0.298	1.393
162	162	161	24	2,088.02	0.008	0.409	Free Surface	3.105	9%	2%	0.173	0.219	1.598	26.709	Yes	0.236	1.967
A6	A6	20	15	378.49	0.002	0.321	Free Surface	2.118	18%	7%	0.226	0.219	0.941	4.485	No	0.226	2.118

Static Loading Manhole Results at Peak Flow

ID	Rim Elevation (ft)	Base Flow (cfs)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
10	761.068	0.000	747.286	Not Full	Yes	-0.615	13.782
11	761.813	0.517	748.822	Not Full	No	-0.711	12.991
20	732.150	0.000	714.514	Not Full	No	-0.856	17.636
21	754.117	0.000	740.772	Not Full	No	-1.011	13.345
22	757.671	0.000	742.716	Not Full	No	-0.705	14.955
23	756.643	0.203	744.103	Not Full	No	-0.790	12.540
30	756.502	0.000	746.243	Not Full	No	-0.843	10.259
31	758.799	0.000	749.527	Not Full	No	-0.689	9.272
32	770.293	0.076	751.607	Not Full	Yes	-0.686	18.686
40	767.433	0.000	759.537	Not Full	No	-0.813	7.896
41	776.805	0.120	771.588	Not Full	No	-0.801	5.217
50	764.544	0.408	758.435	Not Full	No	9.065	6.109
52	779.000	0.125	775.240	Not Full	No	-0.427	3.760
160	760.819	0.000	741.148	Not Full	No	-1.712	19.671
161	764.225	0.000	741.428	Not Full	Yes	-1.702	22.797
162	767.185	0.001	758.433	Not Full	No	-1.827	8.752
A6	728.490	0.000	715.556	Not Full	Yes	-1.024	12.934

Static Lift Station and Force Main Results at Peak Flow

ID	Wet Well Grade (ft)	Pump Flow (cfs)	Head Increase (ft)	Power (hp)	Chamber Grade (ft)	Force Main Dia. (in)	Length (ft)	Total Flow (cfs)	Velocity (ft/s)	Headloss (ft)
EAST	740	0.891	100.394	10.151	752.962	10	13,520.00	1.671	48.338	9.164
MAIN	714.5	1.114	63.739	8.056	753.358	10	1,540.82	2.295	85.65	22.3

Static Gravity Main Results at Average Daily Flow

ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (cfs)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth (ft)	Critical Depth (ft)	Froude Number	Full Flow (cfs)	Backwater Adjustment	Adjusted Depth (ft)	Adjusted Velocity (ft/s)
1	20	WW_M	15	1,172.41	0.003	0.444	Free Surface	2.455	21%	9%	0.256	0.259	1.021	4.826	Yes	1.25	0.362
2	30	A6	12	712.63	0.029	0.157	Free Surface	3.29	11%	3%	0.111	0.162	2.107	6.034	No	0.111	3.29
10	11	10	12	777.179	0.006	0.207	Free Surface	2.103	18%	7%	0.183	0.187	1.039	2.834	Yes	1	0.263
20	21	20	15	775.842	0.019	0.288	Free Surface	3.337	12%	3%	0.154	0.208	1.813	8.971	No	0.154	3.337
21	22	21	15	1,535.79	0.001	0.288	Free Surface	1.086	27%	16%	0.336	0.208	0.391	1.826	No	0.336	1.086
22	23	22	15	773.398	0.001	0.288	Free Surface	1.354	23%	12%	0.287	0.208	0.53	2.49	No	0.287	1.354
23	10	23	12	1,528.30	0.002	0.207	Free Surface	1.434	24%	13%	0.239	0.187	0.615	1.649	Yes	0.263	1.254
30	31	30	12	1,717.90	0.002	0.157	Free Surface	1.251	22%	10%	0.216	0.162	0.566	1.525	No	0.216	1.251
31	32	31	12	1,183.43	0.002	0.157	Free Surface	1.234	22%	11%	0.218	0.162	0.555	1.497	No	0.218	1.234
32	40	32	12	1,000.08	0.008	0.126	Free Surface	1.981	14%	4%	0.135	0.145	1.144	3.206	Yes	0.177	1.345
40	41	40	12	1,939.82	0.006	0.126	Free Surface	1.808	14%	5%	0.144	0.145	1.011	2.814	No	0.144	1.808
50	50	162	24	1,134.37	0.001	0.163	Pressurized	1.242	9%	2%	0.172	0.138	0.64	10.687	Yes	2	0.052
051E	52	41	8	2,875.00	0.001	0.078	Free Surface	0.97	28%	17%	0.188	0.127	0.466	0.452	Yes	0.36	0.406
160	160	WW_E	24	733.65	0.001	0.163	Free Surface	1.117	9%	2%	0.186	0.138	0.554	9.173	No	0.186	1.117
161	161	160	24	204.825	0.001	0.163	Free Surface	1.058	10%	2%	0.192	0.138	0.515	8.495	No	0.192	1.058
162	162	161	24	2,088.02	0.008	0.163	Free Surface	2.351	6%	1%	0.112	0.138	1.507	26.709	Yes	0.152	1.494
A6	A6	20	15	378.49	0.002	0.157	Free Surface	1.711	13%	4%	0.16	0.152	0.911	4.485	No	0.16	1.711

Static Loading Manhole Results at Average Daily Flow

ID	Rim Elevation (ft)	Base Flow (cfs)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
10	761.068	0.000	747.140	Not Full	Yes	-0.761	13.928
11	761.813	0.207	748.716	Not Full	No	-0.817	13.097
20	732.150	0.000	714.527	Not Full	No	-0.843	17.623
21	754.117	0.000	740.687	Not Full	No	-1.096	13.430
22	757.671	0.000	742.507	Not Full	No	-0.914	15.164
23	756.643	0.081	743.930	Not Full	No	-0.963	12.713
30	756.502	0.000	746.197	Not Full	No	-0.889	10.305
31	758.799	0.000	749.432	Not Full	No	-0.784	9.367
32	770.293	0.030	751.511	Not Full	Yes	-0.782	18.782
40	767.433	0.000	759.485	Not Full	No	-0.865	7.948
41	776.805	0.048	771.533	Not Full	No	-0.856	5.272
50	764.544	0.163	758.372	Not Full	No	9.002	6.172
52	779.000	0.078	775.188	Not Full	No	-0.479	3.812
160	760.819	0.000	741.046	Not Full	No	-1.814	19.773
161	764.225	0.000	741.322	Not Full	Yes	-1.808	22.903
162	767.185	0.000	758.372	Not Full	No	-1.888	8.813
A6	728.490	0.000	715.490	Not Full	Yes	-1.090	13.000

Static Lift Station and Force Main Results at Average Daily Flow

ID	Wet Well Grade (ft)	Pump Flow (cfs)	Head Increase (ft)	Power (hp)	Chamber Grade (ft)	Force Main Dia. (in)	Length (ft)	Total Flow (cfs)	Velocity (ft/s)	Headloss (ft)
EAST	740	1.671	48.338	9.164	750.637	10	13,520.00	0.163	3.064	37.505
MAIN	714.5	2.295	85.65	22.3	750.784	10	1,540.82	0.444	4.208	13.661

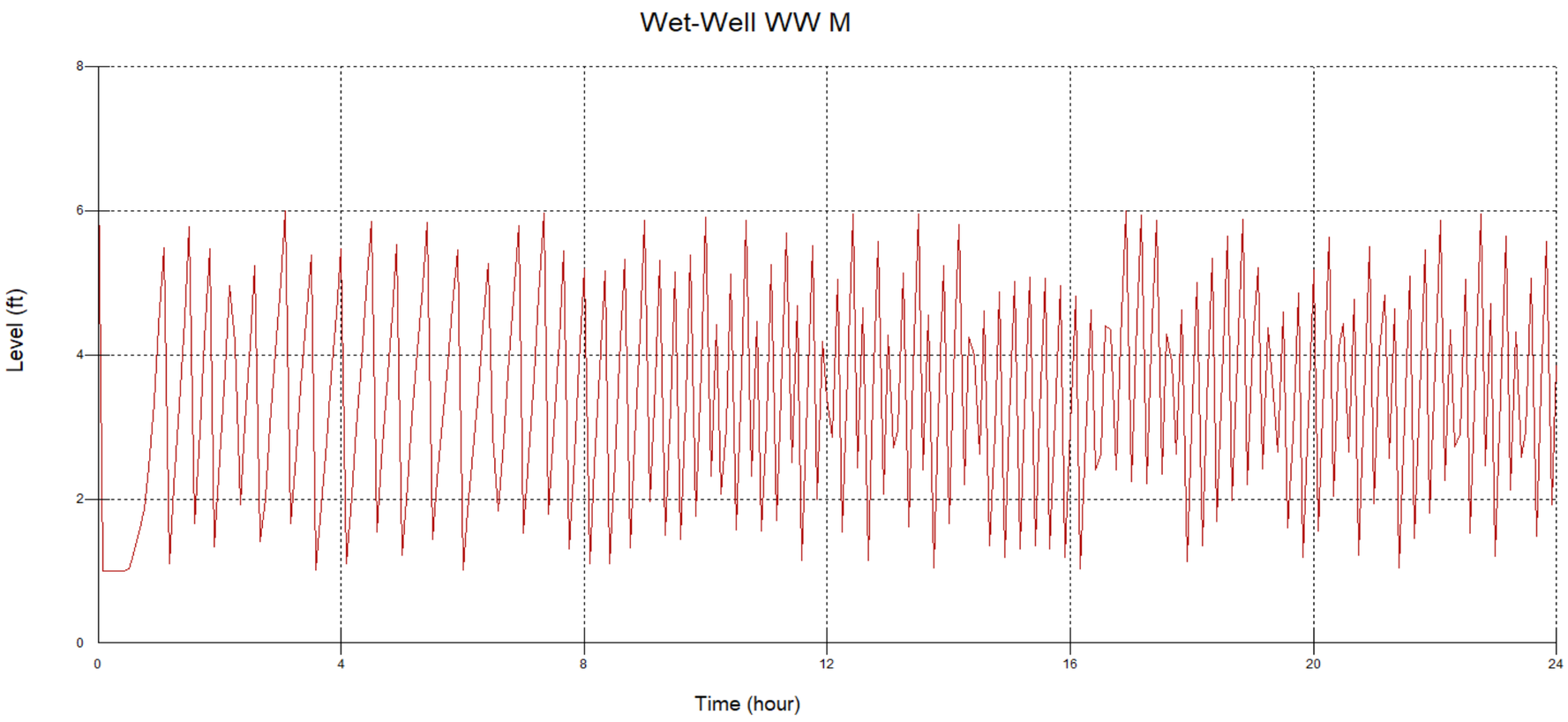
Extended Period Simulation Range Gravity Main Results at Average Daily Flow

ID	From ID	To ID	Maximum Flow (cfs)	Maximum Flow Time (hour)	Maximum Velocity (ft/s)	Maximum Water Depth (ft)	Maximum Froude Number	Maximum d/D	Maximum Overflow (cfs)	Maximum Adjusted Depth (ft)	Maximum Adjusted d/D	Maximum Adjusted Velocity (ft/s)	Maximum q/Q	Maximum Critical Depth (ft)
1	20	WW_M	0.587	22:50 hr	2.663	0.294	1.029	24%	-4.239	1.25	100%	2.663	0.122	0.299
2	30	A6	0.206	23:08 hr	3.571	0.126	2.138	13%	-5.829	0.126	13%	3.571	0.034	0.186
10	11	10	0.281	22:04 hr	2.3	0.213	1.05	21%	-2.553	1	100%	1.952	0.099	0.218
20	21	20	0.386	22:40 hr	3.642	0.177	1.841	14%	-8.585	0.177	14%	3.642	0.043	0.241
21	22	21	0.386	22:38 hr	1.18	0.39	0.392	31%	-1.44	0.39	31%	1.18	0.211	0.241
22	23	22	0.386	22:24 hr	1.473	0.333	0.533	27%	-2.104	0.333	27%	1.473	0.155	0.241
23	10	23	0.28	22:18 hr	1.565	0.279	0.617	28%	-1.369	0.305	31%	1.332	0.17	0.218
30	31	30	0.206	23:06 hr	1.354	0.248	0.569	25%	-1.319	0.248	25%	1.354	0.135	0.186
31	32	31	0.206	22:50 hr	1.336	0.25	0.559	25%	-1.291	0.25	25%	1.336	0.137	0.186
32	40	32	0.168	22:41 hr	2.156	0.155	1.16	16%	-3.039	0.203	20%	0.213	0.052	0.168
40	41	40	0.168	22:35 hr	1.967	0.166	1.024	17%	-2.647	0.166	17%	1.967	0.06	0.168
50	50	162	0.221	22:07 hr	1.361	0.199	0.651	10%	-10.466	2	100%	0.385	0.021	0.16
51	52	41	0.106	22:26 hr	1.056	0.219	0.466	33%	-0.346	0.387	58%	0.302	0.234	0.148
160	160	WW_E	0.221	22:21 hr	1.223	0.214	0.564	11%	-8.952	0.214	11%	1.223	0.024	0.16
161	161	160	0.221	22:14 hr	1.16	0.222	0.524	11%	-8.274	0.222	11%	1.16	0.026	0.16
162	162	161	0.221	22:13 hr	2.578	0.129	1.537	7%	-26.487	0.176	9%	0.07	0.008	0.16
A6	A6	20	0.206	23:10 hr	1.856	0.182	0.923	15%	-4.28	0.182	15%	1.856	0.046	0.175

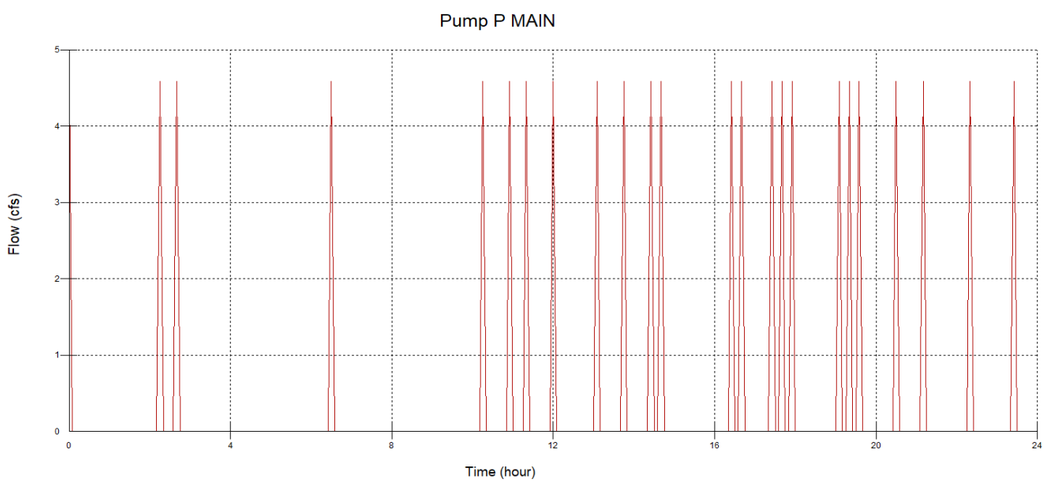
Extended Period Simulation Range Loading Manhole Results at Average Daily Flow

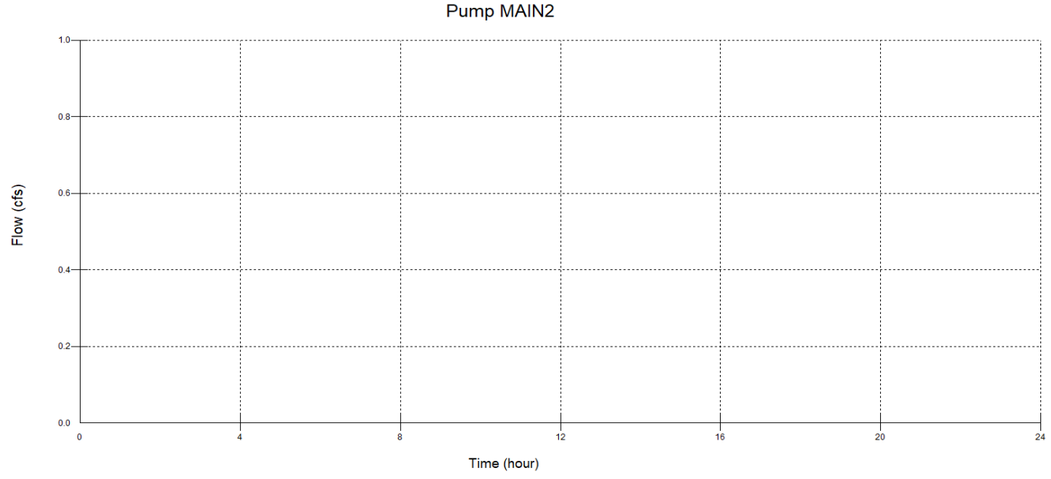
ID	Maximum Grade (ft)	Maximum Grade Time (hour)	Load (cfs)	Status	Depth (ft)	Surcharge Depth (ft)	Unfilled Depth (ft)
10	747.18	22:20 hr	0	Not Full	3.537	-0.721	13.888
11	748.746	22:05 hr	0.278	Not Full	0.213	-0.787	13.067
20	714.5	00:00 hr	0	Not Full	0.38	-0.87	17.65
21	740.71	22:40 hr	0	Not Full	0.177	-1.073	13.407
22	742.561	22:40 hr	0	Not Full	0.39	-0.86	15.11
23	743.976	22:25 hr	0.105	Not Full	0.333	-0.917	12.667
30	746.212	23:10 hr	0	Not Full	0.126	-0.874	10.29
31	749.464	23:05 hr	0	Not Full	0.248	-0.752	9.335
32	751.543	22:50 hr	0.037	Not Full	0.25	-0.75	18.75
40	759.505	22:40 hr	0	Not Full	0.155	-0.845	7.928
41	771.555	22:35 hr	0.061	Not Full	0.555	-0.834	5.25
50	758.39	22:15 hr	0.215	Not Full	11.02	9.02	6.154
52	775.219	22:25 hr	0.101	Not Full	0.219	-0.447	3.781
160	741.074	22:20 hr	0	Not Full	0.214	-1.786	19.745
161	741.352	22:15 hr	0	Not Full	0.222	-1.778	22.873
162	758.389	22:15 hr	0	Not Full	12.509	-1.871	8.796
A6	715.512	23:10 hr	0	Not Full	0.182	-1.068	12.978

REGIONAL MAIN LIFT STATION

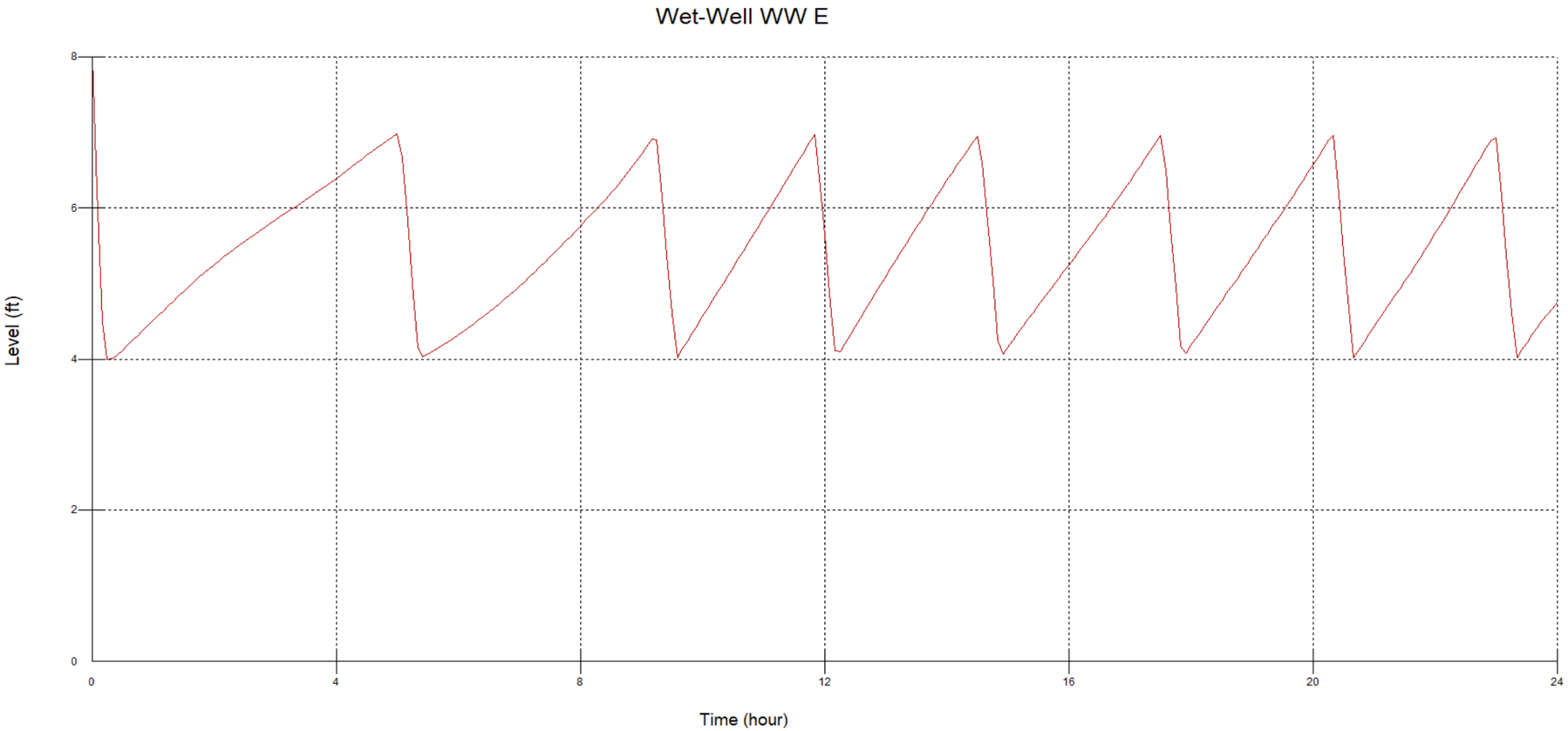


AVERAGE DAILY FLOW (GPM)	184.75
PEAK HOUR FLOW (MGD)	0.6651
PUMP CAPACITY (GPM)	2060
PUMP CAPACITY (MGD)	2.9664
% CAPACITY AT PEAK HOUR	22.42%

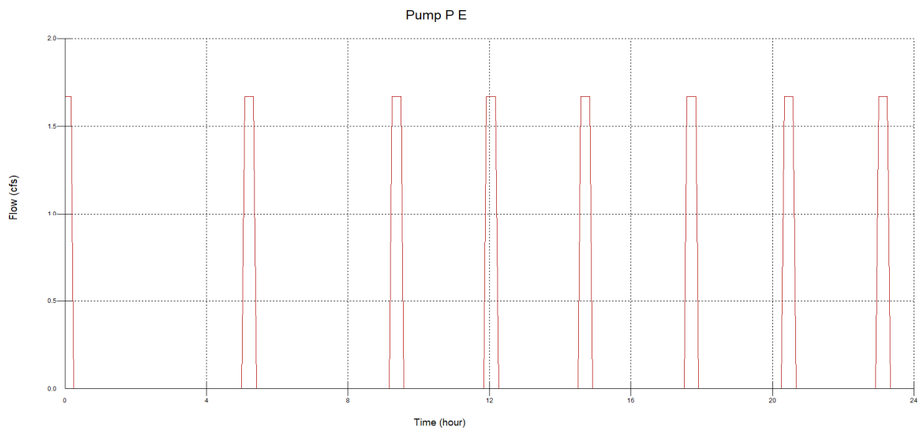


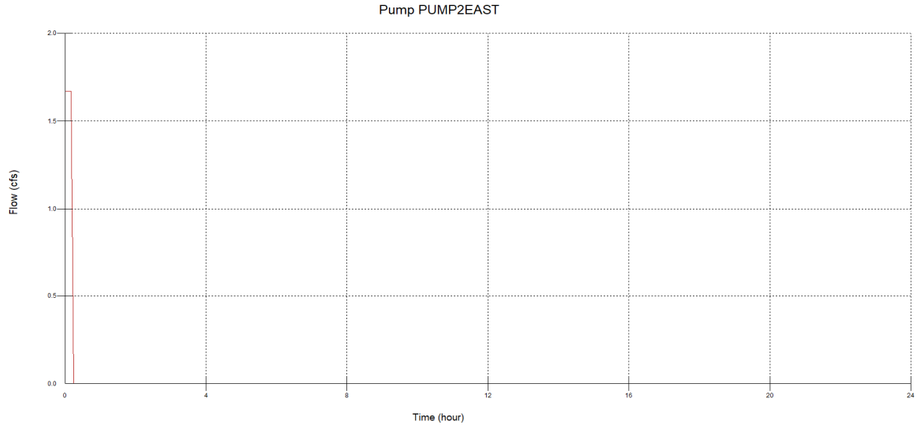


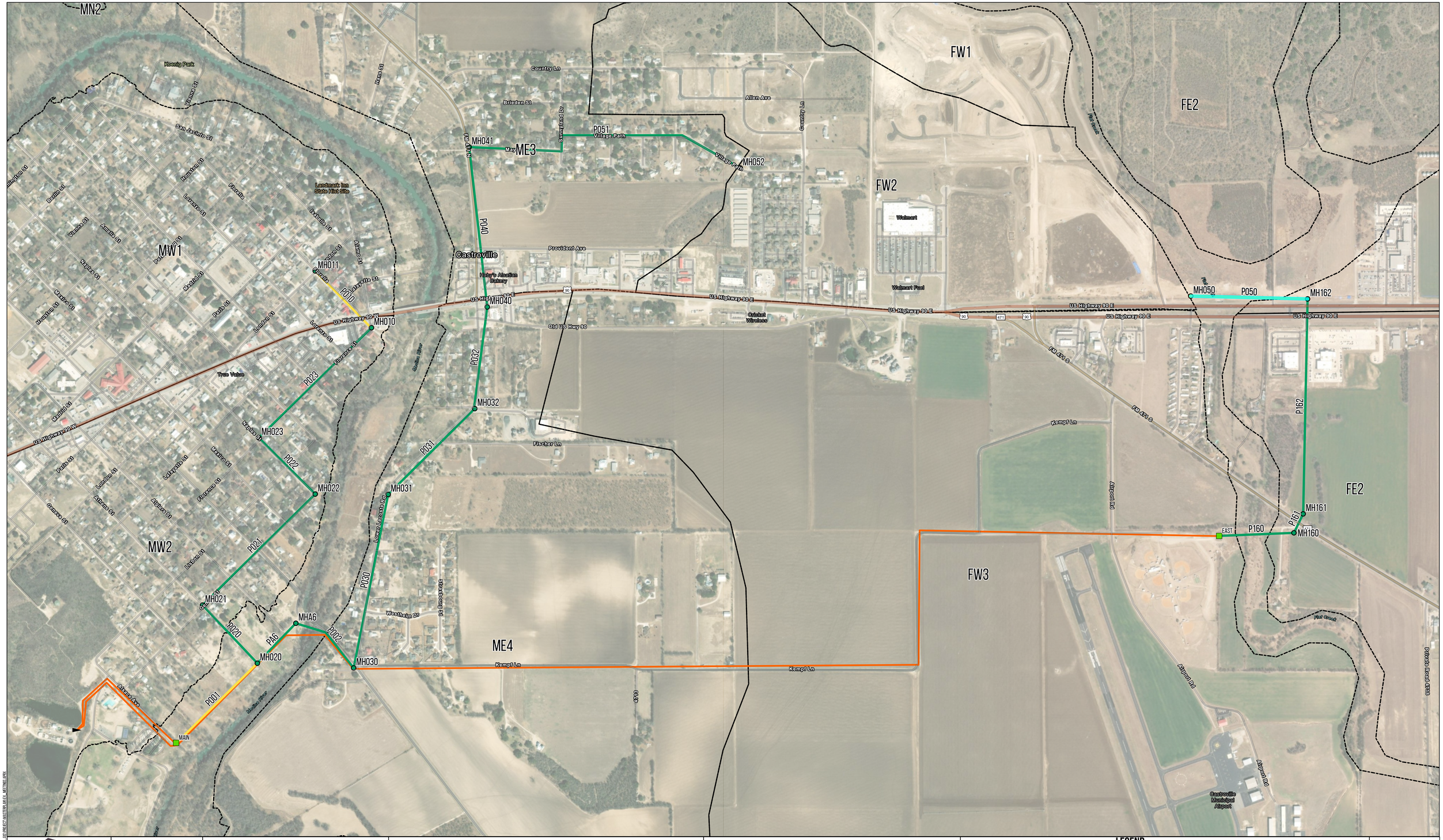
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AVERAGE DAILY FLOW (GPM)	75.5
PEAK HOUR FLOW (MGD)	0.2718
PUMP CAPACITY (GPM)	1500
PUMP CAPACITY (MGD)	2.16
% CAPACITY AT PEAK HOUR	12.58%







PROJECT NAME:	WATER & WASTEWATER MASTER PLAN
PROJECT NO.:	W0143-W015
DRAWN BY:	MARIA.AGUILAR
CHECKED BY:	DARYL.SPILLMAN

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CASTROVILLE
The Little Alsace of Texas

CITY OF CASTROVILLE

WATER & WASTEWATER MASTER PLAN

EXISTING SEWER SYSTEM

AVERAGE EXTENDED PERIOD SIMULATION RESULTS

LEGEND

- SEWER SHED
- STUDY AREA
- TREATMENT PLANT
- LIFT STATION

MANHOLE STATUS AT AVERAGE FLOW DURING EXTENDED PERIOD SIMULATION
- FREE FLOW
- SURCHARGE

GRAVITY MAIN STATUS AT AVERAGE FLOW DURING EXTENDED PERIOD SIMULATION
- FREE FLOW

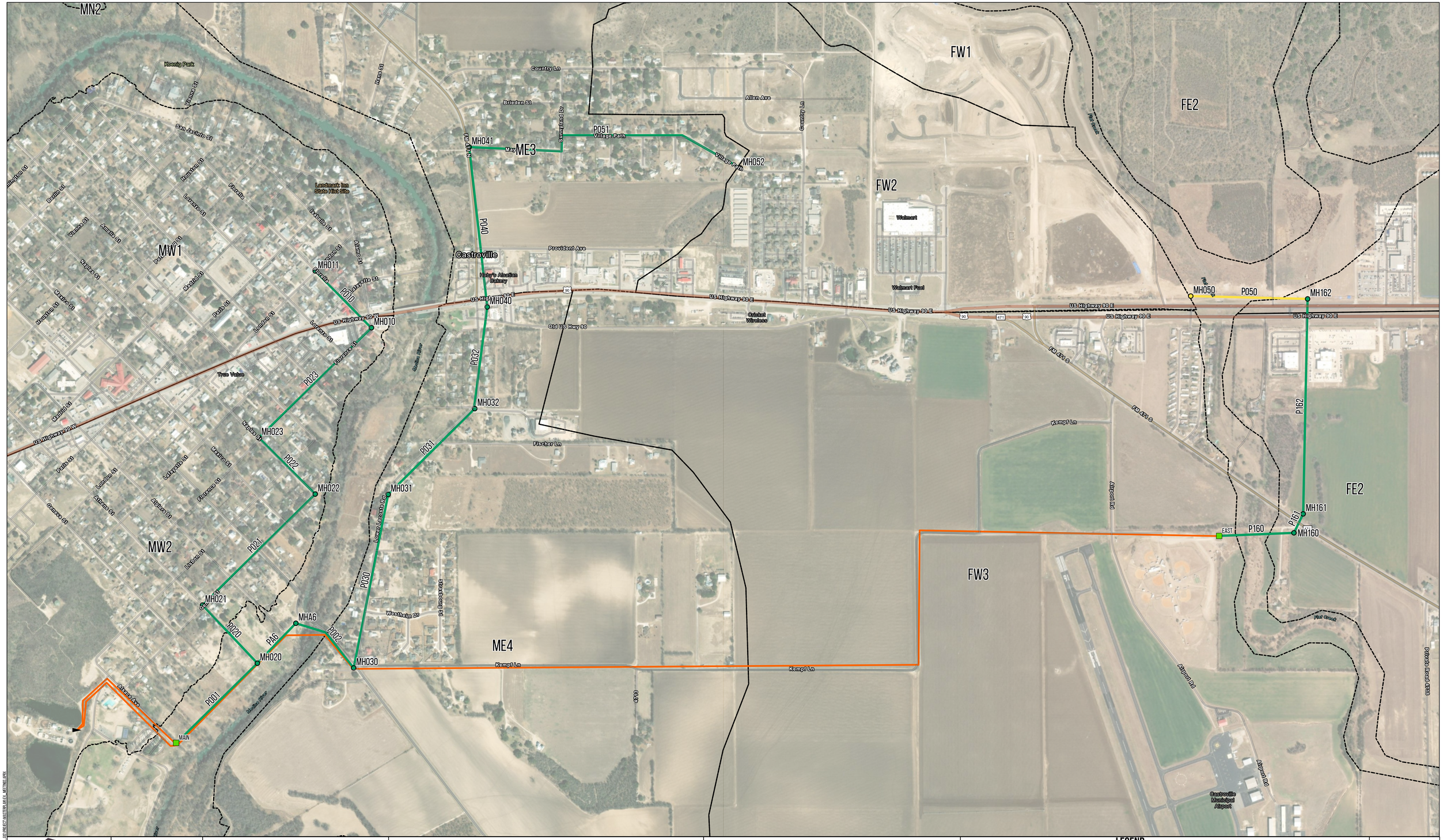
- PRESSURE
- FORCE MAIN

N

1 INCH = 400 FT

0 200 400 Feet

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PROJECT NAME:	WATER & WASTEWATER MASTER PLAN
PROJECT NO.:	W0143-W015
DRAWN BY:	MARIA.AGUILAR
CHECKED BY:	DARYL.SPILLMAN

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CITY OF CASTROVILLE

WATER & WASTEWATER MASTER PLAN

EXISTING SEWER SYSTEM

AVERAGE STATIC RESULTS

LEGEND

- SEWER SHED
- STUDY AREA
- TREATMENT PLANT
- LIFT STATION

MANHOLE STATUS AT AAVERAGE FLOW DURING STATIC CONDITIONS
- FREE FLOW
- SURCHARGE

GRAVITY MAIN STATUS AT AVERAGE FLOW DURING STATIC CONDITIONS
- FREE FLOW
- PRESSURE

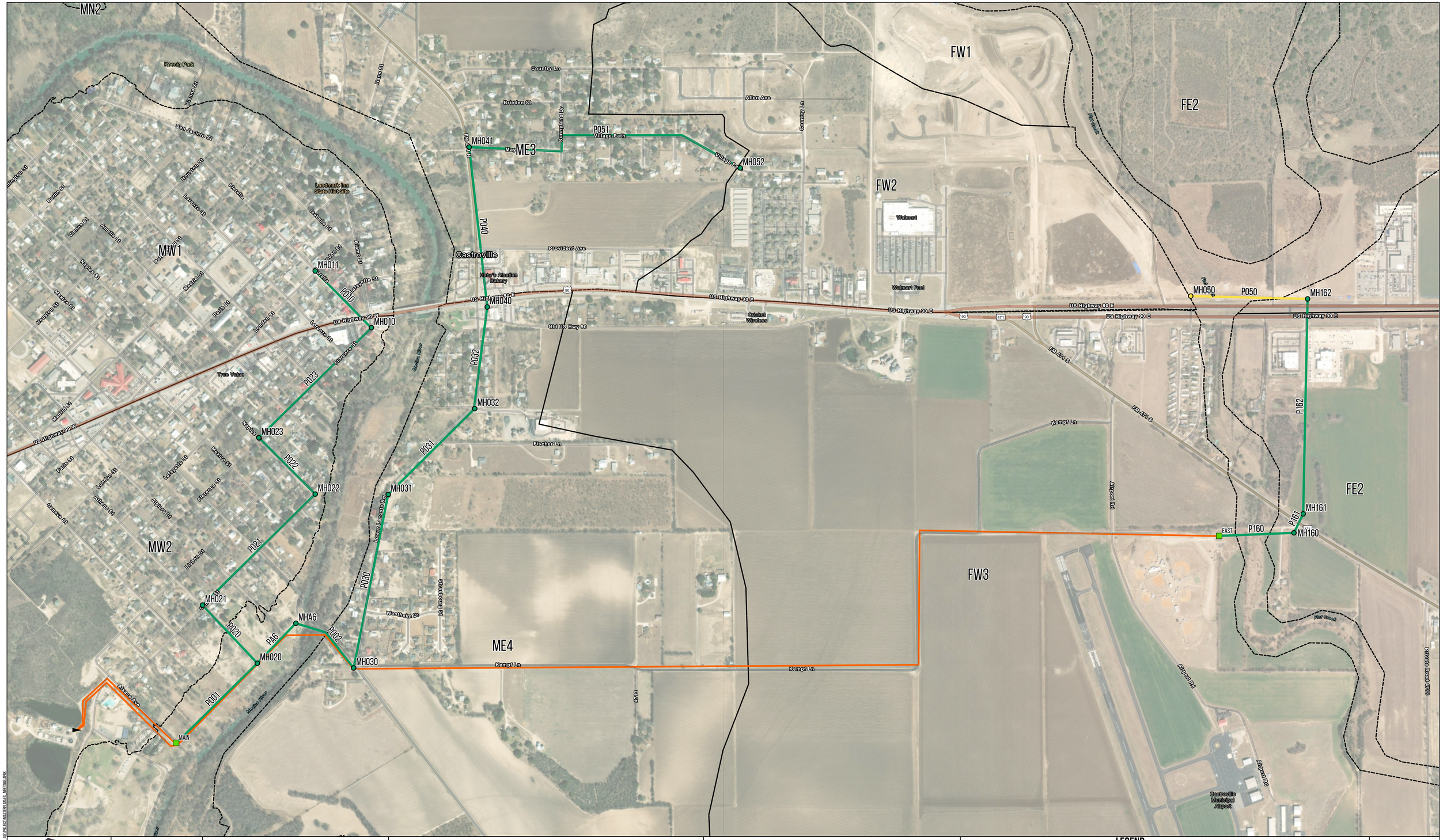
- FORCE MAIN

N

1 INCH = 400 FT

0 200 400 Feet

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PROJECT NAME:	WATER & WASTEWATER MASTER PLAN
PROJECT NO.:	W0143-W015
DRAWN BY:	MARIA.AGUILAR
CHECKED BY:	DARYL.SPILLMAN

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WATER & WASTEWATER MASTER PLAN

EXISTING SEWER SYSTEM

PEAK STATIC RESULTS

LEGEND

- SEWER SHED
- STUDY AREA
- TREATMENT PLANT
- LIFT STATION

MAHOLE STATUS AT PEAK FLOW DURING STATIC CONDITIONS
- FREE FLOW
- SURCHARGE

GRAVITY MAIN STATUS AT PEAK FLOW DURING STATIC CONDITIONS
- FREE FLOW

- PRESSURE
- FORCE MAIN

N

1 INCH = 400 FT

0 200 400 Feet

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Proposed Subdivision Sewershed Distribution

Sewershed	Total LUEs Added	Alsatian Oaks Phase 2	Cobblestone	DeCock Farms	Haby Tract	Jagge Ranch	Victory Lane	Misc City of Castroville LUEs
FE1	969	769				200		
FE2 (NORTH)	775					600	175	
FE2 (SOUTH)	761			761				
FW1	715							715
FW2	60							60
FW3	1320	20	1300					
ME3	400				123			277
Total Subdivision LUEs	**5000**	**789**	**1300**	**761**	**123**	**800**	**175**	**1052**

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Proposed LUE Calculation

Sewershed	Existing LUEs	from Proposed Subdivisions	Total Proposed LUEs	Average Flow (gpm)	Average Flow (gpm)	Corresponding InfoSewer Loading Manhole
FE1		889	889	111.125	277.813	MH 071
FE2 (NORTH)	1	875	876	109.500	273.750	MH 165
FE2 (SOUTH)		761	761	95.125	237.813	MH 164
FW1		715	715	89.375	223.438	MH 062
FW2	163	57	220	27.500	68.750	MH 051
FW2 (AO1)	586		586	73.250	183.125	MH 050
FW3	17	1300	1317	164.625	411.563	MH 190
ME3	172	403	575	71.875	179.688	MH 041
ME4	109		109	13.625	34.063	MH 032
MW1	743		743	92.875	232.188	MH 011
MW2	291		291	36.375	90.938	MH 023
		Totals	7082	885.25	2213.125	

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Static Loading Manhole Results at Peak Flow

ID	Rim Elevation (ft)	Base Flow (cfs)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
10	761.068	0	747.286	Not Full	Yes	-0.615	13.782
11	761.813	0.517	748.822	Not Full	No	-0.711	12.991
20	732.15	0	714.722	Not Full	Yes	-0.648	17.428
21	754.117	0	740.772	Not Full	No	-1.011	13.345
22	757.671	0	742.716	Not Full	No	-0.705	14.955
23	756.643	0.203	744.103	Not Full	No	-0.79	12.54
30	756.502	0	746.304	Not Full	No	-0.782	10.198
31	758.799	0	749.664	Not Full	No	-0.552	9.135
32	770.293	0.076	751.745	Not Full	Yes	-0.548	18.548
40	767.433	0	759.631	Not Full	No	-0.719	7.802
41	776.805	0.398	771.69	Not Full	No	-0.699	5.115
50	764.544	0.408	758.674	Not Full	Yes	9.304	5.87
51	775	0.155	772.3	Not Full	No	5.05	2.7
60	767.686	0	759.828	Not Full	No	3.142	7.858
61	769.407	0	760.33	Not Full	No	0.839	9.077
62	804.779	0.498	785.052	Not Full	No	-0.394	19.727
70	772.095	0	762.599	Not Full	No	-0.663	9.496
71	791.956	0.675	772.317	Not Full	No	-0.306	19.639
160	760.819	0	741.596	Not Full	No	-1.264	19.223
161	764.225	0	741.897	Not Full	Yes	-1.233	22.328
162	767.185	0	758.641	Not Full	No	-1.619	8.544
164	759.723	0.53	751.27	Not Full	No	-0.703	8.453
165	821.781	0.54	802.059	Not Full	No	-0.389	19.722
166	770.991	0	763.419	Not Full	No	-1.238	7.572
190	776.009	0.931	756.304	Not Full	No	-1.205	19.705
A6A	726.72	0	715.712	Not Full	Yes	-0.868	11.008

Static Lift Station and Force Main Results at Peak Flow

ID	From ID	Wet Well Grade (ft)	Flow (cfs)	Head Increase (ft)	Power (hp)	Grade (ft)	Diameter (in)	Length (ft)	Total Flow (cfs)	Velocity (ft/s)	Headloss (ft)
EAST	LS_E	740	4.59	96.676	26.034	904.275	10	13,520.00	3.582	6.127	135.393
MAIN	LS_M	714.5	3.342	99.988	18.328	764.494	10	1,540.82	1.349	8.415	49.317

ALL PUMPS ON; DETAILS OF EACH'S STATUS

LIFT STATION	PUMP #	FLOW (CFS)	HEAD INCREASE (FT)	POWER (HP)
EAST	1	2.295	49.994	13.017
	2	2.295	49.994	13.017
MAIN	1	1.671	48.338	9.164
	2	1.671	48.338	9.164

Static Loading Manhole Results at Average Daily Flow

ID	Rim Elevation (ft)	Base Flow (cfs)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
10	761.068	0	747.14	Not Full	Yes	-0.761	13.928
11	761.813	0.207	748.716	Not Full	No	-0.817	13.097
20	732.15	0	714.582	Not Full	Yes	-0.788	17.568
21	754.117	0	740.687	Not Full	No	-1.096	13.43
22	757.671	0	742.507	Not Full	No	-0.914	15.164
23	756.643	0.081	743.93	Not Full	No	-0.963	12.713
30	756.502	0	746.225	Not Full	No	-0.861	10.277
31	758.799	0	749.491	Not Full	No	-0.725	9.308
32	770.293	0.03	751.57	Not Full	Yes	-0.723	18.723
40	767.433	0	759.528	Not Full	No	-0.822	7.905
41	776.805	0.159	771.579	Not Full	No	-0.81	5.226
50	764.544	0.163	758.51	Not Full	Yes	9.14	6.034
51	775	0.062	771.676	Not Full	No	4.427	3.324
60	767.686	0	758.694	Not Full	No	2.008	8.992
61	769.407	0	758.769	Not Full	No	-0.722	10.638
62	804.779	0.199	784.948	Not Full	No	-0.498	19.831
70	772.095	0	762.473	Not Full	No	-0.789	9.622
71	791.956	0.27	772.172	Not Full	No	-0.45	19.784
160	760.819	0	741.319	Not Full	No	-1.541	19.5
161	764.225	0	741.607	Not Full	Yes	-1.523	22.618
162	767.185	0	758.504	Not Full	No	-1.756	8.681
164	759.723	0.212	751.161	Not Full	No	-0.812	8.562
165	821.781	0.216	801.953	Not Full	No	-0.495	19.828
166	770.991	0	763.325	Not Full	No	-1.332	7.666
190	776.009	0.372	756.198	Not Full	No	-1.311	19.811
A6A	726.72	0	715.571	Not Full	Yes	-1.009	11.149

Static Lift Station and Force Main Results at Peak Flow

ID	From ID	Wet Well Grade (ft)	Flow (cfs)	Head Increase (ft)	Power (hp)	Grade (ft)	Diameter (in)	Length (ft)	Total Flow (cfs)	Velocity (ft/s)	Headloss (ft)
EAST	LS_E	740	1.671	48.338	9.164	778.432	10	13,520	1.433	3.064	37.505
MAIN	LS_M	714.5	2.295	49.994	13.017	751.166	10	1,541	0.54	4.208	13.661

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Static Gravity Main Results at Peak Flow

ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (cfs)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth (ft)	Critical Depth (ft)	Froude Number	Full Flow (cfs)	Backwater Adjustment	Adjusted Depth (ft)	Adjusted Velocity (ft/s)
1	20	WW_M	15	1,172.41	0.002	1.349	Free Surface	2.309	48%	47%	0.602	0.459	0.595	2.881	Yes	1.25	1.1
2	30	A6A	12	712.63	0.029	0.629	Free Surface	4.974	22%	10%	0.218	0.33	2.239	6.034	No	0.218	4.974
10	11	10	12	777.179	0.006	0.517	Free Surface	2.745	29%	18%	0.289	0.298	1.061	2.834	Yes	1	0.659
20	21	20	15	775.842	0.019	0.72	Free Surface	4.382	19%	8%	0.239	0.332	1.89	8.971	No	0.239	4.382
21	22	21	15	1,535.79	0.001	0.72	Free Surface	1.4	44%	39%	0.545	0.332	0.383	1.826	No	0.545	1.4
22	23	22	15	773.398	0.001	0.72	Free Surface	1.756	37%	29%	0.46	0.332	0.531	2.49	No	0.46	1.756
23	10	23	12	1,528.30	0.002	0.517	Free Surface	1.858	39%	31%	0.385	0.298	0.612	1.649	Yes	0.422	1.64
30	31	30	12	1,717.90	0.002	0.629	Free Surface	1.849	45%	41%	0.448	0.33	0.557	1.525	No	0.448	1.849
31	32	31	12	1,183.43	0.002	0.629	Free Surface	1.823	45%	42%	0.452	0.33	0.546	1.497	No	0.452	1.823
32	40	32	12	1,000.08	0.008	0.554	Free Surface	3.057	28%	17%	0.281	0.309	1.201	3.206	Yes	0.367	2.12
40	41	40	12	1,939.82	0.006	0.554	Free Surface	2.784	30%	20%	0.301	0.309	1.054	2.814	No	0.301	2.784
50	50	162	24	1,134.37	0.001	1.58	Pressurized	2.437	26%	15%	0.52	0.435	0.706	10.687	Yes	2	0.503
51	51	41	8	3,702.00	0.002	0.155	Pressurized	1.329	37%	29%	0.246	0.18	0.549	0.536	Yes	0.667	0.445
60	60	50	12	1,801.79	0.005	1.172	Pressurized	3.704	42%	37%	0.424	0.456	1.153	3.136	Yes	1	1.493
61	61	60	12	783.76	0.004	1.172	Pressurized	3.387	45%	42%	0.453	0.456	1.012	2.778	Yes	1	1.493
62	62	61	8	2,404.22	0.008	0.498	Free Surface	3.698	41%	35%	0.273	0.33	1.438	1.414	No	0.273	3.698
70	70	61	12	1,068.47	0.004	0.675	Free Surface	2.902	34%	25%	0.337	0.342	1.031	2.759	Yes	1	0.859
71	71	70	8	1,716.08	0.006	0.675	Free Surface	3.502	54%	57%	0.361	0.387	1.146	1.184	No	0.361	3.502
160	160	WW_E	24	733.65	0.001	2.651	Free Surface	2.526	37%	29%	0.736	0.567	0.604	9.173	No	0.736	2.526
161	161	160	24	204.83	0.001	2.651	Free Surface	2.389	38%	31%	0.767	0.567	0.557	8.495	No	0.767	2.389
162	162	161	24	2,088.02	0.008	2.121	Free Surface	5.08	19%	8%	0.381	0.506	1.737	26.709	Yes	0.574	2.844
164	164	161	12	2,789.85	0.004	0.53	Free Surface	2.711	30%	19%	0.297	0.302	1.033	2.758	Yes	0.532	1.247
165	165	166	8	3,906.40	0.009	0.54	Free Surface	3.92	42%	36%	0.278	0.345	1.509	1.486	No	0.278	3.92
166	166	162	18	1,378.93	0.004	0.54	Free Surface	2.615	17%	7%	0.262	0.272	1.082	8.159	Yes	0.321	1.947
190	190	WW_E	18	2,445.23	0.006	0.931	Free Surface	3.797	20%	8%	0.295	0.359	1.475	11.027	No	0.295	3.797
195	A6A	20	15	378.49	0.002	0.629	Free Surface	1.983	0.305	0.203	0.382	0.31	0.666	3.105	No	0.382	1.983

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Static Gravity Main Results at Average Daily Flow

ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (cfs)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth (ft)	Critical Depth (ft)	Froude Number	Full Flow (cfs)	Backwater Adjustment	Adjusted Depth (ft)	Adjusted Velocity (ft/s)
1	20	WW_M	15	1,172.41	0.002	0.54	Free Surface	1.799	29%	19%	0.367	0.286	0.618	2.881	Yes	1.25	0.44
2	30	A6A	12	712.63	0.029	0.252	Free Surface	3.794	14%	4%	0.139	0.206	2.16	6.034	No	0.139	3.794
10	11	10	12	777.179	0.006	0.207	Free Surface	2.103	18%	7%	0.183	0.187	1.039	2.834	Yes	1	0.263
20	21	20	15	775.842	0.019	0.288	Free Surface	3.337	12%	3%	0.154	0.208	1.813	8.971	No	0.154	3.337
21	22	21	15	1,535.79	0.001	0.288	Free Surface	1.086	27%	16%	0.336	0.208	0.391	1.826	No	0.336	1.086
22	23	22	15	773.398	0.001	0.288	Free Surface	1.354	23%	12%	0.287	0.208	0.53	2.49	No	0.287	1.354
23	10	23	12	1,528.30	0.002	0.207	Free Surface	1.434	24%	13%	0.239	0.187	0.615	1.649	Yes	0.263	1.254
30	31	30	12	1,717.90	0.002	0.252	Free Surface	1.435	28%	17%	0.275	0.206	0.571	1.525	No	0.275	1.435
31	32	31	12	1,183.43	0.002	0.252	Free Surface	1.416	28%	17%	0.277	0.206	0.56	1.497	No	0.277	1.416
32	40	32	12	1,000.08	0.008	0.221	Free Surface	2.341	18%	7%	0.178	0.193	1.174	3.206	Yes	0.228	1.646
40	41	40	12	1,939.82	0.006	0.221	Free Surface	2.136	19%	8%	0.19	0.193	1.035	2.814	No	0.19	2.136
50	50	162	24	1,134.37	0.001	0.632	Pressurized	1.864	17%	6%	0.33	0.273	0.687	10.687	Yes	2	0.201
51	51	41	8	3,702.00	0.002	0.062	Pressurized	1.024	23%	12%	0.153	0.113	0.549	0.536	Yes	0.667	0.178
60	60	50	12	1,801.79	0.005	0.469	Pressurized	2.869	26%	15%	0.261	0.284	1.172	3.136	Yes	1	0.597
61	61	60	12	783.76	0.004	0.469	Free Surface	2.632	28%	17%	0.278	0.284	1.04	2.778	Yes	1	0.597
62	62	61	8	2,404.22	0.008	0.199	Free Surface	2.861	25%	14%	0.169	0.205	1.455	1.414	No	0.169	2.861
70	70	61	12	1,068.47	0.004	0.27	Free Surface	2.232	21%	10%	0.211	0.214	1.022	2.759	Yes	0.245	1.812
71	71	70	8	1,716.08	0.006	0.27	Free Surface	2.747	33%	23%	0.216	0.24	1.221	1.184	No	0.216	2.747
160	160	WW_E	24	733.65	0.001	1.06	Free Surface	1.948	23%	12%	0.459	0.355	0.603	9.173	No	0.459	1.948
161	161	160	24	204.83	0.001	1.06	Free Surface	1.844	24%	13%	0.477	0.355	0.56	8.495	No	0.477	1.844
162	162	161	24	2,088.02	0.008	0.848	Free Surface	3.869	12%	3%	0.244	0.317	1.666	26.709	Yes	0.361	2.199
164	164	161	12	2,789.85	0.004	0.212	Free Surface	2.079	19%	8%	0.188	0.189	1.014	2.758	Yes	0.332	0.929
165	165	166	8	3,906.40	0.009	0.216	Free Surface	3.035	26%	15%	0.172	0.214	1.531	1.486	No	0.172	3.035
166	166	162	18	1,378.93	0.004	0.216	Free Surface	1.99	11%	3%	0.168	0.171	1.035	8.159	Yes	0.206	1.476
190	190	WW_E	18	2,445.23	0.006	0.372	Free Surface	2.892	13%	3%	0.189	0.225	1.417	11.027	No	0.189	2.892
195	A6A	20	15	378.49	0.002	0.252	Free Surface	1.522	0.193	0.081	0.241	0.194	0.654	3.105	No	0.241	1.522

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Extended Period Simulation Range Gravity Main Results at Average Daily Flow

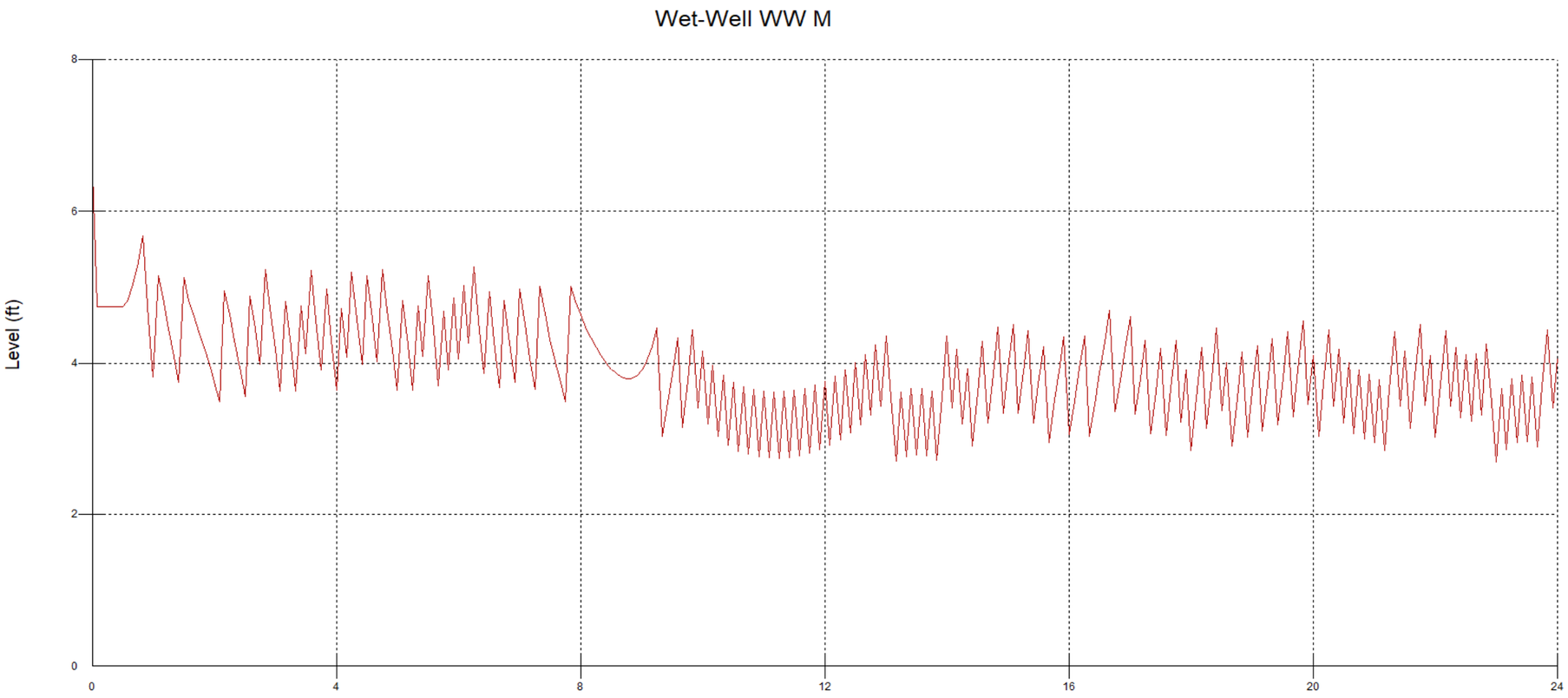
ID	From ID	To ID	Maximum Flow (cfs)	Maximum Flow Time (hour)	Maximum Velocity (ft/s)	Maximum Water Depth (ft)	Maximum Froude Number	Maximum d/D	Maximum Overflow (cfs)	Maximum Adjusted Depth (ft)	Maximum Adjusted d/D	Maximum Adjusted Velocity (ft/s)	Maximum q/Q	Maximum Critical Depth (ft)
1	20	WW_M	0.714	22:56 hr	1.947	0.424	0.618	34%	-2.167	1.25	100%	1.947	0.248	0.33
2	30	A6A	0.332	22:47 hr	4.121	0.159	2.188	16%	-5.702	0.159	16%	4.119	0.055	0.238
10	11	10	0.281	22:04 hr	2.3	0.213	1.05	21%	-2.553	1	100%	1.952	0.099	0.218
20	21	20	0.386	22:40 hr	3.642	0.177	1.841	14%	-8.585	0.177	14%	3.642	0.043	0.241
21	22	21	0.386	22:38 hr	1.18	0.39	0.392	31%	-1.44	0.39	31%	1.18	0.211	0.241
22	23	22	0.386	22:24 hr	1.473	0.333	0.533	27%	-2.104	0.333	27%	1.473	0.155	0.241
23	10	23	0.28	22:18 hr	1.565	0.279	0.617	28%	-1.369	0.305	31%	1.332	0.17	0.218
30	31	30	0.332	22:45 hr	1.553	0.317	0.571	32%	-1.193	0.317	32%	1.553	0.218	0.238
31	32	31	0.332	22:29 hr	1.532	0.32	0.561	32%	-1.164	0.32	32%	1.532	0.222	0.238
32	40	32	0.293	22:18 hr	2.542	0.204	1.185	20%	-2.914	0.262	26%	1.968	0.091	0.223
40	41	40	0.293	22:12 hr	2.318	0.218	1.044	22%	-2.521	0.218	22%	2.317	0.104	0.223
50	50	162	0.843	22:38 hr	2.029	0.38	0.695	19%	-9.844	2	100%	1.146	0.079	0.316
51	51	41	0.084	22:34 hr	1.117	0.178	0.552	27%	-0.452	0.667	100%	0.24	0.157	0.132
60	60	50	0.635	22:31 hr	3.128	0.305	1.175	31%	-2.501	1	100%	0.807	0.202	0.332
61	61	60	0.635	22:20 hr	2.868	0.325	1.041	33%	-2.143	1	100%	0.808	0.229	0.332
62	62	61	0.27	22:15 hr	3.121	0.197	1.459	30%	-1.144	0.197	30%	3.121	0.191	0.24
70	70	61	0.366	22:17 hr	2.438	0.246	1.029	25%	-2.393	0.39	39%	2.072	0.133	0.25
71	71	70	0.366	22:10 hr	2.989	0.254	1.222	38%	-0.818	0.254	38%	2.988	0.309	0.281
160	160	WW_E	1.407	22:49 hr	2.114	0.529	0.606	27%	-7.766	0.529	27%	2.113	0.153	0.41
161	161	160	1.407	22:43 hr	2.001	0.551	0.562	28%	-7.088	0.551	28%	2.001	0.166	0.41
162	162	161	1.133	22:43 hr	4.219	0.281	1.691	14%	-25.575	0.416	21%	0.36	0.042	0.367
164	164	161	0.287	22:16 hr	2.272	0.218	1.023	22%	-2.471	0.382	38%	0.365	0.104	0.22
165	165	166	0.293	22:24 hr	3.31	0.201	1.534	30%	-1.194	0.201	30%	3.31	0.197	0.25
166	166	162	0.293	22:32 hr	2.179	0.194	1.052	13%	-7.867	0.237	16%	1.843	0.036	0.199
190	190	WW_E	0.505	22:09 hr	3.168	0.219	1.438	15%	-10.522	0.219	15%	3.166	0.046	0.263
195	A6A	20	0.332	22:50 hr	1.65	0.276	0.66	0.221	-2.773	0.276	0.221	1.65	0.107	0.223

Extended Period Simulation Range Manhole Results at Average Daily Flow

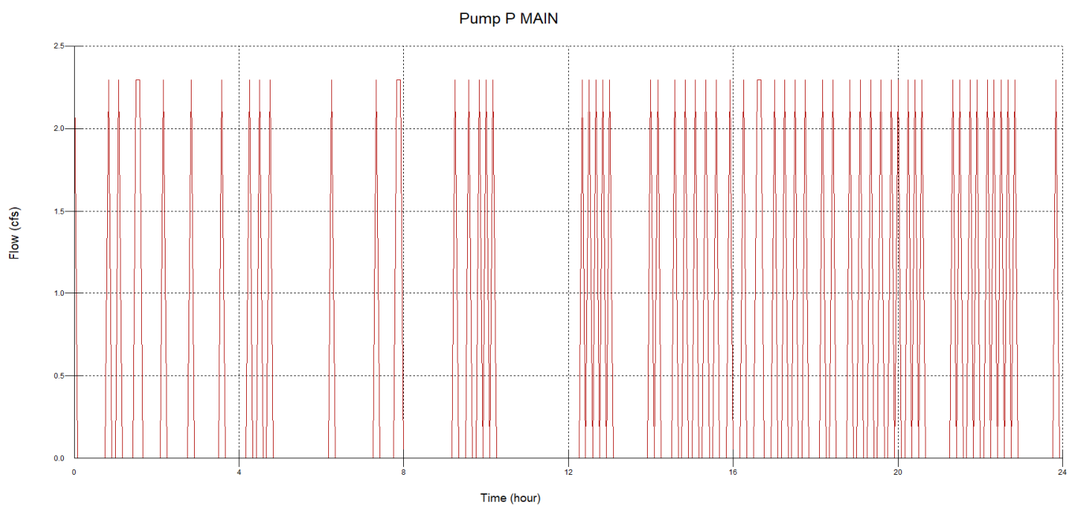
ID	Maximum Grade (ft)	Maximum Grade Time (hour)	Load (cfs)	Status	Depth (ft)	Surcharge Depth (ft)	Unfilled Depth (ft)
10	747.18	22:20 hr	0	Not Full	3.537	-0.721	13.888
11	748.746	22:05 hr	0.278	Not Full	0.213	-0.787	13.067
20	714.544	22:55 hr	0	Not Full	0.424	-0.826	17.606
21	740.71	22:40 hr	0	Not Full	0.177	-1.073	13.407
22	742.561	22:40 hr	0	Not Full	0.39	-0.86	15.11
23	743.976	22:25 hr	0.105	Not Full	0.333	-0.917	12.667
30	746.245	22:50 hr	0	Not Full	0.159	-0.841	10.257
31	749.533	22:45 hr	0	Not Full	0.317	-0.683	9.266
32	751.613	22:30 hr	0.039	Not Full	0.32	-0.68	18.68
40	759.554	22:20 hr	0	Not Full	0.204	-0.796	7.879
41	771.607	22:15 hr	0.21	Not Full	12.257	-0.782	5.198
50	758.55	22:40 hr	0.205	Not Full	11.18	9.18	5.994
51	771.783	22:35 hr	0.079	Not Full	5.2	4.534	3.217
60	758.885	22:30 hr	0	Not Full	3.199	2.199	8.801
61	759.028	22:30 hr	0	Not Full	0.537	-0.463	10.379
62	784.976	22:15 hr	0.263	Not Full	0.197	-0.469	19.803
70	762.508	22:15 hr	0	Not Full	0.246	-0.754	9.587
71	772.21	22:10 hr	0.36	Not Full	0.254	-0.412	19.746
160	741.389	22:50 hr	0	Not Full	0.529	-1.471	19.43
161	741.68	22:45 hr	0	Not Full	0.55	-1.45	22.545
162	758.541	22:45 hr	0	Not Full	12.661	-1.719	8.644
164	751.191	22:15 hr	0.28	Not Full	0.218	-0.782	8.532
165	801.982	22:25 hr	0.28	Not Full	0.201	-0.466	19.799
166	763.351	22:30 hr	0	Not Full	0.194	-1.306	7.64
190	756.227	22:10 hr	0.496	Not Full	0.218	-1.282	19.782
A6A	715.606	22:50 hr	0	Not Full	0.276	-0.974	11.114

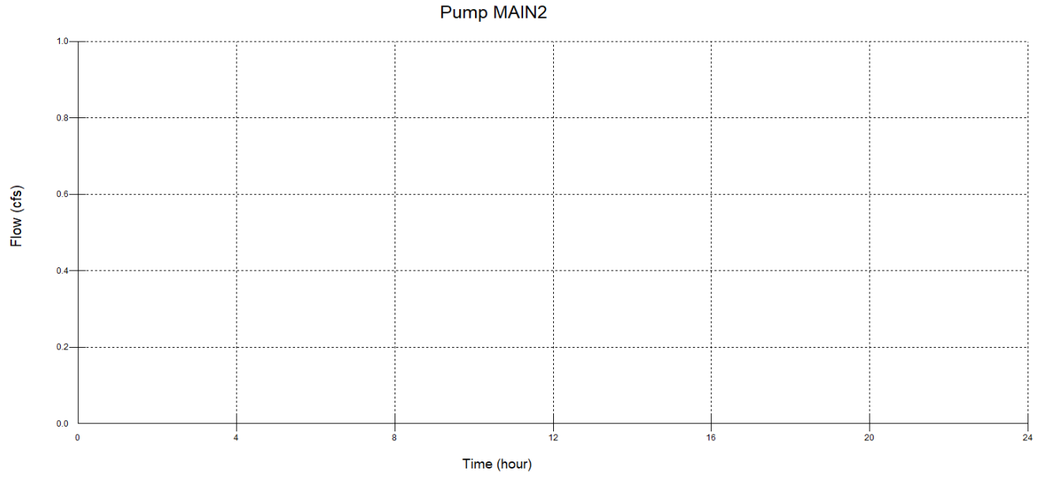
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REGIONAL MAIN LIFT STATION



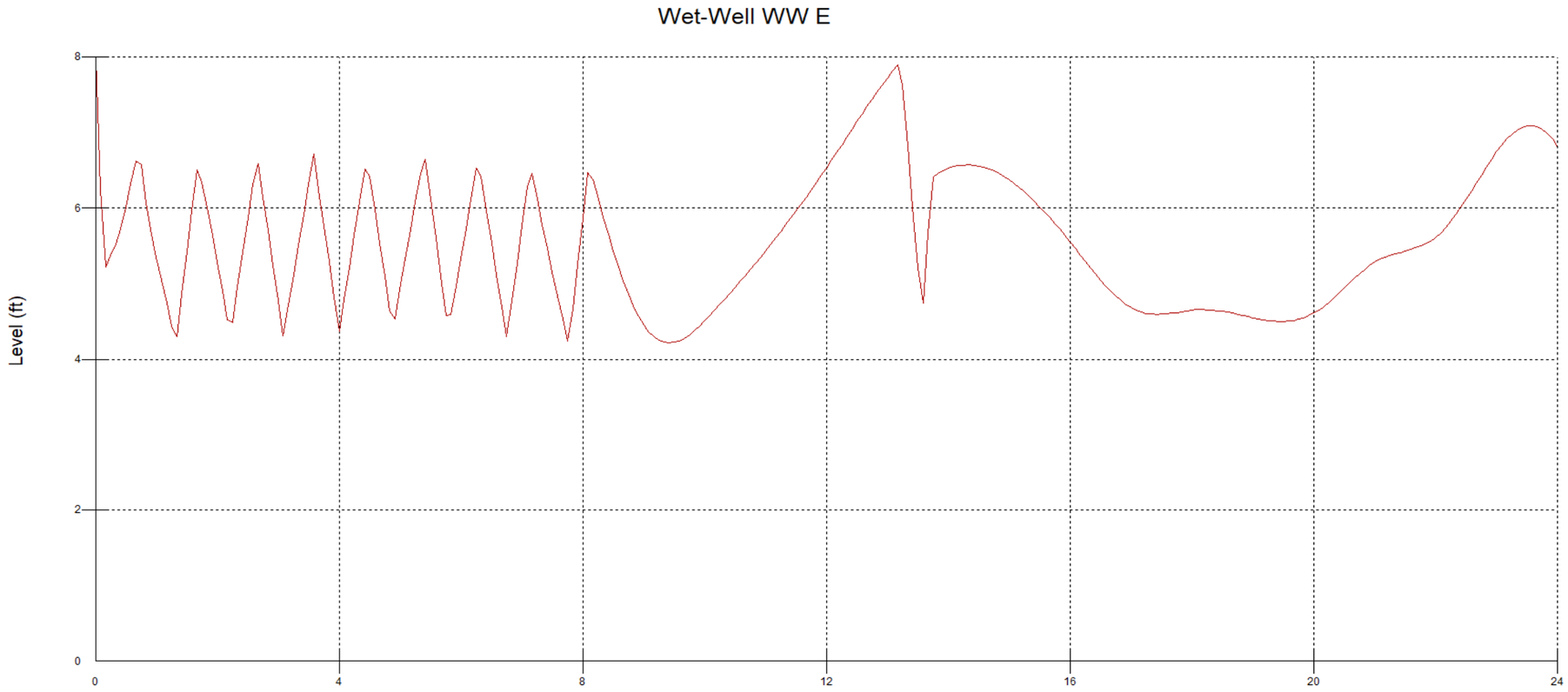
AVERAGE DAILY FLOW (GPM)	242.25
PEAK HOUR FLOW (MGD)	0.8721
PUMP CAPACITY (GPM)	2060
PUMP CAPACITY (MGD)	2.9664
% CAPACITY AT PEAK HOUR	29.40%



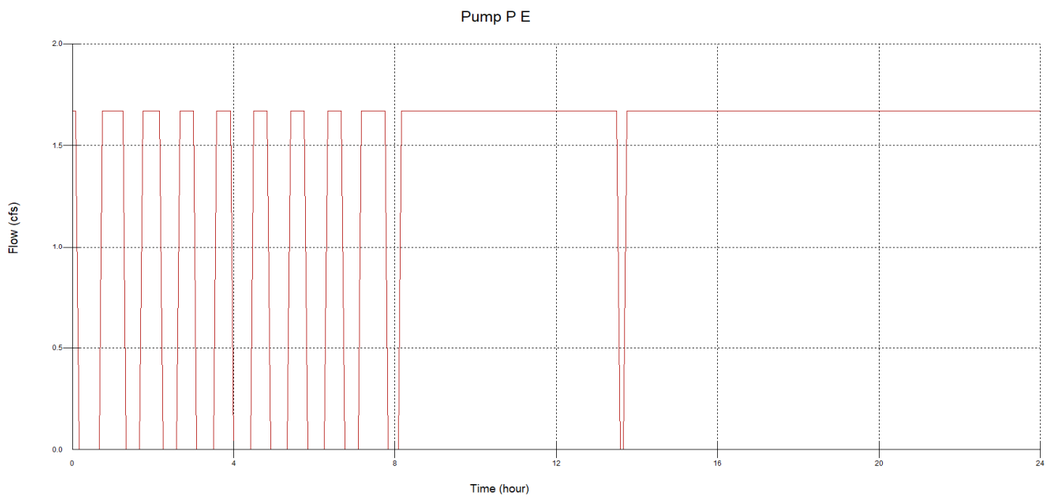


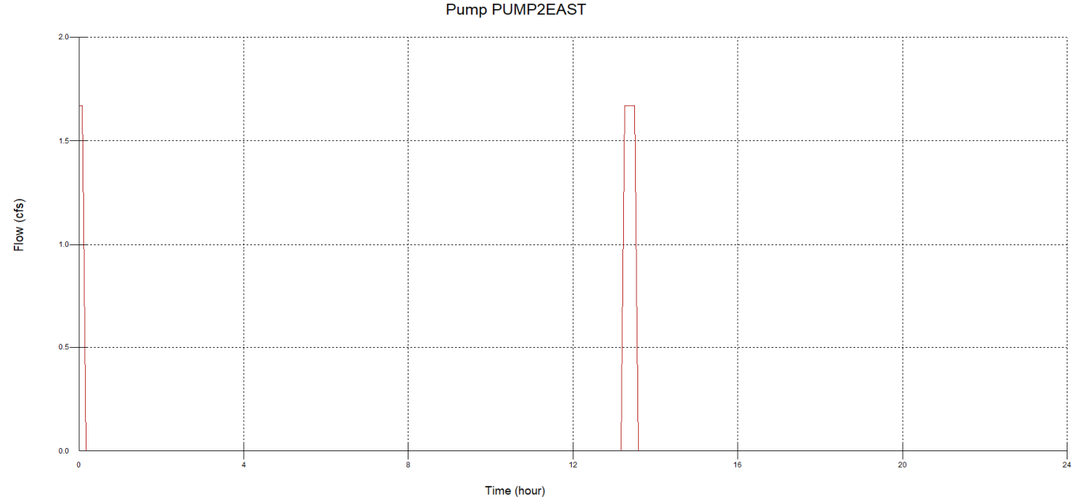
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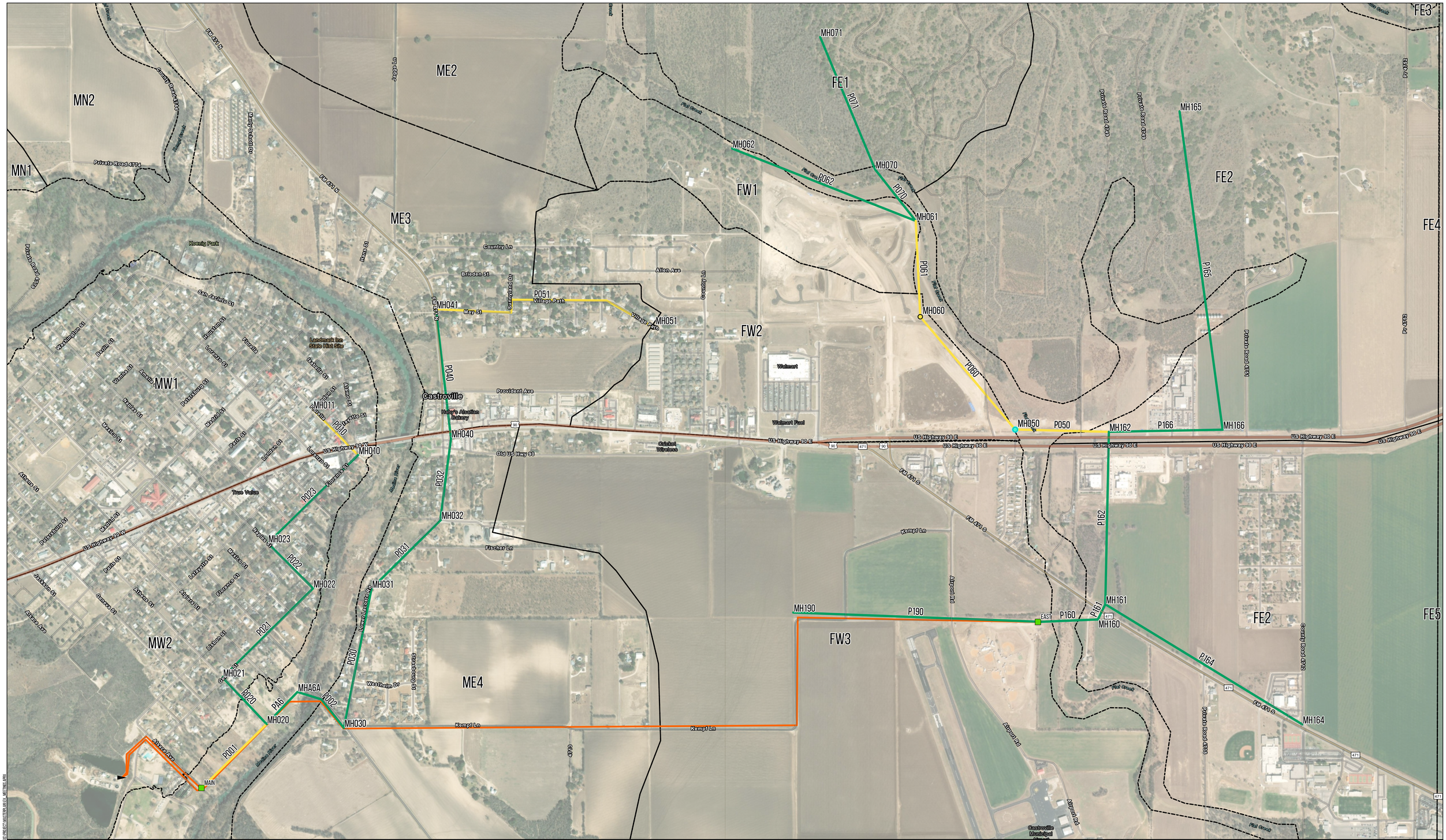
EAST SIDE LIFT STATION

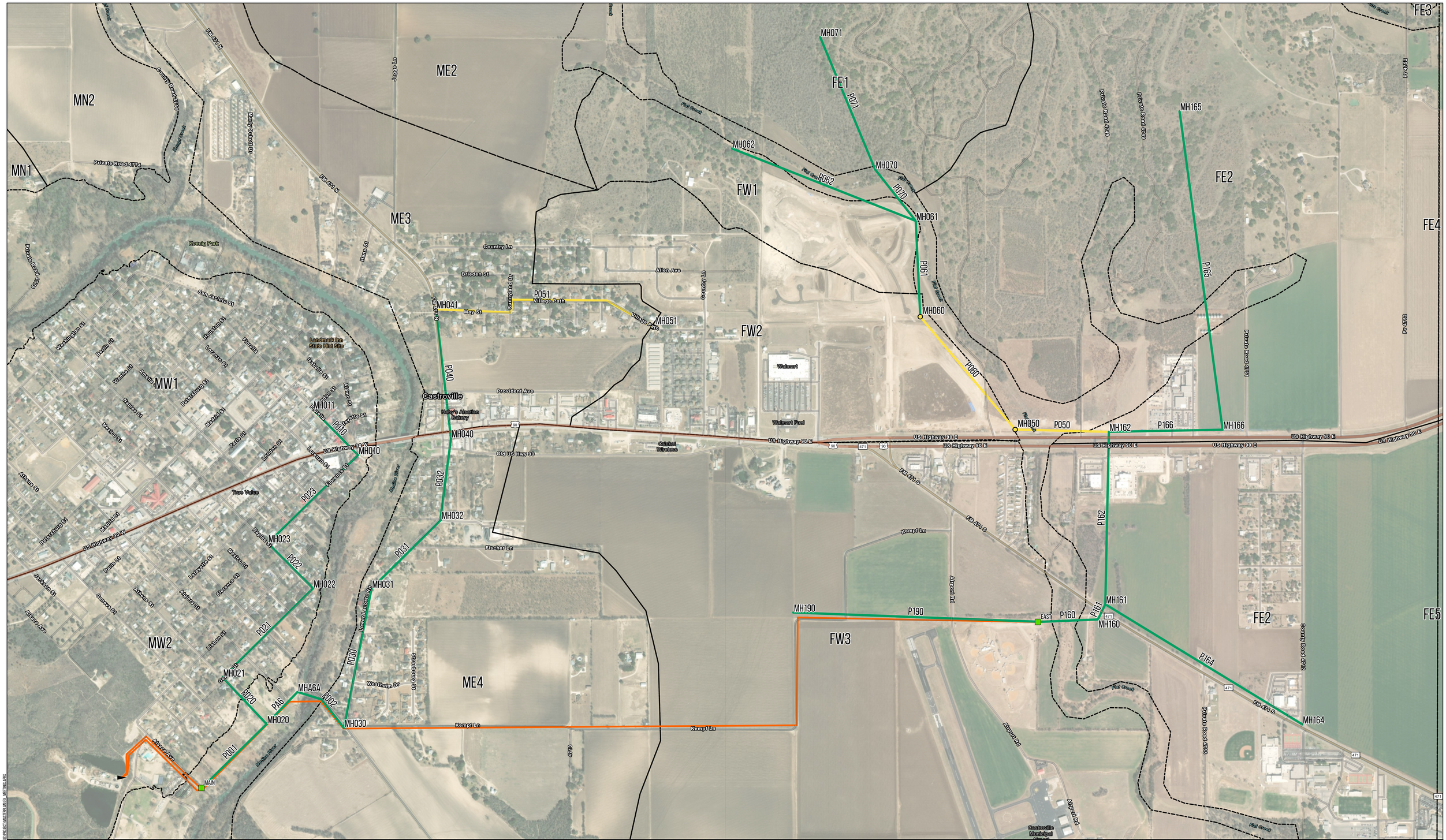


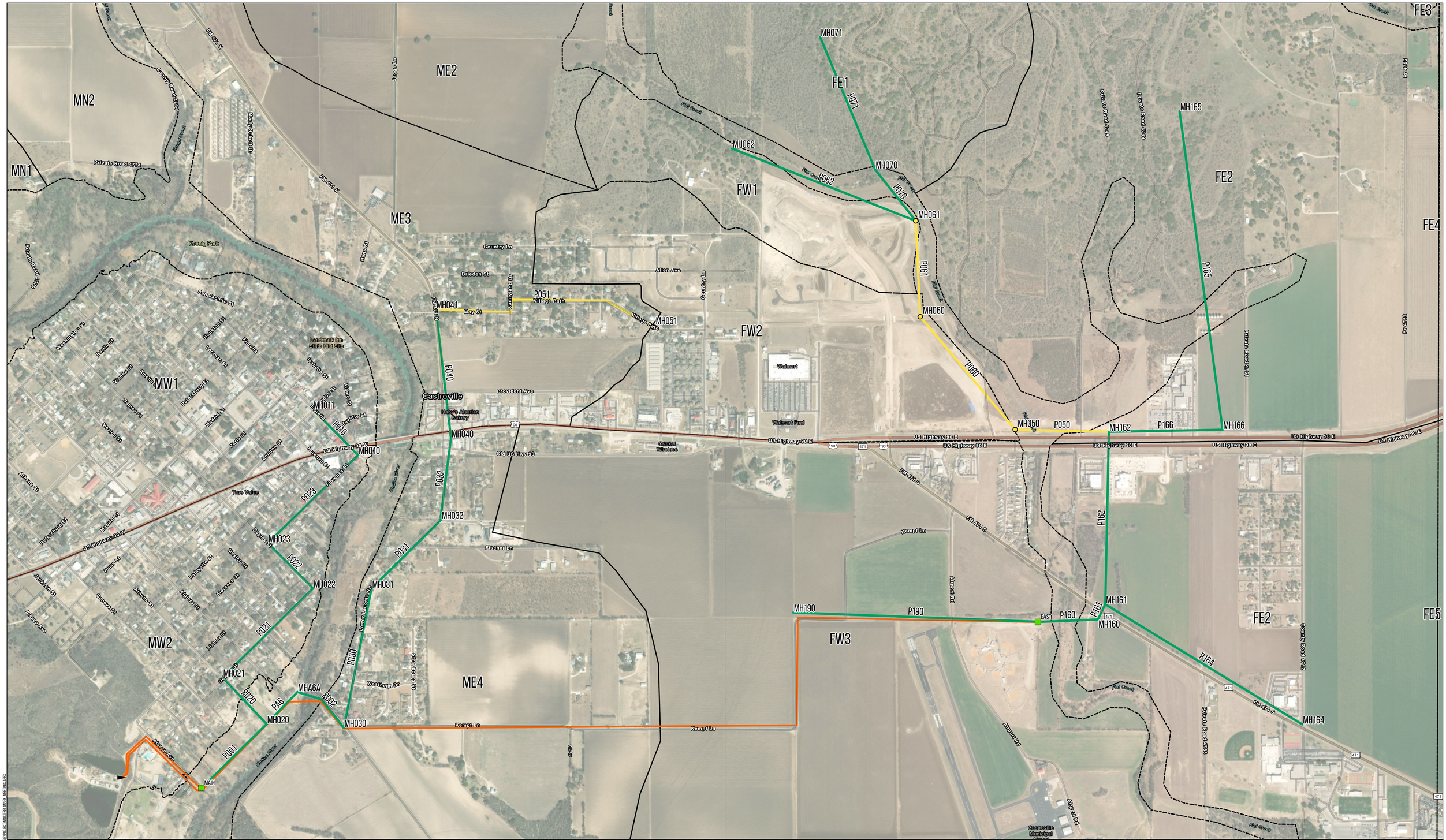
AVERAGE DAILY FLOW (GPM)	643
PEAK HOUR FLOW (MGD)	2.3148
PUMP CAPACITY (GPM)	1500
PUMP CAPACITY (MGD)	2.16
% CAPACITY AT PEAK HOUR	107.17%






MN1
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P001
MAIN
EAST
US Highway 90 E
Old US Hwy 90
FM 471 N
FM 471 S
Castroville
Country Ln
Allen Ave
Briedon St
May St
Village Path
Summerland Dr
Kamp Ln
Fischer Ln
Airport Rd
Provident Ave
Walmart
Walmart Fuel
Cricket Wireless
Landmark Inn State Hist Site
Keenig Park
Henry's Alsatian Bakery
Castroville Municipal Airport
Private Road 4774
Private Road 4776
Private Road 4778
Private Road 4779
Private Road 4780
Private Road 4783
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Castroville
Country Ln
Briedon St
Allen Ave
Village Path
May St
Sunnyland Dr
Kerr St
Keenig Park
Landmark Inn State Hist Site
Provident Ave
Walmart
Walmart Fuel
Cricket Wireless
Old US Hwy 90
US Highway 90 E
US Highway 90 W
Fischer Ln
Kompf Ln
Airport Rd
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Private Road 4776
Private Road 4778
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Private Road 4789
Private Road 4793
Pr 4792
Pr 4793
FM 471 N
FM 471 S
Hondo River
Seguin Ave
Jungo Ln
Mary Seton Dr
Zunker Branch
Flat Creek
Medina River
Two Value
Florence St
Lux Ave
Lux Ln
Lux Ln St
Maxine St
Nyle St
Paris St
Petersburg St
Pruitt St
Rosalie St
Rosella St
Rosita St
Rudin St
Sabinas St
San Jacinto St
Virginia St
Washington St
Lorenzo St
Jackson St
Arroyo Ave
Atlanta St
Cypress St
Gonzales St
Lillian St
Lucinda St
Mansfield St
Marshall St
Nyle St
Olive St
Pecan


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Stockdorn St
Airport Rd
Alsace Ave
Private Road 4774
Private Road 4776
Private Road 4778
Private Road 4779
Private Road 4780
Private Road 4781
Private Road 4782
Private Road 4783
Private Road 4784
Private Road 4785
Private Road 4786
Private Road 4787
Private Road 4788
Private Road 4789
Private Road 4790
Private Road

Ultimate Land Use Distribution

Sewershed	Total Existing LUEs	Total Proposed LUEs	Land Use Distribution (acres)						Discharge by Land Use (LUEs)						Total Ultimate LUEs	Average Flow (gpm)	Peak Flow (gpm)	Corresponding InfoSewer Loading Manhole
			Commercial	Institutional	Light Industrial	Park Open Space	Residential	Utility	Commercial	Institutional	Light Industrial	Park Open Space	Residential	Utility				
FE1		889	0	0	0	0	541	0	0	0	0	0	1622	0	2,511	313.824	784.561	MH 071
FE2 (NORTH)	1	875	76	0	0	88	541	0	270	0	0	22	1622	0	2,790	348.785	871.962	MH 165
FE2 (SOUTH)		761	99	15	19	69	46	0	350	31	58	17	138	0	1,355	169.319	423.296	MH 164
FE3			0	0	0	74	672	0	0	0	0	18	2015	0	2,034	254.189	635.473	MH 141
FE4			150	44	0	187	2906	0	528	88	0	47	8717	0	9,380	1,172.451	2,931.129	MH 151
FE5			219	0	0	327	1623	0	772	0	0	82	4868	0	5,723	715.329	1,788.323	MH 200
FW1		715	0	0	0	26	9	0	0	0	0	7	27	0	749	93.626	234.066	MH 062
FW2	163	57	3	0	0	4	7	0	9	0	0	1	21	0	251	31.380	78.450	MH 051
FW2 (AO1)	586														586	73.250	183.125	MH 050
FW3	17	1300	52	239	449	105	94	0	185	478	1348	26	283	0	3,637	454.593	1,136.481	MH 190 / MH 193
ME1			0	0	0	10	57	0	0	0	0	2	170	0	172	21.553	53.883	MH 131
ME2			0	0	0	11	1125	0	0	0	0	3	3376	0	3,379	422.332	1,055.831	MH 102
ME3	172	403	24	0	0	26	91	0	85	0	0	6	272	0	939	117.323	293.309	MH 041
ME4	109		0	2	0	169	294	0	0	4	0	42	881	0	1,036	129.540	323.849	MH 032
ME5			0	0	22	672	499	0	0	0	66	168	1497	0	1,730	216.301	540.753	MH 171
MN1			0	0	0	307	1050	0	0	0	0	77	3151	0	3,228	403.512	1,008.780	MH 091
MN2			0	0	0	141	572	0	0	0	0	35	1715	0	1,751	218.821	547.052	MH 090
MN3			0	0	0	167	393	0	0	0	0	42	1178	0	1,220	152.449	381.122	MH112
MN4			0	0	0	67	276	0	0	0	0	17	828	0	845	105.603	264.008	MH 121
MW1	743		16	0	0	0	7	0	56	0	0	0	21	0	820	102.466	256.164	MH 011
MW2	291		5	0	0	0	154	0	17	0	0	0	461	0	770	96.220	240.549	MH 023
MW3			0	0	0	0	169	0	0	0	0	0	508	0	508	63.512	158.780	MH 181
														Totals	45,411	5,676	14,191	

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Static Loading Manhole Results at Peak Flow

ID	Rim Elevation (ft)	Base Flow (cfs)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
10	761.068	0	747.498	Not Full	No	-0.642	13.57
11	761.813	0.571	748.938	Not Full	No	-0.622	12.875
20	732.15	0	714.934	Not Full	Yes	-0.436	17.216
21	754.117	0	740.259	Not Full	No	-0.981	13.858
22	757.671	0	744.435	Not Full	No	-0.635	13.236
23	756.643	0.536	744.576	Not Full	No	-0.494	12.067
30	756.502	0	746.417	Not Full	No	-0.669	10.085
31	758.799	0	749.88	Not Full	No	-0.336	8.919
32	770.293	0.722	752.057	Not Full	Yes	-0.303	18.236
40	767.433	0	759.227	Not Full	No	-0.683	8.206
41	776.805	0.651	765.404	Not Full	No	-0.596	11.401
50	764.544	0.408	750.617	Not Full	Yes	1.247	13.927
51	775	0.177	768.232	Not Full	No	-0.768	6.768
60	767.686	0	756.745	Not Full	No	-0.941	10.941
61	769.407	0.521	759.624	Not Full	No	-0.867	9.783
62	804.779	0	780.597	Not Full	No	-1.182	24.182
70	772.095	0	762.892	Not Full	Yes	-0.37	9.203
71	791.956	1.804	772.507	Not Full	No	-0.449	19.449
90	767.247	1.219	760.861	Not Full	No	5.614	6.386
91	769.759	2.248	766.349	Not Full	No	3.59	3.41
102	830.468	2.352	811.25	Not Full	Yes	-0.218	19.218
110	796.893	0	777.448	Not Full	Yes	-0.445	19.445
111	815.9	0	799.587	Not Full	No	-0.48	16.313
112	824.511	0.849	820.975	Not Full	No	-0.202	3.536
120	812.102	0	808.423	Not Full	Yes	-0.263	3.679
121	887.707	0.588	883.56	Not Full	No	-0.376	4.147

ID	Rim Elevation (ft)	Base Flow (cfs)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
130	842.712	0	836.862	Not Full	No	-0.517	5.85
131	888.274	0.12	882.381	Not Full	No	-0.56	5.893
140	808.99	0	789.499	Not Full	No	-0.491	19.491
141	843.531	1.416	828.434	Not Full	No	4.236	15.097
150	767	5.208	756.451	Not Full	Yes	-0.549	10.549
151	846.311	6.531	834.989	Not Full	No	-1.322	11.322
160	760.819	0	744.06	Not Full	No	1.2	16.759
161	764.225	0	744.71	Not Full	No	1.58	19.515
162	767.185	0	749.194	Not Full	Yes	3.374	17.991
163	772.477	0	768.761	Not Full	Yes	-0.466	3.716
164	759.723	0.943	754.805	Not Full	No	3.165	4.918
165	821.781	1.873	802.282	Not Full	No	-0.499	19.499
166	770.991	0	763.752	Not Full	No	-1.405	7.239
170	725.219	0	720.861	Not Full	No	1.642	4.358
171	727.315	1.205	726.894	Not Full	No	5.746	0.421
180	779.434	0	773.586	Not Full	No	-0.848	5.848
181	951.829	0.354	945.941	Not Full	No	-0.555	5.888
190	776.009	0.931	756.489	Not Full	No	-0.187	19.52
193	764.13	1.615	754.337	Not Full	No	9.54	9.793
200	745	3.984	738.656	Not Full	No	6.656	6.344
202	759.5	0	736.036	Not Full	No	-0.464	23.464
204	795.903	0	784.008	Not Full	No	7.758	11.895
205	800	0	790.736	Not Full	No	9.486	9.264
206	812	0	787.799	Not Full	No	-1.201	24.201
208	777	0	753.205	Not Full	No	-0.295	23.795
A6A	728.49	0	715.867	Not Full	Yes	-0.713	12.623

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Static Loading Manhole Results at Average Daily Flow

ID	Rim Elevation (ft)	Base Flow (cfs)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
10	761.068	0	747.362	Not Full	No	-0.778	13.706
11	761.813	0.228	748.794	Not Full	No	-0.766	13.019
20	732.15	0	714.581	Not Full	Yes	-0.789	17.569
21	754.117	0	740.159	Not Full	No	-1.081	13.958
22	757.671	0	744.191	Not Full	No	-0.879	13.48
23	756.643	0.214	744.214	Not Full	No	-0.856	12.429
30	756.502	0	746.281	Not Full	No	-0.805	10.221
31	758.799	0	749.591	Not Full	No	-0.625	9.208
32	770.293	0.289	751.75	Not Full	Yes	-0.61	18.543
40	767.433	0	759.106	Not Full	No	-0.804	8.327
41	776.805	0.261	765.247	Not Full	No	-0.753	11.558
50	764.544	0.163	748.236	Not Full	Yes	-1.134	16.308
51	775	0.071	768.148	Not Full	No	-0.852	6.852
60	767.686	0	756.296	Not Full	No	-1.39	11.39
61	769.407	0.209	759.14	Not Full	No	-1.351	10.267
62	804.779	0	780.268	Not Full	No	-1.511	24.511
70	772.095	0	762.618	Not Full	No	-0.644	9.477
71	791.956	0.721	772.271	Not Full	No	-0.685	19.685
90	767.247	0.488	754.874	Not Full	No	-0.373	12.373
91	769.759	0.899	762.903	Not Full	No	0.144	6.856
102	830.468	0.941	810.881	Not Full	No	-0.587	19.587
110	796.893	0	777.215	Not Full	Yes	-0.678	19.678
111	815.9	0	799.371	Not Full	No	-0.696	16.529
112	824.511	0.34	820.763	Not Full	No	-0.415	3.748
120	812.102	0	808.25	Not Full	Yes	-0.436	3.852
121	887.707	0.235	883.44	Not Full	No	-0.497	4.267

ID	Rim Elevation (ft)	Base Flow (cfs)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
130	842.712	0	836.807	Not Full	No	-0.572	5.905
131	888.274	0.048	882.342	Not Full	No	-0.598	5.932
140	808.99	0	789.288	Not Full	No	-0.702	19.702
141	843.531	0.566	823.861	Not Full	No	-0.336	19.67
150	767	2.083	755.791	Not Full	Yes	-1.209	11.209
151	846.311	2.612	834.721	Not Full	No	-1.59	11.59
160	760.819	0	742.032	Not Full	No	-0.828	18.787
161	764.225	0	742.36	Not Full	No	-0.77	21.865
162	767.185	0	744.85	Not Full	Yes	-0.97	22.335
163	772.477	0	768.539	Not Full	No	-0.688	3.938
164	759.723	0.377	751.277	Not Full	No	-0.363	8.446
165	821.781	0.749	802.068	Not Full	No	-0.713	19.713
166	770.991	0	763.529	Not Full	No	-1.628	7.462
170	725.219	0	718.015	Not Full	No	-1.204	7.204
171	727.315	0.482	720.359	Not Full	No	-0.789	6.956
180	779.434	0	773.531	Not Full	No	-0.903	5.903
181	951.829	0.142	945.897	Not Full	No	-0.599	5.932
190	776.009	0.372	756.265	Not Full	No	-0.41	19.744
193	764.13	0.646	744.464	Not Full	No	-0.333	19.666
200	745	1.594	730.929	Not Full	No	-1.071	14.071
202	759.5	0	735.307	Not Full	No	-1.193	24.193
204	795.903	0	776.651	Not Full	Yes	0.401	19.252
205	800	0	793.406	Not Full	No	12.156	6.594
206	812	0	801.107	Not Full	No	12.107	10.893
208	777	0	752.373	Not Full	No	-1.127	24.627
A6A	728.49	0	715.661	Not Full	Yes	-0.919	12.829

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Static Gravity Main Results at Peak Flow (1/2)

ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (cfs)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth (ft)	Critical Depth (ft)	Froude Number	Full Flow (cfs)	Backwater Adjustment	Adjusted Depth (ft)	Adjusted Velocity (ft/s)
1	20	WW_M	15	1,172.41	0.002	2.657	Free Surface	3.311	62%	71%	0.777	0.654	0.717	3.746	No	0.777	3.311
2	30	A6A	12	712.63	0.029	1.55	Free Surface	7.785	30%	20%	0.301	0.528	2.945	7.864	No	0.301	7.785
10	11	10	12	777.179	0.002	0.571	Free Surface	2.127	37%	30%	0.374	0.314	0.712	1.914	No	0.374	2.127
20	21	20	15	775.842	0.018	1.107	Free Surface	5.906	21%	10%	0.263	0.414	2.427	11.447	No	0.263	5.906
21	22	21	15	1,535.79	0.001	1.107	Free Surface	1.865	49%	48%	0.609	0.414	0.477	2.314	No	0.609	1.865
22	23	22	15	773.398	0.002	1.107	Free Surface	2.402	40%	34%	0.502	0.414	0.69	3.261	Yes	1.25	0.902
23	10	23	12	1,528.30	0.002	0.571	Free Surface	2.294	35%	27%	0.354	0.314	0.793	2.125	Yes	0.497	1.465
30	31	30	12	1,717.90	0.002	1.55	Free Surface	2.955	63%	73%	0.633	0.528	0.706	2.128	Yes	0.735	2.503
31	32	31	12	1,183.43	0.002	1.55	Free Surface	2.786	67%	78%	0.667	0.528	0.639	1.977	No	0.667	2.786
32	40	32	12	1,000.08	0.007	0.828	Free Surface	4.025	31%	21%	0.308	0.381	1.503	4.014	Yes	0.467	2.303
40	41	40	12	1,939.82	0.003	0.828	Free Surface	2.864	40%	33%	0.396	0.381	0.928	2.506	No	0.396	2.864
50	50	162	24	1,134.37	0.001	10.109	Pressurized	3.87	78%	95%	1.55	1.138	0.545	10.687	Yes	2	3.218
51	51	41	12	2,875.00	0.001	0.177	Free Surface	1.281	23%	12%	0.232	0.172	0.558	1.5	Yes	0.318	0.822
60	60	50	24	1,801.79	0.005	9.701	Free Surface	6.297	49%	49%	0.985	1.114	1.264	19.912	Yes	2	3.088
61	61	60	24	783.76	0.004	9.701	Free Surface	5.748	53%	55%	1.058	1.114	1.102	17.641	Yes	1.096	5.506
62	62	61	24	3,365.73	0.006	7.376	Free Surface	6.552	39%	32%	0.776	0.965	1.519	23.169	No	0.776	6.552
70	70	61	12	1,068.47	0.004	1.804	Free Surface	3.744	59%	65%	0.589	0.572	0.943	2.759	Yes	0.882	2.461
71	71	70	12	1,716.08	0.006	1.804	Free Surface	4.481	51%	52%	0.51	0.572	1.245	3.49	Yes	0.591	3.736
90	90	WW_NW	12	1,497.85	0.002	3.466	Pressurized	4.414	100%	169%	1	0.612	0.778	2.052	No	1	4.414
91	91	90	12	1,715.57	0	2.248	Pressurized	2.862	100%	280%	1	0.374	0.504	0.802	No	1	2.862
102	102	204	12	5,183.50	0.004	2.472	Free Surface	4.177	71%	85%	0.705	0.674	0.913	2.925	No	0.705	4.177
110	110	WW_NW	12	3,638.36	0.003	1.437	Free Surface	3.412	53%	55%	0.529	0.508	0.925	2.619	No	0.529	3.412
111	111	110	12	2,041.32	0.004	1.437	Free Surface	3.721	49%	49%	0.494	0.508	1.055	2.939	No	0.494	3.721
112	112	111	8	2,747.67	0.006	0.849	Free Surface	3.681	63%	72%	0.418	0.436	1.084	1.181	No	0.418	3.681
120	120	111	8	827.68	0.004	0.588	Free Surface	2.844	57%	63%	0.382	0.36	0.895	0.941	No	0.382	2.844
121	121	120	8	6,254.45	0.012	0.588	Free Surface	4.476	40%	34%	0.268	0.36	1.759	1.727	Yes	0.306	3.768
131	131	130	8	2,354.54	0.019	0.12	Free Surface	3.361	16%	6%	0.106	0.158	2.189	2.191	Yes	0.128	2.552
140	140	163	12	4,917.45	0.004	1.416	Free Surface	3.764	48%	47%	0.483	0.504	1.081	2.999	No	0.483	3.764
141	141	140	8	2,793.03	0.007	1.416	Pressurized	4.056	100%	110%	0.667	0.535	0.875	1.283	No	0.667	4.056
150	150	200	24	9,884.45	0.003	11.739	Free Surface	5.234	67%	79%	1.343	1.23	0.844	14.83	Yes	2	3.737
151	151	150	24	7,951.29	0.01	6.531	Free Surface	7.466	32%	23%	0.644	0.905	1.923	29.076	No	0.644	7.466
160	160	WW_E	24	733.65	0.001	14.341	Pressurized	4.565	100%	156%	2	1.082	0.569	9.173	No	2	4.565
161	161	160	24	204.83	0.001	14.341	Pressurized	4.565	100%	169%	2	1.039	0.569	8.495	Yes	2	4.565
162	162	161	24	2,088.02	0.001	13.398	Pressurized	4.265	100%	127%	2	1.166	0.531	10.584	Yes	2	4.265
163	163	166	12	1,442.65	0.004	1.416	Free Surface	3.53	51%	51%	0.508	0.504	0.982	2.753	Yes	0.564	3.1
164	164	161	8	2,789.85	0.004	0.943	Pressurized	2.702	100%	101%	0.667	0.459	0.583	0.936	Yes	0.667	2.702
165	165	166	12	3,906.40	0.009	1.873	Free Surface	5.362	46%	43%	0.457	0.583	1.596	4.382	No	0.457	5.362
166	166	162	24	1,378.93	0.004	3.289	Free Surface	4.286	29%	19%	0.586	0.634	1.163	17.572	No	0.586	4.286
170	170	WWTP2	30	1,218.67	0.001	16.928	Pressurized	3.449	100%	130%	2.5	1.211	0.384	12.986	Yes	2.5	3.449
171	171	170	24	1,749.45	0.001	16.928	Pressurized	5.388	100%	163%	2	1.155	0.671	10.407	Yes	2	5.388
180	180	WW_M	12	2,312.98	0.024	0.354	Free Surface	4.771	15%	5%	0.15	0.245	2.611	7.24	No	0.15	4.771
181	181	180	8	931.815	0.185	0.354	Free Surface	10.245	16%	5%	0.104	0.276	6.752	6.775	Yes	0.132	7.242

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Static Gravity Main Results at Peak Flow (2/2)

ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (cfs)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth (ft)	Critical Depth (ft)	Froude Number	Full Flow (cfs)	Backwater Adjustment	Adjusted Depth (ft)	Adjusted Velocity (ft/s)
190	190	WW_E	8	2,445.23	0.006	0.931	Free Surface	3.971	64%	73%	0.424	0.458	1.157	1.268	No	0.424	3.971
193	193	WWTP2	8	3,281.92	0.009	1.615	Pressurized	4.627	100%	109%	0.667	0.57	0.999	1.485	Yes	0.667	4.627
195	A6A	20	15	378.49	0.002	1.55	Free Surface	3.073	43%	38%	0.537	0.493	0.848	4.037	No	0.537	3.073
200	200	171	24	4,038.77	0.003	15.723	Pressurized	5.005	100%	104%	2	1.404	0.624	15.167	Yes	2	5.005
202	202	WWTP2	24	4,409.86	0.004	15.272	Free Surface	6.753	68%	80%	1.353	1.409	1.083	19.099	Yes	2	4.861
204	204	WW_NE	15	1,098.27	0.001	7.376	Pressurized	6.011	100%	290%	1.25	0.639	0.947	2.541	No	1.25	6.011
205	205	204	15	1,936.00	0.001	4.904	Pressurized	3.996	100%	256%	1.25	0.551	0.63	1.914	Yes	1.25	3.996
206	206	62	24	1,034.54	0.007	7.376	Free Surface	6.774	38%	30%	0.757	0.965	1.593	24.256	No	0.757	6.774
208	208	202	24	5,283.46	0.003	15.272	Free Surface	5.956	76%	93%	1.521	1.409	0.856	16.479	No	1.521	5.956
130	130	102	8	2,310.88	0.005	0.12	Free Surface	2.065	0.223	0.109	0.149	0.158	1.125	1.099	No	0.149	2.065

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Static Gravity Main Results at Average Daily Flow (1/2)

ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (cfs)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth (ft)	Critical Depth (ft)	Froude Number	Full Flow (cfs)	Backwater Adjustment	Adjusted Depth (ft)	Adjusted Velocity (ft/s)
1	20	WW_M	15	1,172.41	0.002	1.063	Free Surface	2.628	36%	28%	0.456	0.406	0.799	3.746	No	46%	2.628
2	30	A6A	12	712.63	0.029	0.62	Free Surface	5.971	19%	8%	0.19	0.328	2.892	7.864	No	19%	5.971
10	11	10	12	777.179	0.002	0.228	Free Surface	1.64	23%	12%	0.233	0.196	0.713	1.914	No	23%	1.64
20	21	20	15	775.842	0.018	0.443	Free Surface	4.503	13%	4%	0.168	0.259	2.337	11.447	No	17%	4.503
21	22	21	15	1,535.79	0.001	0.443	Free Surface	1.454	30%	19%	0.37	0.259	0.496	2.314	No	37%	1.454
22	23	22	15	773.398	0.002	0.443	Free Surface	1.857	25%	14%	0.311	0.259	0.697	3.261	Yes	96%	0.436
23	10	23	12	1,528.30	0.002	0.228	Free Surface	1.767	22%	11%	0.221	0.196	0.789	2.125	Yes	25%	1.504
30	31	30	12	1,717.90	0.002	0.62	Free Surface	2.349	37%	29%	0.37	0.328	0.792	2.128	Yes	52%	1.493
31	32	31	12	1,183.43	0.002	0.62	Free Surface	2.227	39%	31%	0.385	0.328	0.734	1.977	No	39%	2.227
32	40	32	12	1,000.08	0.007	0.331	Free Surface	3.089	19%	8%	0.194	0.237	1.478	4.014	Yes	25%	2.127
40	41	40	12	1,939.82	0.003	0.331	Free Surface	2.213	25%	13%	0.246	0.237	0.935	2.506	No	25%	2.213
50	50	162	24	1,134.37	0.001	4.044	Free Surface	3.166	43%	38%	0.853	0.705	0.694	10.687	No	85%	3.166
51	51	41	12	2,875.00	0.001	0.071	Free Surface	0.978	15%	5%	0.148	0.108	0.54	1.5	Yes	20%	0.645
60	60	50	24	1,801.79	0.005	3.881	Free Surface	4.912	30%	20%	0.599	0.69	1.318	19.912	Yes	69%	4.054
61	61	60	24	783.76	0.004	3.881	Free Surface	4.503	32%	22%	0.637	0.69	1.167	17.641	No	64%	4.503
62	62	61	24	3,365.73	0.006	2.95	Free Surface	5.06	24%	13%	0.482	0.599	1.527	23.169	No	48%	5.06
70	70	61	12	1,068.47	0.004	0.721	Free Surface	2.957	35%	26%	0.349	0.354	1.03	2.759	Yes	50%	1.826
71	71	70	12	1,716.08	0.006	0.721	Free Surface	3.502	31%	21%	0.309	0.354	1.307	3.49	Yes	34%	3.123
90	90	WW_NW	12	1,497.85	0.002	1.387	Free Surface	2.805	60%	68%	0.602	0.498	0.696	2.052	No	60%	2.805
91	91	90	12	1,715.57	0	0.899	Pressurized	1.145	100%	112%	1	0.374	0.202	0.802	No	100%	1.145
102	102	204	12	5,183.50	0.004	0.989	Free Surface	3.363	40%	34%	0.401	0.418	1.082	2.925	No	40%	3.363
110	110	WW_NW	12	3,638.36	0.003	0.575	Free Surface	2.673	32%	22%	0.318	0.315	0.98	2.619	No	32%	2.673
111	111	110	12	2,041.32	0.004	0.575	Free Surface	2.903	30%	20%	0.3	0.315	1.1	2.939	No	30%	2.903
112	112	111	8	2,747.67	0.006	0.34	Free Surface	2.923	37%	29%	0.245	0.27	1.212	1.181	No	25%	2.923
120	120	111	8	827.68	0.004	0.235	Free Surface	2.24	34%	25%	0.227	0.224	0.968	0.941	No	23%	2.24
121	121	120	8	6,254.45	0.012	0.235	Free Surface	3.461	25%	14%	0.166	0.224	1.776	1.727	No	17%	3.461
131	131	130	8	2,354.54	0.019	0.048	Free Surface	2.555	10%	2%	0.068	0.099	2.088	2.191	Yes	8%	1.961
140	140	163	12	4,917.45	0.004	0.566	Free Surface	2.934	29%	19%	0.294	0.313	1.123	2.999	No	29%	2.934
141	141	140	8	2,793.03	0.007	0.566	Free Surface	3.562	47%	44%	0.31	0.353	1.284	1.283	No	31%	3.562
150	150	200	24	9,884.45	0.003	4.696	Free Surface	4.187	39%	32%	0.773	0.762	0.973	14.83	Yes	86%	3.636
151	151	150	24	7,951.29	0.01	2.612	Free Surface	5.735	20%	9%	0.405	0.563	1.899	29.076	No	41%	5.735
160	160	WW_E	24	733.65	0.001	5.737	Free Surface	3.081	57%	63%	1.146	0.846	0.56	9.173	No	115%	3.081
161	161	160	24	204.83	0.001	5.737	Free Surface	2.903	60%	68%	1.204	0.846	0.509	8.495	No	120%	2.903
162	162	161	24	2,088.02	0.001	5.359	Free Surface	3.38	50%	51%	1.007	0.817	0.669	10.584	Yes	113%	2.929
163	163	166	12	1,442.65	0.004	0.566	Free Surface	2.759	31%	21%	0.308	0.313	1.031	2.753	Yes	34%	2.389
164	164	161	8	2,789.85	0.004	0.377	Free Surface	2.536	44%	40%	0.295	0.286	0.943	0.936	Yes	67%	1.081
165	165	166	12	3,906.40	0.009	0.749	Free Surface	4.166	28%	17%	0.28	0.361	1.641	4.382	No	28%	4.166
166	166	162	24	1,378.93	0.004	1.316	Free Surface	3.285	19%	8%	0.37	0.396	1.14	17.572	No	37%	3.285
170	170	WWTP2	30	1,218.67	0.001	6.771	Free Surface	2.673	51%	52%	1.281	0.863	0.468	12.986	No	128%	2.673
171	171	170	24	1,749.45	0.001	6.771	Free Surface	3.527	59%	65%	1.175	0.923	0.63	10.407	No	118%	3.527
180	180	WW_M	12	2,312.98	0.024	0.142	Free Surface	3.625	10%	2%	0.097	0.154	2.487	7.24	No	10%	3.625
181	181	180	8	931.815	0.185	0.142	Free Surface	7.787	10%	2%	0.067	0.172	6.438	6.775	Yes	8%	5.696

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Static Gravity Main Results at Average Daily Flow (2/2)

ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (cfs)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth (ft)	Critical Depth (ft)	Froude Number	Full Flow (cfs)	Backwater Adjustment	Adjusted Depth (ft)	Adjusted Velocity (ft/s)
190	190	WW_E	8	2,445.23	0.006	0.372	Free Surface	3.158	37%	29%	0.247	0.284	1.301	1.268	No	25%	3.158
193	193	WWTP2	8	3,281.92	0.009	0.646	Free Surface	4.106	46%	44%	0.307	0.379	1.487	1.485	Yes	33%	3.818
195	A6A	20	15	378.49	0.002	0.62	Free Surface	2.382	27%	15%	0.331	0.307	0.864	4.037	No	33%	2.382
200	200	171	24	4,038.77	0.003	6.289	Free Surface	4.602	45%	42%	0.898	0.888	0.979	15.167	Yes	99%	4.073
202	202	WWTP2	24	4,409.86	0.004	6.109	Free Surface	5.408	39%	32%	0.778	0.874	1.252	19.099	No	78%	5.408
204	204	WW_NE	15	1,098.27	0.001	2.95	Pressurized	2.404	100%	116%	1.25	0.639	0.379	2.541	No	125%	2.404
205	205	204	15	1,936.00	0.001	1.962	Pressurized	1.598	100%	103%	1.25	0.551	0.252	1.914	No	125%	1.598
206	206	62	24	1,034.54	0.007	2.95	Free Surface	5.227	24%	12%	0.471	0.599	1.597	24.256	No	47%	5.227
208	208	202	24	5,283.46	0.003	6.109	Free Surface	4.855	42%	37%	0.843	0.874	1.072	16.479	No	84%	4.855
130	130	102	8	2,310.88	0.005	0.048	Free Surface	1.576	14%	4%	0.095	0.099	1.086	1.099	No	10%	1.576

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Extended Period Simulation Range Gravity Main Results at Average Daily Flow (1/2)

ID	From ID	To ID	Maximum Flow (cfs)	Maximum Flow Time (hour)	Maximum Velocity (ft/s)	Maximum Water Depth (ft)	Maximum Froude Number	Maximum d/D	Maximum Overflow (cfs)	Maximum Adjusted Depth (ft)	Maximum Adjusted d/D	Maximum Adjusted Velocity (ft/s)	Maximum q/Q	Maximum Critical Depth (ft)
1	20	WW_M	1.41	22:53 hr	2.836	0.531	0.803	43%	-2.336	1.005	80%	2.836	0.376	0.469
2	30	A6A	0.822	22:42 hr	6.485	0.218	2.918	22%	-7.042	0.218	22%	6.484	0.104	0.379
10	11	10	0.309	22:07 hr	1.79	0.272	0.716	27%	-1.605	0.272	27%	1.789	0.161	0.229
20	21	20	0.589	22:40 hr	4.902	0.193	2.368	15%	-10.859	0.193	15%	4.902	0.051	0.299
21	22	21	0.589	22:38 hr	1.575	0.43	0.496	34%	-1.725	0.43	34%	1.575	0.254	0.299
22	23	22	0.589	22:25 hr	2.015	0.36	0.699	29%	-2.672	1.031	83%	1.377	0.181	0.299
23	10	23	0.309	22:21 hr	1.928	0.258	0.794	26%	-1.816	0.304	30%	1.639	0.145	0.229
30	31	30	0.822	22:41 hr	2.534	0.431	0.797	43%	-1.306	0.571	57%	1.046	0.386	0.379
31	32	31	0.822	22:25 hr	2.4	0.45	0.74	45%	-1.155	0.45	45%	2.4	0.416	0.379
32	40	32	0.442	22:17 hr	3.362	0.224	1.492	22%	-3.571	0.302	30%	2.666	0.11	0.275
40	41	40	0.442	22:12 hr	2.405	0.284	0.939	28%	-2.064	0.284	28%	2.404	0.177	0.275
50	50	162	5.473	22:33 hr	3.422	1.014	0.708	51%	-5.214	1.014	51%	3.422	0.512	0.826
51	51	41	0.096	22:26 hr	1.069	0.171	0.547	17%	-1.405	0.228	23%	0.122	0.064	0.126
60	60	50	5.542	22:26 hr	5.427	0.722	1.318	36%	-14.37	0.837	42%	5.285	0.278	0.831
61	61	60	6.06	22:20 hr	5.092	0.808	1.168	40%	-11.58	0.808	40%	4.999	0.344	0.871
62	62	61	6.175	02:14 hr	6.24	0.705	1.53	35%	-16.994	0.705	35%	6.24	0.267	0.879
70	70	61	0.977	22:16 hr	3.211	0.411	1.033	41%	-1.782	0.613	61%	2.785	0.354	0.415
71	71	70	0.977	22:10 hr	3.811	0.362	1.307	36%	-2.513	0.397	40%	3.258	0.28	0.415
90	90	WW_NW	1.853	22:26 hr	2.958	0.744	0.768	74%	-0.198	0.744	74%	2.958	0.903	0.58
91	91	90	1.21	22:16 hr	1.541	1	0.297	100%	0.408	1	100%	1.541	1.509	0.464
102	102	204	1.335	22:31 hr	3.64	0.474	1.096	47%	-1.59	0.474	47%	3.639	0.457	0.488
110	110	WW_NW	0.764	23:06 hr	2.892	0.37	0.981	37%	-1.855	0.37	37%	2.893	0.292	0.365
111	111	110	0.764	22:44 hr	3.144	0.348	1.101	35%	-2.175	0.348	35%	3.144	0.26	0.365
112	112	111	0.46	22:16 hr	3.173	0.289	1.219	43%	-0.72	0.289	43%	3.171	0.39	0.317
120	120	111	0.319	22:36 hr	2.435	0.268	0.971	40%	-0.622	0.268	40%	2.435	0.339	0.262
121	121	120	0.319	22:28 hr	3.776	0.194	1.782	29%	-1.408	0.194	29%	3.774	0.185	0.262
131	131	130	0.065	22:08 hr	2.801	0.079	2.124	12%	-2.126	0.094	14%	2.367	0.03	0.116
140	140	163	0.768	22:46 hr	3.195	0.345	1.123	35%	-2.232	0.345	35%	3.193	0.256	0.366
141	141	140	0.768	22:16 hr	3.84	0.372	1.324	56%	-0.516	0.372	56%	3.838	0.598	0.414
150	150	200	6.242	23:16 hr	4.517	0.905	0.982	45%	-8.587	1.013	51%	3.891	0.421	0.884
152	151	150	3.54	22:20 hr	6.267	0.471	1.915	24%	-25.536	0.471	24%	6.267	0.122	0.658
160	160	WW_E	7.675	22:52 hr	3.269	1.399	0.607	70%	-1.498	1.399	70%	3.269	0.837	0.985
161	161	160	7.676	22:45 hr	3.062	1.488	0.562	74%	-0.82	1.488	74%	3.062	0.904	0.985
162	162	161	7.183	22:45 hr	3.621	1.208	0.701	60%	-3.401	1.392	70%	2.867	0.679	0.952
163	163	166	0.767	22:55 hr	3.003	0.361	1.031	36%	-1.986	0.396	40%	2.566	0.279	0.366
164	164	161	0.511	22:25 hr	2.739	0.351	0.966	53%	-0.425	0.667	100%	1.463	0.546	0.335
165	165	166	1.015	22:18 hr	4.54	0.327	1.641	33%	-3.367	0.327	33%	4.537	0.232	0.423
166	166	162	1.717	12:24 hr	3.553	0.422	1.151	21%	-15.855	0.422	21%	3.552	0.098	0.454
170	170	WWTP2	8.747	12:41 hr	2.839	1.503	0.492	60%	-4.239	1.503	60%	2.839	0.674	0.985
171	171	170	8.747	12:30 hr	3.712	1.404	0.689	70%	-1.659	1.404	70%	3.712	0.841	1.055
180	180	WW_M	0.192	22:07 hr	3.974	0.112	2.53	11%	-7.048	0.112	11%	3.968	0.027	0.18
181	181	180	0.192	22:01 hr	8.536	0.077	6.549	12%	-6.583	0.096	14%	7.216	0.028	0.201

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Extended Period Simulation Range Gravity Main Results at Average Daily Flow (2/2)

ID	From ID	To ID	Maximum Flow (cfs)	Maximum Flow Time (hour)	Maximum Velocity (ft/s)	Maximum Water Depth (ft)	Maximum Froude Number	Maximum d/D	Maximum Overflow (cfs)	Maximum Adjusted Depth (ft)	Maximum Adjusted d/D	Maximum Adjusted Velocity (ft/s)	Maximum q/Q	Maximum Critical Depth (ft)
190	190	WW_E	0.505	22:15 hr	3.427	0.292	1.309	44%	-0.764	0.292	44%	3.427	0.398	0.333
193V2	193	WWTP2	0.876	22:19 hr	4.429	0.368	1.533	55%	-0.609	0.451	68%	4.419	0.59	0.443
195	A6A	20	0.822	22:44 hr	2.581	0.383	0.866	31%	-3.215	0.383	31%	2.581	0.204	0.355
200	200	171	8.134	13:10 hr	4.912	1.042	1.004	52%	-7.033	1.196	60%	4.242	0.536	1.016
202	202	WWTP2	6.604	03:27 hr	5.522	0.811	1.265	41%	-12.495	0.811	41%	5.496	0.346	0.911
204	204	WW_NE	4.63	12:49 hr	3.773	1.25	0.595	100%	2.09	1.25	100%	3.773	1.822	0.872
205	205	204	3.342	10:54 hr	2.723	1.25	0.429	100%	1.428	1.25	100%	2.723	1.746	0.737
206	206	62	7.442	00:44 hr	6.791	0.76	1.602	38%	-16.813	0.76	38%	6.638	0.307	0.969
208	208	202	7.965	02:16 hr	5.201	0.98	1.091	49%	-8.514	0.98	49%	5.115	0.483	1.004
130	130	102	0.065	22:22 hr	1.725	0.11	1.101	17%	-1.034	0.11	17%	1.723	0.059	0.116

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Static Lift Station and Force Main Results at Peak Flow

ID	From ID	Wet Well Grade (ft)	Flow (cfs)	Head Increase (ft)	Power (hp)	Grade (ft)	Diameter (in)	Length (ft)	Total Flow (cfs)	Velocity (ft/s)	Headloss (ft)
EAST	LS_E	732	10.694	100.164	60.766	965.9	10	1,237.00	15.272	19.608	106.789
MAIN	LS_M	708	4.59	112.988	29.418	773.303	10	1,540.82	3.01	8.415	49.317
NE	LS_NE	766	8.02	103.55	47.118	880.238	10	2,097.66	7.376	14.706	106.293
NW	LS_NW	741	6.684	119.098	45.158	830.453	10	1,918.80	4.904	12.255	69.368

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Static Lift Station and Force Main Results at Average Daily Flow

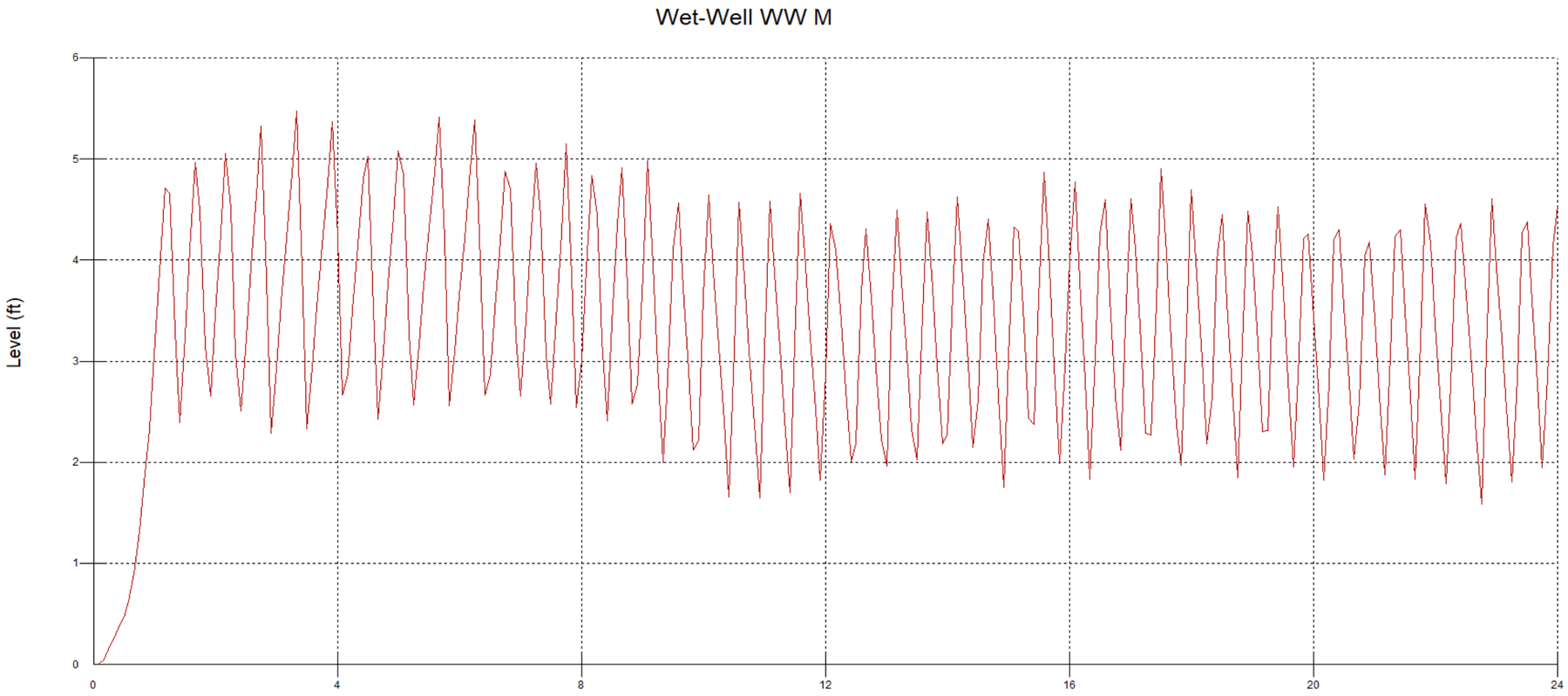
ID	From ID	Wet Well Grade (ft)	Flow (cfs)	Head Increase (ft)	Power (hp)	Grade (ft)	Diameter (in)	Length (ft)	Total Flow (cfs)	Velocity (ft/s)	Headloss (ft)
EAST	LS_E	732	10.694	100.164	60.766	791.204	10	1,237.00	6.109	19.608	106.789
MAIN	LS_M	708	4.59	112.988	29.418	764.532	10	1,540.82	1.204	8.415	49.317
NE	LS_NE	766	8.02	103.55	47.118	818.005	10	2,097.66	2.95	14.706	106.293
NW	LS_NW	741	6.684	119.098	45.158	800.649	10	1,918.80	1.962	12.255	69.368

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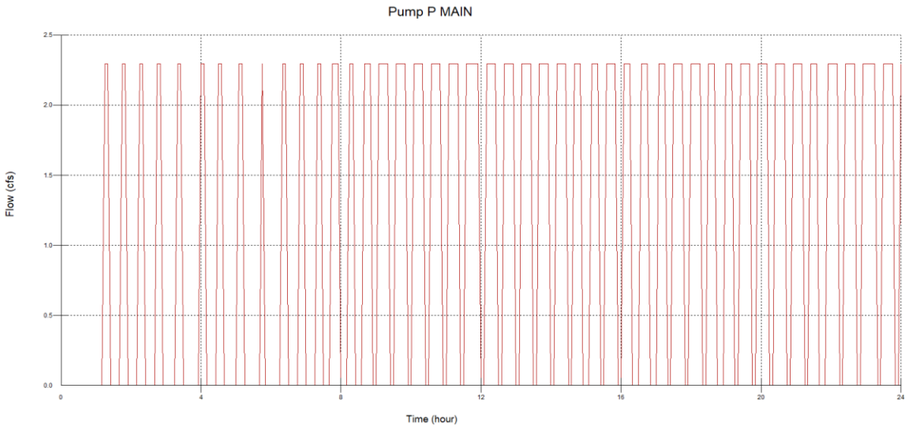
Extended Period Simulation Range Manhole Results at Average Daily Flow

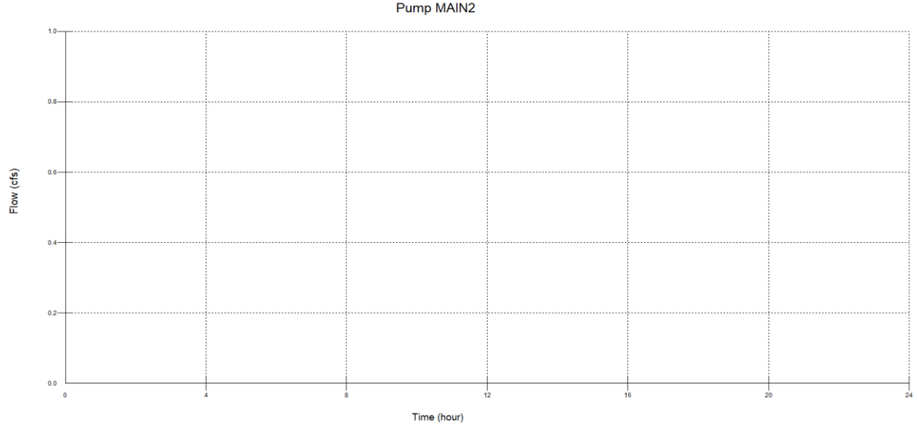
ID	Maximum Grade (ft)	Maximum Grade Time (hour)	Load (cfs)	Status	Depth (ft)	Surcharge Depth (ft)	Unfilled Depth (ft)
10	747.399	22:20 hr	0	Not Full	0.259	-0.741	13.669
11	748.833	22:05 hr	0.307	Not Full	0.273	-0.727	12.98
20	714.661	22:55 hr	0	Not Full	0.541	-0.709	17.489
21	740.184	22:40 hr	0	Not Full	0.194	-1.056	13.933
22	744.252	22:40 hr	0	Not Full	1.592	-0.818	13.419
23	744.29	22:30 hr	0.275	Not Full	0.47	-0.78	12.353
30	746.313	22:40 hr	0	Not Full	0.703	-0.773	10.189
31	749.656	22:40 hr	0	Not Full	0.44	-0.56	9.143
32	751.818	22:25 hr	0.374	Not Full	0.458	-0.542	18.475
40	759.136	22:20 hr	0	Not Full	0.226	-0.774	8.297
41	765.287	22:15 hr	0.344	Not Full	0.287	-0.713	11.518
50	748.408	22:35 hr	0.207	Not Full	1.038	-0.962	16.136
51	768.171	22:25 hr	0.092	Not Full	0.171	-0.829	6.829
60	756.424	22:25 hr	0	Not Full	0.738	-1.262	11.262
61	759.295	22:20 hr	0.273	Not Full	0.804	-1.196	10.112
62	780.514	03:15 hr	0	Not Full	0.735	-1.265	24.265
70	762.684	22:15 hr	0	Not Full	0.422	-0.578	9.411
71	772.33	22:10 hr	0.961	Not Full	0.374	-0.626	19.626
90	755.034	22:25 hr	0.631	Not Full	0.787	-0.213	12.213
91	763.436	22:15 hr	1.187	Not Full	1.677	0.677	6.323
102	810.964	22:30 hr	1.207	Not Full	0.496	-0.504	19.504
110	777.27	23:05 hr	0	Not Full	0.377	-0.623	19.623
111	799.422	22:45 hr	0	Not Full	0.355	-0.645	16.478
112	820.813	22:15 hr	0.448	Not Full	0.302	-0.365	3.698
120	808.293	22:35 hr	0	Not Full	0.274	-0.393	3.809
121	883.47	22:30 hr	0.302	Not Full	0.2	-0.466	4.237
130	836.822	22:25 hr	0	Not Full	0.11	-0.556	5.89
131	882.353	22:10 hr	0.064	Not Full	0.079	-0.588	5.921
140	789.342	22:45 hr	0	Not Full	0.352	-0.648	19.648
141	823.939	22:15 hr	0.747	Not Full	0.408	-0.258	19.592
150	755.936	23:15 hr	2.293	Not Full	0.936	-1.064	11.064
151	834.792	22:20 hr	3.415	Not Full	0.481	-1.519	11.519
160	742.306	22:50 hr	0	Not Full	1.446	-0.554	18.513
161	742.665	22:45 hr	0	Not Full	1.535	-0.465	21.56
162	745.069	22:45 hr	0	Not Full	1.249	-0.751	22.116
163	768.595	22:55 hr	0	Not Full	0.368	-0.632	3.882
164	751.341	22:25 hr	0.488	Not Full	0.368	-0.299	8.382
165	802.121	22:20 hr	0.98	Not Full	0.34	-0.66	19.66
166	763.582	12:25 hr	0	Not Full	0.425	-1.575	7.409
170	718.246	12:40 hr	0	Not Full	1.527	-0.973	6.973
171	720.613	12:30 hr	0.618	Not Full	1.465	-0.535	6.702
180	773.546	22:10 hr	0	Not Full	0.112	-0.888	5.888
181	945.908	22:00 hr	0.192	Not Full	0.079	-0.587	5.921
190	756.318	22:15 hr	0.491	Not Full	0.309	-0.358	19.691
193	744.547	22:20 hr	0.845	Not Full	0.417	-0.25	19.583
200	731.095	13:10 hr	1.965	Not Full	1.095	-0.905	13.905
202	735.337	03:35 hr	0	Not Full	0.837	-1.163	24.163
204	778.7	12:50 hr	0	Not Full	3.7	2.45	17.203
205	783.375	10:55 hr	0	Not Full	3.375	2.125	16.625
206	787.764	01:50 hr	0	Not Full	0.764	-1.236	24.236
208	752.488	03:15 hr	0	Not Full	0.988	-1.012	24.512
A6A	715.713	22:45 hr	0	Not Full	0.383	-0.867	12.777

REGIONAL MAIN LIFT STATION



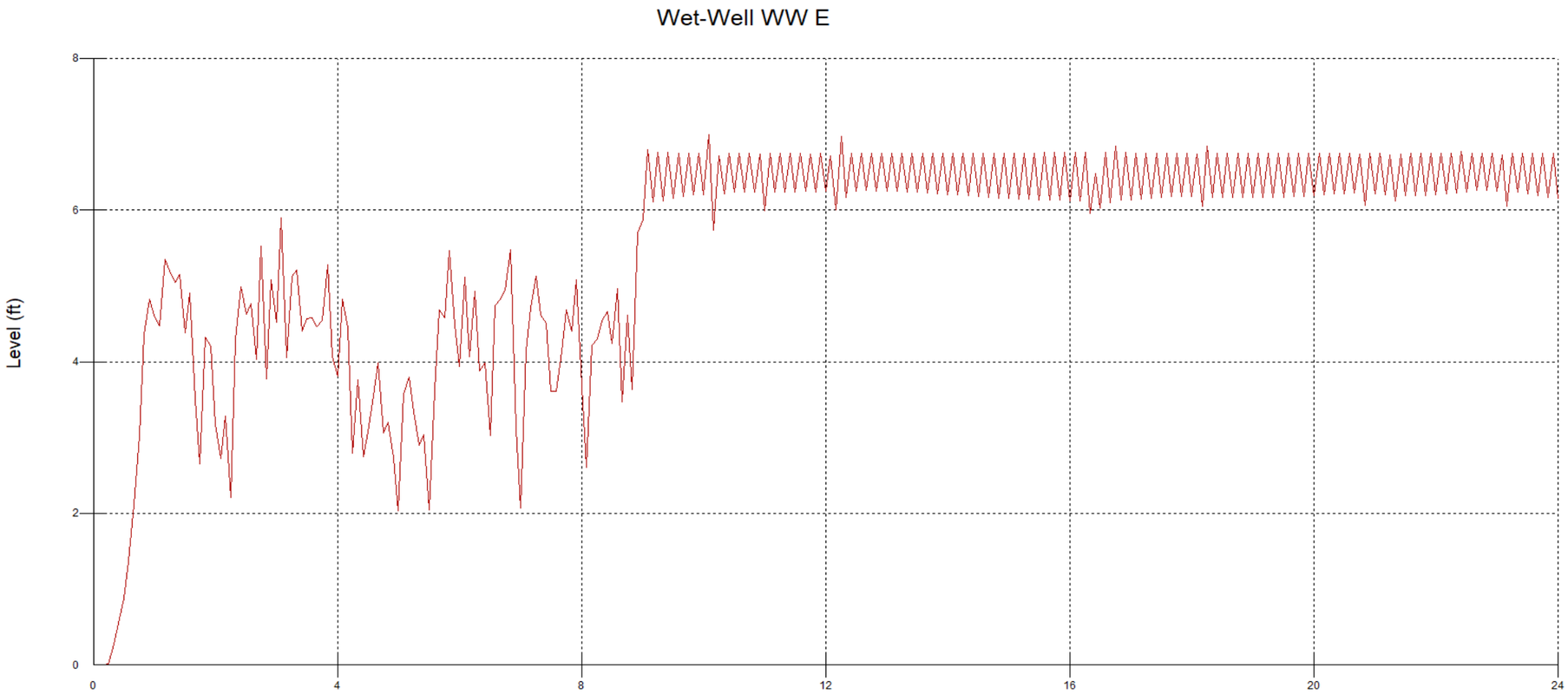
AVERAGE DAILY FLOW (GPM)	540.441
PEAK HOUR FLOW (MGD)	1.945588
PUMP CAPACITY (GPM)	2060
PUMP CAPACITY (MGD)	2.9664
% CAPACITY AT PEAK HOUR	65.59%



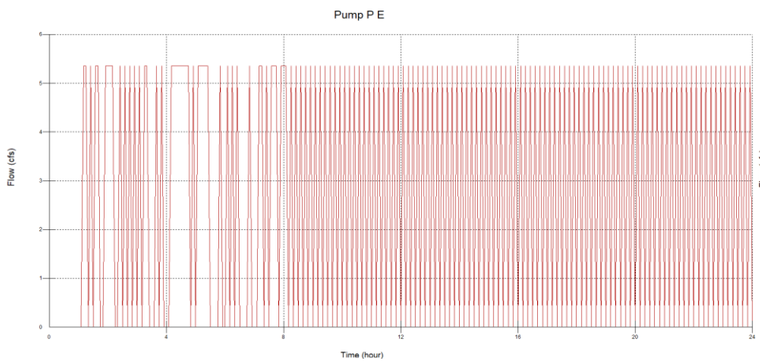


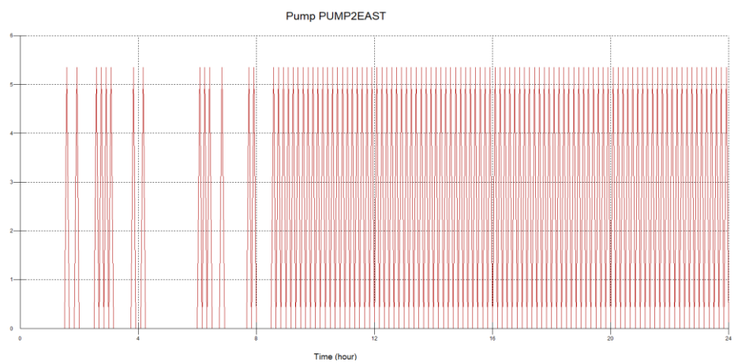
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TBPE FIRM NO. F-17502 WWW.RESPEC.COM

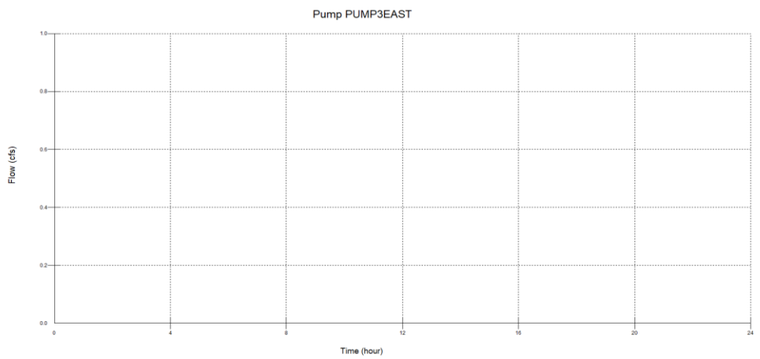
EAST SIDE LIFT STATION



AVERAGE DAILY FLOW (GPM)	2741.888
PEAK HOUR FLOW (MGD)	9.870797
PUMP CAPACITY (GPM)	7200
PUMP CAPACITY (MGD)	10.368
% CAPACITY AT PEAK HOUR	95.20%



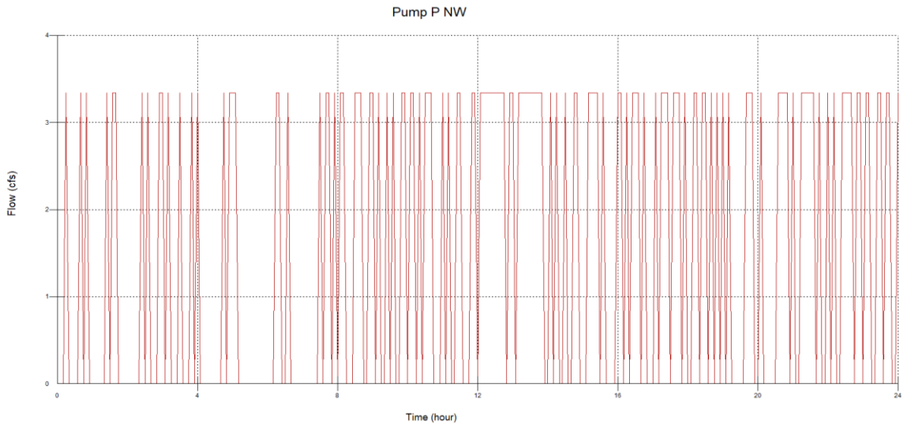


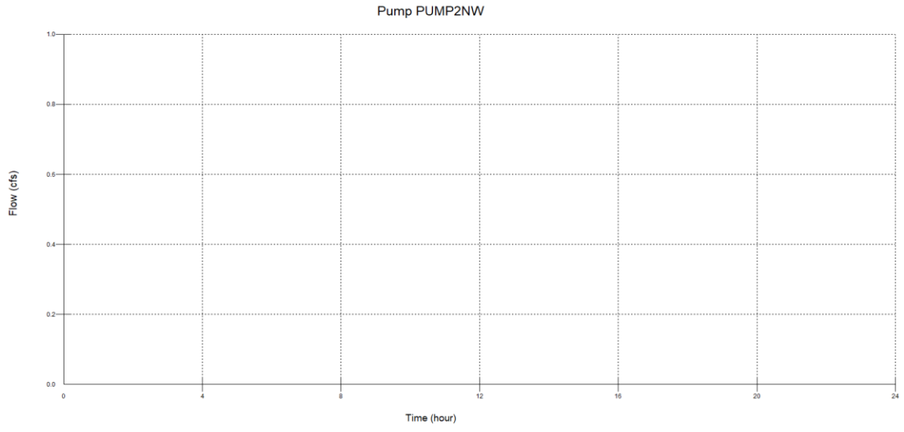


NORTHWEST SIDE LIFT STATION

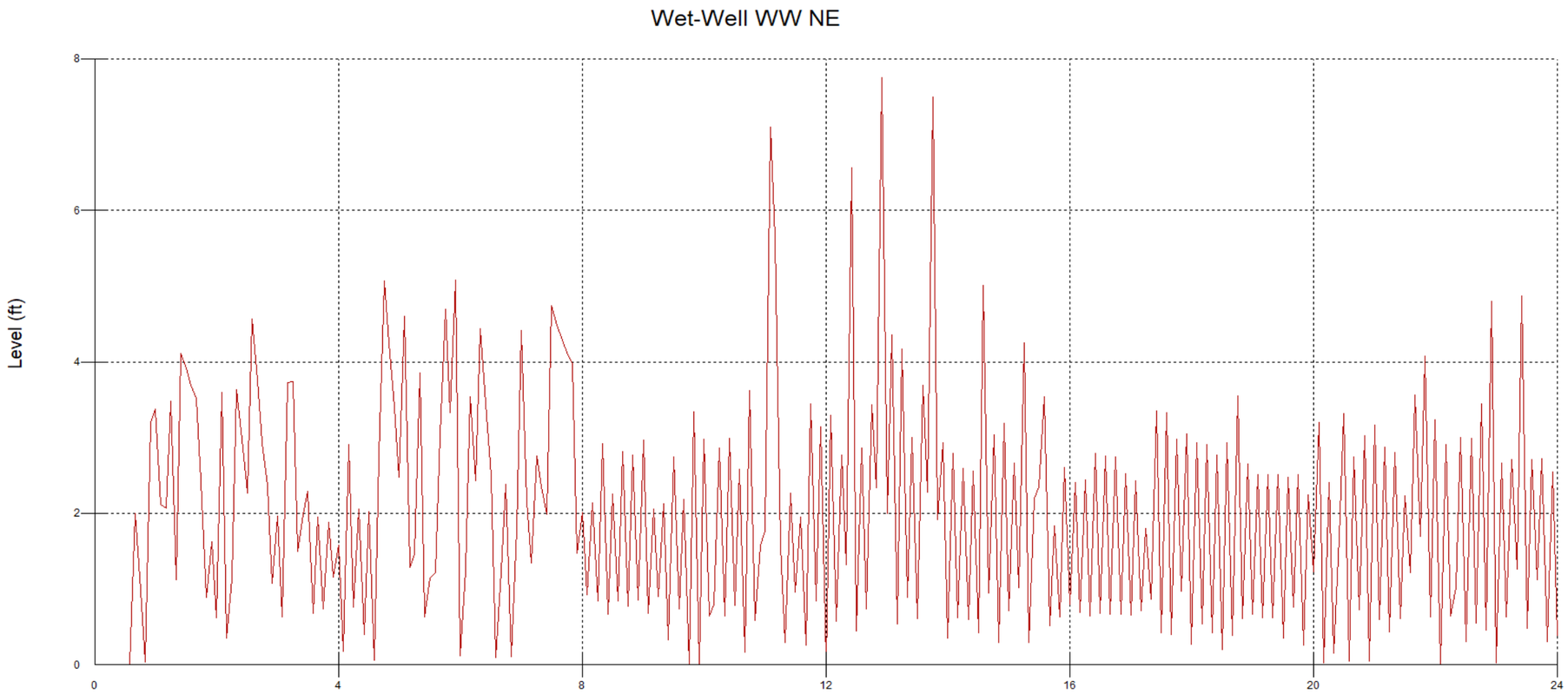


AVERAGE DAILY FLOW (GPM)	880.385
PEAK HOUR FLOW (MGD)	3.169386
PUMP CAPACITY (GPM)	2400
PUMP CAPACITY (MGD)	3.456
% CAPACITY AT PEAK HOUR	91.71%

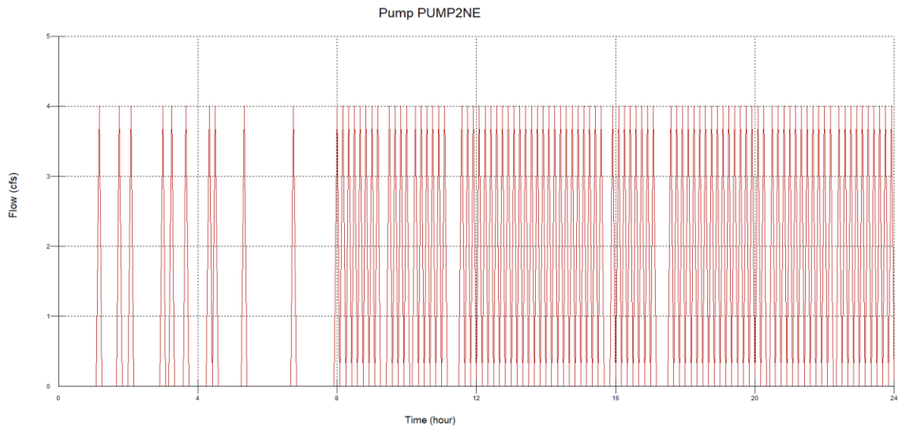


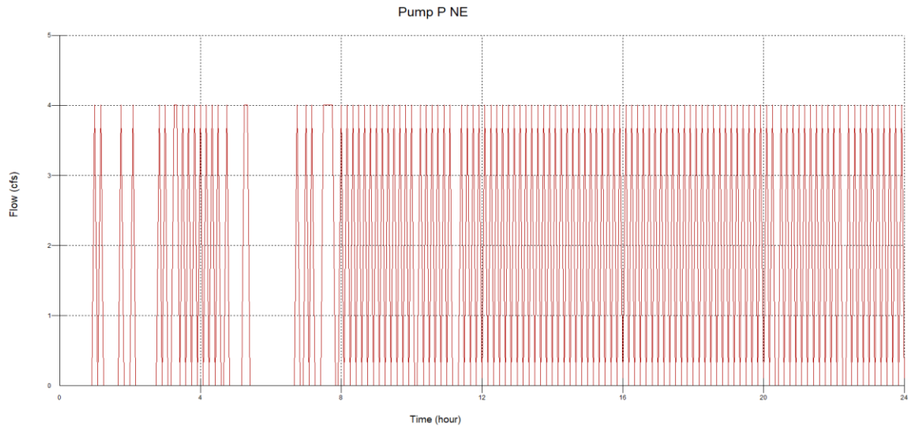


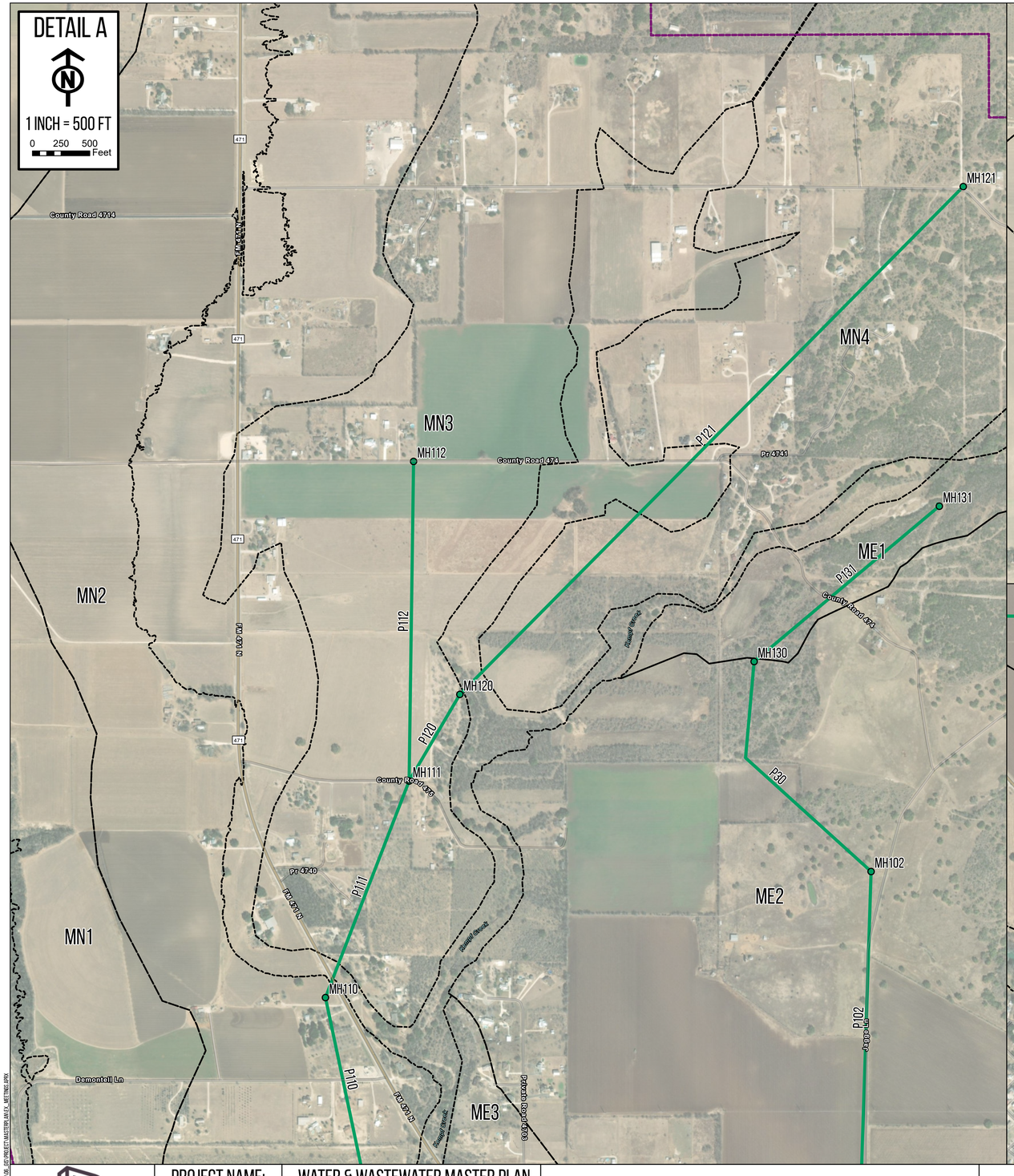
NORTHEAST SIDE LIFT STATION

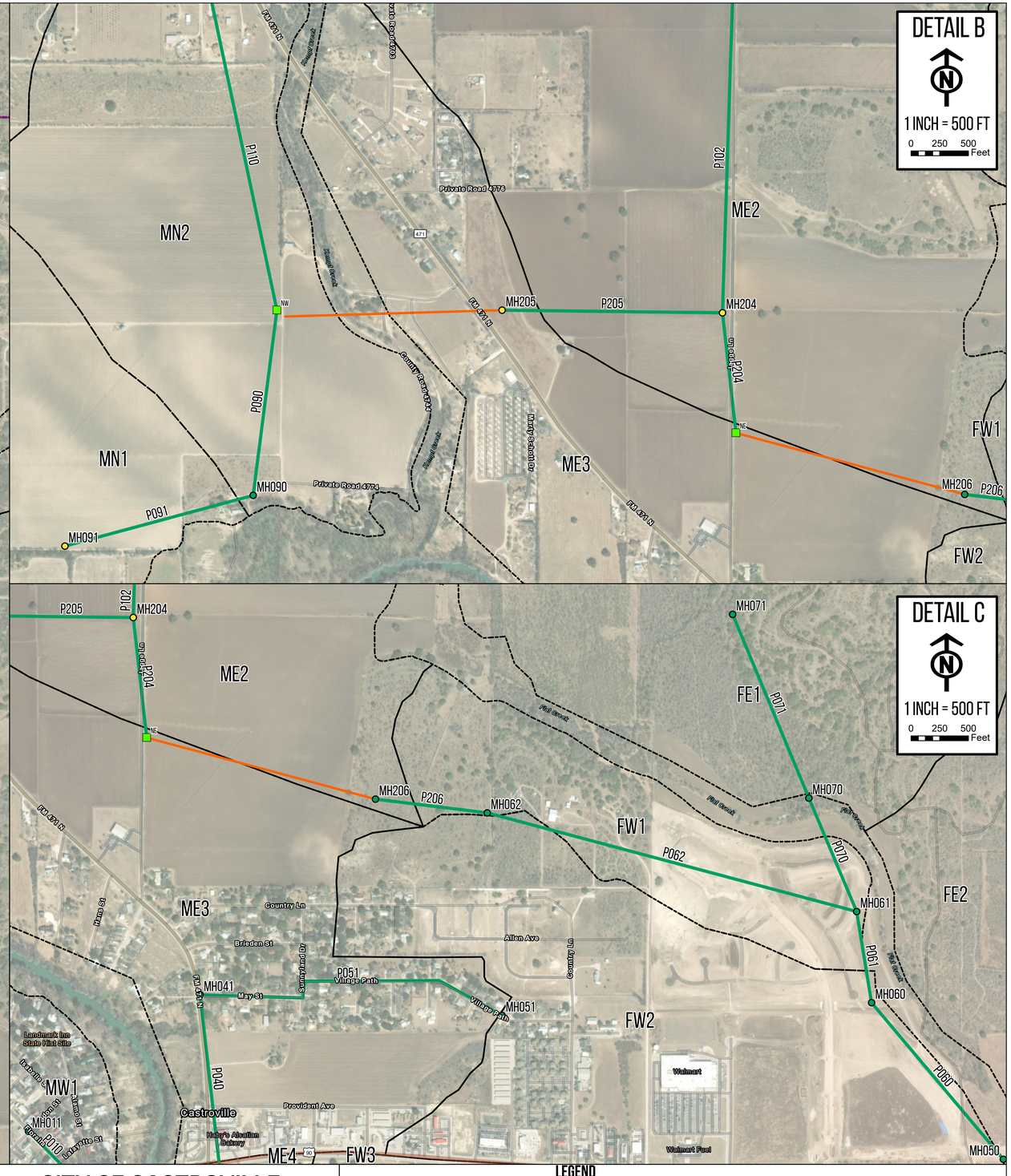


AVERAGE DAILY FLOW (GPM)	1324.27
PEAK HOUR FLOW (MGD)	4.767372
PUMP CAPACITY (GPM)	3600
PUMP CAPACITY (MGD)	5.184
% CAPACITY AT PEAK HOUR	91.96%









PROJECT NAME:	WATER & WASTEWATER MASTER PLAN
PROJECT NO.:	W0143-W015
DRAWN BY:	MARIA.AGUILAR
CHECKED BY:	DARYL.SPILLMAN

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CITY OF CASTROVILLE
WATER & WASTEWATER MASTER PLAN
ULTIMATE SEWER SYSTEM
AVERAGE EPS RESULTS DETAIL (1/4)

LEGEND

- STUDY AREA
- SEWER SHED
- FORCE MAIN
- TREATMENT PLANT
- LIFT STATION

MANHOLE STATUS AT AVERAGE FLOW DURING EXTENED PERIOD SIMULATION
- NOT FULL
- SURCHARGE

GRAVITY MAIN STATUS AT PEAK FLOW DURING EXTENDED PERIOD SIMULATION
- FREE FLOW
- PRESSURE
- PRESSURE AT FULL CAPACITY

X:\PROJECTS\W0143-CITY OF CASTROVILLE TX\WP15 - WWW MASTER PLAN\06_GIS\PROJECT MAPS\EPS\EPS_AVG_DETAIL_MASTER PLAN 1X1_ MEETING.APRX

DETAIL D

1 INCH = 500 FT

0 250 500 Feet

MN1 MW1 MW2 MW3 ME1 ME2 ME3 ME4 ME5 FW1 FW2 FW3

MH010 MH011 MH020 MH021 MH022 MH023 MH030 MH031 MH032 MH040 MH041 MH051 MH060 MH061 MH062 MH070 MH180 MH181 MH190 MH202 MH208

P001 P002 P010 P020 P021 P022 P023 P030 P031 P032 P040 P051 P061 P062 P070 P080 P180 P181 P190 P202 P208

Castroville

US Highway 90 W

US Highway 90 E

Old US Hwy 90

Medina River

Walmart

Walmart Fuel

Kompf Ln

Fischer Ln

Country Ln

Allen Ave

Provident Ave

Village Path

Houston St

Private Road 4773

County Road 4770

County Road 4515

FM 1343

FM 471 S

Landmark Inn State Park Site

Koenig Park

Hotel Alsace and Spa

Tres Velas

Cricket Wireless

Nicky's Alsatian Bakery

RESPEC

PROJECT NAME:	WATER & WASTEWATER MASTER PLAN
PROJECT NO.:	W0143-W015
DRAWN BY:	MARIA.AGUILAR
CHECKED BY:	DARYL.SPILLMAN

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CITY OF CASTROVILLE

WATER & WASTEWATER MASTER PLAN

ULTIMATE SEWER SYSTEM

AVERAGE EPS RESULTS DETAIL (2/4)

LEGEND

- STUDY AREA
- SEWER SHED
- FORCE MAIN
- TREATMENT PLANT
- LIFT STATION

MANHOLE STATUS AT AVERAGE FLOW DURING EXTENED PERIOD SIMULATION
- NOT FULL
- SURCHARGE

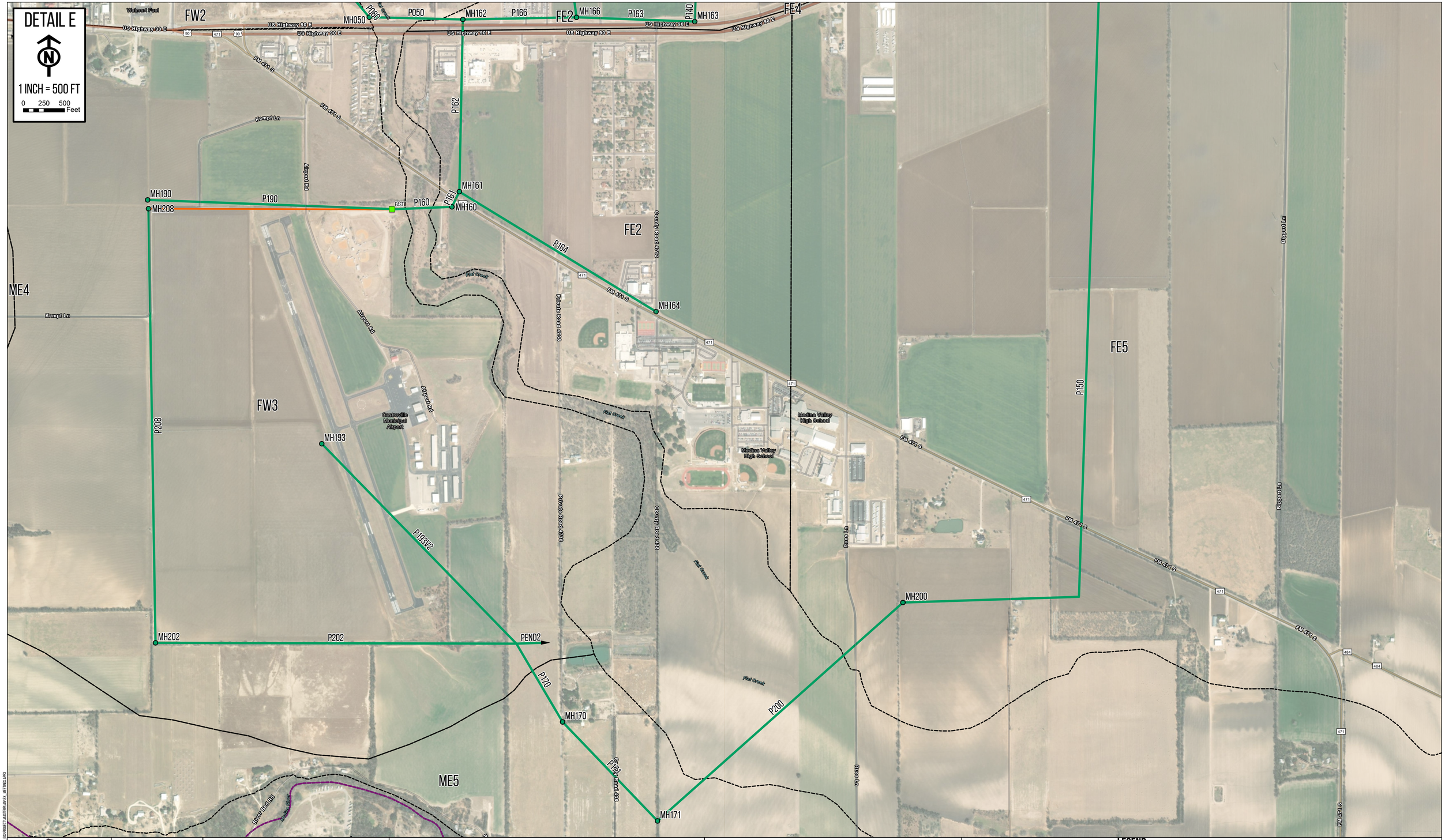
GRAVITY MAIN STATUS AT PEAK FLOW DURING EXTENDED PERIOD SIMULATION
- FREE FLOW
- PRESSURE
- PRESSURE AT FULL CAPACITY

N:\PROJECTS\W0143-CITY OF CASTROVILLE TX\W015 - WWMP MASTER PLAN\08_GIS\PROJECT\MASTER PLAN\EX_MEETING.APRX

DETAIL E

1 INCH = 500 FT

0 250 500 Feet



PROJECT NAME:	WATER & WASTEWATER MASTER PLAN
PROJECT NO.:	W0143-W015
DRAWN BY:	MARIA.AGUILAR
CHECKED BY:	DARYL.SPILLMAN

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CITY OF CASTROVILLE
WATER & WASTEWATER MASTER PLAN
ULTIMATE SEWER SYSTEM
AVERAGE EPS RESULTS DETAIL (3/4)

LEGEND

- STUDY AREA
- SEWER SHED
- FORCE MAIN
- TREATMENT PLANT
- LIFT STATION

MANHOLE STATUS AT AVERAGE FLOW DURING EXTENED PERIOD SIMULATION
- NOT FULL
- SURCHARGE

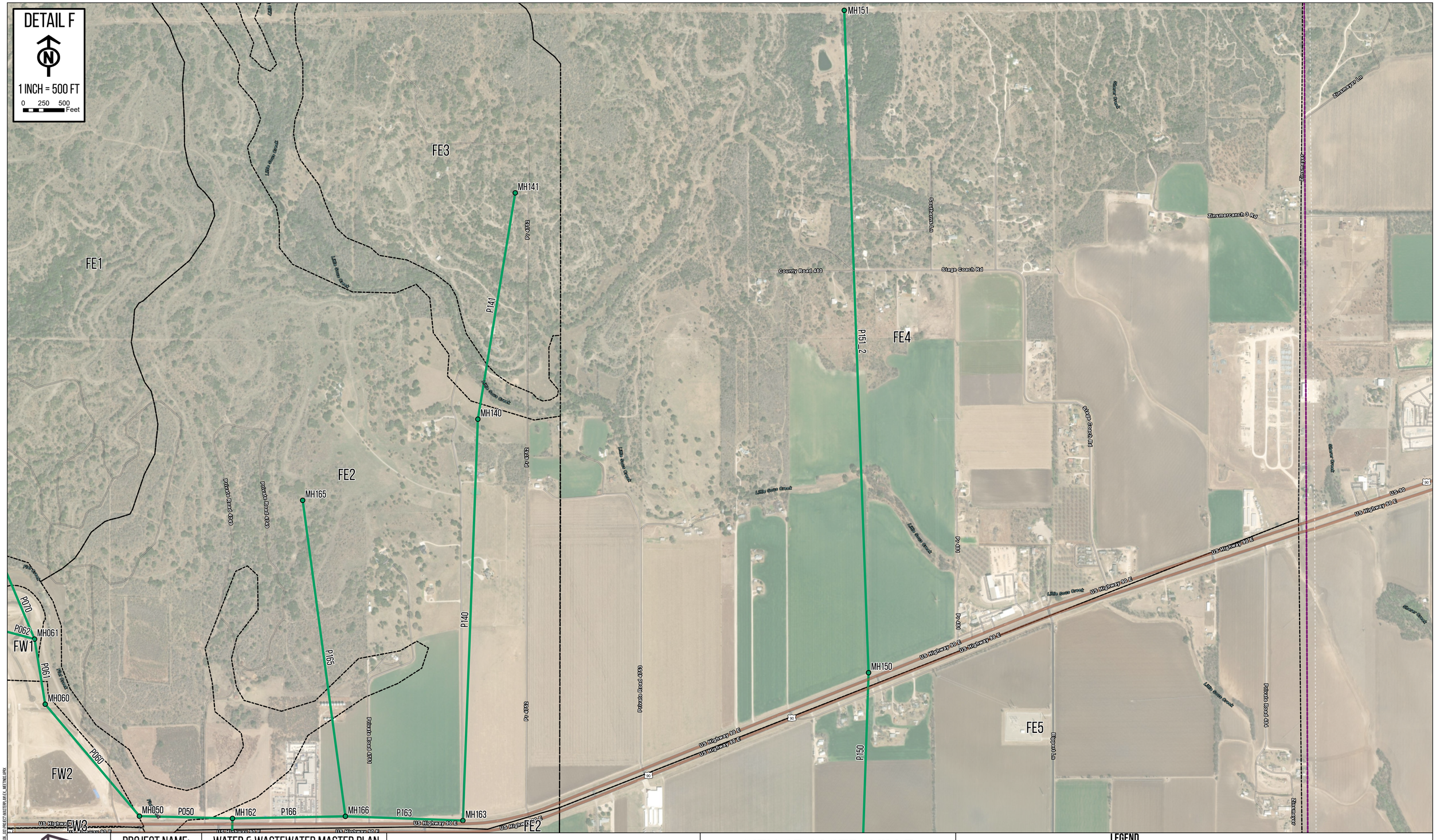
GRAVITY MAIN STATUS AT PEAK FLOW DURING EXTENDED PERIOD SIMULATION
- FREE FLOW
- PRESSURE
- PRESSURE AT FULL CAPACITY

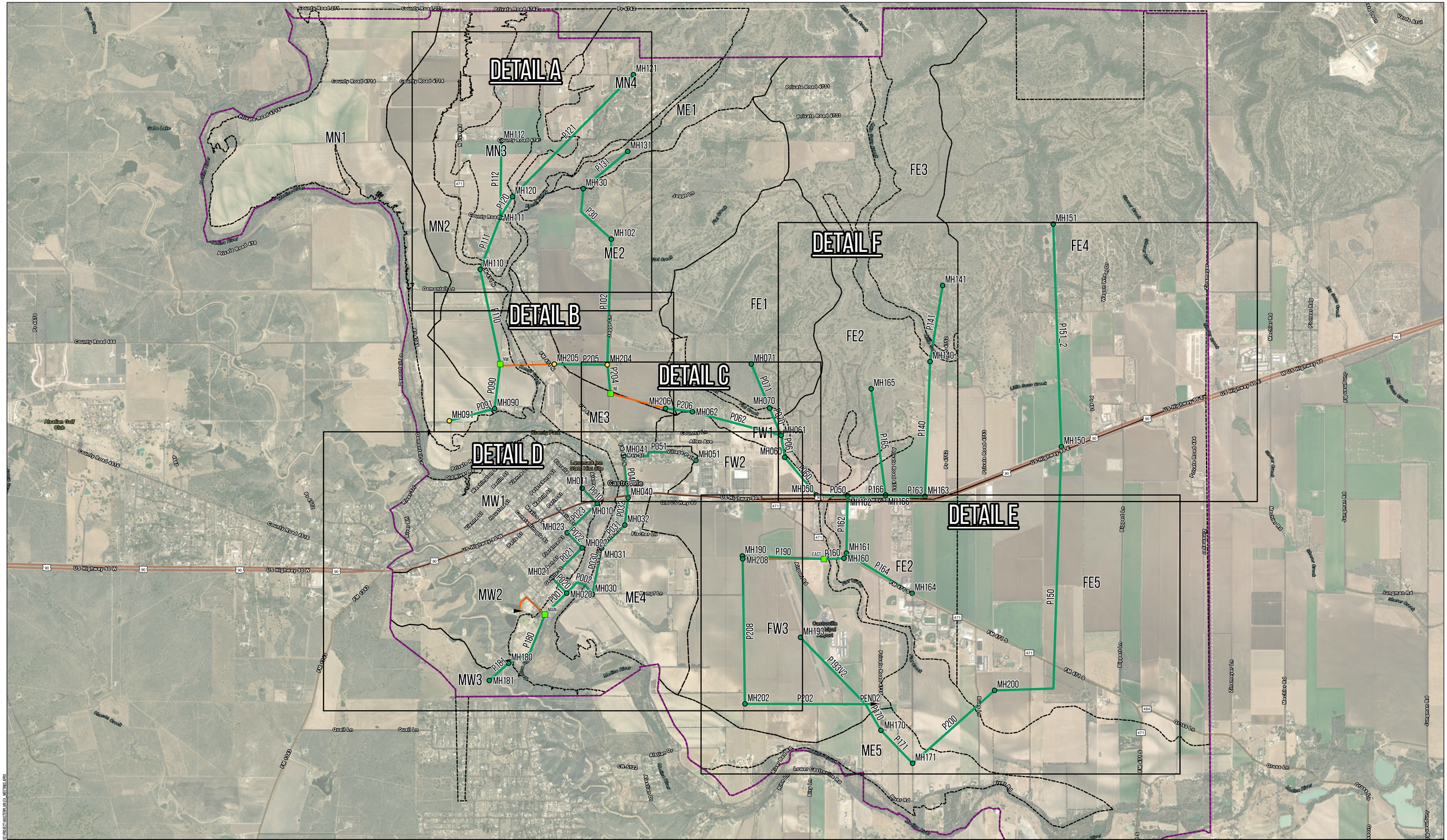
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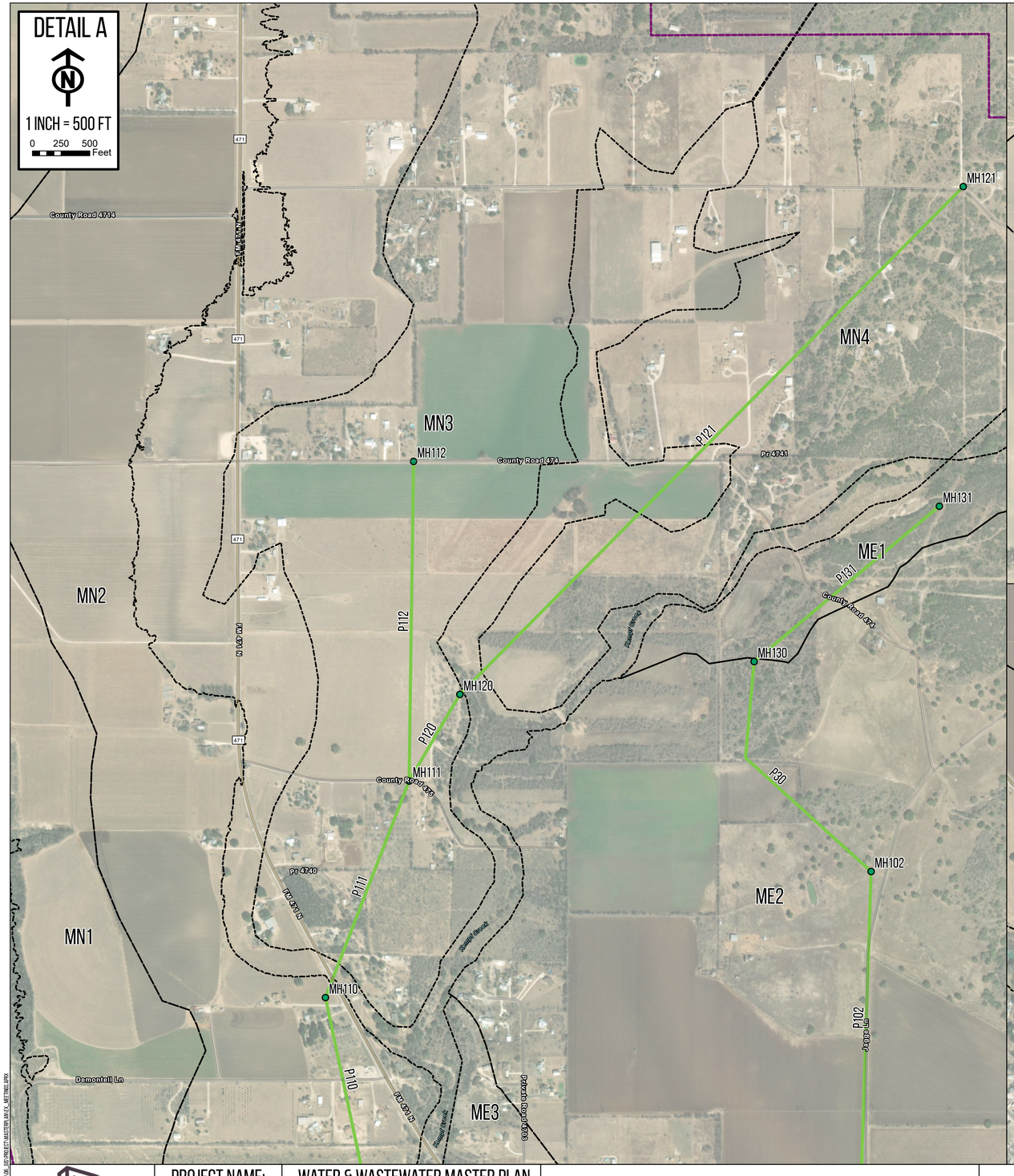
DETAIL F

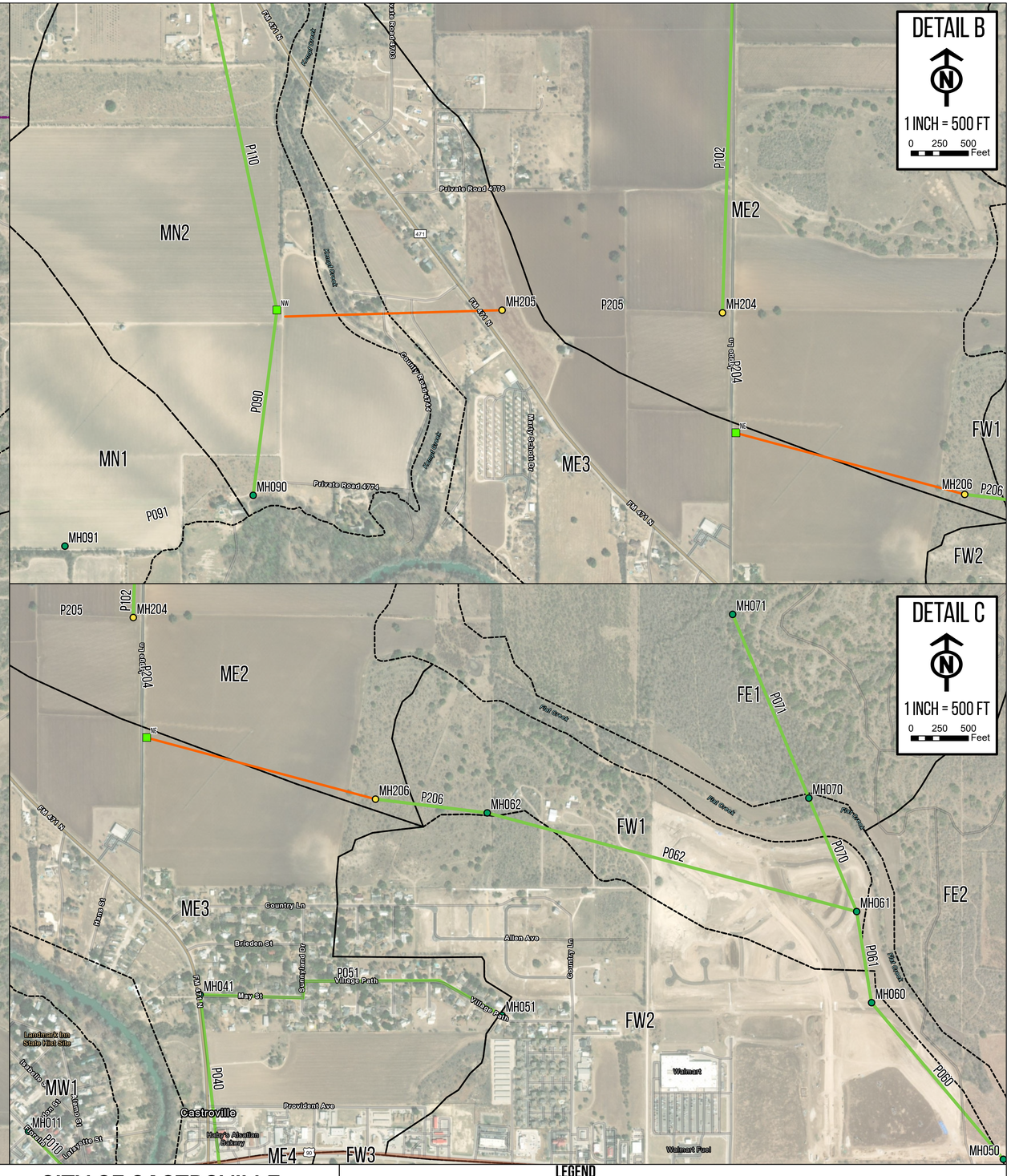
1 INCH = 500 FT

0 250 500 Feet




DETAIL A
DETAIL B
DETAIL C
DETAIL D
DETAIL E
DETAIL F
MN1
MN2
MN3
MN4
MW1
MW2
MW3
ME1
ME2
ME3
ME4
ME5
FW1
FW2
FW3
FE1
FE2
FE3
FE4
FE5
MH121
MH131
MH130
MH120
MH112
MH111
MH102
MH110
MH205
MH204
MH206
MH062
MH071
MH070
MH061
MH060
MH090
MH091
MH041
MH051
MH040
MH010
MH011
MH032
MH023
MH022
MH031
MH021
MH030
MH020
MH180
MH181
MH190
MH208
MH161
MH160
MH164
MH193
MH202
MH200
MH170
MH171
MH141
MH140
MH165
MH151
MH150
MH050
MH163
MH166
P121
P131
P120
P112
P30
P111
P102
P110
P205
P204
P206
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P071
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P010
P032
P023
P022
P021
P030
P031
P001
P020
P180
P181
P190
P160
P164
P208
P202
PEND2
P170
P171
P200
P162
P166
P163
P140
P141
P165
P150
P151_2
NW
NE
MAIN
EAST
Castroville
Castroville Municipal Airport
Medina River
Quihi Creek
Seco Creek
Verde Creek
Alsatian Golf Club
County Road 4714
County Road 4715
County Road 4716
County Road 4717
County Road 4718
County Road 4719
County Road 4720
County Road 4721
County Road 4722
County Road 4723
County Road 4724
County Road 4725
County Road 4726
County Road 4727
Private Road 4732
Private Road 4733
Private Road 4734
Private Road 4735
Private Road 4736
Private Road 4737
Private Road 4738
Private Road 4739
Private Road 4740
Private Road 4741
Private Road 4742
Private Road 4743
Private Road 4744
Private Road





PROJECT NAME:	WATER & WASTEWATER MASTER PLAN
PROJECT NO.:	W0143-W015
DRAWN BY:	MARIA.AGUILAR
CHECKED BY:	DARYL.SPILLMAN

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CITY OF CASTROVILLE
WATER & WASTEWATER MASTER PLAN
ULTIMATE SEWER SYSTEM
AVERAGE STATIC RESULTS DETAIL (1/4)

LEGEND

- SEWER SHED
- FORCE MAIN
- TREATMENT PLANT
- LIFT STATION
- MANHOLE STATUS AT AVERAGE FLOW DURING STATIC CONDITIONS
  - NOT FULL
  - SURCHARGE
- GRAVITY MAIN STATUS AT AVERAGE FLOW DURING STATIC CONDITIONS
  - GOOD
  - PRESSURE
- STUDY AREA

X:\PROJECTS\W0143-CITY OF CASTROVILLE TX\WATER\...\MXD\PROJECT MASTER PLAN\08_USER\PROJECT MASTER PLAN FIX_METRIC.APRX

DETAIL D

1 INCH = 500 FT

0 250 500 Feet

MN1 MW1 MW2 MW3 ME3 ME4 ME5 FW1 FW2 FW3 FE2

MH041 MH051 MH060 MH061 MH011 MH010 MH040 MH032 MH031 MH023 MH022 MH021 MH020 MH030 MH180 MH181 MH190 MH208 MH202

P062 P061 P060 P051 P040 P010 P032 P031 P023 P022 P021 P020 P002 P030 P001 P180 P181 P190 P208 P202

MAIN

Castroville

Medina River

Private Road 4773

Old River Rd

County Road 4770

County Road 4515

US Highway 90 W

US Highway 90 E

Old US Hwy 90

Houston St

Fischer Ln

Kompf Ln

Westheim Dr

Stockdome St

Country Ln

Allen Ave

Village Path

Provident Ave

Walmart

Walmart Fuel

Cricket Wireless

Hotel Alsace and Spa

Huby's Alsatian Bakery

Koenig Park

Landmark Inn State Park Site

Tres Velas

FM 1343

FM 471 S

Airport Rd

P208

ME5

DETAIL E

1 INCH = 500 FT

0 250 500 Feet

FW2 FE2 FE4 FE5 ME4 FW3 ME5

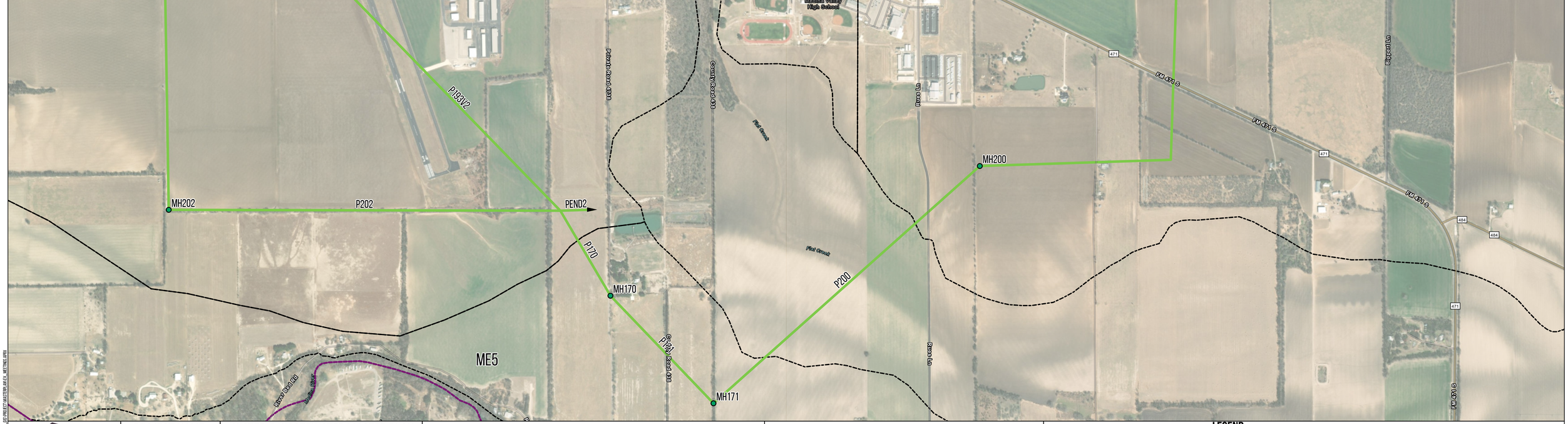
MH050 P060 P050 MH162 P166 MH166 P163 P140 MH163

MH190 MH208 P190 P160 MH161 P161 MH160 P162 P164 MH164

P208 MH193 P193V2 P150

MH202 P202 PEND2 P170 MH170 P171 P200 MH200 MH171

US Highway 90 E FM 471 S Airport Rd Kompf Ln Flat Creek Peterson Road 4783 County Road 4783 Bippert Ln Ross Ln Medina Valley High School Castroville Municipal Airport EAST 471 90 484



PROJECT NAME:	WATER & WASTEWATER MASTER PLAN
PROJECT NO.:	W0143-W015
DRAWN BY:	MARIA.AGUILAR
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CITY OF CASTROVILLE
WATER & WASTEWATER MASTER PLAN
ULTIMATE SEWER SYSTEM
AVERAGE STATIC RESULTS DETAIL (3/4)

LEGEND

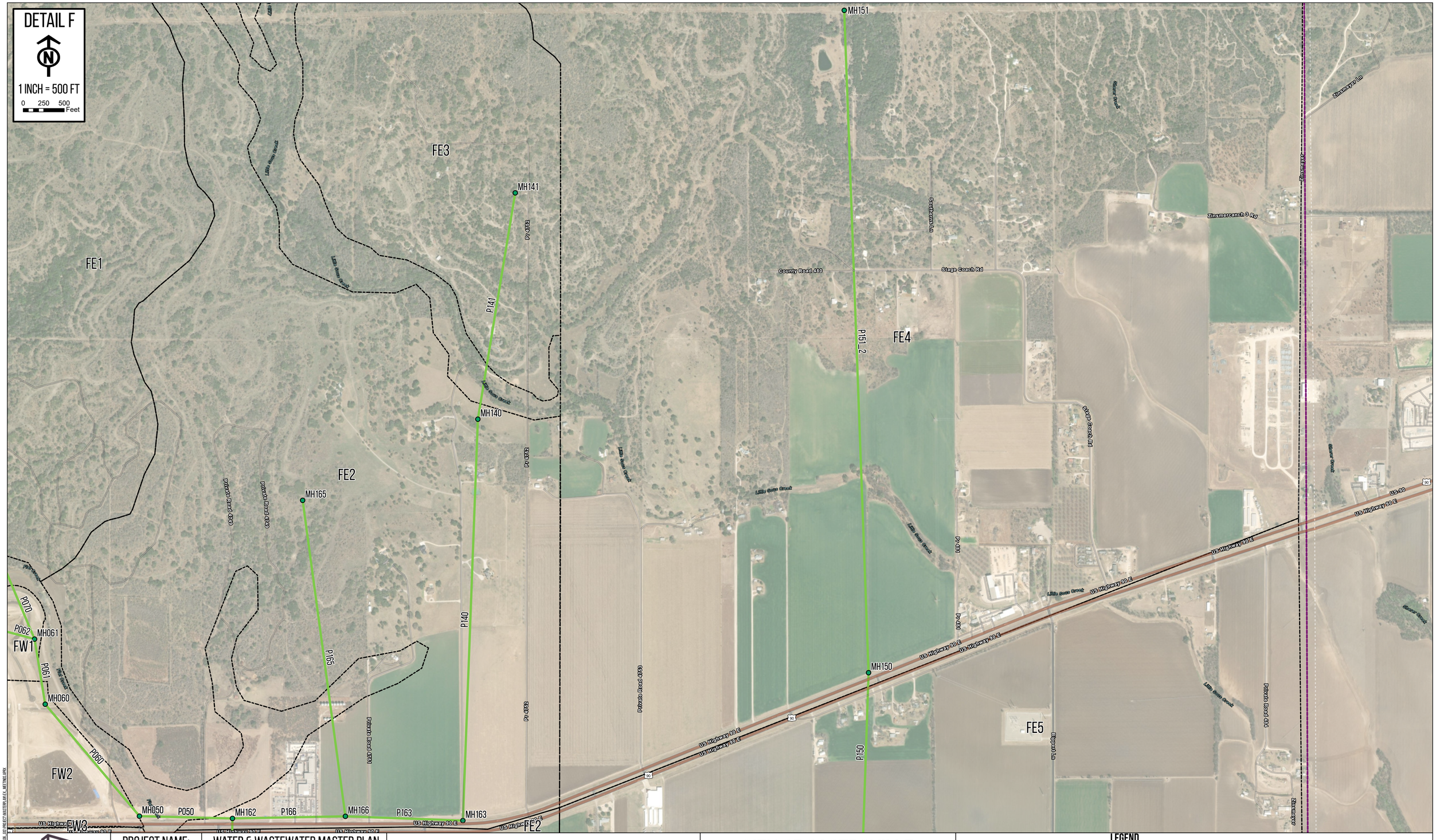
- SEWER SHED
- FORCE MAIN
- TREATMENT PLANT
- LIFT STATION
- MANHOLE STATUS AT AVERAGE FLOW DURING STATIC CONDITIONS
  - NOT FULL
  - SURCHARGE
- GRAVITY MAIN STATUS AT AVERAGE FLOW DURING STATIC CONDITIONS
  - GOOD
  - PRESSURE
- STUDY AREA

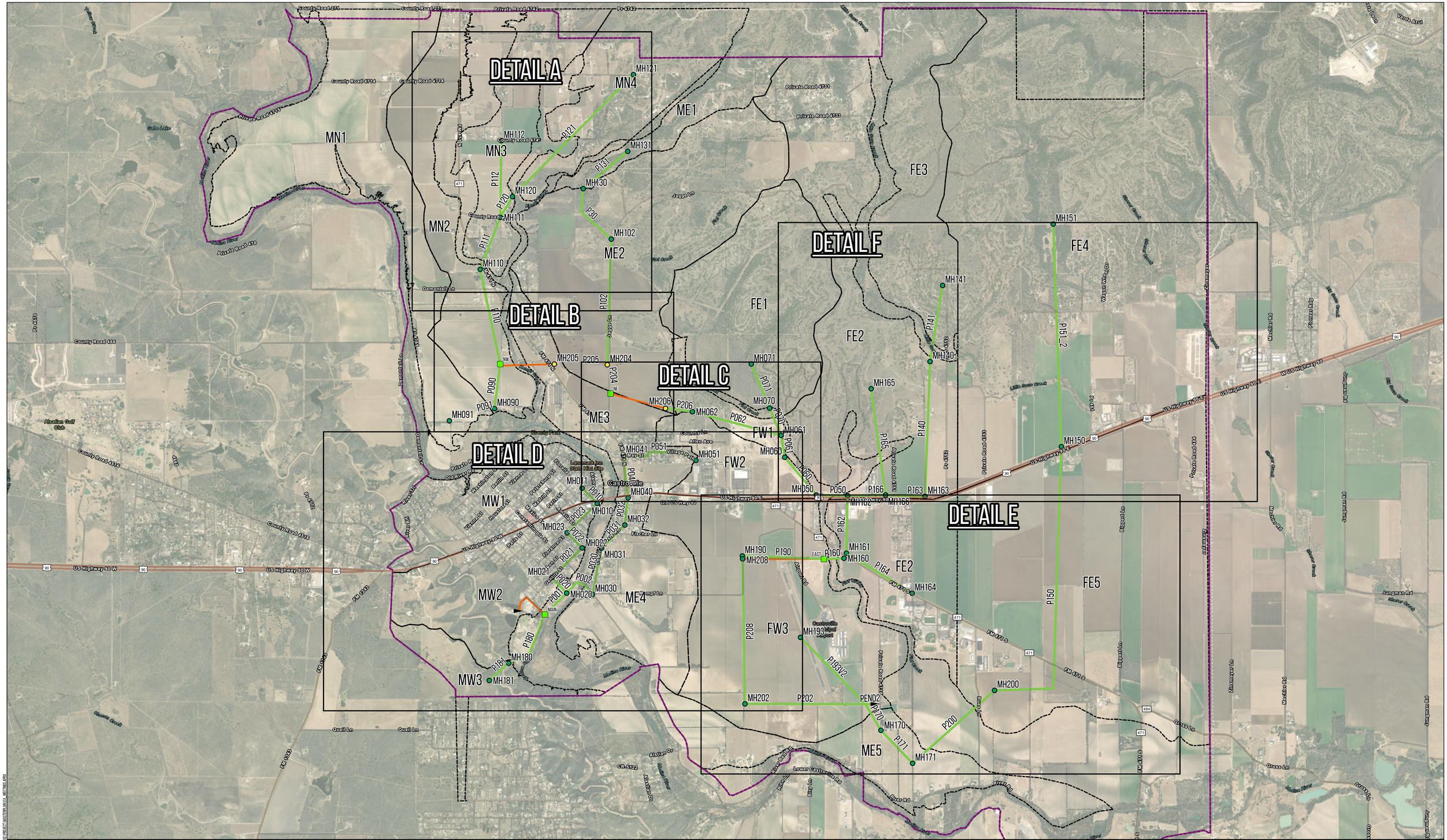
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DETAIL F

1 INCH = 500 FT

0 250 500 Feet




DETAIL A
DETAIL B
DETAIL C
DETAIL D
DETAIL E
DETAIL F
MN1
MN2
MN3
MN4
MW1
MW2
MW3
ME1
ME2
ME3
ME4
ME5
FW1
FW2
FW3
FE1
FE2
FE3
FE4
FE5
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MH130
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MH102
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P160
P164
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P202
PEND2
P170
P171
P200
P141
P140
P165
P151_2
P150
P162
P166
P163
P050
P065
P183V2
MAIN
NW
NE
EAST
Castroville
Lake Medina
Medina River
Quihi Creek
Seco Creek
Verde Creek
Big Elm Creek
Little Seco Creek
Flat Creek
Jungman Rd
Dunlap Rd
Pioneer Rd
Medina Rd
Zimmerly Ln
Grass Ln
Quail Ln
Dumont Ln
Jappe Ln
Fischer Ln
Allen Ave
Main St
Florence St
Dodd St
Angelo St
Athens St
Dallas St
Vienna St
Washington St
Old US Hwy 90
US Highway 90 W
US Highway 90 E
W US Highway 90
FM 471 S
FM 1343
FM 2676
FM 2790
FM 4343
Private Road 4733
Private Road 4734
Private Road 4742
Private Road 4715
Private Road 478
County Road 4714
County Road 4715
County Road 4716
County Road 4717
County Road 4718
County Road 4719
County Road 4720
County Road 4721
County Road 4722
County Road 465
Castroville Municipal Airport
Castroville Golf Club
Landmark Inn State Hist Site
Alsatian Golf Club
Lower Castroville Rd
Flying J Rd
Ryan Rd
Alsatian Dr
CR 5722
Pr 4730
Pr 4742
Pr 4733
Pr 4734
Pr 4731
Pr 4733
Pr 4734
Pr 4736
Pr 4737
Pr 4738
Pr 4739
Pr 4740
Pr 4741
Pr 4742
Pr 4743
Pr 4744
Pr 4745
Pr 4746
Pr 4747
Pr 4748
Pr 4749
Pr 4750
Pr 4751
Pr 4752
Pr 4753
Pr 4754
Pr 4755
Pr

DETAIL A

1 INCH = 500 FT

0 250 500 Feet

DETAIL B

1 INCH = 500 FT

0 250 500 Feet

DETAIL C

1 INCH = 500 FT

0 250 500 Feet

MH121 MH112 MH131 MH130 MH120 MH111 MH102 MH110 MH090 MH091 MH205 MH204 MH206 MH062 MH071 MH070 MH061 MH060 MH050 MH041 MH051 MH011

P121 P131 P112 P120 P30 P102 P111 P110 P090 P091 P205 P204 P206 P062 P071 P070 P061 P060 P051 P040 P010

MN1 MN2 MN3 MN4 ME1 ME2 ME3 FW1 FW2 FE1 FE2 MW1 ME4 FW3

County Road 4714 County Road 474 County Road 475 Private Road 4775 Pr 4740 FM 4570 N Demontell Ln Country Ln Allen Ave Briedon St May St Village Path Provident Ave Castroville Landmark Inn State Hist Site Walmart Walmart Fuel

Sandy Creek Pipeline Easement Pipeline Easement Pipeline Easement Pipeline Easement Pipeline Easement Pipeline Easement

PROJECT NAME:	WATER & WASTEWATER MASTER PLAN
PROJECT NO.:	W0143-W015
DRAWN BY:	MARIA.AGUILAR
CHECKED BY:	DARYL.SPILLMAN

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CITY OF CASTROVILLE

WATER & WASTEWATER MASTER PLAN

ULTIMATE SEWER SYSTEM

PEAK STATIC RESULTS DETAIL (1/4)

LEGEND

- SEWER SHED
- FORCE MAIN
- TREATMENT PLANT
- LIFT STATION

MANHOLE STATUS AT PEAK FLOW DURING STATIC CONDITIONS
- NOT FULL
- SURCHARGE

GRAVITY MAIN STATUS AT PEAK FLOW DURING STATIC CONDITION
- FULL
- GOOD
- PRESSURE
- STUDY AREA

J:\PROJECTS\W0143-CITY OF CASTROVILLE\TX-WWTP\5 - WWMP\MASTER PLAN\08_GIS\PROJECT MAPS\MASTER PLAN EX_ MEETING.APRX

DETAIL D

1 INCH = 500 FT

0 250 500 Feet

MN1 MW1 MW2 MW3 ME3 ME4 ME5 FW1 FW2 FW3 FE2

MH041 MH051 MH060 MH061 MH011 MH010 MH040 MH032 MH023 MH022 MH031 MH021 MH020 MH030 MH180 MH181 MH190 MH208 MH202

P051 P062 P010 P061 P080 P040 P010 P032 P023 P022 P031 P021 P030 P020 P002 P001 P180 P181 P190 P208 P202

MAIN

Castroville

Medina River

Private Road 4773

Old River Rd

County Road 4770

County Road 4515

US Highway 90 W

US Highway 90 E

Houston St

Fischer Ln

Kompf Ln

Old US Hwy 90

Walmart

Walmart Fuel

Cricket Wireless

Hotel Alsace and Spa

Koenig Park

Landmark Inn State Park Site

Tres Velas

Nicky's Alsatian Bakery

Country Ln

Briscoe St

Allen Ave

Village Path

Provident Ave

Sunnyland Dr

Washington St

Devitt St

Vienna St

Austria St

Naples St

Petersburg St

Madrid St

Lisbon St

Paris St

Mexico St

Athens St

Alsace Ave

Jackson St

Lafayette St

Florence St

Lorraine St

Westheim Dr

Strasbourg St

Airport Rd

FM 1343

FM 471 S

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TBPE FIRM NO. F-17502 • WWW.RESPEC.COM

PROJECT NAME:	WATER & WASTEWATER MASTER PLAN
PROJECT NO.:	W0143-W015
DRAWN BY:	MARIA.AGUILAR
CHECKED BY:	DARYL.SPILLMAN

CASTROVILLE
The Little Alsace of Texas

CITY OF CASTROVILLE

WATER & WASTEWATER MASTER PLAN

ULTIMATE SEWER SYSTEM

PEAK STATIC RESULTS DETAIL (2/4)

LEGEND

- SEWER SHED
- FORCE MAIN
- TREATMENT PLANT
- LIFT STATION

MANHOLE STATUS AT PEAK FLOW DURING STATIC CONDITIONS
- NOT FULL
- SURCHARGE

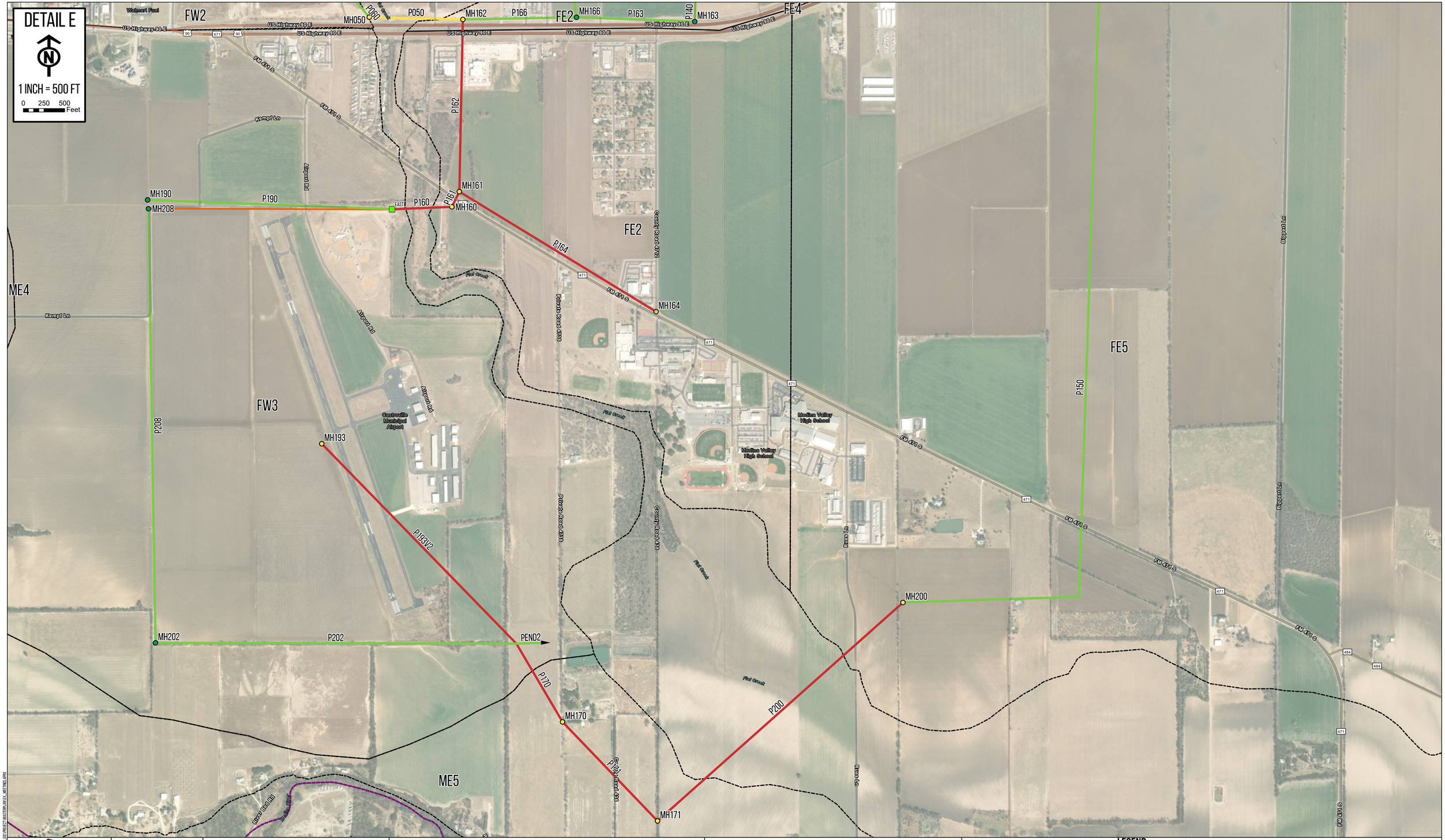
GRAVITY MAIN STATUS AT PEAK FLOW DURING STATIC CONDITION
- FULL
- GOOD
- PRESSURE
- STUDY AREA

X:\PROJECTS\W015-CITY OF CASTROVILLE TX\W015 - WWMM MASTER PLAN\06_GIS\PROJECT\MASTER PLAN\FIX_MEETING.APRX

DETAIL E

1 INCH = 500 FT

0 250 500 Feet



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CITY OF CASTROVILLE

WATER & WASTEWATER MASTER PLAN

ULTIMATE SEWER SYSTEM

PEAK STATIC RESULTS DETAIL (3/4)

LEGEND

- SEWER SHED
- FORCE MAIN
- TREATMENT PLANT
- LIFT STATION

MANHOLE STATUS AT PEAK FLOW DURING STATIC CONDITIONS
- NOT FULL
- SURCHARGE

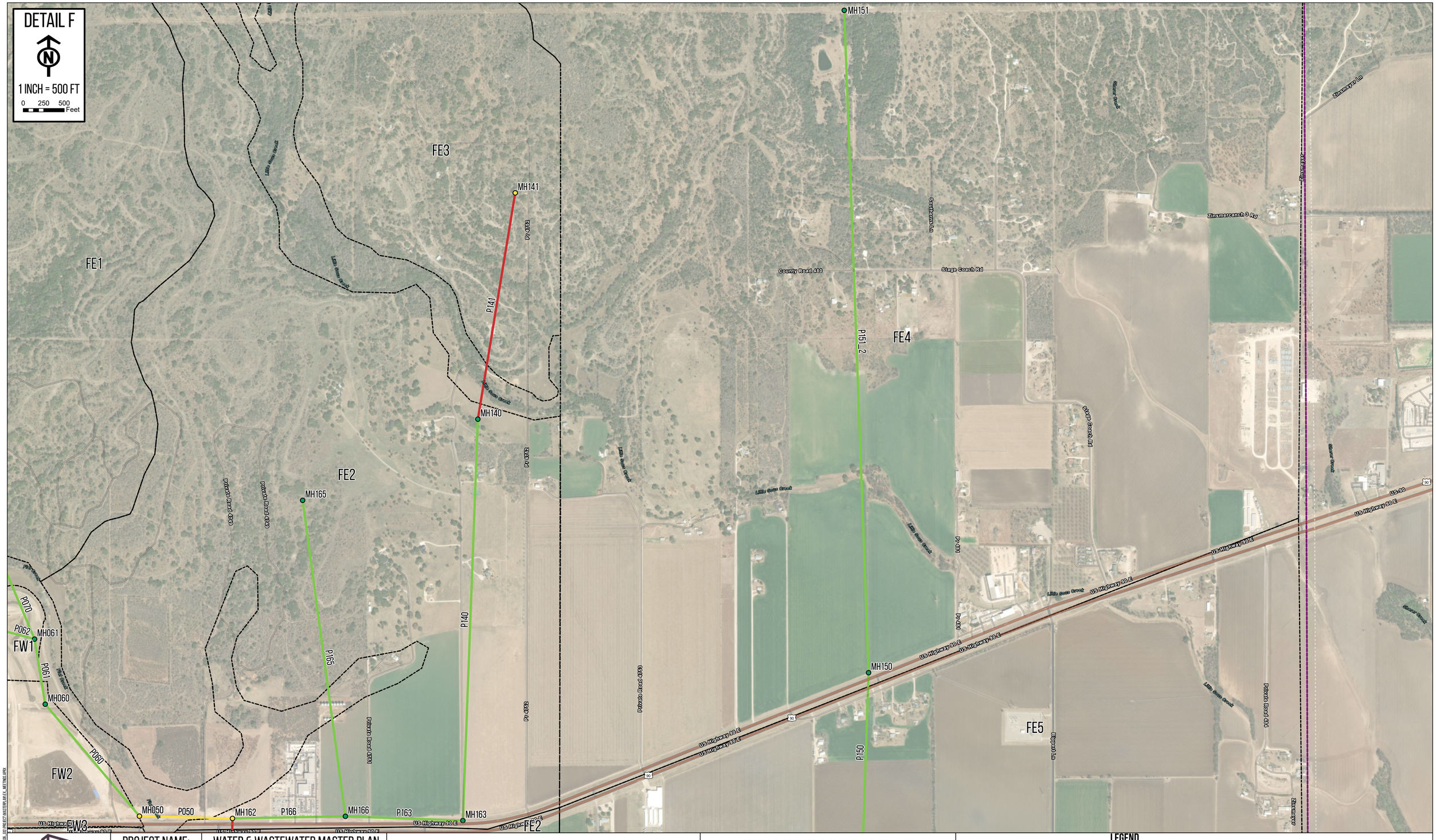
GRAVITY MAIN STATUS AT PEAK FLOW DURING STATIC CONDITION
- FULL
- GOOD
- PRESSURE
- STUDY AREA

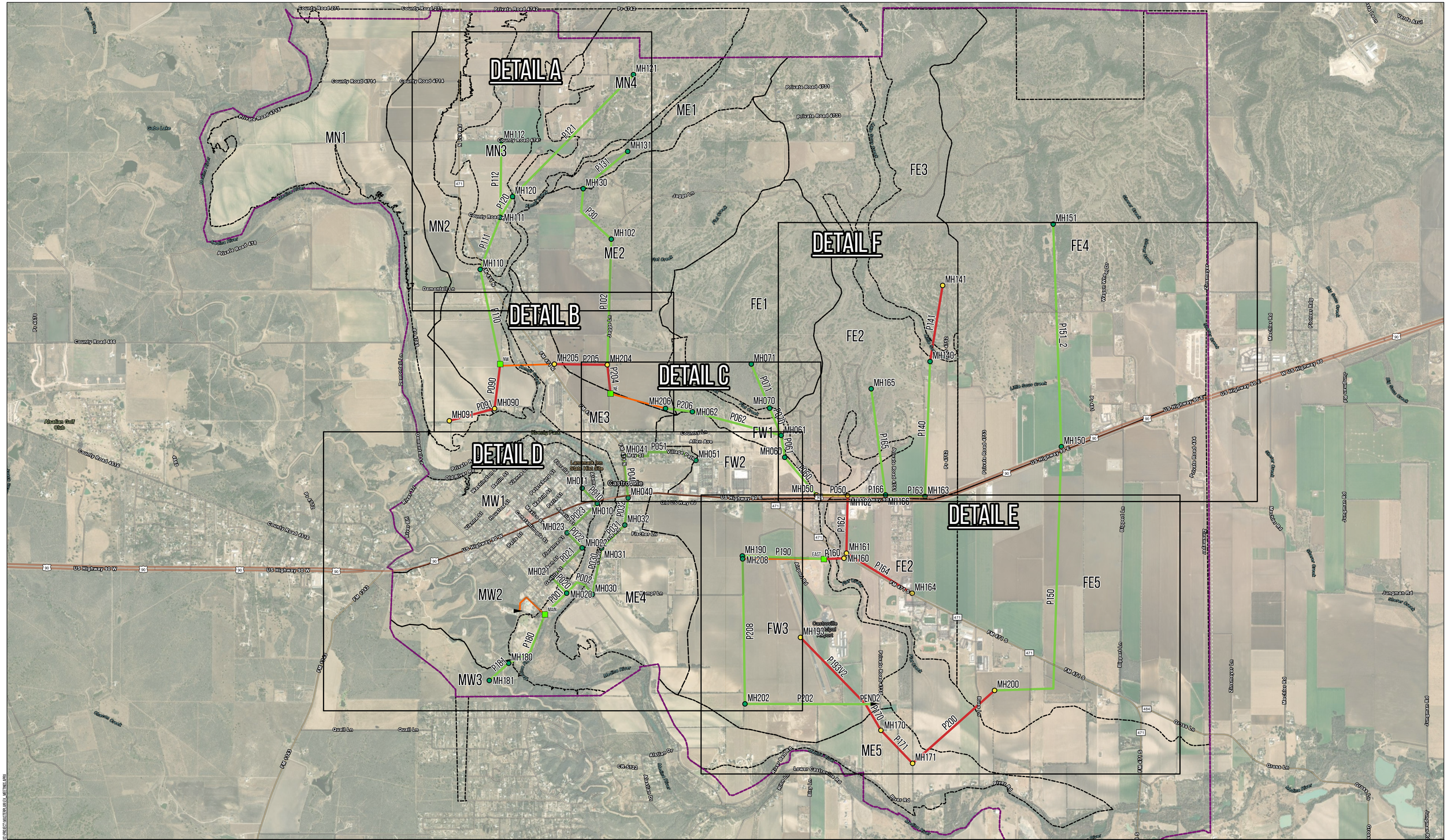
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DETAIL F

1 INCH = 500 FT

0 250 500 Feet





PROJECT NAME:	WATER & WASTEWATER MASTER PLAN
PROJECT NO.:	W0143-W015
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CITY OF CASTROVILLE
WATER & WASTEWATER MASTER PLAN
ULTIMATE SEWER SYSTEM
PEAK STATIC RESULTS

LEGEND

- SEWER SHED
- FORCE MAIN
- TREATMENT PLANT
- LIFT STATION

MANHOLE STATUS AT PEAK FLOW DURING STATIC CONDITIONS
- NOT FULL
- SURCHARGE

GRAVITY MAIN STATUS AT PEAK FLOW DURING STATIC CONDITION
- FULL

- GOOD
- PRESSURE
- STUDY AREA

N

1 INCH = 1,500 FT

0 750 1,500 Feet

A:\PROJECTS\W0143-CITY OF CASTROVILLE\TX\W015 - WWMM MASTER PLAN\06_GIS\PROJECT\MASTER_MAP.PX, METINEC.APRX