

WASTEWATER COLLECTION SYSTEM MASTER PLAN

Submitted to:
Town of Erie



Submitted by:



2480 West 26th Avenue, B225 • Denver, CO 80211
Tel: +1 303-964-3333 • Fax: +1 303-964-3355
www.merrick.com

August 6, 2020

Town of Erie
c/o Wendi Palmer, PE, Civil Engineer
645 Holbrook Street
Erie, Colorado 80516

RE: WASTEWATER COLLECTION SYSTEM MASTER PLAN

Dear Wendi:

Submitted herewith is the Wastewater Collection System Master Plan for the Town. The Master Plan should serve as a long-range planning tool for the Town's wastewater system, providing guidance for implementing capital improvements to meet future growth needs. The Plan has been based on development projections as established in the Comprehensive Plan and North Water Reclamation Facility Master Plan. The Planning Area Boundary has been adopted as a logical service area.

Conclusions reached during development of the Master Plan include:

- The Town will continue to experience significant growth, with a projected 2030 population of 54,300.
- Ultimate maximum day wastewater flow is estimated to be 10.6 MGD.
- Recommended improvements include both needed upgrades to address existing capacity issues and new trunk sewer extensions, interceptors, upgrades, and improvements needed to meet projected flow increases in the next 20 years.

We appreciate the opportunity to work with you on this important planning project.

Merrick & Company



Clare Steninger, PE



Terry Kenyon, PE

Enclosure: Wastewater Collection System Master Plan



2480 W. 26th Street, Unit B225
Denver, Colorado 80211



Tel: +1 303-964-3333



hello@merrick.com
www.merrick.com

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Section I – Introduction

Background

The Town of Erie is located in Boulder and Weld Counties, north of the Denver Metro area and east of the City of Boulder. The Town provides wastewater collection and treatment for approximately 28,310 residents as well as several commercial and industrial developments. The existing system is comprised of approximately 110 miles of sanitary sewer mains, over 3,000 manholes, and 2 flow monitoring vaults at the treatment plant. The North Wastewater Reclamation Facility (NWRf) was completed in 2011, replacing the South Water Reclamation Facility (SWRF). Anticipated expansions to the NWRf will result in a new permitted capacity of 3.03 MGD.

In recent years, the Town has experienced substantial growth and planned development within its planning boundary. Growth will impact the existing wastewater utility, necessitating significant investment in new infrastructure. The Town recognizes the need to update its comprehensive wastewater collection system master plan to help guide the growth of its utility system.

The Town has several previous updates to its Wastewater Master Plan. Burns and McDonnell completed the Wastewater Utility Plan in 2015. This latest collection system master plan updated the 2013 Wastewater Utility Plan (Indigo Water Group LLC) and 2006 Water and Wastewater Master Plan (Black and Veatch). The 2015 Master Plan provides corrected population projections, based on the original 2005 Town of Erie Comprehensive Plan and 2015 population estimate. The 2013 Plan offers a limited discussion of the collection system and updated hydraulic model using Innovyze software; modeling showed the system to under 70% capacity and did not identify any surcharges. The plan recommended two interceptors and two lift stations to serve undeveloped areas in the future, with temporary lift stations serving outlying developments until the permanent interceptor/lift station system is built. The 2006 Plan was amended based on results of the first hydraulic model of the collection system in H2OMap Sewer. However, this model was not calibrated with flow monitoring data. This Plan recommended four lift stations and four interceptors, two of which have been built – NWRf interceptor and Kenosha Farms Lift Station Bypass (now decommissioned).

In 2019, HDR completed a Master Plan for the expansion of the Northern Water Reclamation Facility (NWRf). While this master plan focused on the treatment plant, updated population and growth estimates were included that will influence this collection system master plan.

Purpose

The purpose of this Wastewater Collection System Master Plan is to update the predictions and recommendations established in the 2015 Wastewater Utility Master Plan, particularly for the wastewater collection system. Since the last master plan, numerous developments have been

constructed, the Town's Comprehensive Plan was updated (2015), the Town's Land Use Plan Map was updated (2017) , and possible areas for annexation were identified. This information was used to reassess ultimate wastewater flow projections and evaluate the wastewater collection system.

This Master Plan updates the existing water utility assets to reflect existing conditions of regional facilities including major interceptors. This updated Master Plan addresses changes and issues within the wastewater collection system specifically. The goals of this Wastewater Collection System Master Plan update are to:

- Review the previous reports and models.
- Review planned development and establish future wastewater flow loadings.
- Summarize flow monitoring data previously collected.
- Assess the condition and operations of the major trunk sewer mains.
- Create an up-to-date hydraulic model of the collection system using Innovyze InfoSewer software.
- Prepare preliminary level cost estimates and timeline for any improvement phases recommended within the next (approximately) 15 years.

Section II – Design Criteria and Flow Projections

Service Area

The study area for the Wastewater Collection System Master Plan Update is the Planning Area Boundary (approximately 46 square miles) established by Erie's 2015 Comprehensive Plan plus probable areas of annexation as identified with staff, e.g. the Parkdale development area. This defines a logical boundary for efficient expansion of municipal services to undeveloped areas, providing a basis of inclusion for determining future demands. Additionally, residential areas currently on septic may connect to the collection system in the future and were considered as an alternative to the ultimate build-out analysis. The Town's service area is tributary to the NWRF and is shown in the Wastewater Collection System Master Plan Map on Figure WW-1. The total service area comprises approximately 39 square miles and includes current undeveloped areas.

Land Use Planning and Growth Projections

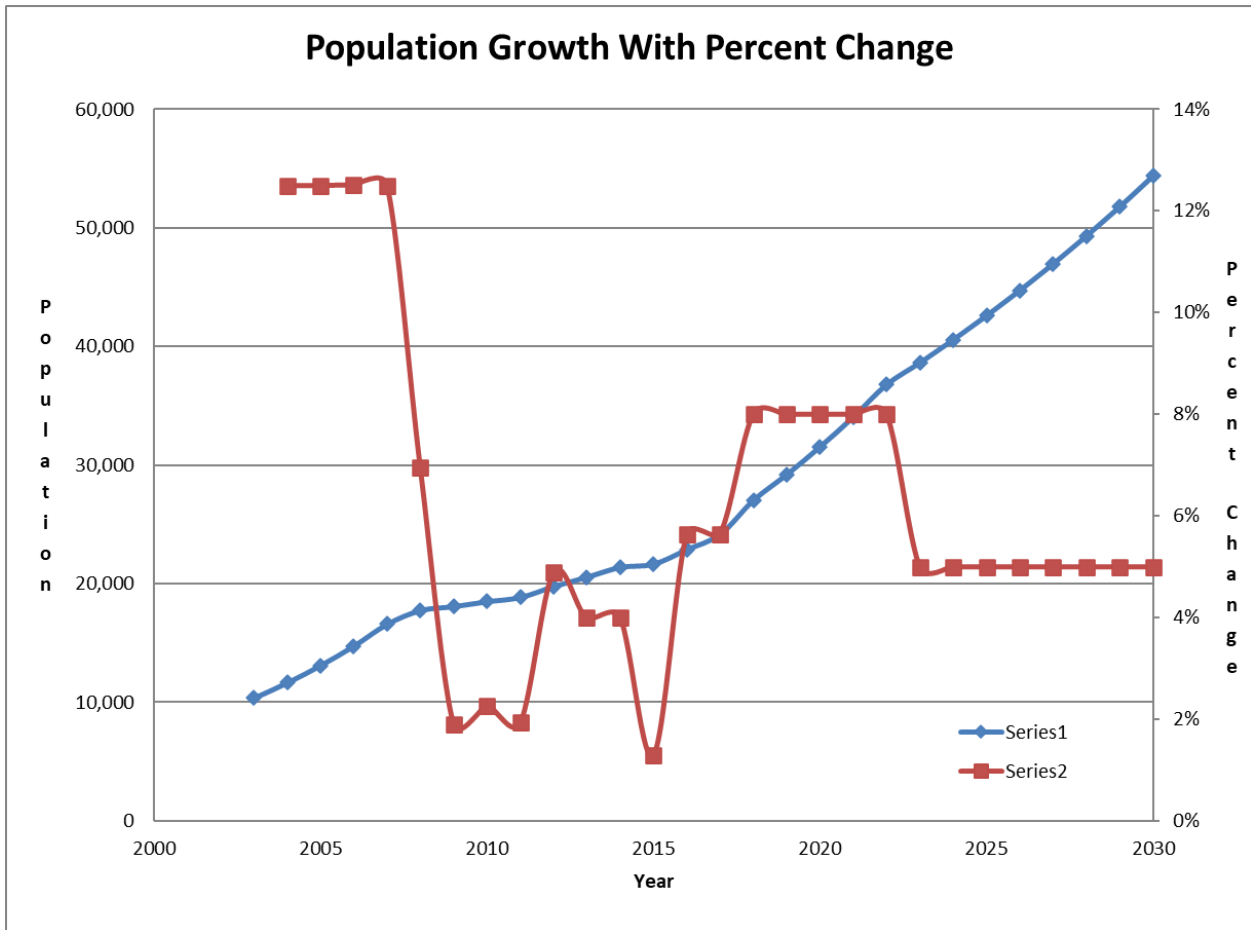
A number of planning and engineering reports have been completed over the last couple decades and have estimated current and projected growth and resulting population. Growth projections are based on the Town's various planning documents.

Merrick's analysis of the growth forecasts, combined with percent change, have been graphed on Figure 1. This illustrates the greatly varying growth experienced over the past 10 years. Years 2003 – 2007 showed growth well above 10% per year; yet, due to the economic downturn, the trend drastically decreased to approximately 2% per year in 2008 – 2012 and in 2015.

The previous Comprehensive Plan projected rapid growth: 6% through 2010 and a forecasted 4% average growth to build-out. The updated 2015 Comprehensive Plan revised its projected annual population growth to 3.3%, based on slow growth between 2012 and 2015. However, population growth rose again in 2016 and 2017 to 5.6%, so the previously forecasted 4% growth rate fits the average growth over the past 10 years.

As part of the 2019 NWRF Expansion Master Plan, HDR estimated future growth projections based on recent population data. From their analysis, the recommended population growth rate is 8% exponential growth rate until 2022, and then 5% exponential growth rate from 2023 and on. To be consistent across various master planning documents, Merrick has incorporated these growth rates and Figure 1 (below) illustrates the population and growth rate projections. The projected 2030 population is about 54,300.

Figure 1: Population Projections



Population projections are frequently relied on for establishing wastewater flows. The assumption is that population increases are proportional to the wastewater usage (i.e. if population doubles, wastewater usage would also double). This approach is overly simplistic, particularly for communities where the relative mix of commercial and industrial customers with very different flow requirements, may change over time. The majority of Erie’s existing and projected growth is residential, but there are several areas of commercial and industrial uses, especially along the Interstate 25 (I25) corridor.

The Equivalent Residential Unit (EQR) is considered to provide a more accurate estimate of historic and projected demands. This method uses a “common denominator” approach, establishing a typical single-family residence as one EQR, to equate wastewater flows for different user categories. More detail on EQR determination is provided in the Wastewater Flow Projections section.

Ultimate development projections, especially for undeveloped areas, were estimated from the land use categories and corresponding areas in the Town’s 2015 Comprehensive Plan. The Land Use Plan

Map (updated 2017) is shown in Appendix A. The residential land use densities from the Comprehensive Plan are presented in Table 1 below:

Table 1: Land Use Density

Land Use	Density
Rural Density	1 unit/acre
Low Density	4 units/acre
Medium Density	8 units/acre
High Density	16 units/acre
Mixed Use	50% Land Medium Density

Wastewater Flow Projections

The Town's collection system serves single family and multi-family developments; various commercial developments, including restaurants and other retail establishments; some light industrial areas; and municipal facilities, such as schools, parks, and recreation centers. The wastewater flow varies diurnally (i.e. hourly, daily); design flows must be defined to properly design the collection system. Wastewater collection systems are typically analyzed for the following flow loadings: average day, maximum month, maximum day, and peak hour. The presence of inflow and infiltration (I/I) is another important component in understanding the temporal variations in wastewater flows.

The average day is used for estimating total water requirements based on average annual use. The maximum month is used to relate flows to the NWRf's discharge permit. The maximum day is the highest daily flow rate which can be expected and is used to size the water reclamation facility. The peak hour is the highest expected demand in any 60-minute period of one day and used to evaluate the collection system network, including mains, monitoring and lift stations.

Maximum/Average Day Ratio

To establish the historical maximum month, the Town provided monthly wastewater influent flow records from the NWRf's for the years 2010-2017. Daily influent records between April 2016 – December 2018 (except for April 2017 when meter was offline) provided information on the average day, maximum day, and peak hour flows experienced at the NWRf. These flow records and the

relationship between average day, maximum month, maximum day, and peak hour flows were calculated and are shown in Table 2 below.

Table 2: Summary of NWRf Influent Flow Data

Year	Max. Month (MGD)	Average Day (MGD)	Max. Month: Avg. Day	Max. Day (MGD)	Max. Day: Avg. Day	Peak Hour (MGD)	Peak Hour: Max. Day
2010	1.09	1.01	1.08				
2011	1.19	1.07	1.10				
2012	1.16	1.09	1.06				
2013	1.67	1.22	1.38				
2014	1.23	1.18	1.04				
2015	1.50	1.25	1.20				
2016	1.38	1.30	1.06	1.98	1.52	5.52	2.79
2017	1.60	1.42	1.12	2.66	1.86	4.89	1.84
2018	1.56	1.50	1.04	2.17	1.45		
MEAN			1.07		1.61		2.32

In recent years, the mean ratio of maximum day to average day flow has been 1.61, whereas the mean ratio of peak hour to maximum day flow is 2.32. The mean ratio of maximum month to average day flow over the past 9 years is 1.07.

The mean ratio of maximum day to maximum month is 1.50. This ratio was rounded to 2.0 for use with special cases such as schools, churches, municipal, and existing commercial properties to relate observed maximum month flow water use data to maximum day flows.

Peak Flow Demands

While wastewater flows vary throughout the day due to typical diurnal patterns, collection and transmission lines must be sized to handle the peak instantaneous flow rates. Peak wastewater flow rates are estimated by determining the average daily rate (for a maximum day) and then applying a peaking factor.

The Town's current design criteria specify that peaking factor shall not be less than 2.5 or greater than 5; the current Town peaking factor is calculated using the following equation:

$$PF = \frac{3.8}{ADF^{0.17}}, \quad \text{where ADF is the average day flow in MGD.}$$

Since peak flows are critical in appropriately designing the collection network, manhole monitoring would offer additional information on flow differences throughout the system. Merrick assisted the Town with manhole monitoring as part of a 2016-2017 Flow Monitoring Study. This study evaluated infiltration and inflow to the system leading to analysis of peaking factors throughout the collection system. This study is summarized in the Inflow/Infiltration Section below. As recommended in the Flow Monitoring Study, the analysis of peaking factors to-date have indicated that using the peaking factors from the City and County of Denver criteria would be more appropriate for determining Erie's collection system capacity. The City and County of Denver peaking factor is given by the formula:

$$PF = \frac{2.6}{ADF^{0.16}}, \quad \text{where ADF is the average day flow on the Maximum Day in cfs.}$$

Infiltration and Inflow

Infiltration and inflow (I/I) also contribute to peak loadings experienced by the collection system. I/I must be limited because of its deleterious effects at the treatment facility and use of pipeline capacity.

In June 2016, the Town of Erie began monitoring sewer flow rates at 10 different manholes located throughout the collection system. The purpose of this study was to tabulate and evaluate the manhole monitoring data in order to investigate the effects of I/I on the system, as well as provide recommendations on additional actions to take to reduce I/I, if determined necessary. The Town does not have any permanent monitoring vaults, so monitoring equipment was contracted over the study period. Merrick aided the Town in data collection and analysis, culminating in Manhole Monitoring Evaluation Report (February 2018). This report is provided in Appendix B.

Initially, the data observed from June 2016 through February 2017 did not indicate any correlation between precipitation events and sewer flows throughout the collection system, both when considering daily flow trends as well as peak flows. However, monitoring data collected during the May 18, 2017 storm indicates that there are observable impacts of I/I on the system during a 7-year return period storm or during storm events, implying low lying manholes. Percentages of observed peak hour wastewater flow (PHWWF) attributed to rainfall derived infiltration/inflow (RDII) were between 25% and 70% at the monitoring locations. There was an estimated 50% RDII contribution for the entire system based on influent flows at the NWRF. Less significant storms (less than 1-year recurrence interval) observed over the study period did not correlate well with instances of peak flow at the monitoring locations.

By their nature, high-recurrence interval storms occur infrequently, making it unlikely to collect data on multiple storms with recurrence intervals greater than 1-year during a study period of 20 months. I/I response can also vary significantly from storm to storm, due to factors such as the spatial distribution of the rainfall and antecedent soil moisture conditions. This combination of a small

sample size with high sample variance results in a high degree of uncertainty for developing a predictive I/I model for capacity planning purposes. However, despite these limitations, incorporating the results into current system capacity modeling and design efforts are a significant improvement over not accounting for wet weather events in sewer capacity planning efforts or relying on typical I/I contribution values.

For this master plan, infiltration was incorporated into the EQR estimates per the land use type and flows found in the Town’s design standards. An additional 20 gpd/EQR (unpeaked) was added to the maximum day flow. While it is highly unlikely for this storm event and the peak hour on the max day to occur at the same time, the conservative estimate of capacities will allow for longevity and resiliency in the collection system.

Equivalent Flow per Residential Unit

The equivalent residential unit (EQR) is used to establish a “common denominator” approach to estimating demands. Relating the flow data to the number of existing service taps provides the calculated EQR for Erie. The Community Development Department provided updated numbers of constructed dwelling units by year. From this data, the maximum day flow per residential unit was calculated. Table 3 shows that the maximum day wastewater flow per residential unit is about 260 gpd. This figure is only slightly higher than the Town’s current design criteria, i.e. 90 gpd per capita with 2.89 people per dwelling unit equals 248.4 gpd/EQR. Therefore, a value of 250 gpd/EQR was adapted for evaluating future developments.

Table 3: Demand by Dwelling Unit

Year	Dwelling Units	Maximum Day Flow MGD	Maximum Day Flow per Residential Unit (gpd/EQR)
2016	8,203	1.98	241
2017	8,666	2.66	307
2018	9,000	2.17	241
Average			263
Master Plan			250

Dwelling units (2015-2017) based on building permit data.

An inventory of developable area was created based the Town's 2015 Comprehensive Plan, Land Use Plan Map (revised June 2017), and GIS information. See Appendix A for more information about the land use maps from the 2015 Comprehensive Plan.

Once developable parcels were identified, development density plans were referenced to determine local loads based on equivalent residential unit (EQR). In residential areas, development constitutes EQR per lot. The updated ultimate residential wastewater flow projection is:

$$30,695 \text{ units} \times 250 \text{ gal/day/unit} = 7.7 \text{ MGD}$$

In cases where specific residential development density information was not available, loads were calculated utilizing the Comprehensive Plan land use densities per area. As stated in the Comprehensive Plan, only 0.5% of the existing land use within Erie is commercial. However, almost 1,900 acres are assigned a land use of commercial/business in the Comprehensive Plan and the Land Use Plan. There were no specific high-water demands (and therefore high wastewater use) for industry identified in the Plan. The Town's current schedule for wastewater flow rates, which includes an allowance for infiltration, is provided in its sanitary sewer facility design standards and shown in Table 4 below:

Table 4: Town of Erie Design Flow Criteria

User Type	Unit Wastewater Flow Rate
Residential	90 gpd/capita X 2.89 people/unit
Industrial	1,500 gpd/ acre
Commercial	1,000 gpd / acre
Park/Recreation	50 gpd / acre
Elementary Schools	15 gpd/ student
Middle/High Schools	20 gpd / student

Using water records and experience with similar systems, the updated the wastewater flow EQR schedule was developed to assign flows to undeveloped areas based on the 2015 Comprehensive Plan land use categories. The updated EQR schedule is presented in Table 5.

Table 5: EQR Schedule

	Land Use Category	Loading (EQR/Acre)
Residential	Rural Residential (RR)	1
	Low Density Residential (LDR)	4
	Medium Density Residential (MDR)	8
	High Density Residential (HDR)	16
Mixed Use	Mixed Use (MU)	4
	Downtown (DT)	4
Commercial	Neighborhood Commercial (NC)	4
	Community Commercial (CC)	4
	Regional Commercial (RC)	5
Business/ Industrial	Business	4
	Industrial	6
School	School	2*

* Existing schools used peak month flow with 2 safety factors. Future schools used 2 EQR/Acre if area was known, otherwise 25 EQR based on typical school use data.

This projection scenario does not include areas currently designated as Open Space or Agriculture or areas that are already served by other jurisdictions. Areas served by other jurisdictions or areas that will not be served by Erie in the future are shown hatched on the Wastewater Collection System Master Plan Map on Figure WW-1. Open space and agricultural areas were not included in wastewater loadings and are not called out on Figure WW-1. With the adjusted build-out projections, the Ultimate Maximum Day Flow for the Town of Erie is estimated to be 10.6 MGD. Table 6 presents the ultimate projected flows separated by customer classification.

Table 6: Projected Wastewater Flows in Service Area

Customer Classification	EQR	Maximum Day Flow, gpd/EQR	Maximum Day Flow, gpd
Residential	30,695	250	7,673,750
Commercial	6,341	250	1,585,250
Industrial	4,704	250	1,176,000
Schools	375	250	93,750
Churches	38	250	9,500
Park/Recreation	70	250	17,500
Municipal / Other	40	250	10,000
Estimated Maximum Day Flow			10,565,750

This projected build-out results in approximately 3 MGD greater flow than the previous Master Plan projected. This ultimate flow projection assumes extensive future growth; all recommended improvements should be based upon development and staged with appropriate trigger points.

This Master Plan also identified some existing homes with septic systems that may connect to the Town's collection system in the future. Under this scenario, an additional 0.15 MGD need to be added to the ultimate maximum day flow.

Section III – Existing Collection System

Basins/Sub-Basins

Fifteen drainage basins are identified in Figure WW-1. The existing collection system serves 9 of these basins, with 1 basin in development, and 5 undeveloped basins. Basins were further divided based on existing or future developments and their loading point locations. These subbasins are not included on Figure WW-1 for clarity.

Quantitative & Qualitative Assessment

The existing collection system consists of gravity pipelines; most of the system is relatively new and constructed of Polyvinyl Chloride (PVC). VCP in the “old Town” area have been lined using CIPP. The size range in the collection system is 6-inch to 36-inch diameter. There are approximately 591,600 lineal feet of pipe and 3,100 manholes currently installed.

The main collection interceptor (South Coal Creek) runs north through Town along Coal Creek and NE County Line Road to the NWRF. Other major existing collection mains include the West Side Interceptor, 119th Street (Orchard Glen) Interceptor, County Road 3 (Colliers Hill) Interceptor, and Coal Creek (Erie Parkway) Interceptor.

Since the collection system is relatively new and mostly constructed with PVC pipe, it is probable that manholes are the primary contributor of I/I. The results of the manhole monitoring evaluation suggest that I/I are not a regular concern for the collection system but high intensity storm events during the monitoring period did affect the peak hour wastewater flows. Town operators have also noted influent increases at the NWRF following snow fall events, which indicates that snowmelt may be pooling around manholes and entering the collection system. The Town has expressed interest in infiltration dishes to minimize inflow into sanitary sewer manholes.

The Town is developing rapidly with planned developments along Erie Parkway in the east, along Jay Road in the west, along Colorado Highway 7 in the south, and along I-25 and State Highway 52 in the northeast.

Lift Stations

The Town does not have any lift stations currently in service that serve along interceptors. The Kenosha Lift Station was decommissioned in 2010 when the NWRF was installed. However, there is a local lift station in Vista Ridge Filing 6 that connects to local sewers and eventually to the 10” in Bonanza Drive. This lift station was not part of the interceptor analysis. It is shown on Figure WW-1.

Treatment Facilities

The Town's North Water Reclamation Facility (NWRF) was constructed in 2010 north of State Highway 52, on the north side of Town. The NWRF has a permitted capacity of 1.5 MGD and 3,233 pounds BOD5 per day. The Town is currently in design to increase the NWRF's capacity to 3.03 MGD and 9,376 pounds BOD5 per day. The facility includes headworks screening and grit removal, staged aeration basins, clarifiers, effluent filters, and ultraviolet (UV) disinfection system. The effluent outfalls to the South Boulder Creek. During summer months, the NWRF facility reuses about 50% to 60% of its effluent to irrigate properties throughout Town via its non-potable water distribution system. The NWRF has a dedicated reservoir and pump station for returning reclaimed water to the non-potable water system.

The Town also owns the decommissioned South Water Reclamation Facility (SWRF) located north of downtown on Briggs Street.

Section IV – Collection System Master Plan

Overview

The goal of the Wastewater Collection System Master Plan is to present an optimum system design – and provide overall guidance for extension of service for projected ultimate development.

Construction of future trunks, located schematically on Figure WW-1, should be undertaken on a schedule as dictated by development. The trunks have been laid out to provide gravity service, and to utilize existing capacity where applicable. The sizes noted on Figure WW-1 for ultimate trunks are to be considered approximate. Actual development would govern required sizing and should be reviewed during the design process.

Design Criteria

To facilitate analysis and evaluation of the regional trunks and interceptors, the service area was segregated into basins and sub-basins. Basin boundaries are primarily dictated by existing flow patterns and topography to allow for gravity flows whenever possible.

Pipe Capacities

Gravity sewer capacities are a function of pipe size, slope, and to some extent, pipe material and condition. Sewers should be designed to maintain a minimum velocity of 2.0 feet per second (fps), based on full pipe.

It is generally accepted practice to design new sewers at about 50 percent of pipe capacity (0.50 d/D or safety factor of 2) for 12-inch and smaller sewers and about 0.70 d/D for larger sewers. For evaluation of existing sewers, judgement is used in applying safety factors, i.e. we would not replace a sewer just because it was over 70 percent capacity.

Construction

The Town of Erie requires all new sewer mains to be PVC with a minimum 8-inch diameter. Since gravity sewers are greatly influenced by pipe slope and size, it is important for all sewer pipes to be installed correctly to maintain proper slopes. The proposed pipe sizes shown on Figure WW-1 are recommended sizes and actual development would govern final sizing requirements. For developments with future developments upstream, sewers shall be constructed for full build-out conditions as the Town will not be responsible for upsizing pipes in the future.

Hydraulic Modeling

Description

Merrick used the Town's latest GIS information to update the Innovyze InfoSewer hydraulic model of the collection system. Additional information about the existing system was acquired through as-built construction plans and field visits. Conflicts in pipe sizes, lengths, or inverts were resolved with Town staff or as-built information. Existing and ultimate flows were used to evaluate the capacity of the pipes.

For the ultimate build-out conditions, existing pipes that connect known future developments to the existing interceptors were included in the modeling. Proposed pipes for several developments were also included in the model based on preliminary designs. These pipes are designated as "Planned Development" on the Master Plan in Figure WW-1.

For ultimate build-out conditions, conceptual level design for sewers were included in the hydraulic model, intended to help determine the viability of the master plan. More detailed design should be completed based on actual development plans (prior to construction). The typical depth for proposed sewer interceptors has been based on providing gravity service for basements, typically about 12-feet. However, in some areas along the I25 and Highway 52 (HWY52) corridors, the cover is shallower or deeper depending on topography. Final slopes must be confirmed during preliminary design.

Assumptions and Calibration

For all modeled pipes, a Manning's roughness coefficient of 0.012 was assumed, as the majority of the existing system is PVC.

This Master Plan model was loaded for max day flows with the Denver Peaking Factor. Loads were determined based on existing lots (residential), existing flows (schools, commercial, etc.), and Comprehensive Plan land use category flows. Loads were then applied to appropriate manholes in the model.

Analysis and Discussion

The majority of the collection system has adequate capacity for ultimate build-out conditions. For items with marginal or inadequate capacities, please refer to the item numbers discussed and their corresponding location on the Wastewater Collection System Master Plan on Figure WW-1. Model manhole and pipe output tables are presented in Appendix C.

Capacity Analysis

Adverse Slopes

Based on the information provided by the Town through GIS data and as-built information, several sewers with either flat (0 percent) or adverse (negative) slopes were identified. In existing conditions, these slopes impact interceptor capacity locally, but could become problematic with future development. It is recommended that these sewers be further evaluated to address capacity issues with future development and replaced if determined necessary. Table 7 below describes the location and condition of the adverse or flat sloped pipes. The Map Number specified in the table corresponds to the location of these pipes on Figure WW-1.

Table 7: Adverse or Flat Slopes

Map Number	Pipe ID	Interceptor Basin	Location Description	Size (in)	Length (ft)	Slope (ft/ft)
1	TOE_2787-EVF4_46	West Side	South of Erie Village	21	495	0
2	TOE_2786-TOE_2784	West Side	South of Erie Village	21	505	0
3	TOE_2781-TOE_2782	West Side	119 th St North of Jasper Road	18	388	0
4	TOE_2774-TOE_2775	West Side	North of Jasper Road, West of 119 th St	18	352	-0
5	OTF1_89-OTF1_90	Old Town	Along Evans St.	8	329	-0.007
6	TOE_2744-TOE_2591	Old Town	Under Coal Creek	30	437	0

Pressurized Pipe

In addition to the adverse or flat sloped pipes, there are several instances where existing pipes exceed capacity and become pressurized with ultimate build-out loadings, see Table 8 on the following page. This is typically due to these pipes having flatter slopes than upstream or downstream pipes. The Map Number specified in the table corresponds to the location of these pipes on Figure WW-1.

Table 8: Pressurized Pipes (d/D>1.0)

Map Number	Pipe ID	Interceptor Basin	Location Description	Size (in)	Length (ft)	Slope (ft/ft)
7	ECF4_134-ECF4_135	Canyon Creek	South of Erie Parkway	12	301	0.0017
8	TOE_2715 to TOE_2717	West Side	111 th St	10	282	0.004
9	TOE_2711 to TOE_2710	West Side	111 th St	10	701	0.004

Marginal Capacity

There are also several instances where existing pipes exceed capacity criteria (above 50 percent full for 12-inch and smaller pipes or 0.70 d/D for larger pipes) and become marginal at ultimate build-out. The Town should monitor the sewers in Table 9 below. The Map Number specified in the table corresponds to the location of these pipes on Figure WW-1.

Table 9: Marginal Capacity Pipes

Map Number	Pipe ID	Interceptor Basin	Location Description	Size (in)	Length (ft)	Slope (ft/ft)	d/D (max)
10	TOE_2904 to NWRF	Northwest	Southeast of NWRF	36	368	0.001/ 0.002	0.796
11	ECF21_120 to ECF4_134	Canyon Creek	Along Mason St near Austin Ave	12	2,407	0.005	0.653
12	TOE_2730 to TOE_2750	West Side	Erie Pkwy and 111 th St	10/ 12	1,922	0.002	0.809
13	TOE_2724 to TOE_2726	West Side	111 th St south of Erie Pkwy	10	800	0.007	0.665
14	TOE_2718 to TOE_2721	West Side	111 th St south of Erie Pkwy	10	1,204	0.004/ 0.009	0.807
15	TOE_2711-TOE_2715	West Side	111 th St North of Prince Lake No. 2	10	183	0.005	0.718

Map Number	Pipe ID	Interceptor Basin	Location Description	Size (in)	Length (ft)	Slope (ft/ft)	d/D (max)
16	TOE_2710-TOE_2712	West Side	111 th St East of Prince Lake No. 2	10	173	0.004	0.815
17	TOE_2948-TOE_2849	South Coal Creek	Near Coal Creek downstream of Compass	18	340	0.001	0.773

Build-Out Capacity Discussion

West Side Interceptor

For map items 1-4, it is recommended that actual slopes of these pipes be verified. If they do not have adequate slopes, it is recommended these sections of the West Side Interceptor be replaced.

Old Town

The 8-inch sewer along Evans in Old Town (map item 5) appears to have an adverse slope. It is recommended to verify the slope in the field and replace if it is adverse.

The 30-inch sewer under Coal Creek (map item 6) is pressurized, but there is sufficient drop upstream, so the pressurization is local to that pipe only and will not impact upstream interceptors. The cost/benefit to replace this pipe under the creek is not justified.

Canyon Creek Interceptor

The 12-inch system near the Coal Creek Center between Erie Parkway and Bonnell Avenue (map items 7 and 11) has marginal capacity and 301 feet of pressurized pipe. This system should be monitored and be considered for replacement if the loadings upstream are greater than what was assumed in this master plan.

West Side and 111th Street Interceptor

The 10 and 12-inch system along 111th Street from near Prince Lake Number 2 to just north of Erie Parkway (map items 8-9 and 12-16) has capacity issues at full build-out conditions including marginal and pressurized pipe. The only proposed development that adds loads to this interceptor for build-out conditions is the Nine Mile Development at Arapahoe Road and 111th Street. Service to Nine Mile was previously reviewed by Merrick on behalf of the Town.

Although several portions of the 111th Street interceptor exceed the design criteria of $d/D < 0.5$ for 12" or smaller pipes, this sewer can safely surcharge if necessary, with the flows from Nine Mile. Therefore, it may not be necessary to replace these over-capacity pipes. As mentioned in our previous analysis, these pipes should be monitored as development occurs. However, any additional development or addition of septic systems must come in downstream (north) of Prince Lake.

NWRF Interceptor

Near the NWRF, the existing 36-inch sewer (map Item 10) above the junction with the future 36-inch sewer is close to capacity. However, because the depth of flow approaches an acceptable level within a short distance upstream (based on an analysis of the hydraulic grade line), and no service connections are anticipated, this is considered acceptable. The Town should monitor this sewer as development occurs to verify adequate capacity.

South Coal Creek/ Parkdale Interceptor

Capacity of the existing 18-inch sewer connecting the Compass development to the Coal Creek Interceptor (map item 17) becomes marginal with build-out of Parkdale (2,072 EQR). This pipe and those downstream should be monitored as new developments occur.

Build-Out Proposed Interceptors

Alignments for proposed interceptors under build-out conditions were determined based on the drainage basins discussed in Section III. Recommended sizes for these interceptors were determined using the hydraulic model.

Highway 52 and I-25 Interceptors

Interceptors along I-25 and along Highway 52 will be needed to serve developments along these two major thoroughfares. The Town provided a preliminary alignment for these interceptors (marked "18" on Figure WW-1). This alignment would likely result in sewers over 40 feet deep in places due to varied topography. Excessively deep sewers are not recommended because excavation and maintenance would be expensive, access to pipes limited, and safety concerns. Merrick has shown an alternative alignment that would provide an interceptor less than 30 feet deep without any lift stations. This alignment was used for hydraulic analysis and recommended improvements for this corridor. An additional alternative alignment (marked "19" on Figure WW-1) could further reduce the depth of the proposed interceptor.

Weld County Road 5/7 Interceptors

Although there are several existing developments within the Weld County Road (WCR) 5 and 7 drainage basins, they are currently on septic systems. New developments within these drainage basins would require new interceptors.

While the proposed interceptors typically follow the exiting drainage patterns, there are two areas south of the Scotts Acre development (approximately northwest of WCR 10 and WCR 7) that were rerouted. These areas topographically drain to the northeast to WCR 7 (map item 20). However, unless the Scotts Acre development converts from septic to Town sanitary sewers, it would be difficult to connect the south areas to the proposed WCR 7 system. It is possible for these areas to go against grade and be a part of the WCR 5 system. The model shows that the 12-inch/15-inch WCR 5 system would have the capacity to include this area. See Figure WW-1 that shows this system.

Lift Stations

There are currently no lift stations that serve along the major interceptors. There is a lift station in Vista Ridge Filing 6, but it was not included in the interceptor analysis since it serves local flows. Previous Master Plans have proposed several lift stations to serve Erie. However, Merrick's Master Plan proposes gravity sewer pipe to serve the Town. Temporary or local lift stations may be needed to serve outlying developments in interim conditions.

The Town should avoid lift stations when at all possible due to higher possibilities of overflows and backups, increased maintenance requirements, and regulatory complications. The Town should require gravity collection systems whenever possible.

Septic Systems Connection

There are several existing developments within the planning boundary that use septic systems for their wastewater. There is potential in the future that these communities may want to connect to the Town's collection system. The additional loads from areas with septic systems were added to the ultimate buildout as a separate scenario. The additional septic loads did not significantly affect the hydraulics of the ultimate build-out system and so no additional changes for pipe improvements are recommended to include these areas. Manhole and pipe results tables for the septic/ultimate scenario are presented in Appendix C.

However, there is a potential for nutrient credits to the NWRf permit with the increase in nutrients from converting the septic systems to the Town's collection system. Analysis of individual conversions and impact on the reclamation facility should be conducted prior to inclusion in the Town's system.

Section V – Conclusions/Recommendations

General

Components of the collection system with capacity issues at full build-out are shown on Figure WW-1, Wastewater Collection System Master Plan. The Recommended Improvements described below outline future improvements to serve the growing population within the planning area. While small diameter interceptors and laterals can be constructed by developers, the Town should take an active role in the development, construction, and funding of major (regional) interceptors to serve currently undeveloped portions of the planning area.

The utilities have been laid out to accommodate probable roadways/corridors, to provide gravity service, and to utilize existing facilities where applicable, but should be considered schematic. Actual development will govern final routing and required sizing and should be reviewed during the predesign process. Long range planning is a continuing process since development never occurs at the exact location, pace, or densities predicted. Preliminary comprehensive planning should, therefore, take place before significant investments in new wholesale facilities.

Two categories of recommended improvements were identified: capacity improvements and development driven extensions.

- Capacity Improvements: Projects needed to address capacity issues in the collection system. These upgrades would include addressing pipe sizes and slopes to provide pipes that meet design criteria.
- Development Driven Improvements: New sewer extensions, new interceptors, upgrades, and improvements needed to meet projected flow increases in the next 20 years due to development.

Preliminary Cost Estimates

Preliminary capital cost estimates for the recommended improvements are presented in Table 10. These capital cost estimates are based on similar projects, engineering experience, and other standard cost-estimating methods. Contingencies and engineering/administrative costs were included in the capital cost estimates at 25-percent. All recommendations and costs are preliminary, and more detail should be completed during pre-design to establish pipe sizes, alignments, slopes, and costs based on the actual conditions.

Capacity Improvements

The collection system upgrades are to improve the capacity within the system by addressing pipe size or slopes of surcharging pipes. These improvements include portions of the West Side Interceptor and Canyon Creek Interceptor.

Development Driven Improvements and Value Engineering

As new development occurs with connections to the collection system, the Town should continue to require developers to provide adequate capacity for future upstream development. Proposed interceptors identified for build-out conditions include major interceptors along Highway 52, I-25, Weld County Road (WCR) 5, and WCR 7. Development along Highway 52 and/or I-25 will trigger these improvements. Additionally, the South Coal Creek interceptor would serve Parkdale and other nearby developments. These proposed interceptors are shown on Figure WW-1. Development within these tributary basins will trigger these improvements.

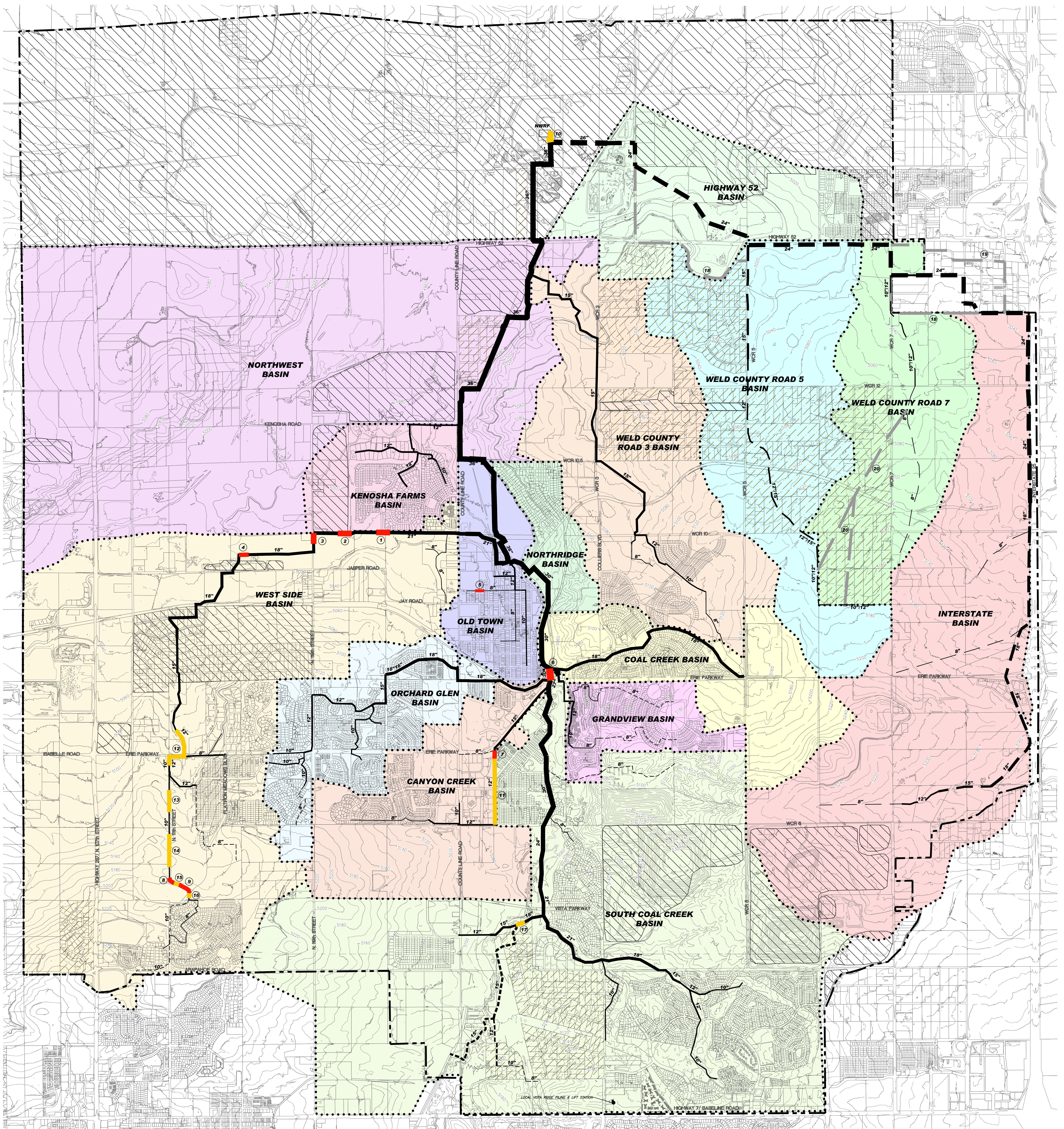
Table 10: Capital Improvements Plan Recommendations and Opinion of Capital Costs

Item	Map Number (See Figure WW-1)	Type of Improvement	Description	Opinion of Capital Costs* (\$)	Trigger for Project Initiation**
West Side Interceptor Capacity Improvements	1-4	Capacity	Replace approximately 612 feet of 18-inch sewer, 2,002 feet of 21-inch sewer, and upsize 683 feet of 18-inch to 21-inch sewer at appropriate slopes.	\$1,211,000	Developments upstream of Arapahoe Ridge and Flatiron Meadows
Canyon Creek Interceptor Capacity Improvements	7, 11	Capacity	Replace approximately 2,710 feet of 12-inch sewer with 15-inch sewer from Bonnell Ave to Erie Parkway along Mason St.	\$762,000	Development upstream of Canyon Creek
South Coal Creek Interceptor		Development Driven	Install approximately 7,800 feet of 8-inch, 10-inch, 12-inch and 15-inch sewers.	\$1,862,000	Parkdale, Fuller, or Sierra Vista developments.
Highway 52 Interceptor		Development Driven	Install approximately 14,400 feet of 24-inch and 36-inch sewer from NRWF along HWY 52 to WCR 7.	\$7,000,000	**Developments along Highway 52
Interstate Interceptor		Development Driven	Install approximately 39,500 feet of 8-inch, 12-inch, 15-inch and 24-inch sewer from HWY 52 & WCR 7, along I-25 to WCR 6.	\$12,129,000	**Development along I-25

Item	Map Number (See Figure WW-1)	Type of Improvement	Description	Opinion of Capital Costs* (\$)	Trigger for Project Initiation**
Weld County Road 5 Interceptor		Development Driven	Install approximately 16,200 feet of 10-inch, 12-inch, and 15-inch sewer from HWY 52 along WCR 5 to south of WCR 10.	\$3,402,000	**Development along WCR 5
Weld County Road 7 Interceptor		Development Driven	Install approximately 10,600 feet of 8-inch and 10-inch sewer from HWY 52 along WCR 7 to WCR 10.	\$1,749,000	**Development along WCR 7

*All Budgets include 25% for contingencies, engineering, inspection, legal and administrative costs.

** May be constructed in phases depending on location and timing of developments.



LEGEND

— 5000 — 20' CONTOUR
— 10' CONTOUR
— ERIE PARKWAY — STREET/HIGHWAY

COLLECTION SYSTEM PIPES

8"
10"
12"
15"
16"18"
21"
24"
30"
36"

— EXISTING TRUNK SEWER
— PLANNED DEVELOPMENT TRUNK SEWER
— ULTIMATE TRUNK SEWER

— ALTERNATIVE ROUTE

— MARGINAL CAPACITY AT ULTIMATE BUILD-OUT, $\text{dID} \geq 0.5$ FOR 12" PIPES, $\text{dID} \geq 0.7$ FOR LARGER PIPES
— INADEQUATE CAPACITY AT ULTIMATE BUILD-OUT, $\text{dID} \geq 0.83$

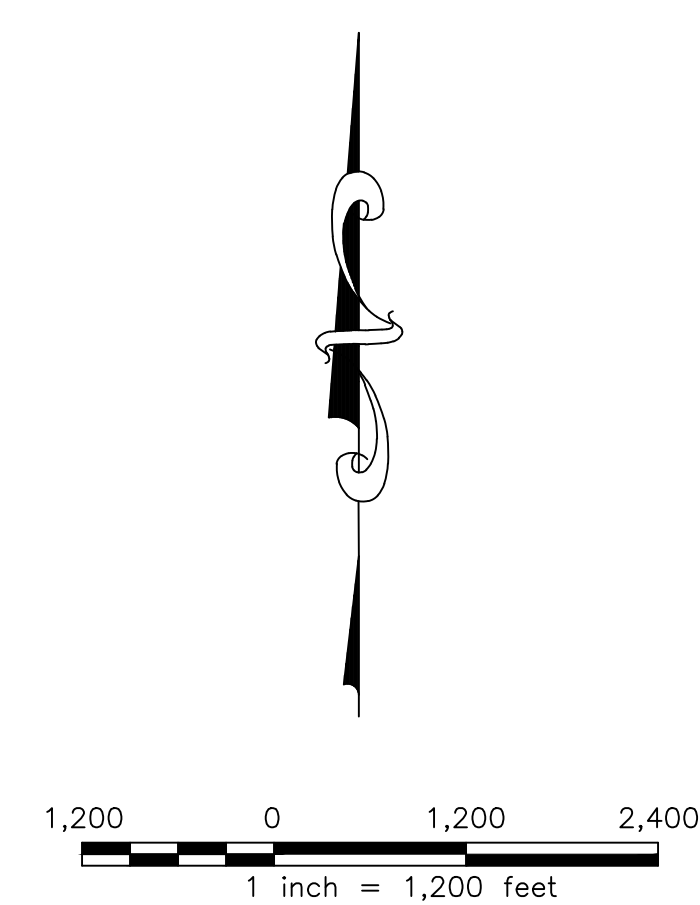
MAP NUMBERS

① ⑥ PIPES WITH ADVERSE OR FLAT SLOPES
⑦ ⑨ PRESSURIZED PIPES
⑩ ⑪ PIPES WITH MARGINAL CAPACITY
⑫ ⑬ HWY 52/ 125 INTERCEPTOR ALTERNATIVE ALIGNMENTS
⑭ ⑮ WCR 5/7 INTERCEPTORS ALTERNATIVE ALIGNMENT

SANITARY BASINS

..... SANITARY BASIN LIMITS

CANYON CREEK
COAL CREEK
GRANDVIEW
HIGHWAY 52
INTERSTATE
KENOSHA FARMS
NORTHBRIDGE
NORTHWEST
OLD TOWN
ORCHARD GLEN
SOUTH COAL CREEK
WELD COUNTY ROAD 3
WELD COUNTY ROAD 5
WELD COUNTY ROAD 7
WEST SIDE
AREAS NOT INCLUDED
SEPTIC SYSTEM AREAS



AUGUST 2020

WW-1

WASTEWATER COLLECTION SYSTEM MASTER PLAN

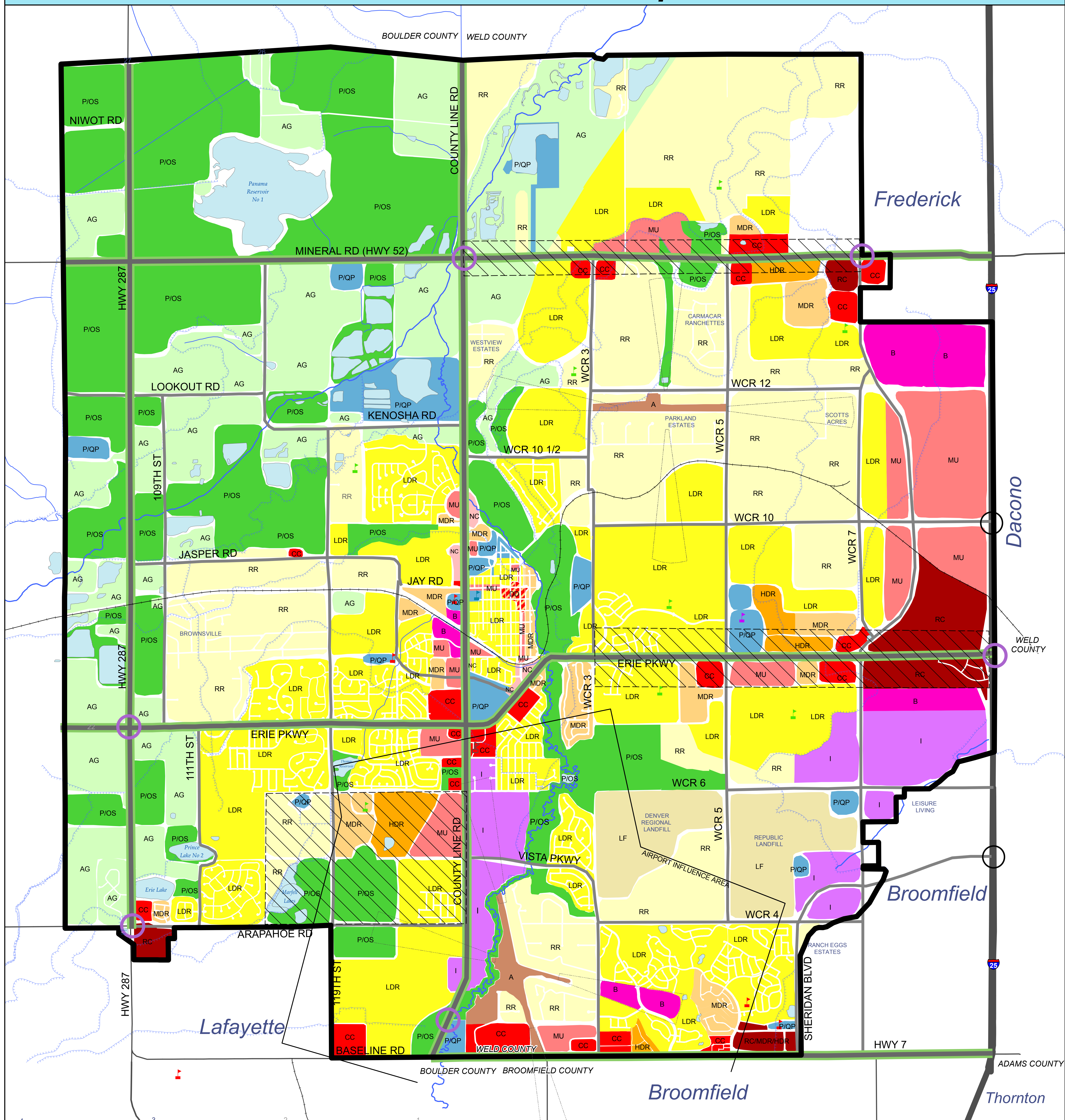
APPENDICES

Appendix A – Land Use Maps

Town of Erie, Colorado

Comprehensive Plan - 2015 Update

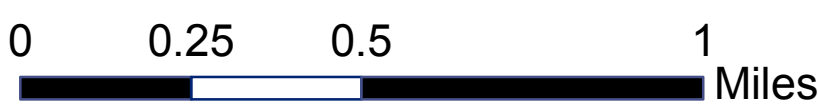
Land Use Plan Map



Land Use Plan Legend

AG Agriculture	MDR Medium Density Residential (6-12 du/ac)	B Business
P/OS Parks/Public Open Space	HDR High Density Residential (12-20 du/ac)	I Industrial
P/QP Public/Quasi Public	DD Downtown District	Reservoirs
LF Landfill	NC Neighborhood Commercial	County Boundary
A Airport	CC Community Commercial	Planning Area Boundary
RR Rural Residential (0-2 du/ac)	RC Regional Commercial	Areas of Special Consideration
LDR Low Density Residential (2-6 du/ac)	MU Mixed Use	

Canal/Ditch
Railroad
Community Gateways
I-25 Interchange (Future)
Elementary School
Middle School
High School
Proposed

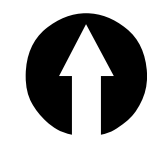


Sources: Boulder CO GIS, Weld CO GIS, CDOT, Town of Erie
Note: This map is intended to serve as a guide for future land use patterns within the Town of Erie's Planning Area Boundary and is advisory in nature. Land Use patterns depicted on the map are generalized, recognizing that development proposals may contain a mixture of land uses and density levels which achieve the intent of the Town of Erie Comprehensive Plan. Adopted Date: Dec. 21, 2005.

The Comprehensive Plan contains guidelines for the refinement of the generalized areas depicted on the map. These guidelines should be referred to by applicants prior to the preparation of a development submittal and by Town staff, elected, and appointed officials as part of the development review process.

Town Boundary Not Shown - Refer to Zoning Map for Town Boundary

Map Revision Date: June 12, 2017



Appendix B – Manhole Monitoring Evaluation Report



2480 W. 26th Avenue, Unit B225
Denver, Colorado 80211
Tel: +1 303-964-3333
Fax: +1 303-964-3355

www.merrick.com

February 13, 2017

Town of Erie
c/o Wendi Palmer and Matt Wiederspahn
645 Holbrook St.
Erie, CO 80516

Subject: Re: Erie Manhole Monitoring Evaluation

Dear Wendi and Matt:

Attached is the final report on the monitoring and evaluation efforts for the Town of Erie's sewer collection system. The period of study covers 20 months of monitoring data from 10 manhole meters, beginning June 2016 and ending in January 2018.

Our analysis consists of both dry weather and wet weather flow characterization. Dry weather flows have been characterized by base sanitary flow, base infiltration, and total average dry weather flow at each monitoring location. We have also analyzed peaking factors for dry weather peak day and peak hour flow rates.

Wet weather flows have been characterized by peak hour rainfall derived inflow and infiltration. There was one significant storm over the study period, which occurred on May 18th, 2017 and had an estimated 7-year recurrence interval. Rainfall derived inflow and infiltration for this storm accounted for approximately 50% of observed peak flow at Erie's North Water Reclamation Facility. Less significant storms (less than 1-year recurrence interval) observed over the study period did not correlate well with instances of peak flow at the monitoring locations.

Based on the amount of inflow and infiltration observed in the May 18th storm, we recommend including an allocation for wet weather flows in future capacity planning for the Town of Erie's sewer collection system, dependent on the Town's desired level of service. We also recommend an investigation to determine the cause of wet weather inflow and infiltration and possible corrective measures.

Yours truly,
MERRICK & COMPANY

Steven Walton, EIT

Terry Kenyon, PE
Principal/Senior Project Manager

1 Introduction

1.1 Background

In June 2016, the Town of Erie began monitoring sewer flow rates at 10 different manholes located throughout Erie's sewer collection system. The purpose of this study is to tabulate and evaluate the manhole monitoring data, investigate the effects of infiltration and inflow (I/I) on the system, and provide recommendations on additional actions to take to reduce I/I if determined necessary. Peaking factors were also evaluated, as prior to these monitoring efforts, collection system peak flow rates were based primarily on published peaking data.

This report provides a final update on the monitoring and evaluation efforts through the end of the data collection period, which began in June 2016 and ended in January 2018.

1.2 Previous Studies

A previous monitoring update was provided to the Town of Erie by Merrick in April 2017, which included data through February 2017. The conclusions drawn by the monitoring update were:

- Peak hour and max day events did not coincide with wet weather events for the period monitored.
- A regression analysis on the effects of precipitation on average daily flow rate, as well as peak hour flow rates, indicated there was no significant correlation between rainfall events and increased sewer flows.

Based on these results, the small (less than 1-year recurrence interval) storms observed from June 2016 through February 2017 had little to no observable effects on sewer flows. Due to the availability of new monitoring data, which includes an estimated 7-year recurrence interval storm in May 2017, this wet weather assessment has been revised to consider effects of high recurrence interval storms on flows in the system.

2 Data

2.1 Manhole Locations

Monitoring data was collected at 10 manholes. Table 1 lists the manhole ID for each monitoring site, as well as the corresponding aliases ('A', 'B'...), which will be used for this report.

Table 1: Manhole ID's

Manhole ID	Alias
SMH-37	A
SSMH-2A	B
MH-58	C
SSMH-VR1	D
MH-16	E
MH-3	F
MH-5	G
MH-4G	H
SSMH-VR26.A	I
SMH-VR37	J

A map of the collection system showing the location of each manhole is included as **Figure 1**.

2.2 Metering Data

Metering data for flow rate, velocity, depth, and temperature were recorded at each site at 15-minute intervals, beginning in June 2016 and ending in January 2018.

2.3 Precipitation Data

Precipitation data at 1-hour intervals was obtained from National Operational Hydrologic Remote Sensing Center (NOHRSC) Station CO-BO-285, including both non-snow precipitation and snow melt events. The location of the station is shown on the collection system map in **Figure 1**.

2.4 Plotting of Raw Data

A summary plot of all monitoring data from June 2016 to January 2018 is included as **Figure 2**. More detailed monthly plots are included in **Appendix A**.

2.5 Diurnal Patterns

A plot of mean diurnal flow patterns through each monitoring location is shown in **Figure 3**. The interquartile range (25%-75%) is included in these plots to aid in visualizing the typical range in variability at each monitoring location.

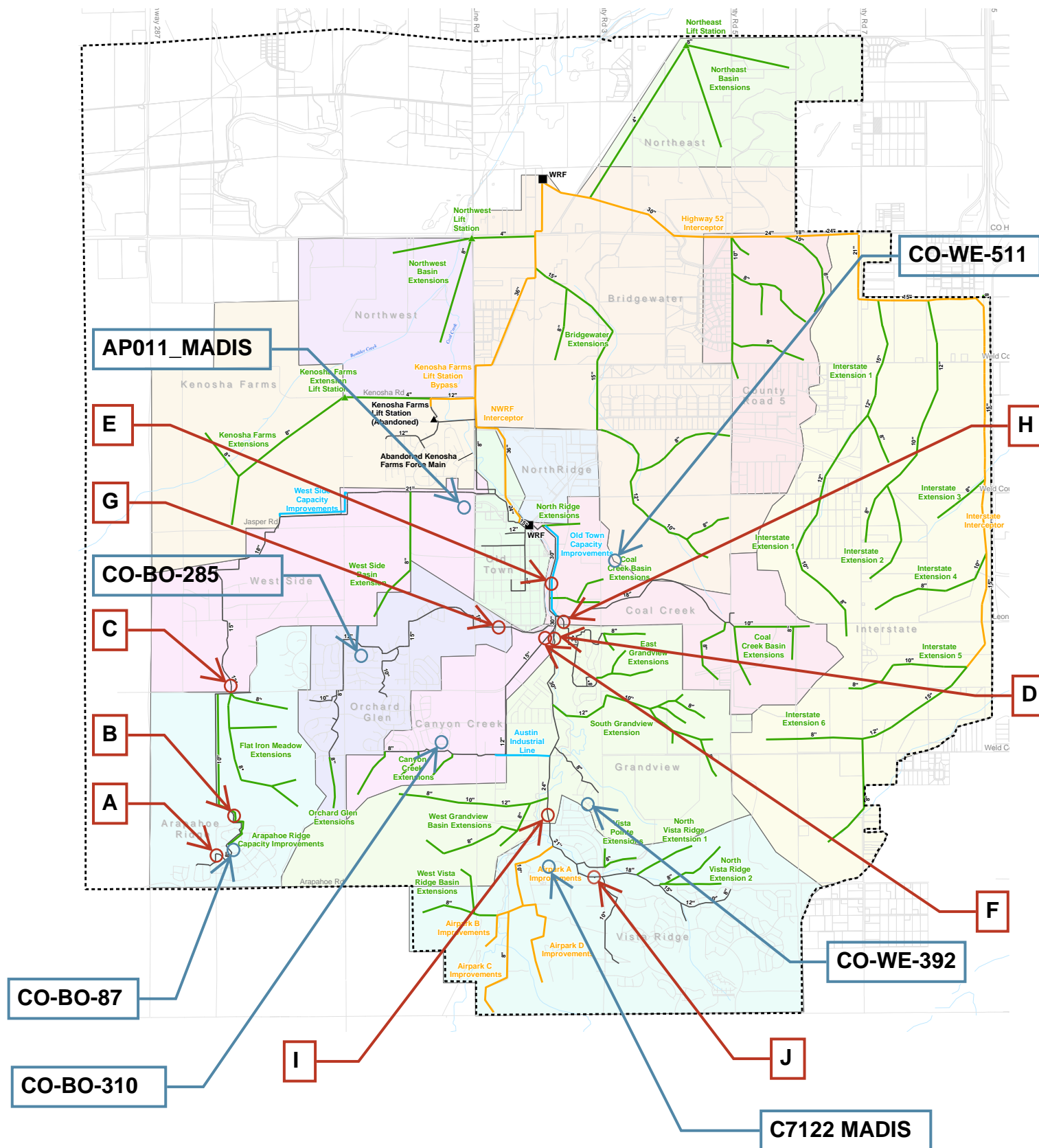


Figure 1: Map of manhole monitoring locations and weather stations. Manhole locations are marked in red, weather stations are marked in blue. Map sourced from Town of Erie Wastewater Utility Plan, Jan 2013.

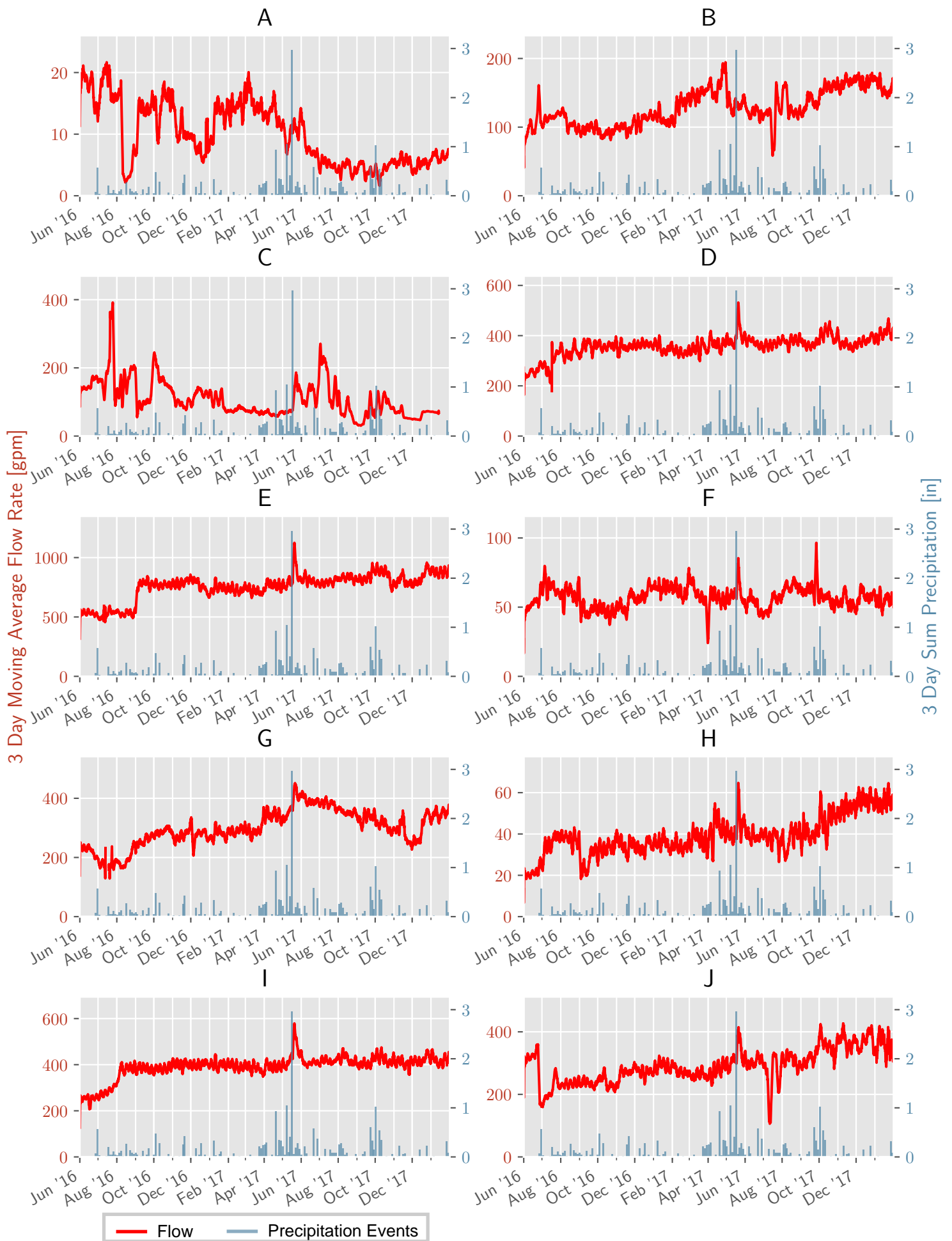


Figure 2: Plot of 3 day moving averages for manhole monitoring flow data from June 2016 to January 2018. Precipitation data was sourced from NOAA, Station SHEF ID CO-BO-285.

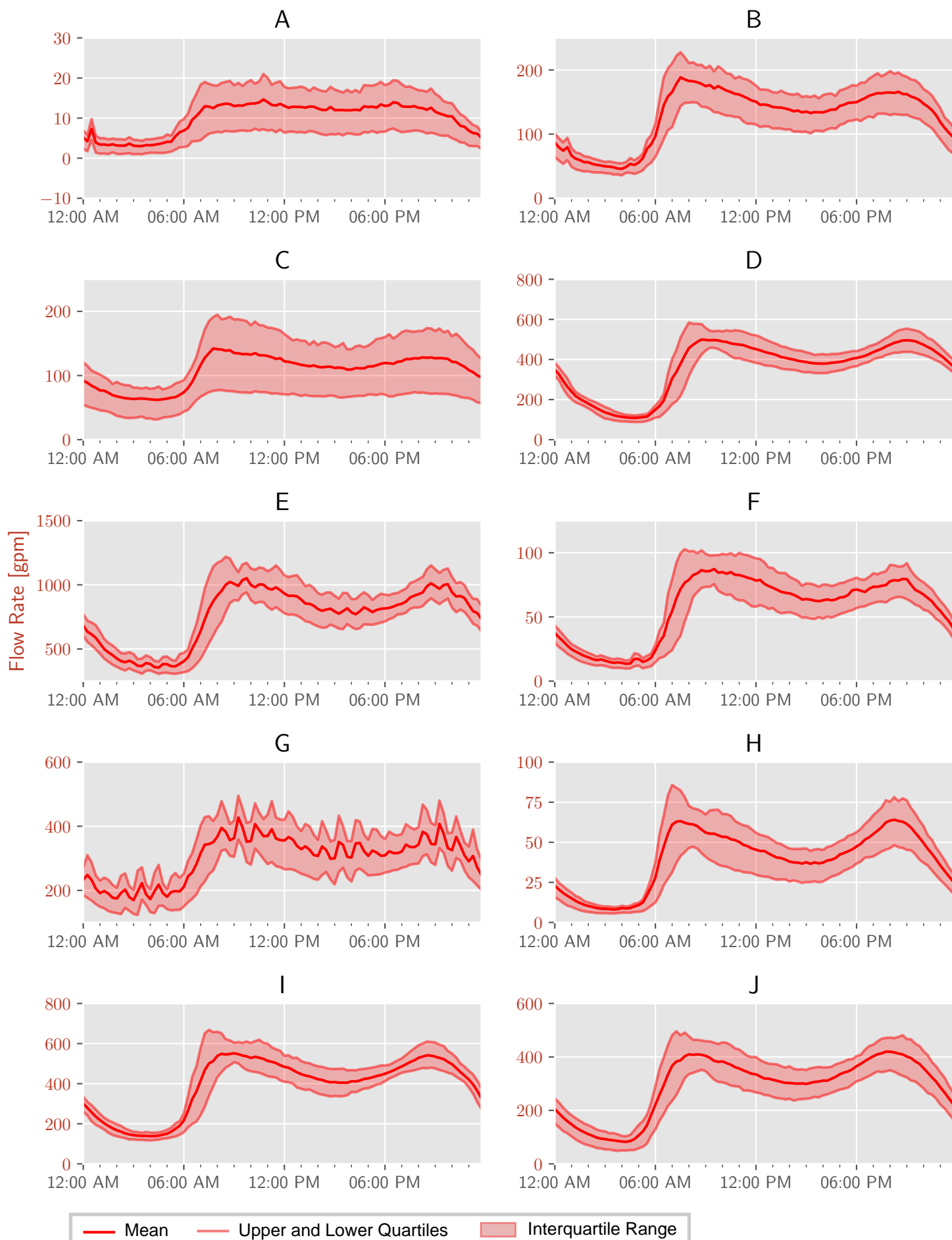


Figure 3: Plot of mean diurnal flow patterns through monitoring locations, based on data from June 2016 - January 2018. The shaded area is the interquartile range (25% - 75%), used here to show the typical variability in diurnal peaks.

3 Analysis

3.1 Average Dry Weather Analysis

Average dry weather (ADWF) flows consist of flows observed in the system outside of direct influence of individual rainfall events. ADWF at each monitoring location was determined by taking the median value of daily average flows over the course of the monitoring period.

ADWF can be characterized into two components:

- **Base Sanitary Flow (BSF)** – Daily average flow in the system attributed to sanitary wastewater
- **Base Infiltration (BI)** – Dry weather infiltration not directly influenced by rainfall events

It is possible to estimate what flows in the system are sanitary flows versus infiltration flows using the Steven-Schutzbach method, which compares the minimum hourly flows observed in the system overnight to the average flow in the system. The rationale behind this method is that flows observed during times of minimum use, typically between midnight and 4 AM, largely consist of infiltration flow. The percentage of minimum overnight flows attributed to infiltration is a function of basin size, with larger basins having a smaller percentage of infiltration.

The Stevens-Schutzbach method does not account for industrial or commercial wastewater sources that may produce consistent flows overnight. In basins with significant industrial users, this method will typically overestimate the contribution of infiltration.

The characterization of system BSF, BI, and ADWF is provided in **Table 2**.

Table 2: Dry Weather Flow Characterization

ID	Base Sanitary Flow (gpm)	Base Infiltration (gpm)	Average Dry Weather Flow (gpm)	Percentage of Average Dry Weather Flow due to Infiltration
A	8	1	9	11%
B	111	13	124	10%
C	77	15	92	16%
D	327	35	362	10%
E	657	121	778	16%
F	54	4	58	7%
G	245	51	296	17%
H	36	2	38	5%
I	354	44	398	11%
J	267	19	286	7%

Since these calculations are based on median daily mean and minimum flows, the results capture flows for a typical dry weather day, with approximately half of the days over the study period having greater ADWF or BI, and half having less. To understand how infiltration might vary seasonal, BI was also determined on a rolling basis over the study period. Results are plotted in **Figure 4**.

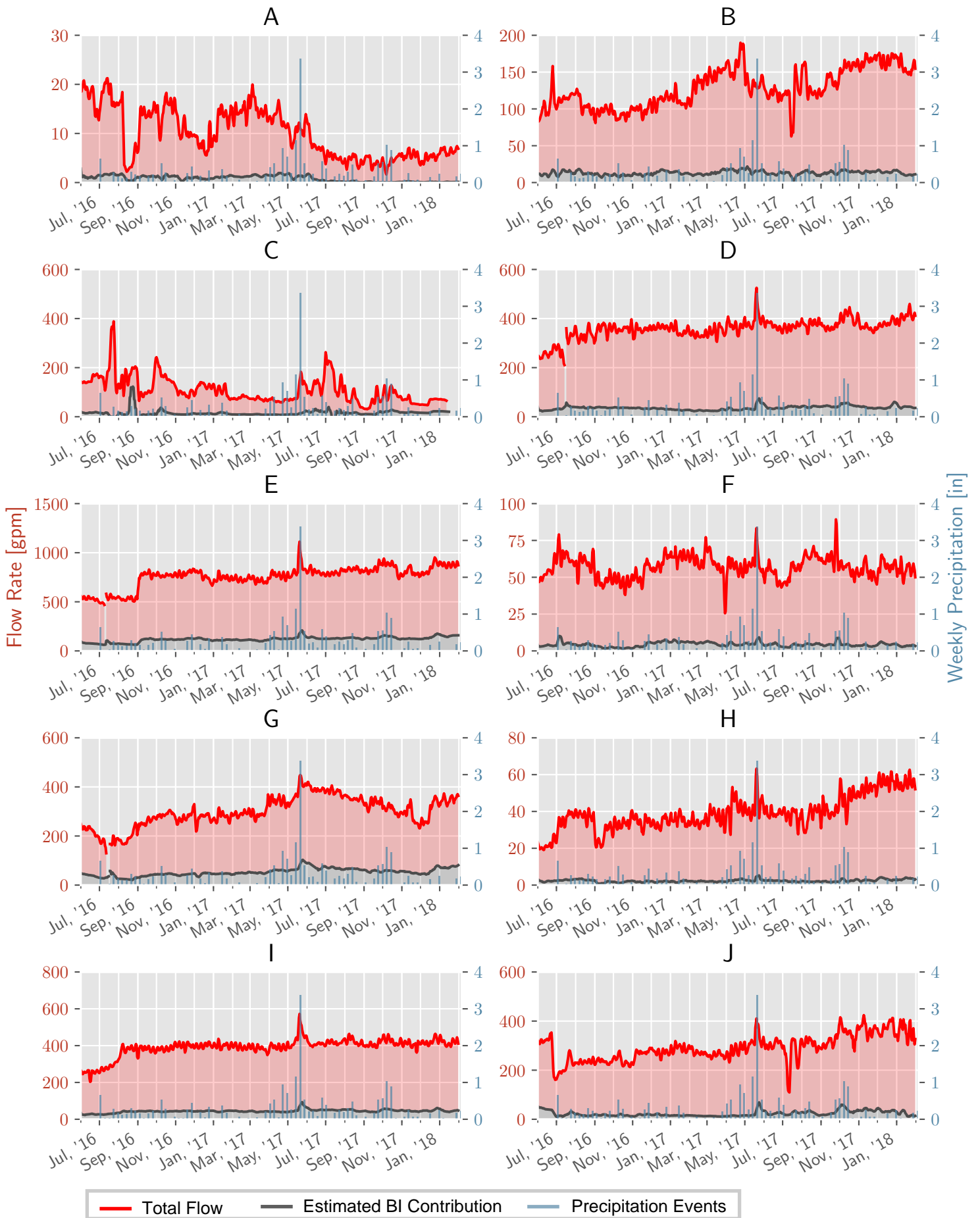


Figure 4: Rolling estimate of base infiltration (BI) contribution to total flow through the study period. BI did not appear to depend strongly on seasonal variations; however, an increase in BI was observed in some manholes following wet weather in May 2017 and September 2017.

3.3 Dry Weather Peaking Factors

For determination of peaking factors, dry weather flows were characterized into average day, max day, and peak hour flows. Values for each manhole are plotted in **Figure 5**. Max day and peak hour flows were determined as the 95th percentile flows to occur over the monitoring period.

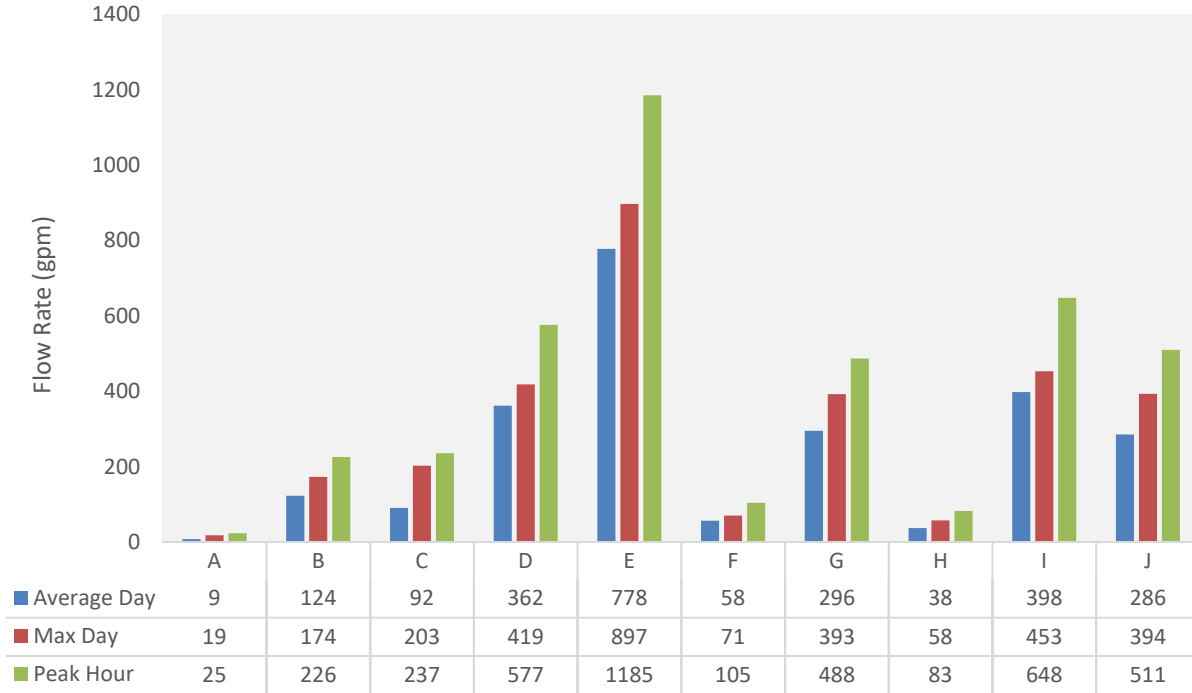


Figure 5: Dry Weather Peak Flows

Peaking factors based on the ratio of max day to average day, and peak hour to max day, are provided in **Table 3**.

Table 3: Max Day and Peak Hour Peaking Factors

ID	Peaking Factor (Max Day: Average Day)	Peaking Factor (Peak Hour: Max Day)
A	2.1	1.3
B	1.4	1.3
C	2.2	1.2
D	1.2	1.4
E	1.2	1.3
F	1.2	1.5
G	1.3	1.2
H	1.5	1.4
I	1.1	1.4
J	1.4	1.3

3.4 Wet Weather Events

A comparison of the five most significant storm events over the study period and their respective recurrence intervals is provided below in **Table 4**.¹

Table 4: Recurrence Intervals of Most Significant Storm Events

Date	Magnitude (in)	Duration (hrs)	Recurrence Interval (yrs)
21-Apr-17	0.9	27	0.1
8-May-17	0.8	9	0.4
18-May-17	2.7	30	6.6
23-Jun-17	0.5	5	0.1
2-Oct-17	1.0	20	0.2

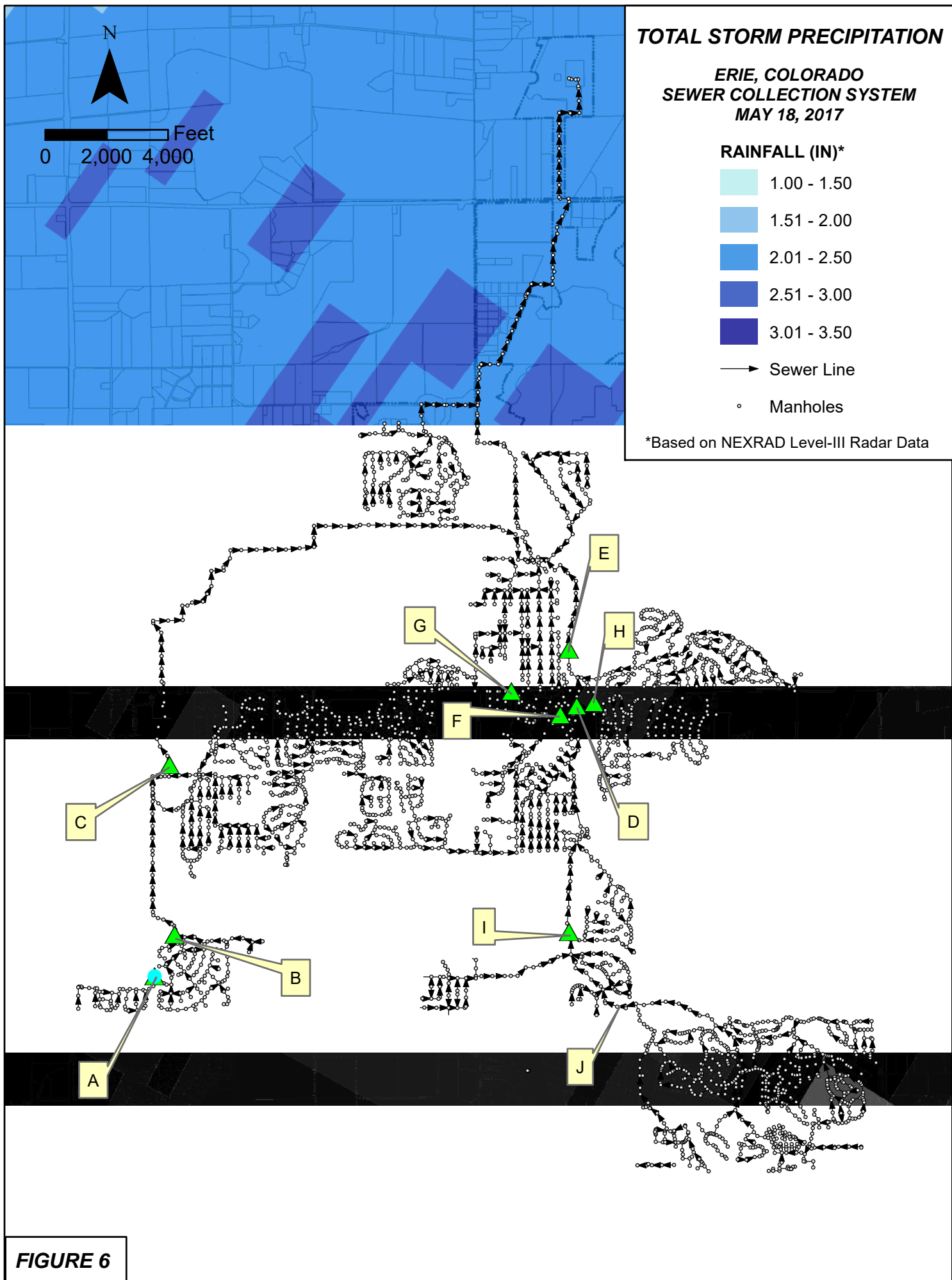
The May 18th, 2017 storm had three characteristics which make it a strong candidate for wet weather flow analysis:

- The 2.7 inches of rainfall over a 30-hour period observed during this storm marks an approximate 7-year recurrence interval storm. This was the only storm observed with a recurrence interval greater than 1-year, which is typically the minimum to be considered valuable for analysis of rainfall driven I/I.
- Mapping of the distribution of total storm precipitation based on NEXRAD radar data indicated that the storm was well-distributed over the study area (See **Figure 6**). While some basins received higher concentrations of rainfall than others (I, J, and H), the overall distribution of the storm is well-suited for system-wide I/I analysis.
- The storm correlated well with observed peaks in manhole flow meters, in addition to peak influent flows observed at the North Water Reclamation Facility (NWRf).

A plot of the flows observed at each monitoring location during the May 18th storm is provided in **Figure 7** and **Figure 8**.²

¹ Storm recurrence intervals were calculated from NOAA Atlas 14 Point Precipitation Frequency Estimates for the Town of Erie. Regression analysis was used to interpolate between storm duration and magnitude values provided by NOAA. It's important to note that recurrence intervals on storm events have wide confidence intervals. The 90% confidence interval on the Atlas 14 values puts the storm recurrence for the May 18th storm between 3.5 and 18.4 years.

² Some peaking occurred at manhole meters later in the week which did not correspond with any wet weather events (see Figures 7 and 8). For manhole C, this was attributed to debris which interfered with flow meter accuracy. Some peaking was also observed on manholes F, G, H, I, and J on May 21. This may have been related to increased number of visitors to Erie during its annual town fair, and was likely not I/I related.



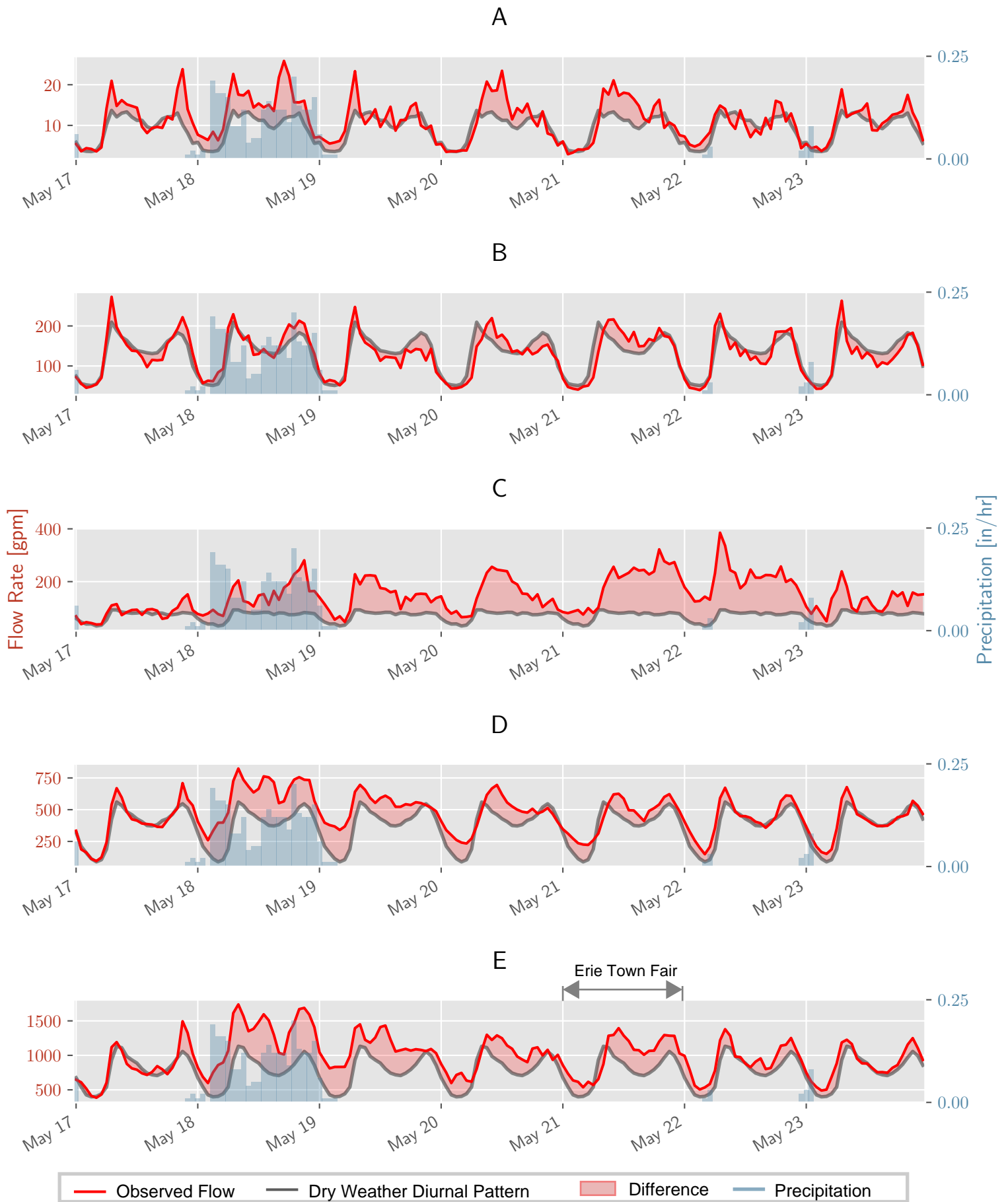
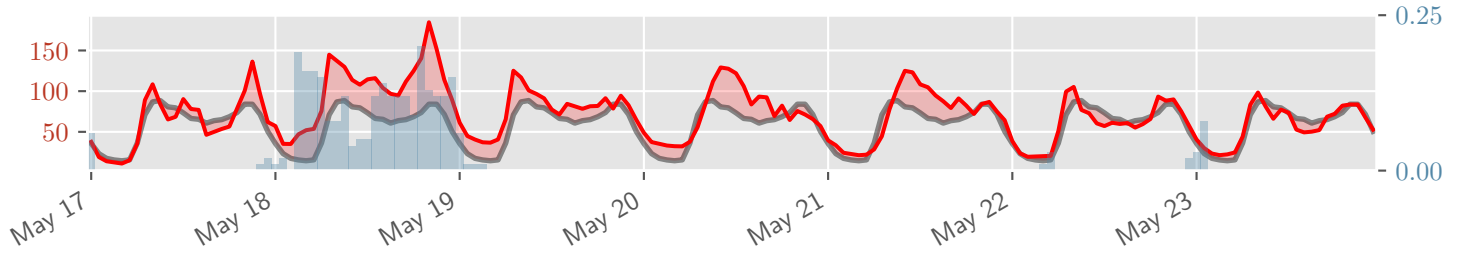
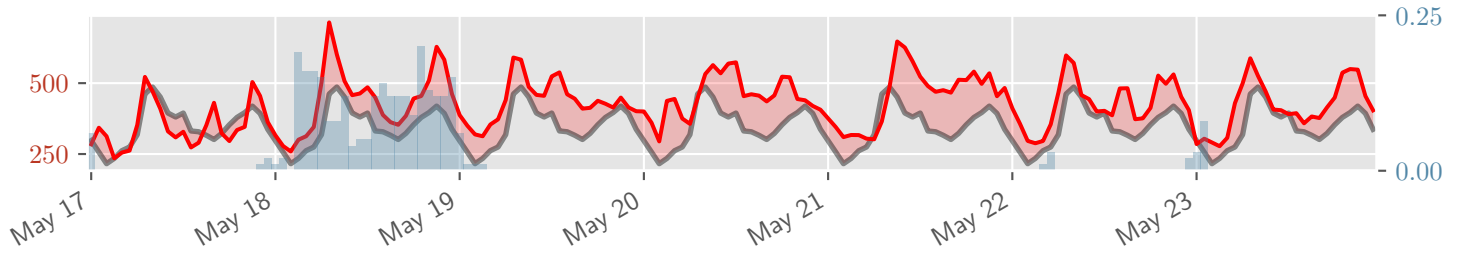


Figure 7: Plot comparing sewer flows for manhole monitors **A**, **B**, **C**, **D**, and **E** on **May 17 through May 23, 2017** with mean diurnal flow patterns of the previous two weeks.

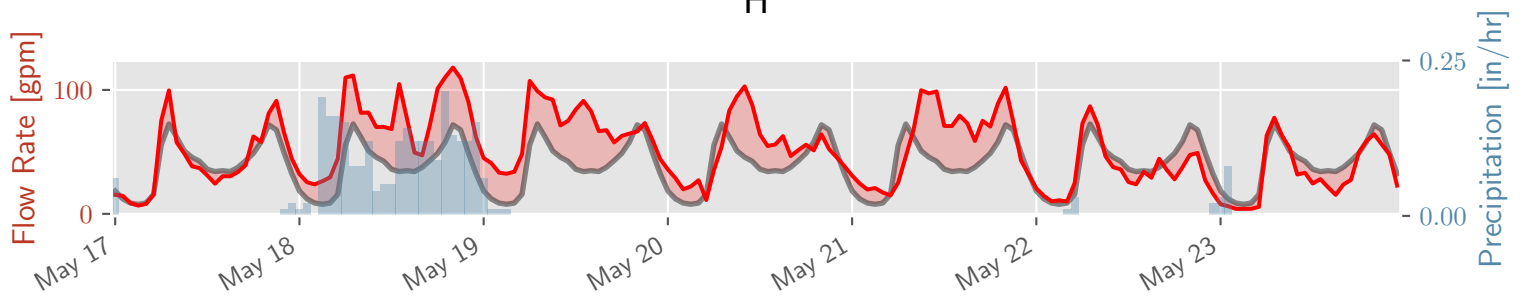
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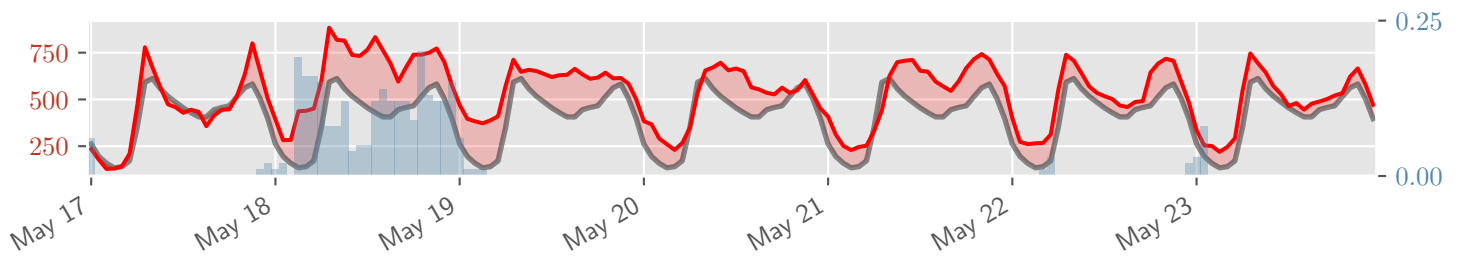
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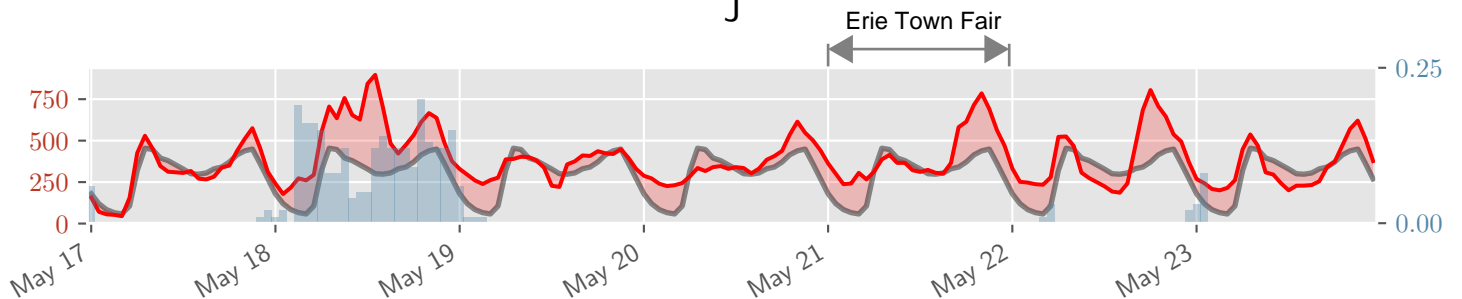
H



I



J



— Observed Flow — Dry Weather Diurnal Pattern Difference Precipitation

Figure 8: Plot comparing sewer flows for manhole monitors **F**, **G**, **H**, **I**, and **J** on **May 17 through May 23, 2017** with mean diurnal flow patterns of the previous two weeks.

3.4 Wet Weather Analysis

Peak Hour Wet Weather Flow (PHWWF) can be characterized into two components:

- **Dry weather flow (DWF)** - The portion of observed peak wet weather flows attributed to normal dry weather sanitary and infiltration flows.
- **Rainfall-derived inflow and infiltration (RDII)** – The additional flows in the system attributed to inflow and infiltration caused by the storm event.

The DWF component for the May 18th storm was determined by calculating mean diurnal flow patterns at each manhole location during the two weeks prior to the storm (May 3rd – 17th). During this period, there were no rainfall events with significant I/I response, making this approach appropriate for determining DWF contributions.

To determine RDII contribution, DWF is subtracted from PHWWF based on the hour of observed peak flow.

The calculated DWF, RDII, and PHWWF of each monitoring basin during the May 18th storm are provided in **Table 5**.

Table 5: Wet Weather Flow Characterization

ID	Dry Weather Flow (gpm) ³	Rainfall-Derived Inflow and Infiltration (gpm)	Total Peak Hour Wet Weather Flow (gpm)	Percentage of Peak Flow due to Rainfall-Derived Inflow and Infiltration
A	11	15	26	58%
B	146	49	195	25%
C ⁴	75	206	281	73%
D	356	398	754	53%
E	787	808	1595	51%
F	84	101	185	55%
G	471	243	714	34%
H	32	73	105	70%
I	413	420	833	50%
J	294	603	897	67%
NWRF Influent	1214	1230	2444	50%

³ Dry weather flow is estimated at the hour of peak RDII contribution

⁴ Meter data for manhole C during the storm was not reliable due to debris interfering with the flow meter sensor. Flow at monitor C was erratic for the period of May 17 – 23 compared to the diurnal pattern at C observed during the two previous weeks, and the peak flows did not correspond well with the May 18 rainfall event. See **Figure 7**.

4 Discussion

The availability of new monitoring data collected during the May 18, 2017 storm indicates that there are observable impacts of I/I on the system during a 7-year return period storm. Apart from manhole C, which was not producing reliable data at the time of the storm, percentages of observed PHWWF attributed to RDII were between 25% and 70% at the monitoring locations. There was an estimated 50% RDII contribution for the entire system based on influent flows at the NWRf.

Recommendations based on these results:

- An allowance for wet weather flow may be appropriate when revising collection system design criteria. This allowance would be determined by estimating RDII contribution for a selected design storm based on Erie's desired level of service – for example, providing an allowance for a 5-year or 10-year storm. Monitoring data from the observed 7-year storm could be scaled to the selected design storm if there is sufficient availability of historical wet weather influent flow data at the NWRf.
- We recommend an investigation to determine the cause of wet weather I/I and possible corrective measures. Assumptions based on the predominately newer PVC sewer mains, saddles, and wye taps is that manholes may be the primary contributor of I/I.

If an allowance for I/I is incorporated into Erie's collection system capacity model, the limitations of this study and its extendibility are an important topic of discussion. By their nature, high-recurrence interval storms occur infrequently, making it unlikely to collect data on multiple storms with recurrence intervals greater than 1-year during a study period of 20 months. I/I response can also vary significantly from storm to storm, due to factors such as the spatial distribution of the rainfall and antecedent soil moisture conditions. This combination of a small sample size with high sample variance results in a high degree of uncertainty for developing a predictive I/I model for capacity planning purposes.

However, despite these limitations, incorporating the results into current system capacity modeling and design efforts would be a significant improvement over not accounting for wet weather events in sewer capacity planning efforts or relying on typical I/I contribution values.

Appendix C – Model Manhole and Pipe Output Tables

EXISTING MANHOLE TABLE

	ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
<input type="checkbox"/>	AIF1_119	5,068.710	0.000	0.000	0.000	5,058.002	Not Full	Yes	-0.628	10.708
<input type="checkbox"/>	ARF1_12	5,190.400	0.000	0.000	0.000	5,179.325	Not Full	Yes	-0.361	11.075
<input type="checkbox"/>	ARF1_16	5,191.000	0.000	0.000	0.000	5,181.046	Not Full	No	-0.440	9.954
<input type="checkbox"/>	ARF1_17	5,195.200	0.000	0.000	0.000	5,184.039	Not Full	No	-0.428	11.161
<input type="checkbox"/>	ARF1_2	5,190.990	0.000	0.000	0.000	5,173.835	Not Full	Yes	-0.568	17.155
<input type="checkbox"/>	ARF1_28	5,201.050	0.000	0.000	0.000	5,189.726	Not Full	No	-0.470	11.324
<input type="checkbox"/>	ARF1_29	5,202.190	0.000	0.000	0.000	5,190.762	Not Full	No	-0.445	11.428
<input type="checkbox"/>	ARF1_3	5,188.520	0.000	0.000	0.000	5,176.105	Not Full	No	-0.402	12.415
<input type="checkbox"/>	ARF1_31	5,204.680	0.000	0.000	0.000	5,193.923	Not Full	No	-0.424	10.757
<input type="checkbox"/>	ARF1_32	5,205.700	0.000	0.000	0.000	5,194.954	Not Full	No	-0.412	10.746
<input type="checkbox"/>	ARF1_33	5,208.560	0.000	0.000	0.000	5,197.197	Not Full	No	-0.430	11.363
<input type="checkbox"/>	ARF1_34	5,209.050	0.000	0.000	0.000	5,198.223	Not Full	No	-0.394	10.827
<input type="checkbox"/>	ARF1_35	5,209.820	0.000	0.000	0.000	5,198.953	Not Full	Yes	-0.384	10.867
<input type="checkbox"/>	ARF1_36	5,213.560	0.000	0.000	0.000	5,201.344	Not Full	No	-0.422	12.216
<input type="checkbox"/>	ARF1_37	5,213.040	0.000	0.000	0.000	5,202.254	Not Full	No	-0.402	10.786
<input type="checkbox"/>	ARF1_4	5,189.400	0.000	0.000	0.000	5,178.020	Not Full	No	-0.456	11.380
<input type="checkbox"/>	ARF2_1	5,214.270	0.000	0.000	0.000	5,205.588	Not Full	No	-0.418	8.682
<input type="checkbox"/>	ARF2_2	5,217.170	59,250.218	225,620.011	0.000	5,206.685	Not Full	No	-0.401	10.485
<input type="checkbox"/>	BFF1_61	5,112.000	0.000	0.000	0.000	5,100.440	Not Full	No	-0.667	11.560
<input type="checkbox"/>	BFF1_62	5,110.000	0.000	0.000	0.000	5,098.440	Not Full	No	-0.667	11.560
<input type="checkbox"/>	BFF1_63	5,110.000	16,750.074	67,000.295	0.000	5,096.848	Not Full	No	-0.529	13.152
<input type="checkbox"/>	CCF3_39E	5,127.025	0.000	0.000	0.000	5,116.649	Not Full	No	-0.599	10.376
<input type="checkbox"/>	CCF3_60	5,134.515	0.000	0.000	0.000	5,123.515	Not Full	No	-0.833	11.000
<input type="checkbox"/>	CCF3_60A	5,126.015	42,999.824	167,114.552	0.000	5,118.147	Not Full	No	-0.602	7.868
<input type="checkbox"/>	CCF4_41	5,130.900	36,750.226	144,266.023	0.000	5,119.318	Not Full	No	-0.428	11.582
<input type="checkbox"/>	CCF4_42	5,139.500	0.000	0.000	0.000	5,127.781	Not Full	No	-0.536	11.719
<input type="checkbox"/>	CCF4_43	5,148.430	0.000	0.000	0.000	5,136.711	Not Full	No	-0.536	11.719
<input type="checkbox"/>	CCF4_44	5,154.330	0.000	0.000	0.000	5,142.559	Not Full	No	-0.518	11.771
<input type="checkbox"/>	CCF4_45	5,160.270	0.000	0.000	0.000	5,148.499	Not Full	No	-0.518	11.771
<input type="checkbox"/>	CCF6_105	5,098.110	68,749.894	255,135.505	0.000	5,086.989	Not Full	No	-0.741	11.121
<input type="checkbox"/>	CCF6_106	5,098.070	0.000	0.000	0.000	5,082.063	Not Full	No	-0.737	16.007
<input type="checkbox"/>	CCF6_610	5,118.330	0.000	0.000	0.000	5,107.882	Not Full	No	-0.454	10.448
<input type="checkbox"/>	CCF6_611	5,120.270	0.000	0.000	0.000	5,109.711	Not Full	No	-0.446	10.559
<input type="checkbox"/>	CCF6_612	5,123.450	0.000	0.000	0.000	5,112.276	Not Full	No	-0.451	11.174
<input type="checkbox"/>	CCF6_613	5,124.860	0.000	0.000	0.000	5,113.857	Not Full	No	-0.429	11.003
<input type="checkbox"/>	CCF6_614	5,125.820	0.000	0.000	0.000	5,114.978	Not Full	No	-0.418	10.842
<input type="checkbox"/>	CCF6_615	5,110.580	0.000	0.000	0.000	5,095.868	Not Full	No	-0.842	14.712
<input type="checkbox"/>	CCF6_68	5,111.480	0.000	0.000	0.000	5,098.505	Not Full	No	-0.452	12.975
<input type="checkbox"/>	CCF6_69	5,113.690	0.000	0.000	0.000	5,102.377	Not Full	No	-0.450	11.313
<input type="checkbox"/>	CCF9_46	5,168.820	31,499.988	125,071.153	0.000	5,150.273	Not Full	No	-0.463	18.547
<input type="checkbox"/>	CFF1_17	5,094.225	0.000	0.000	0.000	5,082.878	Not Full	No	-0.917	11.347

EXISTING MANHOLE TABLE

	ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
<input type="checkbox"/>	CFF1_18	5,096.025	0.000	0.000	0.000	5,085.215	Not Full	No	-0.920	10.810
<input type="checkbox"/>	CFF1_19	5,097.625	0.000	0.000	0.000	5,086.753	Not Full	No	-0.912	10.872
<input type="checkbox"/>	CFF1_19B1	5,098.735	0.000	0.000	0.000	5,087.701	Not Full	No	-0.734	11.034
<input type="checkbox"/>	CFF1_19B2	5,100.735	0.000	0.000	0.000	5,088.805	Not Full	No	-0.720	11.930
<input type="checkbox"/>	CFF1_20	5,101.125	0.000	0.000	0.000	5,089.657	Not Full	No	-0.708	11.468
<input type="checkbox"/>	CFF1_21	5,103.925	33,750.707	133,299.782	0.000	5,091.990	Not Full	No	-0.705	11.935
<input type="checkbox"/>	CFF1_22	5,106.175	0.000	0.000	0.000	5,093.649	Not Full	No	-0.716	12.526
<input type="checkbox"/>	CFF1_22A	5,112.405	0.000	0.000	0.000	5,100.576	Not Full	No	-0.662	11.829
<input type="checkbox"/>	CFF1_22B	5,106.965	0.000	0.000	0.000	5,095.236	Not Full	No	-0.662	11.729
<input type="checkbox"/>	CFF1_22C	5,104.765	56,250.699	215,559.751	0.000	5,093.015	Not Full	No	-0.583	11.750
<input type="checkbox"/>	CFF1_22D	5,107.255	0.000	0.000	0.000	5,095.055	Not Full	No	-0.833	12.200
<input type="checkbox"/>	CFF1_22E	5,106.875	0.000	0.000	0.000	5,096.885	Not Full	No	-0.833	9.990
<input type="checkbox"/>	CFF1_22F1	5,108.455	0.000	0.000	0.000	5,098.345	Not Full	No	-0.833	10.110
<input type="checkbox"/>	CFF1_23	5,105.785	0.000	0.000	0.000	5,095.077	Not Full	No	-0.728	10.708
<input type="checkbox"/>	CFF1_24	5,106.475	0.000	0.000	0.000	5,096.245	Not Full	No	-0.730	10.230
<input type="checkbox"/>	CFF1_25	5,107.655	0.000	0.000	0.000	5,097.640	Not Full	No	-0.725	10.015
<input type="checkbox"/>	CFF1_26	5,110.015	0.000	0.000	0.000	5,100.236	Not Full	No	-0.729	9.779
<input type="checkbox"/>	CFF1_27	5,113.825	0.000	0.000	0.000	5,103.561	Not Full	No	-0.734	10.264
<input type="checkbox"/>	CFF1_28	5,116.225	0.000	0.000	0.000	5,105.491	Not Full	No	-0.734	10.734
<input type="checkbox"/>	CFF1_29	5,122.135	0.000	0.000	0.000	5,109.231	Not Full	No	-0.784	12.904
<input type="checkbox"/>	CFF1_30	5,125.325	0.000	0.000	0.000	5,114.991	Not Full	No	-0.784	10.334
<input type="checkbox"/>	CFF1_31	5,128.455	0.000	0.000	0.000	5,116.591	Not Full	No	-0.734	11.864
<input type="checkbox"/>	CHF1A_22	5,068.620	73,249.892	269,117.000	0.000	5,055.729	Not Full	No	-1.271	12.891
<input type="checkbox"/>	CHF1A_23	5,070.640	0.000	0.000	0.000	5,052.429	Not Full	No	-1.281	18.211
<input type="checkbox"/>	CHF1A_24	5,052.800	0.000	0.000	0.000	5,042.267	Not Full	No	-1.233	10.533
<input type="checkbox"/>	CHF1A_25	5,050.970	0.000	0.000	0.000	5,039.092	Not Full	No	-1.208	11.878
<input type="checkbox"/>	CHF1A_A1A	5,049.900	0.000	0.000	0.000	5,038.203	Not Full	No	-1.207	11.697
<input type="checkbox"/>	CHF1A_C1	5,075.600	0.000	0.000	0.000	5,061.558	Not Full	No	-1.362	14.042
<input type="checkbox"/>	CHF1B_12	5,105.600	0.000	0.000	0.000	5,083.475	Not Full	No	-1.335	22.125
<input type="checkbox"/>	CHF1B_14A	5,122.490	0.000	0.000	0.000	5,101.902	Not Full	No	-1.338	20.588
<input type="checkbox"/>	CHF1B_15A	5,119.230	0.000	0.000	0.000	5,102.501	Not Full	No	-1.199	16.729
<input type="checkbox"/>	CHF1B_17	5,116.660	0.000	0.000	0.000	5,099.145	Not Full	No	-1.295	17.515
<input type="checkbox"/>	CHF1B_18	5,112.550	22,999.671	91,998.685	0.000	5,096.847	Not Full	No	-1.343	15.703
<input type="checkbox"/>	CHF1B_20	5,085.470	0.000	0.000	0.000	5,073.889	Not Full	No	-1.331	11.581
<input type="checkbox"/>	CHF3A_15	5,125.860	0.000	0.000	0.000	5,103.823	Not Full	No	-1.247	22.037
<input type="checkbox"/>	CHF3A_15B	5,119.230	0.000	0.000	0.000	5,103.134	Not Full	No	-1.246	16.096
<input type="checkbox"/>	CHF3C_8	5,125.190	0.000	0.000	0.000	5,115.959	Not Full	Yes	-1.331	9.231
<input type="checkbox"/>	CHF3C_9	5,124.720	0.000	0.000	0.000	5,114.465	Not Full	No	-1.325	10.255
<input type="checkbox"/>	CMF2_22G	5,109.075	0.000	0.000	0.000	5,099.925	Not Full	No	-0.833	9.150
<input type="checkbox"/>	CMF2_32	5,114.005	0.000	0.000	0.000	5,102.206	Not Full	No	-0.642	11.799
<input type="checkbox"/>	CMF2_33	5,113.055	0.000	0.000	0.000	5,103.012	Not Full	No	-0.606	10.043

EXISTING MANHOLE TABLE

	ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
<input type="checkbox"/>	CMF2_34	5,113.115	0.000	0.000	0.000	5,103.346	Not Full	No	-0.602	9.769
<input type="checkbox"/>	CMF2_35	5,114.465	0.000	0.000	0.000	5,104.086	Not Full	Yes	-0.613	10.379
<input type="checkbox"/>	CMF2_36	5,117.345	0.000	0.000	0.000	5,107.009	Not Full	No	-0.659	10.336
<input type="checkbox"/>	CMF2_37	5,118.695	0.000	0.000	0.000	5,108.362	Not Full	No	-0.656	10.333
<input type="checkbox"/>	CMF2_38	5,119.295	0.000	0.000	0.000	5,108.931	Not Full	No	-0.647	10.364
<input type="checkbox"/>	CMF2_39	5,120.035	0.000	0.000	0.000	5,109.725	Not Full	No	-0.643	10.310
<input type="checkbox"/>	CMF2_39A	5,121.225	0.000	0.000	0.000	5,110.348	Not Full	Yes	-0.600	10.877
<input type="checkbox"/>	CMF2_39B	5,120.725	0.000	0.000	0.000	5,114.184	Not Full	No	-0.674	6.541
<input type="checkbox"/>	CMF2_39C	5,124.225	0.000	0.000	0.000	5,114.960	Not Full	No	-0.598	9.265
<input type="checkbox"/>	CMF2_39D	5,128.225	0.000	0.000	0.000	5,115.709	Not Full	No	-0.599	12.516
<input type="checkbox"/>	COMP1_101	5,102.060	38,000.146	148,835.729	0.000	5,084.557	Not Full	No	-0.803	17.503
<input type="checkbox"/>	CSF1_C2A	5,068.715	0.000	0.000	0.000	5,050.047	Not Full	Yes	-1.018	18.668
<input type="checkbox"/>	CSF1_C2C	5,068.425	0.000	0.000	0.000	5,050.264	Not Full	No	-1.141	18.161
<input type="checkbox"/>	CSF1_C3A	5,080.635	0.000	0.000	0.000	5,068.089	Not Full	No	-1.056	12.546
<input type="checkbox"/>	CSF1_C3B	5,076.545	0.000	0.000	0.000	5,066.925	Not Full	No	-1.030	9.620
<input type="checkbox"/>	CSF1_C4B	5,073.805	0.000	0.000	0.000	5,065.272	Not Full	No	-1.063	8.533
<input type="checkbox"/>	CSF1_C5B	5,073.395	0.000	0.000	0.000	5,063.404	Not Full	No	-1.081	9.991
<input type="checkbox"/>	CSF1_C6C	5,069.785	18,074.873	72,299.493	0.000	5,062.424	Not Full	Yes	-1.011	7.361
<input type="checkbox"/>	ECF1_100	5,047.600	0.000	0.000	0.000	5,025.105	Not Full	No	-1.865	22.495
<input type="checkbox"/>	ECF1_102	5,047.000	0.000	0.000	0.000	5,024.670	Not Full	No	-1.850	22.330
<input type="checkbox"/>	ECF1_108	5,032.950	107,999.959	373,521.459	0.000	5,017.805	Not Full	No	-2.025	15.145
<input type="checkbox"/>	ECF1_118	5,028.750	0.000	0.000	0.000	5,020.704	Not Full	No	-0.586	8.046
<input type="checkbox"/>	ECF1_119	5,026.890	0.000	0.000	0.000	5,018.156	Not Full	No	-0.574	8.734
<input type="checkbox"/>	ECF1_2271	5,029.400	1,350.719	5,402.878	0.000	5,010.139	Not Full	Yes	-1.631	19.261
<input type="checkbox"/>	ECF1_24	5,038.000	0.000	0.000	0.000	5,027.704	Not Full	No	-1.696	10.296
<input type="checkbox"/>	ECF1_25	5,035.470	0.000	0.000	0.000	5,026.250	Not Full	No	-1.820	9.220
<input type="checkbox"/>	ECF1_26	5,036.230	0.000	0.000	0.000	5,023.676	Not Full	No	-1.934	12.554
<input type="checkbox"/>	ECF1_27	5,033.480	0.000	0.000	0.000	5,022.012	Not Full	No	-2.058	11.468
<input type="checkbox"/>	ECF1_28	5,032.150	0.000	0.000	0.000	5,014.642	Not Full	No	-2.028	17.508
<input type="checkbox"/>	ECF1_29	5,030.800	0.000	0.000	0.000	5,011.389	Not Full	No	-1.981	19.411
<input type="checkbox"/>	ECF1_44	5,039.800	0.000	0.000	0.000	5,027.050	Not Full	No	-1.700	12.750
<input type="checkbox"/>	ECF1_97	5,040.000	0.000	0.000	0.000	5,026.677	Not Full	No	-1.723	13.323
<input type="checkbox"/>	ECF1A2_131	5,060.000	22,374.712	89,498.846	0.000	5,048.664	Not Full	No	-0.666	11.336
<input type="checkbox"/>	ECF1A2_132	5,059.800	0.000	0.000	0.000	5,046.505	Not Full	Yes	-0.625	13.295
<input type="checkbox"/>	ECF21_120	5,065.390	1,175.040	4,700.158	0.000	5,055.905	Not Full	No	-0.655	9.485
<input type="checkbox"/>	ECF21_121	5,065.000	0.000	0.000	0.000	5,054.642	Not Full	Yes	-0.638	10.358
<input type="checkbox"/>	ECF21_123	5,065.000	0.000	0.000	0.000	5,053.222	Not Full	No	-0.658	11.778
<input type="checkbox"/>	ECF21_124	5,065.000	0.000	0.000	0.000	5,051.695	Not Full	No	-0.655	13.305
<input type="checkbox"/>	ECF21_130	5,062.000	0.000	0.000	0.000	5,050.197	Not Full	Yes	-0.633	11.803
<input type="checkbox"/>	ECF21_131	5,050.560	0.000	0.000	0.000	5,033.259	Not Full	No	-0.508	17.301
<input type="checkbox"/>	ECF21_132	5,050.500	0.000	0.000	0.000	5,032.163	Not Full	No	-0.503	18.337

EXISTING MANHOLE TABLE

	ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
<input type="checkbox"/>	ECF21_133	5,050.800	0.000	0.000	0.000	5,029.790	Not Full	Yes	-1.710	21.010
<input type="checkbox"/>	ECF21_22A	5,054.700	0.000	0.000	0.000	5,032.988	Not Full	No	-1.522	21.712
<input type="checkbox"/>	ECF21_23	5,050.000	0.000	0.000	0.000	5,029.278	Not Full	No	-1.722	20.722
<input type="checkbox"/>	ECF21_24	5,050.000	0.000	0.000	0.000	5,029.550	Not Full	No	-1.710	20.450
<input type="checkbox"/>	ECF21_9	5,047.000	17,749.433	70,997.733	0.000	5,028.509	Not Full	No	-1.791	18.491
<input type="checkbox"/>	ECF3_217	5,026.385	0.000	0.000	0.000	5,017.166	Not Full	Yes	-0.939	9.219
<input type="checkbox"/>	ECF3_218	5,027.535	0.000	0.000	0.000	5,015.946	Not Full	No	-0.989	11.589
<input type="checkbox"/>	ECF4_133	5,060.500	0.000	0.000	0.000	5,044.542	Not Full	No	-0.638	15.958
<input type="checkbox"/>	ECF4_134	5,053.280	0.000	0.000	0.000	5,042.484	Not Full	Yes	-0.496	10.796
<input type="checkbox"/>	ECF4_135	5,056.270	22,174.552	88,698.207	0.000	5,041.726	Not Full	No	-0.794	14.544
<input type="checkbox"/>	ECF5_204	5,046.995	0.000	0.000	0.000	5,036.054	Not Full	No	-1.121	10.941
<input type="checkbox"/>	ECF5_205	5,049.085	0.000	0.000	0.000	5,035.126	Not Full	No	-1.121	13.959
<input type="checkbox"/>	ECF5_208	5,047.375	0.000	0.000	0.000	5,032.694	Not Full	No	-1.121	14.681
<input type="checkbox"/>	ECF5_209	5,042.395	0.000	0.000	0.000	5,032.204	Not Full	Yes	-0.971	10.191
<input type="checkbox"/>	ECF5_213	5,046.395	0.000	0.000	0.000	5,031.644	Not Full	No	-0.971	14.751
<input type="checkbox"/>	ECF5_214	5,041.285	17,749.433	70,997.733	0.000	5,031.050	Not Full	No	-0.995	10.235
<input type="checkbox"/>	ECF5_215	5,041.125	0.000	0.000	0.000	5,029.538	Not Full	No	-1.137	11.587
<input type="checkbox"/>	ECF5_216	5,036.155	0.000	0.000	0.000	5,023.037	Not Full	No	-1.138	13.118
<input type="checkbox"/>	EHF1_2	5,109.900	0.000	0.000	0.000	5,099.100	Not Full	No	-0.667	10.800
<input type="checkbox"/>	EHF1_3	5,108.400	0.000	0.000	0.000	5,100.300	Not Full	No	-0.667	8.100
<input type="checkbox"/>	EHF1_4	5,112.700	0.000	0.000	0.000	5,101.700	Not Full	No	-0.667	11.000
<input type="checkbox"/>	EHF1_5	5,115.000	0.000	0.000	0.000	5,103.400	Not Full	No	-0.667	11.600
<input type="checkbox"/>	EHF1_6	5,118.300	0.000	0.000	0.000	5,106.900	Not Full	No	-0.667	11.400
<input type="checkbox"/>	EHF1_7	5,127.100	0.000	0.000	0.000	5,114.500	Not Full	No	-0.667	12.600
<input type="checkbox"/>	EHF1_8	5,131.700	0.000	0.000	0.000	5,120.300	Not Full	No	-0.667	11.400
<input type="checkbox"/>	EHF10_11	5,145.910	0.000	0.000	0.000	5,131.710	Not Full	No	-0.667	14.200
<input type="checkbox"/>	EHF10_12	5,147.180	0.000	0.000	0.000	5,132.750	Not Full	No	-0.667	14.430
<input type="checkbox"/>	EHF10_13	5,149.870	0.000	0.000	0.000	5,134.970	Not Full	No	-0.667	14.900
<input type="checkbox"/>	EHF10_14	5,149.450	0.000	0.000	0.000	5,136.140	Not Full	No	-0.667	13.310
<input type="checkbox"/>	EHF10_15	5,150.380	0.000	0.000	0.000	5,137.370	Not Full	No	-0.667	13.010
<input type="checkbox"/>	EHF10_16	5,151.800	0.000	0.000	0.000	5,138.570	Not Full	No	-0.667	13.230
<input type="checkbox"/>	EHF10_17	5,152.630	0.000	0.000	0.000	5,139.320	Not Full	No	-0.667	13.310
<input type="checkbox"/>	EHF10_18	5,153.120	0.000	0.000	0.000	5,139.820	Not Full	No	-0.667	13.300
<input type="checkbox"/>	EHF11_146	5,162.560	0.000	0.000	0.000	5,146.200	Not Full	No	-0.667	16.360
<input type="checkbox"/>	EHF11_147	5,158.690	0.000	0.000	0.000	5,145.180	Not Full	No	-0.667	13.510
<input type="checkbox"/>	EHF11_148	5,153.110	0.000	0.000	0.000	5,143.060	Not Full	No	-0.667	10.050
<input type="checkbox"/>	EHF3_10	5,147.800	0.000	0.000	0.000	5,136.200	Not Full	No	-0.667	11.600
<input type="checkbox"/>	EHF3_11	5,159.100	0.000	0.000	0.000	5,146.400	Not Full	No	-0.667	12.700
<input type="checkbox"/>	EHF3_12	5,169.300	0.000	0.000	0.000	5,149.400	Not Full	No	-0.667	19.900
<input type="checkbox"/>	EHF3_42	5,168.000	0.000	0.000	0.000	5,150.400	Not Full	No	-0.667	17.600
<input type="checkbox"/>	EHF3_9	5,136.500	0.000	0.000	0.000	5,125.000	Not Full	No	-0.667	11.500

EXISTING MANHOLE TABLE

	ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
<input type="checkbox"/>	EHF4_1	5,109.600	0.000	0.000	0.000	5,098.600	Not Full	No	-0.667	11.000
<input type="checkbox"/>	EHF7_1	5,166.480	0.000	0.000	0.000	5,151.430	Not Full	No	-0.667	15.050
<input type="checkbox"/>	EHF7_6	5,164.680	0.000	0.000	0.000	5,153.030	Not Full	No	-0.667	11.650
<input type="checkbox"/>	EHF9_1	5,078.280	0.000	0.000	0.000	5,068.280	Not Full	No	-0.667	10.000
<input type="checkbox"/>	EHF9_10	5,140.060	0.000	0.000	0.000	5,128.020	Not Full	No	-0.667	12.040
<input type="checkbox"/>	EHF9_19	5,155.080	0.000	0.000	0.000	5,141.550	Not Full	No	-0.667	13.530
<input type="checkbox"/>	EHF9_2	5,102.420	0.000	0.000	0.000	5,085.790	Not Full	No	-0.667	16.630
<input type="checkbox"/>	EHF9_3	5,107.570	0.000	0.000	0.000	5,095.570	Not Full	No	-0.667	12.000
<input type="checkbox"/>	EHF9_4	5,118.840	0.000	0.000	0.000	5,103.440	Not Full	No	-0.667	15.400
<input type="checkbox"/>	EHF9_5	5,127.680	0.000	0.000	0.000	5,115.660	Not Full	No	-0.667	12.020
<input type="checkbox"/>	EHF9_6	5,127.520	0.000	0.000	0.000	5,116.990	Not Full	No	-0.667	10.530
<input type="checkbox"/>	EHF9_7	5,137.990	0.000	0.000	0.000	5,123.580	Not Full	No	-0.667	14.410
<input type="checkbox"/>	EHF9_8	5,137.740	0.000	0.000	0.000	5,125.420	Not Full	No	-0.667	12.320
<input type="checkbox"/>	EHF9_9	5,139.150	0.000	0.000	0.000	5,127.150	Not Full	No	-0.667	12.000
<input type="checkbox"/>	EP_1	5,194.550	0.000	0.000	0.000	5,181.800	Not Full	No	-0.667	12.750
<input type="checkbox"/>	EP_2	5,134.160	0.000	0.000	0.000	5,120.810	Not Full	No	-0.667	13.350
<input type="checkbox"/>	EP_3	5,114.460	0.000	0.000	0.000	5,101.610	Not Full	No	-0.667	12.850
<input type="checkbox"/>	EVF1_7	4,998.450	47,001.582	181,744.981	0.000	4,988.419	Not Full	No	-0.564	10.031
<input type="checkbox"/>	EVF1A1_51	5,012.830	0.000	0.000	0.000	4,996.911	Not Full	No	-1.269	15.919
<input type="checkbox"/>	EVF1A1_52	5,010.640	0.000	0.000	0.000	4,996.136	Not Full	No	-1.124	14.504
<input type="checkbox"/>	EVF1A2_1	5,014.410	0.000	0.000	0.000	4,997.647	Not Full	No	-1.153	16.763
<input type="checkbox"/>	EVF1A2_50	5,014.510	0.000	0.000	0.000	4,997.485	Not Full	No	-1.115	17.025
<input type="checkbox"/>	EVF2_1A	4,997.540	0.000	0.000	0.000	4,985.020	Not Full	No	-1.000	12.520
<input type="checkbox"/>	EVF2_2	4,996.690	0.000	0.000	0.000	4,985.219	Not Full	Yes	-0.761	11.471
<input type="checkbox"/>	EVF2_3	4,996.740	0.000	0.000	0.000	4,986.275	Not Full	No	-0.805	10.465
<input type="checkbox"/>	EVF2_4	4,998.320	0.000	0.000	0.000	4,986.420	Not Full	No	-0.554	11.900
<input type="checkbox"/>	EVF2_4A	4,994.440	15,249.594	60,998.377	0.000	4,983.351	Not Full	No	-0.659	11.089
<input type="checkbox"/>	EVF2_5	4,994.950	0.000	0.000	0.000	4,983.903	Not Full	No	-0.737	11.047
<input type="checkbox"/>	EVF2_5A	4,998.320	0.000	0.000	0.000	4,987.033	Not Full	No	-0.570	11.287
<input type="checkbox"/>	EVF2_6	4,997.130	0.000	0.000	0.000	4,987.731	Not Full	No	-0.563	9.399
<input type="checkbox"/>	EVF2_6A	4,995.080	0.000	0.000	0.000	4,984.114	Not Full	No	-0.766	10.966
<input type="checkbox"/>	EVF2_7	4,995.890	0.000	0.000	0.000	4,984.378	Not Full	No	-0.732	11.512
<input type="checkbox"/>	EVF2_8	4,996.820	0.000	0.000	0.000	4,984.681	Not Full	No	-0.749	12.139
<input type="checkbox"/>	EVF3_47	5,015.880	0.000	0.000	0.000	4,998.487	Not Full	No	-1.143	17.393
<input type="checkbox"/>	EVF3_48	5,014.910	0.000	0.000	0.000	4,997.982	Not Full	No	-1.148	16.928
<input type="checkbox"/>	EVF4_46	5,017.080	0.000	0.000	0.000	4,999.003	Not Full	No	-1.147	18.077
<input type="checkbox"/>	FMF4_4_4	5,116.700	0.000	0.000	0.000	5,105.234	Not Full	No	-0.766	11.466
<input type="checkbox"/>	FMF6_1	5,127.260	0.000	0.000	0.000	5,114.540	Not Full	No	-0.667	12.720
<input type="checkbox"/>	FMF6_2	5,129.260	0.000	0.000	0.000	5,116.520	Not Full	No	-0.667	12.740
<input type="checkbox"/>	FMF6_4_6	5,124.560	47,999.502	185,393.375	0.000	5,106.428	Not Full	No	-0.772	18.132
<input type="checkbox"/>	FMF7_3	5,131.760	0.000	0.000	0.000	5,119.260	Not Full	No	-0.667	12.500

EXISTING MANHOLE TABLE

	ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
<input type="checkbox"/>	FMF7_4	5,136.220	0.000	0.000	0.000	5,123.320	Not Full	No	-0.667	12.900
<input type="checkbox"/>	FMF7_5	5,140.390	0.000	0.000	0.000	5,126.970	Not Full	No	-0.667	13.420
<input type="checkbox"/>	FMF8_1	5,148.970	0.000	0.000	0.000	5,136.070	Not Full	No	-0.667	12.900
<input type="checkbox"/>	FMF8_10	5,160.550	0.000	0.000	0.000	5,145.290	Not Full	No	-0.667	15.260
<input type="checkbox"/>	FMF8_11	5,159.940	0.000	0.000	0.000	5,145.740	Not Full	No	-0.667	14.200
<input type="checkbox"/>	FMF8_2	5,149.930	0.000	0.000	0.000	5,137.020	Not Full	No	-0.667	12.910
<input type="checkbox"/>	FMF8_3	5,151.500	0.000	0.000	0.000	5,138.680	Not Full	No	-0.667	12.820
<input type="checkbox"/>	FMF8_4	5,153.490	0.000	0.000	0.000	5,139.790	Not Full	No	-0.667	13.700
<input type="checkbox"/>	FMF8_6	5,146.040	0.000	0.000	0.000	5,129.900	Not Full	No	-0.667	16.140
<input type="checkbox"/>	FMF8_8	5,155.950	0.000	0.000	0.000	5,143.360	Not Full	No	-0.667	12.590
<input type="checkbox"/>	FMF8_9	5,159.460	0.000	0.000	0.000	5,144.700	Not Full	No	-0.667	14.760
<input type="checkbox"/>	FMF9_1	5,189.630	0.000	0.000	0.000	5,172.170	Not Full	No	-0.603	17.460
<input type="checkbox"/>	FMF9_10	5,162.750	0.000	0.000	0.000	5,153.780	Not Full	No	-0.667	8.970
<input type="checkbox"/>	FMF9_11	5,164.610	0.000	0.000	0.000	5,150.360	Not Full	No	-0.667	14.250
<input type="checkbox"/>	FMF9_12	5,162.750	0.000	0.000	0.000	5,148.260	Not Full	No	-0.667	14.490
<input type="checkbox"/>	FMF9_13	5,162.520	0.000	0.000	0.000	5,147.740	Not Full	No	-0.667	14.780
<input type="checkbox"/>	FMF9_15	5,172.560	0.000	0.000	0.000	5,159.590	Not Full	No	-0.667	12.970
<input type="checkbox"/>	FMF9_22	5,178.510	0.000	0.000	0.000	5,157.820	Not Full	No	-0.667	20.690
<input type="checkbox"/>	FMF9_23	5,173.130	0.000	0.000	0.000	5,159.130	Not Full	No	-0.667	14.000
<input type="checkbox"/>	FMF9_3	5,162.290	0.000	0.000	0.000	5,147.130	Not Full	No	-0.667	15.160
<input type="checkbox"/>	FMF9_35	5,174.800	0.000	0.000	0.000	5,158.660	Not Full	No	-0.667	16.140
<input type="checkbox"/>	FMF9_9	5,174.730	0.000	0.000	0.000	5,156.260	Not Full	No	-0.667	18.470
<input type="checkbox"/>	GVF1_0	5,069.880	18,999.353	75,997.411	0.000	5,061.119	Not Full	No	-0.578	8.761
<input type="checkbox"/>	GVF1_100	5,086.630	0.000	0.000	0.000	5,074.838	Not Full	No	-0.429	11.792
<input type="checkbox"/>	GVF1_101	5,083.880	0.000	0.000	0.000	5,072.157	Not Full	No	-0.390	11.723
<input type="checkbox"/>	GVF1_102	5,079.520	0.000	0.000	0.000	5,067.873	Not Full	No	-0.384	11.647
<input type="checkbox"/>	GVF1_103	5,078.780	0.000	0.000	0.000	5,067.080	Not Full	No	-0.357	11.700
<input type="checkbox"/>	GVF1_104	5,078.130	0.000	0.000	0.000	5,066.398	Not Full	No	-0.438	11.732
<input type="checkbox"/>	GVF1_105	5,074.200	0.000	0.000	0.000	5,062.357	Not Full	No	-0.460	11.843
<input type="checkbox"/>	GVF1_106	5,071.440	0.000	0.000	0.000	5,059.580	Not Full	No	-0.447	11.860
<input type="checkbox"/>	GVF1_107	5,070.010	0.000	0.000	0.000	5,058.014	Not Full	No	-0.463	11.996
<input type="checkbox"/>	GVF1_108	5,064.570	0.000	0.000	0.000	5,052.752	Not Full	No	-0.424	11.818
<input type="checkbox"/>	GVF1_109	5,062.860	0.000	0.000	0.000	5,050.502	Not Full	No	-0.505	12.358
<input type="checkbox"/>	GVF1_111	5,041.130	0.000	0.000	0.000	5,029.687	Not Full	No	-0.410	11.443
<input type="checkbox"/>	GVF1_113	5,037.460	0.000	0.000	0.000	5,025.711	Not Full	No	-0.365	11.749
<input type="checkbox"/>	GVF1_114	5,036.980	0.000	0.000	0.000	5,025.114	Not Full	No	-0.372	11.866
<input type="checkbox"/>	GVF1_115	5,036.250	0.000	0.000	0.000	5,024.157	Not Full	No	-0.389	12.093
<input type="checkbox"/>	GVF1_116	5,036.640	0.000	0.000	0.000	5,023.275	Not Full	Yes	-0.585	13.365
<input type="checkbox"/>	GVF1_117	5,036.520	60,750.697	230,282.000	0.000	5,022.902	Not Full	No	-0.598	13.618
<input type="checkbox"/>	GVF1_36	5,063.750	0.000	0.000	0.000	5,049.699	Not Full	No	-0.528	14.051
<input type="checkbox"/>	GVF1_37	5,061.780	0.000	0.000	0.000	5,047.566	Not Full	No	-0.520	14.214

EXISTING MANHOLE TABLE

	ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
<input type="checkbox"/>	GVF1_40	5,062.570	0.000	0.000	0.000	5,046.560	Not Full	No	-0.527	16.010
<input type="checkbox"/>	GVF1_41	5,060.770	0.000	0.000	0.000	5,045.633	Not Full	No	-0.543	15.137
<input type="checkbox"/>	GVF1_48	5,053.840	0.000	0.000	0.000	5,041.894	Not Full	No	-0.543	11.946
<input type="checkbox"/>	GVF1_50	5,052.490	0.000	0.000	0.000	5,039.569	Not Full	No	-0.548	12.921
<input type="checkbox"/>	GVF1_51	5,052.020	39,599.985	154,684.742	0.000	5,035.100	Not Full	Yes	-0.563	16.920
<input type="checkbox"/>	GVF1_52	5,051.260	0.000	0.000	0.000	5,034.283	Not Full	No	-0.570	16.977
<input type="checkbox"/>	GVF1_53	5,049.200	0.000	0.000	0.000	5,033.772	Not Full	No	-0.591	15.428
<input type="checkbox"/>	GVF1_56	5,047.700	0.000	0.000	0.000	5,033.155	Not Full	Yes	-0.559	14.545
<input type="checkbox"/>	GVF1_57	5,046.840	0.000	0.000	0.000	5,032.775	Not Full	No	-0.559	14.065
<input type="checkbox"/>	GVF1_58	5,044.590	0.000	0.000	0.000	5,032.060	Not Full	No	-0.583	12.530
<input type="checkbox"/>	GVF1_59	5,042.030	0.000	0.000	0.000	5,031.109	Not Full	Yes	-0.575	10.921
<input type="checkbox"/>	GVF1_60	5,038.910	0.000	0.000	0.000	5,030.065	Not Full	No	-0.715	8.845
<input type="checkbox"/>	GVF1_61	5,040.570	0.000	0.000	0.000	5,029.444	Not Full	No	-0.756	11.126
<input type="checkbox"/>	GVF1_78	5,041.100	0.000	0.000	0.000	5,028.951	Not Full	No	-0.699	12.149
<input type="checkbox"/>	GVF1_80	5,041.000	0.000	0.000	0.000	5,028.268	Not Full	No	-0.702	12.732
<input type="checkbox"/>	GVF1_90	5,038.390	0.000	0.000	0.000	5,027.537	Not Full	No	-0.713	10.853
<input type="checkbox"/>	GVF1_91	5,037.800	0.000	0.000	0.000	5,027.196	Not Full	No	-0.824	10.604
<input type="checkbox"/>	GVF1_95	5,106.750	97,499.483	342,629.059	0.000	5,094.270	Not Full	No	-0.417	12.480
<input type="checkbox"/>	GVF1_96	5,104.310	0.000	0.000	0.000	5,092.549	Not Full	No	-0.448	11.761
<input type="checkbox"/>	GVF1_97	5,099.330	0.000	0.000	0.000	5,087.644	Not Full	No	-0.452	11.686
<input type="checkbox"/>	GVF1_98	5,095.600	0.000	0.000	0.000	5,083.524	Not Full	No	-0.473	12.076
<input type="checkbox"/>	GVF1_99	5,090.720	0.000	0.000	0.000	5,078.834	Not Full	No	-0.472	11.886
<input type="checkbox"/>	HWY52_1	5,018.000	0.000	0.000	0.000	5,003.760	Not Full	No	-2.000	14.240
<input type="checkbox"/>	HWY52_10	4,949.000	0.000	0.000	0.000	4,935.500	Not Full	No	-2.000	13.500
<input type="checkbox"/>	HWY52_11	4,945.000	0.000	0.000	0.000	4,932.150	Not Full	No	-2.000	12.850
<input type="checkbox"/>	HWY52_12	4,942.120	0.000	0.000	0.000	4,928.150	Not Full	No	-3.000	13.970
<input type="checkbox"/>	HWY52_2	5,035.250	0.000	0.000	0.000	4,999.110	Not Full	No	-2.000	36.140
<input type="checkbox"/>	HWY52_3	5,025.320	0.000	0.000	0.000	4,997.050	Not Full	No	-2.000	28.270
<input type="checkbox"/>	HWY52_4	5,010.170	0.000	0.000	0.000	4,991.150	Not Full	No	-2.000	19.020
<input type="checkbox"/>	HWY52_5	5,002.380	0.000	0.000	0.000	4,981.190	Not Full	No	-2.000	21.190
<input type="checkbox"/>	HWY52_6	4,990.000	0.000	0.000	0.000	4,971.240	Not Full	No	-2.000	18.760
<input type="checkbox"/>	HWY52_7	4,977.000	0.000	0.000	0.000	4,963.970	Not Full	No	-2.000	13.030
<input type="checkbox"/>	HWY52_8	4,979.360	0.000	0.000	0.000	4,959.150	Not Full	No	-2.000	20.210
<input type="checkbox"/>	HWY52_9	4,948.500	0.000	0.000	0.000	4,938.320	Not Full	No	-2.000	10.180
<input type="checkbox"/>	I25_1	5,220.000	0.000	0.000	0.000	5,206.500	Not Full	No	-0.667	13.500
<input type="checkbox"/>	I25_10	5,156.010	0.000	0.000	0.000	5,146.780	Not Full	No	-1.500	9.230
<input type="checkbox"/>	I25_11	5,154.000	0.000	0.000	0.000	5,145.850	Not Full	No	-1.500	8.150
<input type="checkbox"/>	I25_12	5,155.000	0.000	0.000	0.000	5,144.520	Not Full	No	-1.500	10.480
<input type="checkbox"/>	I25_13	5,155.070	0.000	0.000	0.000	5,144.180	Not Full	No	-1.500	10.890
<input type="checkbox"/>	I25_14	5,157.090	0.000	0.000	0.000	5,143.770	Not Full	No	-1.500	13.320
<input type="checkbox"/>	I25_15	5,158.050	0.000	0.000	0.000	5,143.370	Not Full	No	-1.500	14.680

EXISTING MANHOLE TABLE

	ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
<input type="checkbox"/>	I25_16	5,176.000	0.000	0.000	0.000	5,142.040	Not Full	No	-1.500	33.960
<input type="checkbox"/>	I25_17	5,153.000	0.000	0.000	0.000	5,140.320	Not Full	No	-1.500	12.680
<input type="checkbox"/>	I25_18	5,120.000	0.000	0.000	0.000	5,106.400	Not Full	No	-1.500	13.600
<input type="checkbox"/>	I25_19	5,101.320	0.000	0.000	0.000	5,092.000	Not Full	No	-1.500	9.320
<input type="checkbox"/>	I25_2	5,192.000	0.000	0.000	0.000	5,178.500	Not Full	No	-0.667	13.500
<input type="checkbox"/>	I25_20	5,100.300	0.000	0.000	0.000	5,090.320	Not Full	No	-1.500	9.980
<input type="checkbox"/>	I25_21	5,104.180	0.000	0.000	0.000	5,085.650	Not Full	No	-1.500	18.530
<input type="checkbox"/>	I25_22	5,091.630	0.000	0.000	0.000	5,078.780	Not Full	No	-1.500	12.850
<input type="checkbox"/>	I25_23	5,065.480	0.000	0.000	0.000	5,052.730	Not Full	No	-1.500	12.750
<input type="checkbox"/>	I25_24	5,058.000	0.000	0.000	0.000	5,044.900	Not Full	No	-2.000	13.100
<input type="checkbox"/>	I25_25	5,060.930	0.000	0.000	0.000	5,043.730	Not Full	No	-2.000	17.200
<input type="checkbox"/>	I25_26	5,061.820	0.000	0.000	0.000	5,042.580	Not Full	No	-2.000	19.240
<input type="checkbox"/>	I25_27	5,053.670	0.000	0.000	0.000	5,039.370	Not Full	No	-2.000	14.300
<input type="checkbox"/>	I25_28	5,057.640	0.000	0.000	0.000	5,037.750	Not Full	No	-2.000	19.890
<input type="checkbox"/>	I25_29	5,053.000	0.000	0.000	0.000	5,036.650	Not Full	No	-2.000	16.350
<input type="checkbox"/>	I25_3	5,183.000	0.000	0.000	0.000	5,169.400	Not Full	No	-1.000	13.600
<input type="checkbox"/>	I25_30	5,029.050	0.000	0.000	0.000	5,017.890	Not Full	No	-2.000	11.160
<input type="checkbox"/>	I25_31	5,046.550	0.000	0.000	0.000	5,015.020	Not Full	No	-2.000	31.530
<input type="checkbox"/>	I25_32	5,046.000	0.000	0.000	0.000	5,014.310	Not Full	No	-2.000	31.690
<input type="checkbox"/>	I25_33	5,050.000	0.000	0.000	0.000	5,013.680	Not Full	No	-2.000	36.320
<input type="checkbox"/>	I25_34	5,033.000	0.000	0.000	0.000	5,012.020	Not Full	No	-2.000	20.980
<input type="checkbox"/>	I25_35	5,033.180	0.000	0.000	0.000	5,010.370	Not Full	No	-2.000	22.810
<input type="checkbox"/>	I25_36	5,024.780	0.000	0.000	0.000	5,006.390	Not Full	No	-2.000	18.390
<input type="checkbox"/>	I25_4	5,181.940	0.000	0.000	0.000	5,168.400	Not Full	No	-1.000	13.540
<input type="checkbox"/>	I25_5	5,180.000	0.000	0.000	0.000	5,166.400	Not Full	No	-1.000	13.600
<input type="checkbox"/>	I25_6	5,176.000	0.000	0.000	0.000	5,163.400	Not Full	No	-1.000	12.600
<input type="checkbox"/>	I25_7	5,172.980	0.000	0.000	0.000	5,160.090	Not Full	No	-1.000	12.890
<input type="checkbox"/>	I25_8	5,171.000	0.000	0.000	0.000	5,157.400	Not Full	No	-1.250	13.600
<input type="checkbox"/>	I25_9	5,168.930	0.000	0.000	0.000	5,155.330	Not Full	No	-1.250	13.600
<input type="checkbox"/>	KEF1_1	4,993.140	0.000	0.000	0.000	4,982.466	Not Full	No	-0.584	10.674
<input type="checkbox"/>	KEF1_10	4,994.650	6,000.478	24,001.911	0.000	4,982.856	Not Full	No	-0.894	11.794
<input type="checkbox"/>	KEF1_1A	4,992.460	0.000	0.000	0.000	4,987.630	Not Full	No	-1.000	4.830
<input type="checkbox"/>	KEF1_2	4,992.940	0.000	0.000	0.000	4,982.714	Not Full	No	-0.566	10.226
<input type="checkbox"/>	KEF1_2A	4,993.170	0.000	0.000	0.000	4,986.910	Not Full	No	-1.000	6.260
<input type="checkbox"/>	KEF1_3	4,992.980	0.000	0.000	0.000	4,982.777	Not Full	No	-0.633	10.203
<input type="checkbox"/>	KEF1_3A	4,992.130	0.000	0.000	0.000	4,986.450	Not Full	No	-1.000	5.680
<input type="checkbox"/>	KEF1_4	4,992.310	0.000	0.000	0.000	4,985.750	Not Full	No	-1.000	6.560
<input type="checkbox"/>	KEF1_5	4,991.820	0.000	0.000	0.000	4,985.470	Not Full	No	-1.000	6.350
<input type="checkbox"/>	KEF1_6	4,991.120	0.000	0.000	0.000	4,985.080	Not Full	No	-1.000	6.040
<input type="checkbox"/>	KEF1_7	4,992.280	0.000	0.000	0.000	4,984.100	Not Full	No	-1.000	8.180
<input type="checkbox"/>	KEF1_8	4,992.920	0.000	0.000	0.000	4,983.870	Not Full	No	-1.000	9.050

EXISTING MANHOLE TABLE

	ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
<input type="checkbox"/>	KEF1_80	4,993.540	0.000	0.000	0.000	4,982.034	Not Full	No	-0.596	11.506
<input type="checkbox"/>	KEF1_81	4,992.760	0.000	0.000	0.000	4,981.719	Not Full	No	-0.591	11.041
<input type="checkbox"/>	KEF1_82	4,990.810	0.000	0.000	0.000	4,981.017	Not Full	No	-0.563	9.793
<input type="checkbox"/>	KEF1_83	4,989.710	0.000	0.000	0.000	4,980.344	Not Full	No	-0.686	9.366
<input type="checkbox"/>	KEF1_9	4,994.310	0.000	0.000	0.000	4,983.190	Not Full	No	-1.000	11.120
<input type="checkbox"/>	KFF1_10	4,997.270	59,250.218	225,620.011	0.000	4,983.957	Not Full	No	-0.673	13.313
<input type="checkbox"/>	KFF1_11	4,998.630	0.000	0.000	0.000	4,984.070	Not Full	No	-1.000	14.560
<input type="checkbox"/>	KFF1_14	5,000.070	0.000	0.000	0.000	4,984.910	Not Full	No	-1.000	15.160
<input type="checkbox"/>	KFF1_15	5,000.120	0.000	0.000	0.000	4,986.020	Not Full	No	-1.000	14.100
<input type="checkbox"/>	KFF1_16	5,001.010	0.000	0.000	0.000	4,986.750	Not Full	No	-1.000	14.260
<input type="checkbox"/>	KFF1_9	4,995.240	0.000	0.000	0.000	4,983.349	Not Full	No	-0.691	11.891
<input type="checkbox"/>	LCFA_1	5,012.427	0.000	0.000	0.000	4,996.682	Not Full	No	-1.268	15.745
<input type="checkbox"/>	LCFA_10	5,023.387	0.000	0.000	0.000	5,010.367	Not Full	No	-0.667	13.020
<input type="checkbox"/>	LCFA_11	5,026.087	0.000	0.000	0.000	5,013.187	Not Full	No	-0.667	12.900
<input type="checkbox"/>	LCFA_12	5,027.167	0.000	0.000	0.000	5,014.177	Not Full	No	-0.667	12.990
<input type="checkbox"/>	LCFA_13	5,028.197	0.000	0.000	0.000	5,015.437	Not Full	No	-0.667	12.760
<input type="checkbox"/>	LCFA_14	5,030.217	0.000	0.000	0.000	5,017.167	Not Full	No	-0.667	13.050
<input type="checkbox"/>	LCFA_15	5,031.377	0.000	0.000	0.000	5,018.497	Not Full	No	-0.667	12.880
<input type="checkbox"/>	LCFA_16	5,033.227	0.000	0.000	0.000	5,020.197	Not Full	No	-0.667	13.030
<input type="checkbox"/>	LCFA_17	5,041.107	0.000	0.000	0.000	5,029.007	Not Full	No	-0.667	12.100
<input type="checkbox"/>	LCFA_3	5,013.587	0.000	0.000	0.000	5,001.827	Not Full	No	-0.667	11.760
<input type="checkbox"/>	LCFA_4	5,016.087	0.000	0.000	0.000	5,002.897	Not Full	No	-0.667	13.190
<input type="checkbox"/>	LCFA_5	5,016.697	0.000	0.000	0.000	5,004.297	Not Full	No	-0.667	12.400
<input type="checkbox"/>	LCFA_6	5,018.577	0.000	0.000	0.000	5,005.317	Not Full	No	-0.667	13.260
<input type="checkbox"/>	LCFA_7	5,018.577	0.000	0.000	0.000	5,006.317	Not Full	No	-0.667	12.260
<input type="checkbox"/>	LCFA_8	5,019.587	0.000	0.000	0.000	5,007.187	Not Full	No	-0.667	12.400
<input type="checkbox"/>	LCFA_9	5,020.547	0.000	0.000	0.000	5,007.827	Not Full	No	-0.667	12.720
<input type="checkbox"/>	LCFB_1	5,019.517	0.000	0.000	0.000	5,007.037	Not Full	No	-0.667	12.480
<input type="checkbox"/>	LCFB_2	5,020.547	0.000	0.000	0.000	5,008.057	Not Full	No	-0.667	12.490
<input type="checkbox"/>	LCFB_3	5,022.307	0.000	0.000	0.000	5,009.797	Not Full	No	-0.667	12.510
<input type="checkbox"/>	LCFB_4	5,023.587	0.000	0.000	0.000	5,010.737	Not Full	No	-0.667	12.850
<input type="checkbox"/>	NMS_1	5,190.130	0.000	0.000	0.000	5,179.940	Not Full	No	-0.833	10.190
<input type="checkbox"/>	NMS_10	5,211.030	0.000	0.000	0.000	5,202.770	Not Full	No	-0.833	8.260
<input type="checkbox"/>	NMS_11	5,214.550	0.000	0.000	0.000	5,206.970	Not Full	No	-0.833	7.580
<input type="checkbox"/>	NMS_12	5,217.140	0.000	0.000	0.000	5,210.370	Not Full	No	-0.833	6.770
<input type="checkbox"/>	NMS_13	5,223.610	0.000	0.000	0.000	5,213.770	Not Full	No	-0.833	9.840
<input type="checkbox"/>	NMS_14	5,225.100	0.000	0.000	0.000	5,214.870	Not Full	No	-0.833	10.230
<input type="checkbox"/>	NMS_15	5,226.430	0.000	0.000	0.000	5,216.370	Not Full	No	-0.833	10.060
<input type="checkbox"/>	NMS_16	5,233.130	0.000	0.000	0.000	5,219.290	Not Full	No	-0.833	13.840
<input type="checkbox"/>	NMS_17	5,241.740	0.000	0.000	0.000	5,226.140	Not Full	No	-0.833	15.600
<input type="checkbox"/>	NMS_18	5,250.320	0.000	0.000	0.000	5,237.300	Not Full	No	-0.833	13.020

EXISTING MANHOLE TABLE

	ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
<input type="checkbox"/>	NMS_19	5,252.800	0.000	0.000	0.000	5,240.720	Not Full	No	-0.833	12.080
<input type="checkbox"/>	NMS_2	5,190.240	0.000	0.000	0.000	5,183.630	Not Full	No	-0.833	6.610
<input type="checkbox"/>	NMS_20	5,251.790	0.000	0.000	0.000	5,241.900	Not Full	No	-0.833	9.890
<input type="checkbox"/>	NMS_3	5,191.230	0.000	0.000	0.000	5,184.970	Not Full	No	-0.833	6.260
<input type="checkbox"/>	NMS_4	5,195.030	0.000	0.000	0.000	5,187.870	Not Full	No	-0.833	7.160
<input type="checkbox"/>	NMS_5	5,196.680	0.000	0.000	0.000	5,189.750	Not Full	No	-0.833	6.930
<input type="checkbox"/>	NMS_6	5,198.380	0.000	0.000	0.000	5,191.650	Not Full	No	-0.833	6.730
<input type="checkbox"/>	NMS_7	5,200.000	0.000	0.000	0.000	5,193.510	Not Full	No	-0.833	6.490
<input type="checkbox"/>	NMS_8	5,203.910	0.000	0.000	0.000	5,197.710	Not Full	No	-0.833	6.200
<input type="checkbox"/>	NMS_9	5,210.370	0.000	0.000	0.000	5,201.290	Not Full	No	-0.833	9.080
<input type="checkbox"/>	OGF1_1	5,165.050	0.000	0.000	0.000	5,151.065	Not Full	No	-0.833	13.985
<input type="checkbox"/>	OGF1_17	5,150.610	0.000	0.000	0.000	5,138.985	Not Full	No	-0.833	11.625
<input type="checkbox"/>	OGF1_18	5,148.840	0.000	0.000	0.000	5,137.445	Not Full	No	-0.833	11.395
<input type="checkbox"/>	OGF1_2	5,160.050	0.000	0.000	0.000	5,146.865	Not Full	No	-0.833	13.185
<input type="checkbox"/>	OGF1_25	5,148.140	0.000	0.000	0.000	5,136.135	Not Full	No	-0.833	12.005
<input type="checkbox"/>	OGF1_3	5,159.350	0.000	0.000	0.000	5,146.225	Not Full	No	-0.833	13.125
<input type="checkbox"/>	OGF1_4	5,152.800	0.000	0.000	0.000	5,140.735	Not Full	No	-0.833	12.065
<input type="checkbox"/>	OGF1_5	5,150.890	0.000	0.000	0.000	5,139.645	Not Full	No	-0.833	11.245
<input type="checkbox"/>	OGF1_69	5,151.490	0.000	0.000	0.000	5,139.592	Not Full	Yes	-0.596	11.898
<input type="checkbox"/>	OGF1_70	5,150.690	0.000	0.000	0.000	5,138.945	Not Full	No	-0.593	11.745
<input type="checkbox"/>	OGF1_71	5,149.600	0.000	0.000	0.000	5,138.308	Not Full	No	-0.510	11.292
<input type="checkbox"/>	OGF1_72	5,148.590	0.000	0.000	0.000	5,137.849	Not Full	No	-0.630	10.741
<input type="checkbox"/>	OGF1_73	5,149.230	0.000	0.000	0.000	5,137.128	Not Full	Yes	-0.591	12.102
<input type="checkbox"/>	OGF1_74	5,148.230	0.000	0.000	0.000	5,135.928	Not Full	No	-0.630	12.302
<input type="checkbox"/>	OGF1_75	5,148.230	0.000	0.000	0.000	5,135.051	Not Full	No	-0.608	13.179
<input type="checkbox"/>	OGF2_29	5,177.635	0.000	0.000	0.000	5,163.675	Not Full	No	-0.667	13.960
<input type="checkbox"/>	OGF2_31	5,172.695	0.000	0.000	0.000	5,161.185	Not Full	No	-0.667	11.510
<input type="checkbox"/>	OGF2_32	5,167.395	0.000	0.000	0.000	5,155.755	Not Full	No	-0.667	11.640
<input type="checkbox"/>	OGF2_33	5,162.905	0.000	0.000	0.000	5,150.925	Not Full	No	-0.667	11.980
<input type="checkbox"/>	OGF2_34	5,162.905	0.000	0.000	0.000	5,149.215	Not Full	No	-0.667	13.690
<input type="checkbox"/>	OGF2_46	5,158.455	0.000	0.000	0.000	5,146.495	Not Full	No	-0.667	11.960
<input type="checkbox"/>	OGF2_49	5,156.745	0.000	0.000	0.000	5,144.495	Not Full	No	-0.667	12.250
<input type="checkbox"/>	OGF2_50	5,155.135	0.000	0.000	0.000	5,143.135	Not Full	No	-0.667	12.000
<input type="checkbox"/>	OGF2_65	5,153.045	49,150.061	189,599.821	0.000	5,142.941	Not Full	No	-0.558	10.104
<input type="checkbox"/>	OGF2_68	5,154.360	0.000	0.000	0.000	5,142.403	Not Full	No	-0.635	11.957
<input type="checkbox"/>	OTF1_101	5,021.153	0.000	0.000	0.000	5,004.293	Not Full	No	-1.000	16.860
<input type="checkbox"/>	OTF1_102	5,011.353	0.000	0.000	0.000	5,003.307	Not Full	No	-0.936	8.046
<input type="checkbox"/>	OTF1_103	5,010.453	0.000	0.000	0.000	5,003.307	Not Full	No	-0.676	7.146
<input type="checkbox"/>	OTF1_108	5,011.000	0.000	0.000	0.000	4,999.134	Not Full	No	-1.199	11.866
<input type="checkbox"/>	OTF1_30	5,023.393	0.000	0.000	0.000	5,016.723	Not Full	No	-0.667	6.670
<input type="checkbox"/>	OTF1_37	5,021.223	0.000	0.000	0.000	5,016.053	Not Full	No	-0.667	5.170

EXISTING MANHOLE TABLE

	ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
<input type="checkbox"/>	OTF1_43	5,019.833	54,450.699	208,978.954	0.000	5,014.624	Not Full	No	-0.375	5.209
<input type="checkbox"/>	OTF1_44	5,018.643	0.000	0.000	0.000	5,012.824	Not Full	No	-0.366	5.819
<input type="checkbox"/>	OTF1_46	5,021.543	0.000	0.000	0.000	5,015.263	Not Full	No	-0.833	6.280
<input type="checkbox"/>	OTF1_47	5,021.643	0.000	0.000	0.000	5,015.223	Not Full	No	-0.833	6.420
<input type="checkbox"/>	OTF1_48	5,019.783	0.000	0.000	0.000	5,013.303	Not Full	No	-0.833	6.480
<input type="checkbox"/>	OTF1_60A	5,011.220	0.000	0.000	0.000	4,993.108	Not Full	No	-1.582	18.112
<input type="checkbox"/>	OTF1_61A	5,011.010	0.000	0.000	0.000	4,992.770	Not Full	No	-1.600	18.240
<input type="checkbox"/>	OTF1_62	5,017.723	27,499.670	109,998.679	0.000	5,012.205	Not Full	No	-0.621	5.518
<input type="checkbox"/>	OTF1_64	5,015.763	0.000	0.000	0.000	5,010.970	Not Full	No	-0.627	4.793
<input type="checkbox"/>	OTF1_65	5,016.743	0.000	0.000	0.000	5,011.178	Not Full	No	-0.381	5.565
<input type="checkbox"/>	OTF1_80	5,013.043	0.000	0.000	0.000	5,009.150	Not Full	No	-0.379	3.893
<input type="checkbox"/>	OTF1_82	5,013.773	0.000	0.000	0.000	5,009.653	Not Full	No	-0.624	4.120
<input type="checkbox"/>	OTF1_87	5,013.123	20,600.632	82,402.529	0.000	5,008.530	Not Full	No	-0.567	4.593
<input type="checkbox"/>	OTF1_88	5,027.903	16,699.674	66,798.695	0.000	5,019.137	Not Full	No	-0.553	8.766
<input type="checkbox"/>	OTF1_89	5,022.873	0.000	0.000	0.000	5,017.140	Not Full	Yes	2.360	5.733
<input type="checkbox"/>	OTF1_90	5,023.493	0.000	0.000	0.000	5,016.609	Not Full	No	-0.510	6.884
<input type="checkbox"/>	OTF1_92	5,022.393	0.000	0.000	0.000	5,015.904	Not Full	No	-0.516	6.489
<input type="checkbox"/>	OTF1_93	5,021.323	0.000	0.000	0.000	5,015.787	Not Full	No	-0.532	5.536
<input type="checkbox"/>	OTF1_94	5,017.163	0.000	0.000	0.000	5,012.827	Not Full	No	-0.563	4.336
<input type="checkbox"/>	OTF1_95	5,012.943	29,024.629	116,021.240	0.000	5,008.917	Not Full	Yes	-0.403	4.026
<input type="checkbox"/>	OTF1_96	5,013.243	0.000	0.000	0.000	5,007.334	Not Full	No	-0.779	5.909
<input type="checkbox"/>	OTF1_97	5,012.803	0.000	0.000	0.000	5,006.960	Not Full	No	-0.653	5.843
<input type="checkbox"/>	OTF1_98	5,011.373	0.000	0.000	0.000	5,005.717	Not Full	No	-0.676	5.656
<input type="checkbox"/>	RMF1_114	5,083.790	0.000	0.000	0.000	5,069.115	Not Full	No	-0.775	14.675
<input type="checkbox"/>	RMF1_118	5,074.620	0.000	0.000	0.000	5,060.012	Not Full	No	-0.658	14.608
<input type="checkbox"/>	SCC_01	5,118.460	0.000	0.000	0.000	5,101.560	Not Full	No	-0.667	16.900
<input type="checkbox"/>	SCC_02	5,113.610	0.000	0.000	0.000	5,096.360	Not Full	No	-0.833	17.250
<input type="checkbox"/>	SCC_03	5,106.940	0.000	0.000	0.000	5,091.850	Not Full	No	-0.833	15.090
<input type="checkbox"/>	SCC_04	5,111.500	0.000	0.000	0.000	5,090.060	Not Full	No	-0.833	21.440
<input type="checkbox"/>	SCC_05	5,108.930	0.000	0.000	0.000	5,088.460	Not Full	No	-0.833	20.470
<input type="checkbox"/>	SCC_06	5,106.410	0.000	0.000	0.000	5,087.230	Not Full	No	-0.833	19.180
<input type="checkbox"/>	SCC_07	5,102.770	0.000	0.000	0.000	5,084.320	Not Full	No	-1.000	18.450
<input type="checkbox"/>	SCC_08	5,097.960	0.000	0.000	0.000	5,081.030	Not Full	No	-1.000	16.930
<input type="checkbox"/>	SCC_09	5,094.160	0.000	0.000	0.000	5,076.580	Not Full	No	-1.000	17.580
<input type="checkbox"/>	SCC_10	5,093.370	0.000	0.000	0.000	5,075.480	Not Full	No	-1.000	17.890
<input type="checkbox"/>	SCC_11	5,089.070	0.000	0.000	0.000	5,073.420	Not Full	No	-1.000	15.650
<input type="checkbox"/>	SCC_11A	5,087.810	0.000	0.000	0.000	5,065.150	Not Full	No	-1.250	22.660
<input type="checkbox"/>	SCC_12	5,087.290	0.000	0.000	0.000	5,064.660	Not Full	No	-1.250	22.630
<input type="checkbox"/>	SCC_13	5,085.400	0.000	0.000	0.000	5,063.710	Not Full	No	-1.250	21.690
<input type="checkbox"/>	SCC_14	5,081.740	0.000	0.000	0.000	5,062.520	Not Full	No	-1.250	19.220
<input type="checkbox"/>	SCC_15	5,079.780	0.000	0.000	0.000	5,061.320	Not Full	No	-1.250	18.460

EXISTING MANHOLE TABLE

	ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
<input type="checkbox"/>	SCC_16	5,077.060	0.000	0.000	0.000	5,060.100	Not Full	No	-1.250	16.960
<input type="checkbox"/>	SCC_17	5,074.870	0.000	0.000	0.000	5,058.870	Not Full	No	-1.250	16.000
<input type="checkbox"/>	SCC_18	5,073.800	0.000	0.000	0.000	5,058.120	Not Full	No	-1.250	15.680
<input type="checkbox"/>	SCC_19	5,072.830	0.000	0.000	0.000	5,056.960	Not Full	No	-1.250	15.870
<input type="checkbox"/>	SCC_20	5,071.610	0.000	0.000	0.000	5,055.930	Not Full	No	-1.250	15.680
<input type="checkbox"/>	SCC_21	5,069.850	0.000	0.000	0.000	5,055.280	Not Full	No	-1.250	14.570
<input type="checkbox"/>	SUN_1	5,117.830	0.000	0.000	0.000	5,104.140	Not Full	No	-0.667	13.690
<input type="checkbox"/>	SUN_10	5,081.060	0.000	0.000	0.000	5,068.960	Not Full	No	-0.667	12.100
<input type="checkbox"/>	SUN_11	5,071.850	0.000	0.000	0.000	5,059.080	Not Full	No	-0.667	12.770
<input type="checkbox"/>	SUN_12	5,054.840	0.000	0.000	0.000	5,042.070	Not Full	No	-0.667	12.770
<input type="checkbox"/>	SUN_13	5,053.120	0.000	0.000	0.000	5,040.220	Not Full	No	-0.667	12.900
<input type="checkbox"/>	SUN_14	5,050.790	0.000	0.000	0.000	5,036.730	Not Full	No	-0.667	14.060
<input type="checkbox"/>	SUN_15	5,035.740	0.000	0.000	0.000	5,029.000	Not Full	No	-0.667	6.740
<input type="checkbox"/>	SUN_2	5,109.460	0.000	0.000	0.000	5,097.360	Not Full	No	-0.667	12.100
<input type="checkbox"/>	SUN_3	5,103.540	0.000	0.000	0.000	5,091.440	Not Full	No	-0.667	12.100
<input type="checkbox"/>	SUN_4	5,096.140	0.000	0.000	0.000	5,088.190	Not Full	No	-0.667	7.950
<input type="checkbox"/>	SUN_5	5,099.970	0.000	0.000	0.000	5,086.950	Not Full	No	-0.667	13.020
<input type="checkbox"/>	SUN_6	5,104.710	0.000	0.000	0.000	5,085.300	Not Full	No	-0.667	19.410
<input type="checkbox"/>	SUN_7	5,112.510	0.000	0.000	0.000	5,084.050	Not Full	No	-0.667	28.460
<input type="checkbox"/>	SUN_8	5,094.800	0.000	0.000	0.000	5,082.700	Not Full	No	-0.667	12.100
<input type="checkbox"/>	SUN_9	5,087.680	0.000	0.000	0.000	5,076.580	Not Full	No	-0.667	11.100
<input type="checkbox"/>	TOE_2576	5,140.690	0.000	0.000	0.000	5,129.003	Not Full	No	-1.337	11.687
<input type="checkbox"/>	TOE_2577	5,137.370	0.000	0.000	0.000	5,127.188	Not Full	No	-1.372	10.182
<input type="checkbox"/>	TOE_2578	5,132.730	0.000	0.000	0.000	5,123.058	Not Full	No	-1.372	9.672
<input type="checkbox"/>	TOE_2579	5,129.120	0.000	0.000	0.000	5,118.614	Not Full	No	-1.356	10.506
<input type="checkbox"/>	TOE_2580	5,123.350	0.000	0.000	0.000	5,112.860	Not Full	No	-1.330	10.490
<input type="checkbox"/>	TOE_2581	5,125.960	0.000	0.000	0.000	5,110.864	Not Full	Yes	-1.276	15.096
<input type="checkbox"/>	TOE_2582	5,126.690	0.000	0.000	0.000	5,109.082	Not Full	No	-1.278	17.608
<input type="checkbox"/>	TOE_2583	5,127.830	0.000	0.000	0.000	5,107.194	Not Full	No	-1.266	20.636
<input type="checkbox"/>	TOE_2584	5,127.830	0.000	0.000	0.000	5,105.510	Not Full	No	-1.270	22.320
<input type="checkbox"/>	TOE_2585	5,078.040	0.000	0.000	0.000	5,064.027	Not Full	No	-1.293	14.013
<input type="checkbox"/>	TOE_2586	5,048.720	0.000	0.000	0.000	5,036.904	Not Full	No	-1.216	11.816
<input type="checkbox"/>	TOE_2587	5,051.780	0.000	0.000	0.000	5,034.827	Not Full	No	-1.273	16.953
<input type="checkbox"/>	TOE_2588	5,042.550	0.000	0.000	0.000	5,024.447	Not Full	No	-1.283	18.103
<input type="checkbox"/>	TOE_2589	5,027.940	39,250.065	153,405.435	0.000	5,012.271	Not Full	No	-1.259	15.669
<input type="checkbox"/>	TOE_2590	5,029.380	0.000	0.000	0.000	5,009.330	Not Full	No	-1.310	20.050
<input type="checkbox"/>	TOE_2591	5,026.905	0.000	0.000	0.000	5,008.344	Not Full	Yes	-1.581	18.561
<input type="checkbox"/>	TOE_2592	5,109.510	0.000	0.000	0.000	5,097.470	Not Full	No	-0.667	12.040
<input type="checkbox"/>	TOE_2593	5,110.100	0.000	0.000	0.000	5,097.090	Not Full	No	-0.667	13.010
<input type="checkbox"/>	TOE_2594	5,034.380	0.000	0.000	0.000	5,016.319	Not Full	Yes	-0.811	18.061
<input type="checkbox"/>	TOE_2595	5,027.210	0.000	0.000	0.000	5,015.526	Not Full	No	-0.754	11.684

EXISTING MANHOLE TABLE

	ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
<input type="checkbox"/>	TOE_2596	5,030.630	0.000	0.000	0.000	5,014.777	Not Full	No	-2.133	15.853
<input type="checkbox"/>	TOE_2597	5,029.850	0.000	0.000	0.000	5,014.429	Not Full	No	-2.081	15.421
<input type="checkbox"/>	TOE_2598	5,030.780	0.000	0.000	0.000	5,013.857	Not Full	No	-0.983	16.923
<input type="checkbox"/>	TOE_2609	5,049.595	0.000	0.000	0.000	5,039.702	Not Full	Yes	-0.963	9.893
<input type="checkbox"/>	TOE_2610	5,049.965	0.000	0.000	0.000	5,040.652	Not Full	No	-1.163	9.313
<input type="checkbox"/>	TOE_2612	5,052.325	0.000	0.000	0.000	5,042.807	Not Full	No	-1.168	9.518
<input type="checkbox"/>	TOE_2615	5,011.000	49,249.421	189,963.081	0.000	4,994.659	Not Full	Yes	-1.466	16.341
<input type="checkbox"/>	TOE_2619	5,011.075	0.000	0.000	0.000	4,993.977	Not Full	No	-1.548	17.098
<input type="checkbox"/>	TOE_2620	5,141.225	0.000	0.000	0.000	5,129.354	Not Full	Yes	-0.771	11.871
<input type="checkbox"/>	TOE_2621	5,148.225	0.000	0.000	0.000	5,131.885	Not Full	No	-0.830	16.340
<input type="checkbox"/>	TOE_2622	5,148.225	0.000	0.000	0.000	5,133.791	Not Full	No	-0.784	14.434
<input type="checkbox"/>	TOE_2623	5,158.225	0.000	0.000	0.000	5,144.065	Not Full	No	-0.833	14.160
<input type="checkbox"/>	TOE_2624	5,168.225	0.000	0.000	0.000	5,154.505	Not Full	No	-0.833	13.720
<input type="checkbox"/>	TOE_2625	5,173.225	0.000	0.000	0.000	5,160.575	Not Full	No	-0.833	12.650
<input type="checkbox"/>	TOE_2626	5,185.225	0.000	0.000	0.000	5,168.505	Not Full	No	-0.667	16.720
<input type="checkbox"/>	TOE_2628	5,083.085	0.000	0.000	0.000	5,068.782	Not Full	Yes	-1.053	14.303
<input type="checkbox"/>	TOE_2629	5,085.095	0.000	0.000	0.000	5,070.446	Not Full	No	-0.829	14.649
<input type="checkbox"/>	TOE_2630	5,088.805	0.000	0.000	0.000	5,074.457	Not Full	Yes	-0.708	14.348
<input type="checkbox"/>	TOE_2631	5,095.275	44,999.983	174,427.134	0.000	5,076.059	Not Full	No	-0.826	19.216
<input type="checkbox"/>	TOE_2635	5,080.000	0.000	0.000	0.000	5,072.240	Not Full	No	-0.833	7.760
<input type="checkbox"/>	TOE_2636	5,085.000	0.000	0.000	0.000	5,071.110	Not Full	No	-0.833	13.890
<input type="checkbox"/>	TOE_2637	5,085.000	0.000	0.000	0.000	5,072.738	Not Full	No	-0.772	12.262
<input type="checkbox"/>	TOE_2638	5,085.000	0.000	0.000	0.000	5,071.604	Not Full	No	-0.736	13.396
<input type="checkbox"/>	TOE_2639	5,085.000	0.000	0.000	0.000	5,070.843	Not Full	No	-0.727	14.157
<input type="checkbox"/>	TOE_2640	5,091.070	0.000	0.000	0.000	5,077.210	Not Full	No	-0.750	13.860
<input type="checkbox"/>	TOE_2646	5,212.890	0.000	0.000	0.000	5,202.610	Not Full	No	-0.266	10.280
<input type="checkbox"/>	TOE_2647	5,214.610	0.000	0.000	0.000	5,204.195	Not Full	Yes	-0.382	10.415
<input type="checkbox"/>	TOE_2648	5,057.225	0.000	0.000	0.000	5,037.080	Not Full	No	-0.855	20.145
<input type="checkbox"/>	TOE_2649	5,058.225	0.000	0.000	0.000	5,037.757	Not Full	No	-0.858	20.468
<input type="checkbox"/>	TOE_2650	5,051.225	11,999.515	47,998.062	0.000	5,035.312	Not Full	No	-0.983	15.913
<input type="checkbox"/>	TOE_2651	5,033.085	0.000	0.000	0.000	5,017.564	Not Full	Yes	-0.861	15.521
<input type="checkbox"/>	TOE_2652	5,031.225	0.000	0.000	0.000	5,017.509	Not Full	No	-0.846	13.716
<input type="checkbox"/>	TOE_2653	5,048.625	0.000	0.000	0.000	5,015.939	Not Full	No	-0.846	32.686
<input type="checkbox"/>	TOE_2654	5,029.225	26,625.590	106,502.360	0.000	5,014.219	Not Full	No	-0.926	15.006
<input type="checkbox"/>	TOE_2655	5,028.225	0.000	0.000	0.000	5,010.121	Not Full	Yes	-1.109	18.104
<input type="checkbox"/>	TOE_2656	5,040.685	0.000	0.000	0.000	5,027.970	Not Full	No	-1.005	12.715
<input type="checkbox"/>	TOE_2657	5,072.520	0.000	0.000	0.000	5,058.720	Not Full	No	-0.667	13.800
<input type="checkbox"/>	TOE_2659	5,069.950	0.000	0.000	0.000	5,055.850	Not Full	No	-0.667	14.100
<input type="checkbox"/>	TOE_2660	5,063.730	0.000	0.000	0.000	5,051.030	Not Full	No	-0.667	12.700
<input type="checkbox"/>	TOE_2661	5,060.080	0.000	0.000	0.000	5,047.680	Not Full	No	-0.667	12.400
<input type="checkbox"/>	TOE_2662	5,055.000	0.000	0.000	0.000	5,041.274	Not Full	No	-0.961	13.726

EXISTING MANHOLE TABLE

	ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
<input type="checkbox"/>	TOE_2663	5,059.350	0.000	0.000	0.000	5,046.580	Not Full	No	-0.667	12.770
<input type="checkbox"/>	TOE_2664	5,051.225	0.000	0.000	0.000	5,038.714	Not Full	Yes	-0.861	12.511
<input type="checkbox"/>	TOE_2673	5,142.740	0.000	0.000	0.000	5,127.330	Not Full	No	-0.543	15.410
<input type="checkbox"/>	TOE_2710	5,188.970	121,000.274	411,089.749	0.000	5,171.649	Not Full	Yes	-0.374	17.321
<input type="checkbox"/>	TOE_2711	5,175.840	0.000	0.000	0.000	5,168.472	Not Full	No	-0.412	7.368
<input type="checkbox"/>	TOE_2712	5,183.520	0.000	0.000	0.000	5,170.859	Not Full	No	-0.364	12.661
<input type="checkbox"/>	TOE_2713	5,179.770	0.000	0.000	0.000	5,170.322	Not Full	No	-0.371	9.448
<input type="checkbox"/>	TOE_2714	5,179.540	0.000	0.000	0.000	5,169.882	Not Full	No	-0.371	9.658
<input type="checkbox"/>	TOE_2715	5,171.960	0.000	0.000	0.000	5,167.512	Not Full	No	-0.312	4.448
<input type="checkbox"/>	TOE_2716	5,173.770	0.000	0.000	0.000	5,166.922	Not Full	No	-0.361	6.848
<input type="checkbox"/>	TOE_2717	5,171.760	0.000	0.000	0.000	5,166.266	Not Full	No	-0.528	5.494
<input type="checkbox"/>	TOE_2718	5,169.220	0.000	0.000	0.000	5,159.705	Not Full	Yes	-0.378	9.515
<input type="checkbox"/>	TOE_2719	5,171.870	0.000	0.000	0.000	5,157.334	Not Full	No	-0.469	14.536
<input type="checkbox"/>	TOE_2720	5,162.710	0.000	0.000	0.000	5,153.466	Not Full	Yes	-0.377	9.244
<input type="checkbox"/>	TOE_2721	5,160.580	0.000	0.000	0.000	5,151.354	Not Full	No	-0.559	9.226
<input type="checkbox"/>	TOE_2722	5,153.520	0.000	0.000	0.000	5,144.435	Not Full	No	-0.558	9.085
<input type="checkbox"/>	TOE_2723	5,149.910	0.000	0.000	0.000	5,140.746	Not Full	No	-0.567	9.164
<input type="checkbox"/>	TOE_2724	5,137.860	0.000	0.000	0.000	5,129.177	Not Full	No	-0.436	8.683
<input type="checkbox"/>	TOE_2725	5,133.820	0.000	0.000	0.000	5,126.327	Not Full	No	-0.446	7.493
<input type="checkbox"/>	TOE_2726	5,130.690	0.000	0.000	0.000	5,123.015	Not Full	No	-0.558	7.675
<input type="checkbox"/>	TOE_2727	5,121.990	0.000	0.000	0.000	5,112.723	Not Full	No	-0.601	9.267
<input type="checkbox"/>	TOE_2728	5,115.430	0.000	0.000	0.000	5,104.549	Not Full	No	-0.595	10.881
<input type="checkbox"/>	TOE_2729	5,114.600	0.000	0.000	0.000	5,101.829	Not Full	No	-0.554	12.771
<input type="checkbox"/>	TOE_2730	5,107.960	0.000	0.000	0.000	5,095.258	Not Full	No	-0.475	12.702
<input type="checkbox"/>	TOE_2731	5,101.300	0.000	0.000	0.000	5,092.494	Not Full	No	-0.423	8.806
<input type="checkbox"/>	TOE_2732	5,104.000	0.000	0.000	0.000	5,094.351	Not Full	No	-0.335	9.649
<input type="checkbox"/>	TOE_2733	5,112.400	0.000	0.000	0.000	5,095.633	Not Full	Yes	-0.344	16.767
<input type="checkbox"/>	TOE_2734	5,010.600	0.000	0.000	0.000	4,998.241	Not Full	No	-1.784	12.359
<input type="checkbox"/>	TOE_2735	5,014.525	0.000	0.000	0.000	4,999.058	Not Full	No	-1.567	15.467
<input type="checkbox"/>	TOE_2736	5,017.825	0.000	0.000	0.000	4,999.982	Not Full	No	-1.543	17.843
<input type="checkbox"/>	TOE_2737	5,023.625	0.000	0.000	0.000	5,002.767	Not Full	No	-1.558	20.858
<input type="checkbox"/>	TOE_2738	5,023.325	0.000	0.000	0.000	5,003.650	Not Full	No	-1.475	19.675
<input type="checkbox"/>	TOE_2739	5,020.425	0.000	0.000	0.000	5,004.686	Not Full	No	-1.539	15.739
<input type="checkbox"/>	TOE_2740	5,022.425	0.000	0.000	0.000	5,005.710	Not Full	No	-1.515	16.715
<input type="checkbox"/>	TOE_2741	5,025.425	0.000	0.000	0.000	5,006.643	Not Full	No	-1.482	18.782
<input type="checkbox"/>	TOE_2742	5,025.825	0.000	0.000	0.000	5,006.973	Not Full	No	-1.552	18.852
<input type="checkbox"/>	TOE_2743	5,026.525	0.000	0.000	0.000	5,007.575	Not Full	No	-1.650	18.950
<input type="checkbox"/>	TOE_2744	5,029.425	0.000	0.000	0.000	5,010.088	Not Full	Yes	0.063	19.337
<input type="checkbox"/>	TOE_2745	5,028.225	0.000	0.000	0.000	5,010.120	Not Full	No	-0.555	18.105
<input type="checkbox"/>	TOE_2746	5,027.525	0.000	0.000	0.000	5,014.757	Not Full	No	-1.068	12.768
<input type="checkbox"/>	TOE_2747	5,053.435	50,250.221	193,622.005	0.000	5,038.651	Not Full	No	-1.074	14.784

EXISTING MANHOLE TABLE

	ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
<input type="checkbox"/>	TOE_2748	5,094.000	0.000	0.000	0.000	5,081.159	Not Full	No	-0.591	12.841
<input type="checkbox"/>	TOE_2749	5,090.550	0.000	0.000	0.000	5,077.927	Not Full	No	-0.573	12.623
<input type="checkbox"/>	TOE_2750	5,087.000	0.000	0.000	0.000	5,074.095	Not Full	No	-0.655	12.905
<input type="checkbox"/>	TOE_2751	5,081.000	0.000	0.000	0.000	5,068.674	Not Full	No	-0.906	12.326
<input type="checkbox"/>	TOE_2752	5,075.220	0.000	0.000	0.000	5,062.850	Not Full	No	-0.870	12.370
<input type="checkbox"/>	TOE_2753	5,069.870	0.000	0.000	0.000	5,058.758	Not Full	No	-0.882	11.112
<input type="checkbox"/>	TOE_2754	5,066.730	0.000	0.000	0.000	5,054.746	Not Full	No	-0.844	11.984
<input type="checkbox"/>	TOE_2755	5,064.690	0.000	0.000	0.000	5,053.604	Not Full	No	-0.866	11.086
<input type="checkbox"/>	TOE_2756	5,059.960	0.000	0.000	0.000	5,047.007	Not Full	No	-0.873	12.953
<input type="checkbox"/>	TOE_2757	5,058.890	0.000	0.000	0.000	5,046.223	Not Full	No	-0.907	12.667
<input type="checkbox"/>	TOE_2758	5,033.130	0.000	0.000	0.000	5,019.850	Not Full	No	-0.940	13.280
<input type="checkbox"/>	TOE_2759	5,062.630	0.000	0.000	0.000	5,050.493	Not Full	No	-0.877	12.137
<input type="checkbox"/>	TOE_2760	5,053.320	0.000	0.000	0.000	5,039.861	Not Full	No	-0.929	13.459
<input type="checkbox"/>	TOE_2761	5,030.160	0.000	0.000	0.000	5,019.033	Not Full	No	-1.037	11.127
<input type="checkbox"/>	TOE_2762	5,029.520	0.000	0.000	0.000	5,018.875	Not Full	No	-0.945	10.645
<input type="checkbox"/>	TOE_2763	5,031.630	0.000	0.000	0.000	5,016.862	Not Full	No	-0.968	14.768
<input type="checkbox"/>	TOE_2764	5,030.240	0.000	0.000	0.000	5,017.958	Not Full	No	-0.982	12.282
<input type="checkbox"/>	TOE_2765	5,031.520	0.000	0.000	0.000	5,015.944	Not Full	No	-0.906	15.576
<input type="checkbox"/>	TOE_2766	5,029.380	0.000	0.000	0.000	5,015.665	Not Full	No	-0.955	13.715
<input type="checkbox"/>	TOE_2767	5,028.000	0.000	0.000	0.000	5,015.190	Not Full	No	-1.080	12.810
<input type="checkbox"/>	TOE_2768	5,027.030	0.000	0.000	0.000	5,013.263	Not Full	No	-1.167	13.767
<input type="checkbox"/>	TOE_2769	5,021.960	0.000	0.000	0.000	5,009.085	Not Full	No	-0.975	12.875
<input type="checkbox"/>	TOE_2770	5,018.710	0.000	0.000	0.000	5,007.989	Not Full	No	-0.971	10.721
<input type="checkbox"/>	TOE_2771	5,019.010	0.000	0.000	0.000	5,007.003	Not Full	No	-1.087	12.007
<input type="checkbox"/>	TOE_2772	5,020.000	0.000	0.000	0.000	5,006.542	Not Full	Yes	-0.988	13.458
<input type="checkbox"/>	TOE_2773	5,019.000	0.000	0.000	0.000	5,005.894	Not Full	No	-0.756	13.106
<input type="checkbox"/>	TOE_2774	5,017.000	0.000	0.000	0.000	5,005.854	Not Full	No	0.204	11.146
<input type="checkbox"/>	TOE_2775	5,015.840	0.000	0.000	0.000	5,004.880	Not Full	No	-0.920	10.960
<input type="checkbox"/>	TOE_2776	5,014.980	0.000	0.000	0.000	5,004.190	Not Full	No	-0.850	10.790
<input type="checkbox"/>	TOE_2777	5,012.960	0.000	0.000	0.000	5,003.666	Not Full	No	-0.864	9.294
<input type="checkbox"/>	TOE_2778	5,012.130	0.000	0.000	0.000	5,003.188	Not Full	No	-0.852	8.942
<input type="checkbox"/>	TOE_2779	5,009.900	0.000	0.000	0.000	5,002.732	Not Full	No	-0.848	7.168
<input type="checkbox"/>	TOE_2780	5,011.970	0.000	0.000	0.000	5,002.301	Not Full	No	-0.809	9.669
<input type="checkbox"/>	TOE_2781	5,011.660	0.000	0.000	0.000	5,002.255	Not Full	No	-0.545	9.405
<input type="checkbox"/>	TOE_2782	5,011.310	0.000	0.000	0.000	5,001.798	Not Full	No	-1.142	9.512
<input type="checkbox"/>	TOE_2783	5,008.830	0.000	0.000	0.000	5,001.328	Not Full	No	-1.232	7.502
<input type="checkbox"/>	TOE_2784	5,006.790	0.000	0.000	0.000	5,000.407	Not Full	No	-1.143	6.383
<input type="checkbox"/>	TOE_2785	5,012.690	0.000	0.000	0.000	5,000.277	Not Full	No	-1.143	12.413
<input type="checkbox"/>	TOE_2786	5,008.290	0.000	0.000	0.000	5,000.881	Not Full	No	-0.759	7.409
<input type="checkbox"/>	TOE_2787	5,016.850	0.000	0.000	0.000	4,999.502	Not Full	No	-0.728	17.348
<input type="checkbox"/>	TOE_2788	5,014.290	0.000	0.000	0.000	4,999.911	Not Full	No	-1.229	14.379

EXISTING MANHOLE TABLE

	ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
<input type="checkbox"/>	TOE_2789	5,007.240	0.000	0.000	0.000	4,995.751	Not Full	No	-1.399	11.489
<input type="checkbox"/>	TOE_2790	5,012.380	9,999.356	39,997.425	0.000	4,995.941	Not Full	No	-1.139	16.439
<input type="checkbox"/>	TOE_2791	5,004.080	0.000	0.000	0.000	4,995.311	Not Full	No	-1.389	8.769
<input type="checkbox"/>	TOE_2792	5,003.840	0.000	0.000	0.000	4,995.094	Not Full	No	-1.456	8.746
<input type="checkbox"/>	TOE_2793	5,008.860	0.000	0.000	0.000	4,994.497	Not Full	No	-1.493	14.363
<input type="checkbox"/>	TOE_2794	5,009.670	0.000	0.000	0.000	4,993.891	Not Full	No	-1.429	15.779
<input type="checkbox"/>	TOE_2795	5,011.010	0.000	0.000	0.000	4,993.486	Not Full	No	-1.334	17.524
<input type="checkbox"/>	TOE_2798	5,011.503	34,915.667	137,558.874	0.000	5,000.933	Not Full	Yes	-0.500	10.570
<input type="checkbox"/>	TOE_2799	5,007.780	0.000	0.000	0.000	5,000.189	Not Full	No	-0.897	7.591
<input type="checkbox"/>	TOE_2800	5,010.450	0.000	0.000	0.000	4,992.433	Not Full	No	-2.467	18.017
<input type="checkbox"/>	TOE_2801	5,055.525	0.000	0.000	0.000	5,045.271	Not Full	No	-1.184	10.254
<input type="checkbox"/>	TOE_2802	5,061.985	0.000	0.000	0.000	5,047.209	Not Full	No	-1.056	14.776
<input type="checkbox"/>	TOE_2803	5,065.905	0.000	0.000	0.000	5,048.118	Not Full	No	-1.037	17.787
<input type="checkbox"/>	TOE_2804	5,067.345	0.000	0.000	0.000	5,049.113	Not Full	No	-1.032	18.232
<input type="checkbox"/>	TOE_2805	5,093.920	0.000	0.000	0.000	5,081.838	Not Full	No	-1.072	12.082
<input type="checkbox"/>	TOE_2806	5,098.000	0.000	0.000	0.000	5,085.154	Not Full	No	-1.086	12.846
<input type="checkbox"/>	TOE_2807	5,096.900	0.000	0.000	0.000	5,087.404	Not Full	No	-0.976	9.496
<input type="checkbox"/>	TOE_2808	5,105.750	0.000	0.000	0.000	5,094.798	Not Full	No	-1.082	10.952
<input type="checkbox"/>	TOE_2809	5,152.350	0.000	0.000	0.000	5,133.996	Not Full	No	-0.587	18.354
<input type="checkbox"/>	TOE_2817	5,046.820	0.000	0.000	0.000	5,031.697	Not Full	No	-0.953	15.123
<input type="checkbox"/>	TOE_2818	5,034.360	0.000	0.000	0.000	5,020.910	Not Full	Yes	-1.030	13.450
<input type="checkbox"/>	TOE_2819	5,101.240	0.000	0.000	0.000	5,090.279	Not Full	No	-1.021	10.961
<input type="checkbox"/>	TOE_2825	5,011.300	0.000	0.000	0.000	4,991.318	Not Full	No	-2.182	19.982
<input type="checkbox"/>	TOE_2826	5,010.820	0.000	0.000	0.000	4,990.533	Not Full	Yes	-1.917	20.287
<input type="checkbox"/>	TOE_2827	5,010.790	0.000	0.000	0.000	4,989.949	Not Full	No	-2.091	20.841
<input type="checkbox"/>	TOE_2828	5,009.220	0.000	0.000	0.000	4,988.973	Not Full	No	-1.897	20.247
<input type="checkbox"/>	TOE_2829	5,007.990	0.000	0.000	0.000	4,987.737	Not Full	Yes	-2.083	20.253
<input type="checkbox"/>	TOE_2830	5,007.630	0.000	0.000	0.000	4,987.499	Not Full	No	-1.931	20.131
<input type="checkbox"/>	TOE_2831	5,006.030	0.000	0.000	0.000	4,987.001	Not Full	No	-1.899	19.029
<input type="checkbox"/>	TOE_2832	5,004.210	0.000	0.000	0.000	4,986.678	Not Full	No	-2.032	17.532
<input type="checkbox"/>	TOE_2833	5,004.410	0.000	0.000	0.000	4,986.357	Not Full	No	-1.923	18.053
<input type="checkbox"/>	TOE_2834	5,004.240	0.000	0.000	0.000	4,985.430	Not Full	No	-2.010	18.810
<input type="checkbox"/>	TOE_2835	5,001.480	0.000	0.000	0.000	4,984.425	Not Full	No	-1.975	17.055
<input type="checkbox"/>	TOE_2836	5,000.540	0.000	0.000	0.000	4,983.522	Not Full	No	-1.938	17.018
<input type="checkbox"/>	TOE_2837	5,000.330	0.000	0.000	0.000	4,982.934	Not Full	No	-1.736	17.396
<input type="checkbox"/>	TOE_2838	5,005.660	0.000	0.000	0.000	4,981.881	Not Full	No	-1.899	23.779
<input type="checkbox"/>	TOE_2839	5,002.590	0.000	0.000	0.000	4,982.400	Not Full	No	-1.910	20.190
<input type="checkbox"/>	TOE_2840	5,006.110	0.000	0.000	0.000	4,981.269	Not Full	No	-1.991	24.841
<input type="checkbox"/>	TOE_2841	5,002.460	0.000	0.000	0.000	4,980.489	Not Full	No	-2.121	21.971
<input type="checkbox"/>	TOE_2842	5,002.920	0.000	0.000	0.000	4,979.537	Not Full	Yes	-2.073	23.383
<input type="checkbox"/>	TOE_2843	5,000.380	0.000	0.000	0.000	4,980.140	Not Full	No	-2.230	20.240

EXISTING MANHOLE TABLE

	ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
<input type="checkbox"/>	TOE_2844	4,994.190	0.000	0.000	0.000	4,978.034	Not Full	No	-2.286	16.156
<input type="checkbox"/>	TOE_2845	4,993.980	0.000	0.000	0.000	4,978.031	Not Full	Yes	-1.949	15.949
<input type="checkbox"/>	TOE_2846	4,991.150	0.000	0.000	0.000	4,977.509	Not Full	No	-1.991	13.641
<input type="checkbox"/>	TOE_2847	4,990.880	0.000	0.000	0.000	4,976.700	Not Full	No	-2.170	14.180
<input type="checkbox"/>	TOE_2848	4,990.370	0.000	0.000	0.000	4,976.173	Not Full	No	-2.187	14.197
<input type="checkbox"/>	TOE_2849	4,990.000	0.000	0.000	0.000	4,973.659	Not Full	No	-2.321	16.341
<input type="checkbox"/>	TOE_2850	4,988.020	0.000	0.000	0.000	4,969.505	Not Full	No	-2.305	18.515
<input type="checkbox"/>	TOE_2851	4,987.060	0.000	0.000	0.000	4,967.242	Not Full	No	-2.168	19.818
<input type="checkbox"/>	TOE_2852	4,985.500	0.000	0.000	0.000	4,966.831	Not Full	Yes	-1.909	18.669
<input type="checkbox"/>	TOE_2853	4,986.910	0.000	0.000	0.000	4,966.951	Not Full	No	-2.129	19.959
<input type="checkbox"/>	TOE_2854	4,987.460	0.000	0.000	0.000	4,970.109	Not Full	No	-0.641	17.351
<input type="checkbox"/>	TOE_2855	4,986.200	0.000	0.000	0.000	4,971.112	Not Full	No	-0.568	15.088
<input type="checkbox"/>	TOE_2856	4,988.050	0.000	0.000	0.000	4,971.871	Not Full	No	-0.609	16.179
<input type="checkbox"/>	TOE_2857	4,987.820	0.000	0.000	0.000	4,972.235	Not Full	Yes	-0.615	15.585
<input type="checkbox"/>	TOE_2858	4,988.840	0.000	0.000	0.000	4,975.907	Not Full	No	-0.723	12.933
<input type="checkbox"/>	TOE_2859	4,989.490	0.000	0.000	0.000	4,977.896	Not Full	Yes	-0.654	11.594
<input type="checkbox"/>	TOE_2860	4,985.430	0.000	0.000	0.000	4,966.045	Not Full	No	-1.875	19.385
<input type="checkbox"/>	TOE_2861	4,983.250	0.000	0.000	0.000	4,964.957	Not Full	No	-2.223	18.293
<input type="checkbox"/>	TOE_2862	4,982.380	0.000	0.000	0.000	4,964.929	Not Full	Yes	-1.781	17.451
<input type="checkbox"/>	TOE_2863	4,982.420	0.000	0.000	0.000	4,964.417	Not Full	No	-1.993	18.003
<input type="checkbox"/>	TOE_2864	4,980.720	0.000	0.000	0.000	4,963.638	Not Full	No	-2.072	17.082
<input type="checkbox"/>	TOE_2865	4,981.960	0.000	0.000	0.000	4,963.328	Not Full	No	-1.882	18.632
<input type="checkbox"/>	TOE_2866	4,982.300	0.000	0.000	0.000	4,962.787	Not Full	No	-1.883	19.513
<input type="checkbox"/>	TOE_2867	4,984.250	0.000	0.000	0.000	4,962.026	Not Full	No	-2.074	22.224
<input type="checkbox"/>	TOE_2868	4,980.960	0.000	0.000	0.000	4,960.858	Not Full	No	-1.932	20.102
<input type="checkbox"/>	TOE_2869	4,978.450	0.000	0.000	0.000	4,959.991	Not Full	No	-1.899	18.459
<input type="checkbox"/>	TOE_2870	4,976.690	0.000	0.000	0.000	4,959.188	Not Full	No	-1.912	17.502
<input type="checkbox"/>	TOE_2871	4,974.820	0.000	0.000	0.000	4,958.333	Not Full	No	-1.877	16.487
<input type="checkbox"/>	TOE_2872	4,973.300	0.000	0.000	0.000	4,957.529	Not Full	No	-1.951	15.771
<input type="checkbox"/>	TOE_2873	4,970.750	0.000	0.000	0.000	4,956.827	Not Full	No	-1.813	13.923
<input type="checkbox"/>	TOE_2874	4,969.570	0.000	0.000	0.000	4,956.507	Not Full	No	-1.943	13.063
<input type="checkbox"/>	TOE_2875	4,967.820	0.000	0.000	0.000	4,956.100	Not Full	No	-1.990	11.720
<input type="checkbox"/>	TOE_2876	4,970.850	0.000	0.000	0.000	4,955.738	Not Full	No	-1.952	15.112
<input type="checkbox"/>	TOE_2877	4,969.020	0.000	0.000	0.000	4,955.062	Not Full	No	-1.878	13.958
<input type="checkbox"/>	TOE_2878	4,975.470	0.000	0.000	0.000	4,954.402	Not Full	No	-1.908	21.068
<input type="checkbox"/>	TOE_2879	4,993.130	0.000	0.000	0.000	4,953.667	Not Full	No	-1.873	39.463
<input type="checkbox"/>	TOE_2880	4,992.470	0.000	0.000	0.000	4,953.341	Not Full	No	-2.059	39.129
<input type="checkbox"/>	TOE_2881	4,986.390	0.000	0.000	0.000	4,952.851	Not Full	No	-1.869	33.539
<input type="checkbox"/>	TOE_2882	4,983.690	0.000	0.000	0.000	4,952.418	Not Full	No	-1.902	31.272
<input type="checkbox"/>	TOE_2883	4,977.290	0.000	0.000	0.000	4,952.044	Not Full	No	-1.926	25.246
<input type="checkbox"/>	TOE_2884	4,973.860	0.000	0.000	0.000	4,951.145	Not Full	No	-1.915	22.715

EXISTING MANHOLE TABLE

	ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
<input type="checkbox"/>	TOE_2885	4,966.950	0.000	0.000	0.000	4,950.258	Not Full	No	-1.992	16.692
<input type="checkbox"/>	TOE_2886	4,962.980	0.000	0.000	0.000	4,949.407	Not Full	No	-1.973	13.573
<input type="checkbox"/>	TOE_2887	4,963.360	0.000	0.000	0.000	4,948.742	Not Full	No	-2.038	14.618
<input type="checkbox"/>	TOE_2888	4,965.190	0.000	0.000	0.000	4,947.772	Not Full	No	-1.788	17.418
<input type="checkbox"/>	TOE_2889	4,956.350	0.000	0.000	0.000	4,940.695	Not Full	No	-2.075	15.655
<input type="checkbox"/>	TOE_2890	4,957.260	0.000	0.000	0.000	4,940.309	Not Full	No	-2.051	16.951
<input type="checkbox"/>	TOE_2891	4,956.430	0.000	0.000	0.000	4,939.157	Not Full	No	-2.183	17.273
<input type="checkbox"/>	TOE_2892	4,952.720	0.000	0.000	0.000	4,938.937	Not Full	Yes	-1.873	13.783
<input type="checkbox"/>	TOE_2893	4,951.610	0.000	0.000	0.000	4,938.064	Not Full	No	-1.996	13.546
<input type="checkbox"/>	TOE_2894	4,950.110	0.000	0.000	0.000	4,937.112	Not Full	No	-1.948	12.998
<input type="checkbox"/>	TOE_2895	4,948.680	0.000	0.000	0.000	4,936.110	Not Full	No	-1.960	12.570
<input type="checkbox"/>	TOE_2896	4,945.630	0.000	0.000	0.000	4,935.305	Not Full	No	-1.875	10.325
<input type="checkbox"/>	TOE_2897	4,944.050	0.000	0.000	0.000	4,934.291	Not Full	No	-2.179	9.759
<input type="checkbox"/>	TOE_2898	4,942.250	0.000	0.000	0.000	4,932.401	Not Full	Yes	-1.909	9.849
<input type="checkbox"/>	TOE_2899	4,941.010	0.000	0.000	0.000	4,931.606	Not Full	No	-1.994	9.404
<input type="checkbox"/>	TOE_2900	4,939.280	0.000	0.000	0.000	4,930.668	Not Full	No	-2.072	8.612
<input type="checkbox"/>	TOE_2901	4,939.080	0.000	0.000	0.000	4,930.532	Not Full	No	-1.998	8.548
<input type="checkbox"/>	TOE_2902	4,941.290	0.000	0.000	0.000	4,929.749	Not Full	No	-1.961	11.541
<input type="checkbox"/>	TOE_2903	4,936.850	0.000	0.000	0.000	4,928.773	Not Full	No	-1.917	8.077
<input type="checkbox"/>	TOE_2904	4,934.060	0.000	0.000	0.000	4,927.962	Not Full	No	-1.908	6.098
<input type="checkbox"/>	TOE_2905	5,019.625	0.000	0.000	0.000	5,001.643	Not Full	No	-1.382	17.982
<input type="checkbox"/>	TOE_2906	5,019.725	0.000	0.000	0.000	5,000.893	Not Full	No	-1.532	18.832
<input type="checkbox"/>	TOE_2914	5,023.740	0.000	0.000	0.000	5,009.708	Not Full	Yes	-0.972	14.032
<input type="checkbox"/>	TOE_2915	5,115.200	0.000	0.000	0.000	5,100.407	Not Full	No	-0.460	14.793
<input type="checkbox"/>	TOE_2916	5,116.100	0.000	0.000	0.000	5,103.370	Not Full	No	-0.497	12.730
<input type="checkbox"/>	TOE_2917	5,127.100	53,949.580	207,146.860	0.000	5,116.964	Not Full	No	-0.502	10.136
<input type="checkbox"/>	TOE_2920	4,988.020	0.000	0.000	0.000	4,970.181	Not Full	No	-2.309	17.839
<input type="checkbox"/>	TOE_2921	5,009.220	0.000	0.000	0.000	4,988.413	Not Full	No	-2.117	20.807
<input type="checkbox"/>	TOE_2941	5,101.560	0.000	0.000	0.000	5,083.466	Not Full	No	-0.834	18.094
<input type="checkbox"/>	TOE_2942	5,095.220	0.000	0.000	0.000	5,079.665	Not Full	No	-0.865	15.555
<input type="checkbox"/>	TOE_2943	5,086.380	0.000	0.000	0.000	5,070.317	Not Full	No	-0.863	16.063
<input type="checkbox"/>	TOE_2944	5,080.970	0.000	0.000	0.000	5,057.485	Not Full	Yes	-1.035	23.485
<input type="checkbox"/>	TOE_2945	5,071.410	0.000	0.000	0.000	5,056.919	Not Full	No	-1.001	14.491
<input type="checkbox"/>	TOE_2946	5,070.940	0.000	0.000	0.000	5,056.263	Not Full	No	-1.017	14.677
<input type="checkbox"/>	TOE_2947	5,070.110	0.000	0.000	0.000	5,055.700	Not Full	No	-1.010	14.410
<input type="checkbox"/>	TOE_2948	5,070.560	0.000	0.000	0.000	5,055.210	Not Full	No	-1.250	15.350
<input type="checkbox"/>	TOE_2949	5,067.830	0.000	0.000	0.000	5,054.705	Not Full	No	-1.265	13.125
<input type="checkbox"/>	TOE_2950	4,930.000	0.000	0.000	0.000	4,927.241	Not Full	No	-1.889	2.759
<input type="checkbox"/>	TOE_2951	4,934.060	0.000	0.000	0.000	4,927.880	Not Full	No	-1.870	6.180
<input type="checkbox"/>	TOE_2960	5,099.000	0.000	0.000	0.000	5,087.326	Not Full	No	-0.634	11.674
<input type="checkbox"/>	TOE_2962	5,098.360	0.000	0.000	0.000	5,087.888	Not Full	Yes	-0.452	10.472

EXISTING MANHOLE TABLE

	ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
<input type="checkbox"/>	TOE_2964	5,098.200	0.000	0.000	0.000	5,087.353	Not Full	No	-0.847	10.847
<input type="checkbox"/>	TOE_2965	5,099.700	0.000	0.000	0.000	5,088.728	Not Full	Yes	-0.772	10.972
<input type="checkbox"/>	TOE_2966	5,104.500	0.000	0.000	0.000	5,095.946	Not Full	No	-0.854	8.554
<input type="checkbox"/>	TOE_2967	5,109.100	0.000	0.000	0.000	5,098.024	Not Full	Yes	-0.776	11.076
<input type="checkbox"/>	TOE_2968	5,110.300	0.000	0.000	0.000	5,099.961	Not Full	No	-0.839	10.339
<input type="checkbox"/>	TOE_2969	5,111.800	0.000	0.000	0.000	5,099.004	Not Full	No	-0.796	12.796
<input type="checkbox"/>	TOE_2970	5,116.500	0.000	0.000	0.000	5,103.638	Not Full	No	-0.762	12.862
<input type="checkbox"/>	TOE_2971	5,115.900	0.000	0.000	0.000	5,102.425	Not Full	No	-0.775	13.475
<input type="checkbox"/>	TOE_2972	5,117.400	0.000	0.000	0.000	5,101.112	Not Full	No	-0.788	16.288
<input type="checkbox"/>	TOE_2973	5,120.000	0.000	0.000	0.000	5,105.741	Not Full	No	-0.759	14.259
<input type="checkbox"/>	TOE_2977	5,105.640	13,249.435	52,997.740	0.000	5,099.332	Not Full	No	-0.484	6.308
<input type="checkbox"/>	TOE_2978	5,133.570	29,250.709	116,847.788	0.000	5,112.430	Not Full	No	-1.290	21.140
<input type="checkbox"/>	TOE_2979	5,125.960	0.000	0.000	0.000	5,110.483	Not Full	No	-1.277	15.477
<input type="checkbox"/>	TOE_2980	5,135.280	0.000	0.000	0.000	5,108.967	Not Full	Yes	-1.273	26.313
<input type="checkbox"/>	TOE_2981	5,129.120	0.000	0.000	0.000	5,117.788	Not Full	No	-1.356	11.332
<input type="checkbox"/>	TOE_2982	5,156.250	0.000	0.000	0.000	5,134.500	Not Full	No	-1.500	21.750
<input type="checkbox"/>	TOE_2983	5,156.910	33,949.427	134,026.302	0.000	5,133.568	Not Full	No	-1.392	23.342
<input type="checkbox"/>	TOE_2984	5,083.315	0.000	0.000	0.000	5,073.502	Not Full	No	-0.883	9.813
<input type="checkbox"/>	TOE_2985	5,135.145	0.000	0.000	0.000	5,119.059	Not Full	No	-0.706	16.086
<input type="checkbox"/>	TOE_2986	5,135.995	37,500.466	147,008.900	0.000	5,119.329	Not Full	No	-0.726	16.666
<input type="checkbox"/>	TOE_2987	5,143.225	0.000	0.000	0.000	5,124.295	Not Full	Yes	-0.720	18.930
<input type="checkbox"/>	TOE_2988	5,151.225	0.000	0.000	0.000	5,126.257	Not Full	No	-0.728	24.968
<input type="checkbox"/>	TOE_2989	5,151.225	27,999.349	111,997.398	0.000	5,128.316	Not Full	No	-0.729	22.909
<input type="checkbox"/>	TOE_2990	5,127.040	0.000	0.000	0.000	5,116.776	Not Full	No	-0.431	10.264
<input type="checkbox"/>	TOE_2991	5,143.225	0.000	0.000	0.000	5,122.344	Not Full	No	-0.741	20.881
<input type="checkbox"/>	TOE_2992	5,107.670	0.000	0.000	0.000	5,092.118	Not Full	No	-0.485	15.552
<input type="checkbox"/>	TOE_2994	5,011.000	0.000	0.000	0.000	4,993.030	Not Full	No	-2.040	17.970
<input type="checkbox"/>	TOE_2997	5,102.000	0.000	0.000	0.000	5,087.069	Not Full	No	-0.464	14.931
<input type="checkbox"/>	TOE_3003	5,171.230	0.000	0.000	0.000	5,155.175	Not Full	No	-0.833	16.055
<input type="checkbox"/>	TOE_3005	5,011.000	0.000	0.000	0.000	4,992.819	Not Full	No	-2.451	18.181
<input type="checkbox"/>	VPF1_1	5,067.160	0.000	0.000	0.000	5,054.079	Not Full	No	-1.281	13.081
<input type="checkbox"/>	VPF1_103	5,067.570	0.000	0.000	0.000	5,052.476	Not Full	No	-1.174	15.094
<input type="checkbox"/>	VPF1_11	5,075.480	0.000	0.000	0.000	5,064.484	Not Full	No	-1.266	10.996
<input type="checkbox"/>	VPF1_12	5,071.900	0.000	0.000	0.000	5,060.950	Not Full	No	-1.200	10.950
<input type="checkbox"/>	VPF1_126	5,074.140	0.000	0.000	0.000	5,055.890	Not Full	No	-0.667	18.250
<input type="checkbox"/>	VPF1_127	5,066.000	0.000	0.000	0.000	5,051.180	Not Full	No	-0.667	14.820
<input type="checkbox"/>	VPF1_128	5,059.140	0.000	0.000	0.000	5,046.440	Not Full	No	-0.667	12.700
<input type="checkbox"/>	VPF1_129	5,058.660	20,999.512	83,998.048	0.000	5,045.548	Not Full	No	-0.528	13.112
<input type="checkbox"/>	VPF1_13	5,078.400	0.000	0.000	0.000	5,059.060	Not Full	No	-1.290	19.340
<input type="checkbox"/>	VPF1_130	5,056.230	0.000	0.000	0.000	5,043.799	Not Full	No	-0.567	12.431
<input type="checkbox"/>	VPF1_14	5,069.300	0.000	0.000	0.000	5,055.151	Not Full	Yes	-0.899	14.149

EXISTING MANHOLE TABLE

	ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
<input type="checkbox"/>	VPF1_15	5,069.300	0.000	0.000	0.000	5,054.704	Not Full	No	-0.946	14.596
<input type="checkbox"/>	VPF1_15A	5,064.530	40,750.545	158,891.188	0.000	5,050.918	Not Full	No	-1.132	13.612
<input type="checkbox"/>	VPF1_16	5,062.560	0.000	0.000	0.000	5,049.289	Not Full	No	-1.611	13.271
<input type="checkbox"/>	VPF1_17	5,058.600	0.000	0.000	0.000	5,037.899	Not Full	Yes	-1.251	20.701
<input type="checkbox"/>	VPF1_18A	5,058.100	0.000	0.000	0.000	5,036.846	Not Full	No	-1.304	21.254
<input type="checkbox"/>	VPF1_19A	5,056.800	0.000	0.000	0.000	5,035.879	Not Full	No	-1.301	20.921
<input type="checkbox"/>	VPF1_20A	5,054.500	0.000	0.000	0.000	5,034.753	Not Full	No	-1.287	19.747
<input type="checkbox"/>	VPF1_21A	5,054.700	0.000	0.000	0.000	5,033.703	Not Full	No	-1.427	20.997
<input type="checkbox"/>	VPF1_32A	5,080.000	15,999.834	63,999.336	0.000	5,066.618	Not Full	No	-1.332	13.382
<input type="checkbox"/>	VPF1_58	5,067.590	18,499.673	73,998.692	0.000	5,053.934	Not Full	No	-1.016	13.656
<input type="checkbox"/>	VPF1_7	5,085.770	0.000	0.000	0.000	5,075.223	Not Full	No	-1.027	10.547
<input type="checkbox"/>	VPF1_718	5,092.100	0.000	0.000	0.000	5,079.083	Not Full	No	-1.017	13.017
<input type="checkbox"/>	VPF1_8	5,082.650	0.000	0.000	0.000	5,071.867	Not Full	No	-0.893	10.783
<input type="checkbox"/>	VPFE_10A	5,083.640	0.000	0.000	0.000	5,069.733	Not Full	No	-0.967	13.907
<input type="checkbox"/>	VPFE_717	5,098.830	0.000	0.000	0.000	5,085.411	Not Full	No	-0.552	13.419
<input type="checkbox"/>	VRF1D_702	5,136.180	0.000	0.000	0.000	5,123.214	Not Full	No	-0.600	12.966
<input type="checkbox"/>	VRF1D_703	5,125.680	0.000	0.000	0.000	5,113.593	Not Full	No	-0.570	12.087
<input type="checkbox"/>	VRF1D_704	5,119.340	0.000	0.000	0.000	5,107.255	Not Full	No	-0.568	12.085
<input type="checkbox"/>	VRF1D_705	5,116.570	0.000	0.000	0.000	5,104.432	Not Full	No	-0.571	12.138
<input type="checkbox"/>	VRF1D_707	5,113.290	0.000	0.000	0.000	5,101.316	Not Full	No	-0.557	11.974
<input type="checkbox"/>	VRF1D_708	5,111.140	0.000	0.000	0.000	5,099.274	Not Full	No	-0.499	11.866
<input type="checkbox"/>	VRF1D_709	5,108.490	0.000	0.000	0.000	5,098.089	Not Full	Yes	-0.434	10.401
<input type="checkbox"/>	VRF1D_710	5,110.890	0.000	0.000	0.000	5,097.488	Not Full	No	-0.435	13.402
<input type="checkbox"/>	VRF1D_711	5,115.620	0.000	0.000	0.000	5,096.609	Not Full	No	-0.445	19.011
<input type="checkbox"/>	VRF1D_712	5,119.540	0.000	0.000	0.000	5,095.796	Not Full	No	-0.427	23.744
<input type="checkbox"/>	VRF1D_713	5,116.910	0.000	0.000	0.000	5,095.045	Not Full	No	-0.428	21.865
<input type="checkbox"/>	VRF1D_714	5,112.260	0.000	0.000	0.000	5,094.114	Not Full	No	-0.479	18.146
<input type="checkbox"/>	VRF1D_715	5,110.280	0.000	0.000	0.000	5,092.853	Not Full	No	-0.561	17.427
<input type="checkbox"/>	VRF1D_716	5,102.500	39,500.625	154,321.482	0.000	5,088.955	Not Full	No	-0.479	13.545
<input type="checkbox"/>	VRF1G_186	5,145.220	0.000	0.000	0.000	5,136.098	Not Full	No	-0.555	9.122
<input type="checkbox"/>	VRF1G_188	5,141.220	0.000	0.000	0.000	5,128.680	Not Full	No	-0.474	12.540
<input type="checkbox"/>	VRF1G_204	5,146.770	0.000	0.000	0.000	5,127.034	Not Full	Yes	-0.626	19.736
<input type="checkbox"/>	VRF1G_205	5,137.330	0.000	0.000	0.000	5,125.809	Not Full	No	-0.621	11.521
<input type="checkbox"/>	VRGC1_698	5,157.760	152,524.743	499,387.665	0.000	5,137.670	Not Full	No	-0.524	20.090
<input type="checkbox"/>	VRGC1_699	5,153.370	0.000	0.000	0.000	5,134.947	Not Full	No	-0.557	18.423
<input type="checkbox"/>	VRGC2_206	5,137.400	0.000	0.000	0.000	5,124.559	Not Full	No	-0.741	12.841
<input type="checkbox"/>	VRGC2_526	5,142.130	0.000	0.000	0.000	5,131.828	Not Full	No	-0.702	10.302
<input type="checkbox"/>	VRGC2_527	5,138.210	72,750.213	267,564.495	0.000	5,127.213	Not Full	No	-0.697	10.997
<input type="checkbox"/>	VRGC2_543	5,134.310	0.000	0.000	0.000	5,119.087	Not Full	Yes	-0.513	15.223
<input type="checkbox"/>	VRGC2_544	5,125.790	0.000	0.000	0.000	5,117.235	Not Full	No	-0.555	8.555
<input type="checkbox"/>	VRGC2_545	5,121.520	0.000	0.000	0.000	5,111.950	Not Full	Yes	-0.720	9.570

EXISTING MANHOLE TABLE

	ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
<input type="checkbox"/>	VRGC2_580	5,120.220	0.000	0.000	0.000	5,110.419	Not Full	No	-0.751	9.801
<input type="checkbox"/>	VRGC2_581	5,123.750	0.000	0.000	0.000	5,108.912	Not Full	No	-0.788	14.838
<input type="checkbox"/>	VRGC2_582	5,116.400	69,000.454	255,913.995	0.000	5,107.186	Not Full	No	-0.794	9.214
<input type="checkbox"/>	VRGC2_583	5,116.440	0.000	0.000	0.000	5,104.432	Not Full	No	-1.168	12.008
<input type="checkbox"/>	VRGC4_365	5,191.820	151,250.343	495,900.908	0.000	5,179.367	Not Full	No	-0.426	12.453
<input type="checkbox"/>	VRGC4_366	5,189.850	0.000	0.000	0.000	5,178.006	Not Full	No	-0.477	11.844
<input type="checkbox"/>	VRGC4_389	5,191.830	0.000	0.000	0.000	5,176.793	Not Full	No	-0.470	15.037
<input type="checkbox"/>	VRGC4_415	5,189.660	0.000	0.000	0.000	5,175.379	Not Full	Yes	-0.415	14.281
<input type="checkbox"/>	VRGC4_416	5,192.130	0.000	0.000	0.000	5,173.503	Not Full	No	-0.461	18.627
<input type="checkbox"/>	VRGC4_417	5,183.930	0.000	0.000	0.000	5,170.985	Not Full	No	-0.629	12.945
<input type="checkbox"/>	VRGC4_418	5,153.010	21,424.312	85,697.248	0.000	5,147.076	Not Full	No	-0.467	5.934
<input type="checkbox"/>	VRGC4_419	5,150.600	0.000	0.000	0.000	5,143.500	Not Full	No	-0.533	7.100
<input type="checkbox"/>	VRGC4_420	5,150.350	0.000	0.000	0.000	5,140.048	Not Full	No	-0.536	10.302
<input type="checkbox"/>	VRGC6_183	5,175.770	155,600.581	507,803.160	0.000	5,146.520	Not Full	No	-0.453	29.250
<input type="checkbox"/>	VRGC6_184	5,155.730	0.000	0.000	0.000	5,145.130	Not Full	No	-0.534	10.600
<input type="checkbox"/>	VRGC6_185	5,152.370	0.000	0.000	0.000	5,140.333	Not Full	No	-0.571	12.037
<input type="checkbox"/>	WCR10	5,106.000	0.000	0.000	0.000	5,094.000	Not Full	No	-0.667	12.000
<input type="checkbox"/>	WCR3_100	5,023.010	0.000	0.000	0.000	5,015.280	Not Full	No	-1.250	7.730
<input type="checkbox"/>	WCR3_100A	5,026.060	0.000	0.000	0.000	5,017.020	Not Full	No	-1.250	9.040
<input type="checkbox"/>	WCR3_100B	5,027.500	0.000	0.000	0.000	5,018.810	Not Full	No	-1.250	8.690
<input type="checkbox"/>	WCR3_101	5,028.990	0.000	0.000	0.000	5,020.600	Not Full	No	-1.250	8.390
<input type="checkbox"/>	WCR3_102	5,029.520	0.000	0.000	0.000	5,021.750	Not Full	No	-1.250	7.770
<input type="checkbox"/>	WCR3_103	5,030.990	0.000	0.000	0.000	5,024.200	Not Full	No	-1.250	6.790
<input type="checkbox"/>	WCR3_11A	5,068.180	0.000	0.000	0.000	5,055.400	Not Full	No	-1.250	12.780
<input type="checkbox"/>	WCR3_184	5,094.790	0.000	0.000	0.000	5,082.500	Not Full	No	-0.833	12.290
<input type="checkbox"/>	WCR3_80	4,964.020	0.000	0.000	0.000	4,951.000	Not Full	No	-1.250	13.020
<input type="checkbox"/>	WCR3_81	4,964.350	0.000	0.000	0.000	4,953.080	Not Full	No	-1.250	11.270
<input type="checkbox"/>	WCR3_82	4,964.780	0.000	0.000	0.000	4,953.720	Not Full	No	-1.250	11.060
<input type="checkbox"/>	WCR3_83	4,967.250	0.000	0.000	0.000	4,956.630	Not Full	No	-1.250	10.620
<input type="checkbox"/>	WCR3_84	4,968.740	0.000	0.000	0.000	4,958.290	Not Full	No	-1.250	10.450
<input type="checkbox"/>	WCR3_85	4,974.200	0.000	0.000	0.000	4,962.290	Not Full	No	-1.250	11.910
<input type="checkbox"/>	WCR3_86	4,976.960	0.000	0.000	0.000	4,965.040	Not Full	No	-1.250	11.920
<input type="checkbox"/>	WCR3_86A	4,989.610	0.000	0.000	0.000	4,973.150	Not Full	No	-1.250	16.460
<input type="checkbox"/>	WCR3_86B	4,983.490	0.000	0.000	0.000	4,970.090	Not Full	No	-1.250	13.400
<input type="checkbox"/>	WCR3_86C	4,983.460	0.000	0.000	0.000	4,967.160	Not Full	No	-1.250	16.300
<input type="checkbox"/>	WCR3_87	4,990.560	0.000	0.000	0.000	4,975.670	Not Full	No	-1.250	14.890
<input type="checkbox"/>	WCR3_88	4,994.080	0.000	0.000	0.000	4,977.810	Not Full	No	-1.250	16.270
<input type="checkbox"/>	WCR3_89	4,988.470	0.000	0.000	0.000	4,980.600	Not Full	No	-1.250	7.870
<input type="checkbox"/>	WCR3_90	5,000.230	0.000	0.000	0.000	4,984.730	Not Full	No	-1.250	15.500
<input type="checkbox"/>	WCR3_91	4,999.540	0.000	0.000	0.000	4,986.460	Not Full	No	-1.250	13.080
<input type="checkbox"/>	WCR3_92	4,999.290	0.000	0.000	0.000	4,988.340	Not Full	No	-1.250	10.950

EXISTING MANHOLE TABLE

	ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
<input type="checkbox"/>	WCR3_93	4,998.750	0.000	0.000	0.000	4,989.850	Not Full	No	-1.250	8.900
<input type="checkbox"/>	WCR3_94	5,007.400	0.000	0.000	0.000	4,995.040	Not Full	No	-1.250	12.360
<input type="checkbox"/>	WCR3_94A	5,010.850	0.000	0.000	0.000	4,997.090	Not Full	No	-1.250	13.760
<input type="checkbox"/>	WCR3_95	5,012.370	0.000	0.000	0.000	4,998.240	Not Full	No	-1.250	14.130
<input type="checkbox"/>	WCR3_96	5,013.040	0.000	0.000	0.000	5,001.030	Not Full	No	-1.250	12.010
<input type="checkbox"/>	WCR3_97	5,013.510	0.000	0.000	0.000	5,003.640	Not Full	No	-1.250	9.870
<input type="checkbox"/>	WCR3_98	5,018.000	0.000	0.000	0.000	5,007.900	Not Full	No	-1.250	10.100
<input type="checkbox"/>	WCR3_99	5,021.010	0.000	0.000	0.000	5,009.670	Not Full	No	-1.250	11.340
<input type="checkbox"/>	WCR3_H125	5,085.240	0.000	0.000	0.000	5,072.800	Not Full	No	-0.667	12.440
<input type="checkbox"/>	WCR3_H126	5,080.230	0.000	0.000	0.000	5,071.780	Not Full	No	-0.667	8.450
<input type="checkbox"/>	WCR3_H127	5,081.120	0.000	0.000	0.000	5,071.100	Not Full	No	-0.667	10.020
<input type="checkbox"/>	WCR3_H128	5,077.710	0.000	0.000	0.000	5,068.900	Not Full	No	-0.667	8.810
<input type="checkbox"/>	WCR3_H129	5,079.410	0.000	0.000	0.000	5,067.000	Not Full	No	-0.667	12.410
<input type="checkbox"/>	WCR3_H130	5,078.600	0.000	0.000	0.000	5,065.300	Not Full	No	-0.667	13.300
<input type="checkbox"/>	WCR3_H131	5,076.050	0.000	0.000	0.000	5,061.800	Not Full	No	-0.833	14.250
<input type="checkbox"/>	WCR3_H132	5,077.020	0.000	0.000	0.000	5,061.000	Not Full	No	-0.833	16.020
<input type="checkbox"/>	WCR3_H133	5,074.230	0.000	0.000	0.000	5,060.000	Not Full	No	-0.833	14.230
<input type="checkbox"/>	WCR3_H134	5,072.210	0.000	0.000	0.000	5,056.850	Not Full	No	-1.250	15.360
<input type="checkbox"/>	WCR3_H135	5,080.510	0.000	0.000	0.000	5,062.130	Not Full	No	-1.000	18.380
<input type="checkbox"/>	WCR3_H136	5,079.790	0.000	0.000	0.000	5,064.100	Not Full	No	-1.000	15.690
<input type="checkbox"/>	WCR3_H137	5,080.010	0.000	0.000	0.000	5,066.100	Not Full	No	-1.000	13.910
<input type="checkbox"/>	WCR3_H138	5,078.740	0.000	0.000	0.000	5,068.300	Not Full	No	-1.000	10.440
<input type="checkbox"/>	WCR3_H139	5,081.290	0.000	0.000	0.000	5,070.000	Not Full	No	-1.000	11.290
<input type="checkbox"/>	WCR3_H140	5,085.040	0.000	0.000	0.000	5,072.680	Not Full	No	-1.000	12.360
<input type="checkbox"/>	WCR3_H141	5,085.410	0.000	0.000	0.000	5,073.100	Not Full	No	-1.000	12.310
<input type="checkbox"/>	WCR3_H146	5,089.800	0.000	0.000	0.000	5,077.500	Not Full	No	-0.833	12.300
<input type="checkbox"/>	WCR3_H164	5,096.500	0.000	0.000	0.000	5,079.100	Not Full	No	-0.833	17.400
<input type="checkbox"/>	WCR3_H165	5,095.420	0.000	0.000	0.000	5,079.800	Not Full	No	-0.833	15.620
<input type="checkbox"/>	WCR3_H171	5,093.250	0.000	0.000	0.000	5,081.000	Not Full	No	-0.833	12.250
<input type="checkbox"/>	WCR3_H185	5,097.730	0.000	0.000	0.000	5,085.500	Not Full	No	-0.833	12.230
<input type="checkbox"/>	WCR3_H186	5,104.280	0.000	0.000	0.000	5,092.000	Not Full	No	-0.833	12.280
<input type="checkbox"/>	WCR3_H187	5,105.550	0.000	0.000	0.000	5,093.300	Not Full	No	-0.833	12.250
<input type="checkbox"/>	WCR3_H188	5,106.480	0.000	0.000	0.000	5,095.000	Not Full	No	-0.667	11.480
<input type="checkbox"/>	WCR3_H189	5,108.120	0.000	0.000	0.000	5,097.800	Not Full	No	-0.667	10.320
<input type="checkbox"/>	WCR3_H190	5,111.400	0.000	0.000	0.000	5,099.400	Not Full	No	-0.667	12.000
<input type="checkbox"/>	WCR3_H191	5,113.380	0.000	0.000	0.000	5,101.380	Not Full	No	-0.667	12.000
<input type="checkbox"/>	WCR3_H192	5,116.340	0.000	0.000	0.000	5,104.340	Not Full	No	-0.667	12.000
<input type="checkbox"/>	WCR3_H192A	5,120.060	0.000	0.000	0.000	5,108.060	Not Full	No	-0.667	12.000
<input type="checkbox"/>	WCR3_H193	5,123.260	0.000	0.000	0.000	5,111.260	Not Full	No	-0.667	12.000
<input type="checkbox"/>	WCR3_H194	5,127.280	0.000	0.000	0.000	5,115.290	Not Full	No	-0.667	11.990
<input type="checkbox"/>	WCR3_I1	5,069.640	0.000	0.000	0.000	5,056.110	Not Full	No	-1.250	13.530

EXISTING MANHOLE TABLE

	ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
<input type="checkbox"/>	WCR3_I10	5,049.360	0.000	0.000	0.000	5,036.820	Not Full	No	-1.250	12.540
<input type="checkbox"/>	WCR3_I11	5,046.150	0.000	0.000	0.000	5,035.020	Not Full	No	-1.250	11.130
<input type="checkbox"/>	WCR3_I12	5,050.460	0.000	0.000	0.000	5,032.440	Not Full	No	-1.250	18.020
<input type="checkbox"/>	WCR3_I13	5,046.090	0.000	0.000	0.000	5,031.040	Not Full	No	-1.250	15.050
<input type="checkbox"/>	WCR3_I13A	5,041.820	0.000	0.000	0.000	5,029.690	Not Full	No	-1.250	12.130
<input type="checkbox"/>	WCR3_I14	5,040.390	0.000	0.000	0.000	5,028.390	Not Full	No	-1.250	12.000
<input type="checkbox"/>	WCR3_I15	5,039.430	0.000	0.000	0.000	5,026.580	Not Full	No	-1.250	12.850
<input type="checkbox"/>	WCR3_I2	5,066.970	0.000	0.000	0.000	5,053.450	Not Full	No	-1.250	13.520
<input type="checkbox"/>	WCR3_I4	5,065.060	0.000	0.000	0.000	5,051.050	Not Full	No	-1.250	14.010
<input type="checkbox"/>	WCR3_I5	5,059.210	0.000	0.000	0.000	5,046.410	Not Full	No	-1.250	12.800
<input type="checkbox"/>	WCR3_I6	5,056.080	0.000	0.000	0.000	5,044.630	Not Full	No	-1.250	11.450
<input type="checkbox"/>	WCR3_I7	5,053.870	0.000	0.000	0.000	5,042.620	Not Full	No	-1.250	11.250
<input type="checkbox"/>	WCR3_I8	5,051.680	0.000	0.000	0.000	5,040.420	Not Full	No	-1.250	11.260
<input type="checkbox"/>	WCR3_I9	5,048.680	0.000	0.000	0.000	5,038.620	Not Full	No	-1.250	10.060
<input type="checkbox"/>	WCR3-I_3	5,066.070	0.000	0.000	0.000	5,052.450	Not Full	No	-1.250	13.620
<input type="checkbox"/>	WCR5_1	5,170.000	0.000	0.000	0.000	5,157.000	Not Full	No	-0.833	13.000
<input type="checkbox"/>	WCR5_10	5,094.000	0.000	0.000	0.000	5,081.000	Not Full	No	-1.000	13.000
<input type="checkbox"/>	WCR5_11	5,092.990	0.000	0.000	0.000	5,077.890	Not Full	No	-1.000	15.100
<input type="checkbox"/>	WCR5_12	5,084.000	0.000	0.000	0.000	5,071.000	Not Full	No	-1.000	13.000
<input type="checkbox"/>	WCR5_13	5,080.000	0.000	0.000	0.000	5,067.000	Not Full	No	-1.000	13.000
<input type="checkbox"/>	WCR5_14	5,078.000	0.000	0.000	0.000	5,065.000	Not Full	No	-1.000	13.000
<input type="checkbox"/>	WCR5_15	5,076.000	0.000	0.000	0.000	5,063.000	Not Full	No	-1.000	13.000
<input type="checkbox"/>	WCR5_16	5,070.000	0.000	0.000	0.000	5,057.000	Not Full	No	-1.000	13.000
<input type="checkbox"/>	WCR5_17	5,066.000	0.000	0.000	0.000	5,053.000	Not Full	No	-1.000	13.000
<input type="checkbox"/>	WCR5_18	5,062.000	0.000	0.000	0.000	5,049.000	Not Full	No	-1.000	13.000
<input type="checkbox"/>	WCR5_19	5,058.000	0.000	0.000	0.000	5,045.000	Not Full	No	-1.000	13.000
<input type="checkbox"/>	WCR5_2	5,162.980	0.000	0.000	0.000	5,148.900	Not Full	No	-0.833	14.080
<input type="checkbox"/>	WCR5_20	5,048.000	0.000	0.000	0.000	5,035.000	Not Full	No	-1.000	13.000
<input type="checkbox"/>	WCR5_21	5,045.000	0.000	0.000	0.000	5,031.990	Not Full	No	-1.000	13.010
<input type="checkbox"/>	WCR5_22	5,029.000	0.000	0.000	0.000	5,016.000	Not Full	No	-1.250	13.000
<input type="checkbox"/>	WCR5_23	5,028.000	0.000	0.000	0.000	5,015.000	Not Full	No	-1.250	13.000
<input type="checkbox"/>	WCR5_24	5,022.000	0.000	0.000	0.000	5,009.000	Not Full	No	-1.250	13.000
<input type="checkbox"/>	WCR5_25	5,017.080	0.000	0.000	0.000	5,003.900	Not Full	No	-1.250	13.180
<input type="checkbox"/>	WCR5_26	5,018.000	0.000	0.000	0.000	5,001.770	Not Full	No	-1.250	16.230
<input type="checkbox"/>	WCR5_27	5,018.000	0.000	0.000	0.000	4,999.930	Not Full	No	-1.250	18.070
<input type="checkbox"/>	WCR5_28	5,016.000	0.000	0.000	0.000	4,998.700	Not Full	No	-1.250	17.300
<input type="checkbox"/>	WCR5_3	5,156.000	0.000	0.000	0.000	5,142.870	Not Full	No	-0.833	13.130
<input type="checkbox"/>	WCR5_4	5,138.000	0.000	0.000	0.000	5,124.900	Not Full	No	-1.000	13.100
<input type="checkbox"/>	WCR5_5	5,136.000	0.000	0.000	0.000	5,122.900	Not Full	No	-1.000	13.100
<input type="checkbox"/>	WCR5_6	5,138.000	0.000	0.000	0.000	5,120.350	Not Full	No	-1.000	17.650
<input type="checkbox"/>	WCR5_7	5,132.000	0.000	0.000	0.000	5,119.000	Not Full	No	-1.000	13.000

EXISTING MANHOLE TABLE

	ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
<input type="checkbox"/>	WCR5_8	5,124.000	0.000	0.000	0.000	5,111.000	Not Full	No	-1.000	13.000
<input type="checkbox"/>	WCR5_9	5,112.000	0.000	0.000	0.000	5,099.000	Not Full	No	-1.000	13.000
<input type="checkbox"/>	WCR7_1	5,154.000	0.000	0.000	0.000	5,141.000	Not Full	No	-0.667	13.000
<input type="checkbox"/>	WCR7_10	5,062.000	0.000	0.000	0.000	5,049.000	Not Full	No	-0.667	13.000
<input type="checkbox"/>	WCR7_11	5,058.000	0.000	0.000	0.000	5,045.000	Not Full	No	-0.667	13.000
<input type="checkbox"/>	WCR7_12	5,055.990	0.000	0.000	0.000	5,043.000	Not Full	No	-0.833	12.990
<input type="checkbox"/>	WCR7_13	5,050.000	0.000	0.000	0.000	5,037.000	Not Full	No	-0.833	13.000
<input type="checkbox"/>	WCR7_14	5,044.000	0.000	0.000	0.000	5,031.000	Not Full	No	-0.833	13.000
<input type="checkbox"/>	WCR7_15	5,042.000	0.000	0.000	0.000	5,029.000	Not Full	No	-0.833	13.000
<input type="checkbox"/>	WCR7_16	5,038.000	0.000	0.000	0.000	5,024.900	Not Full	No	-0.833	13.100
<input type="checkbox"/>	WCR7_17	5,036.000	0.000	0.000	0.000	5,022.940	Not Full	No	-0.833	13.060
<input type="checkbox"/>	WCR7_18	5,034.990	0.000	0.000	0.000	5,021.000	Not Full	No	-0.833	13.990
<input type="checkbox"/>	WCR7_2	5,136.000	0.000	0.000	0.000	5,123.000	Not Full	No	-0.667	13.000
<input type="checkbox"/>	WCR7_3	5,120.000	0.000	0.000	0.000	5,107.000	Not Full	No	-0.667	13.000
<input type="checkbox"/>	WCR7_4	5,108.000	0.000	0.000	0.000	5,095.000	Not Full	No	-0.667	13.000
<input type="checkbox"/>	WCR7_5	5,102.000	0.000	0.000	0.000	5,089.000	Not Full	No	-0.667	13.000
<input type="checkbox"/>	WCR7_6	5,094.000	0.000	0.000	0.000	5,081.000	Not Full	No	-0.667	13.000
<input type="checkbox"/>	WCR7_7	5,090.000	0.000	0.000	0.000	5,077.000	Not Full	No	-0.667	13.000
<input type="checkbox"/>	WCR7_8	5,072.000	0.000	0.000	0.000	5,059.010	Not Full	No	-0.667	12.990
<input type="checkbox"/>	WCR7_9	5,068.000	0.000	0.000	0.000	5,055.000	Not Full	No	-0.667	13.000

EXISTING PIPE TABLE

	ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (gpd)	Peakable Flow (gpd)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth (ft)	Critical Depth	Froude Number	Full Flow (gpd)	Backwater Adjustment	Adjusted Depth	Adjusted Velocity
	AIF1_119-ECF21_120	AIF1_119	ECF21_120	12.000	488.407	0.004	456,289.280	137,000.108	Free Surface	2.653	0.372	0.295	0.372	0.350	0.891	1,547,662.229	No	0.372	2.653
	ARF1_12-ARF1_4	ARF1_12	ARF1_4	8.000	154.018	0.004	225,620.011	59,250.218	Free Surface	2.239	0.458	0.430	0.305	0.274	0.815	525,053.946	No	0.305	2.239
	ARF1_16-ARF1_12	ARF1_16	ARF1_12	8.000	132.199	0.011	225,620.011	59,250.218	Free Surface	3.344	0.339	0.248	0.226	0.274	1.449	909,644.038	No	0.226	3.344
	ARF1_17-ARF1_16	ARF1_17	ARF1_16	8.000	314.508	0.009	225,620.011	59,250.218	Free Surface	3.111	0.358	0.274	0.239	0.274	1.308	822,988.236	No	0.239	3.111
	ARF1_28-ARF1_17	ARF1_28	ARF1_17	8.000	284.662	0.020	225,620.011	59,250.218	Free Surface	4.064	0.295	0.189	0.196	0.274	1.905	1,193,034.187	No	0.196	4.064
	ARF1_29-ARF1_28	ARF1_29	ARF1_28	8.000	66.881	0.012	225,620.011	59,250.218	Free Surface	3.437	0.333	0.239	0.222	0.274	1.507	945,043.898	No	0.222	3.437
	ARF1_2-FMF9_1	ARF1_2	FMF9_1	10.000	336.918	0.004	225,620.011	59,250.218	Free Surface	2.340	0.318	0.219	0.265	0.257	0.941	1,029,721.578	No	0.265	2.340
	ARF1_31-ARF1_29	ARF1_31	ARF1_29	8.000	345.854	0.009	225,620.011	59,250.218	Free Surface	3.035	0.364	0.284	0.243	0.274	1.263	795,342.077	No	0.243	3.035
	ARF1_32-ARF1_31	ARF1_32	ARF1_31	8.000	124.179	0.007	225,620.011	59,250.218	Free Surface	2.852	0.382	0.309	0.254	0.274	1.156	730,184.738	No	0.254	2.852
	ARF1_33-ARF1_32	ARF1_33	ARF1_32	8.000	224.073	0.010	225,620.011	59,250.218	Free Surface	3.138	0.356	0.271	0.237	0.274	1.324	832,905.398	No	0.237	3.138
	ARF1_34-ARF1_33	ARF1_34	ARF1_33	8.000	155.283	0.006	225,620.011	59,250.218	Free Surface	2.597	0.409	0.351	0.273	0.274	1.011	642,238.703	No	0.273	2.597
	ARF1_35-ARF1_34	ARF1_35	ARF1_34	8.000	103.489	0.005	225,620.011	59,250.218	Free Surface	2.475	0.424	0.375	0.283	0.274	0.943	601,337.528	No	0.283	2.475
	ARF1_36-ARF1_35	ARF1_36	ARF1_35	8.000	271.125	0.009	225,620.011	59,250.218	Free Surface	3.010	0.367	0.287	0.244	0.274	1.249	786,423.378	No	0.244	3.010
	ARF1_37-ARF1_36	ARF1_37	ARF1_36	8.000	113.306	0.006	225,620.011	59,250.218	Free Surface	2.710	0.396	0.331	0.264	0.274	1.075	680,924.666	No	0.264	2.710
	ARF1_3-ARF1_2	ARF1_3	ARF1_2	8.000	201.740	0.006	225,620.011	59,250.218	Free Surface	2.703	0.397	0.333	0.265	0.274	1.071	678,362.734	No	0.265	2.703
	ARF1_4-ARF1_3	ARF1_4	ARF1_3	8.000	122.407	0.015	225,620.011	59,250.218	Free Surface	3.697	0.315	0.216	0.210	0.274	1.669	1,045,721.845	No	0.210	3.697
	ARF2_1-TOE_2647	ARF2_1	TOE_2647	8.000	158.000	0.008	225,620.011	59,250.218	Free Surface	2.946	0.372	0.295	0.248	0.274	1.211	763,554.513	No	0.248	2.946
	ARF2_2-ARF2_1	ARF2_2	ARF2_1	8.000	151.286	0.006	225,620.011	59,250.218	Free Surface	2.695	0.398	0.334	0.265	0.274	1.066	675,771.581	No	0.265	2.695
	BFF1_61-BFF1_61	BFF1_61	BFF1_62	8.000	397.643	0.005	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	601,633.726	No	0.000	0.000
	BFF1_62-BFF1_63	BFF1_62	BFF1_63	8.000	345.405	0.005	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	600,374.865	Yes	0.069	0.000
	BFF1_63-TOE_2733	BFF1_63	TOE_2733	8.000	197.672	0.007	67,000.295	16,750.074	Free Surface	1.986	0.207	0.094	0.138	0.147	1.126	713,929.656	Yes	0.230	0.969
	CCF3_39E-CMF2_39D	CCF3_39E	CMF2_39D	10.000	161.407	0.004	167,114.552	42,999.824	Free Surface	2.057	0.281	0.173	0.234	0.220	0.885	968,552.158	No	0.234	2.057
	CCF3_60A-CCF3_39E	CCF3_60A	CCF3_39E	10.000	310.798	0.004	167,114.552	42,999.824	Free Surface	2.091	0.278	0.169	0.232	0.220	0.905	990,944.494	No	0.232	2.091
	CCF3_60-CCF3_60A	CCF3_60	CCF3_60A	10.000	135.757	0.040	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	3,061,985.380	Yes	0.006	0.000
	CCF4_4-1-TOE_2990	CCF4_41	TOE_2990	8.000	204.703	0.012	253,583.000	68,250.214	Free Surface	3.500	0.358	0.274	0.238	0.292	1.472	926,183.223	No	0.238	3.500
	CCF4_4-2-CCF4_41	CCF4_42	CCF4_41	8.000	274.850	0.030	125,071.153	31,499.988	Free Surface	3.990	0.197	0.085	0.131	0.202	2.324	1,478,629.209	No	0.131	3.990
	CCF4_4-3-CCF4_42	CCF4_43	CCF4_42	8.000	287.880	0.031	125,071.153	31,499.988	Free Surface	4.004	0.196	0.084	0.131	0.202	2.335	1,485,724.658	No	0.131	4.004
	CCF4_4-4-CCF4_43	CCF4_44	CCF4_43	8.000	307.760	0.018	125,071.153	31,499.988	Free Surface	3.337	0.223	0.109	0.149	0.202	1.819	1,148,410.503	No	0.149	3.337
	CCF4_4-5-CCF4_44	CCF4_45	CCF4_44	8.000	312.018	0.018	125,071.153	31,499.988	Free Surface	3.327	0.223	0.109	0.149	0.202	1.812	1,143,577.617	No	0.149	3.327
	CCF6_105-CCF6_106	CCF6_105	CCF6_106	12.000	300.958	0.015	456,289.280	137,000.108	Free Surface	4.381	0.259	0.147	0.259	0.350	1.800	3,112,332.973	No	0.259	4.381
	CCF6_106-TOE_2640	CCF6_106	TOE_2640	12.000	304.102	0.015	456,289.280	137,000.108	Free Surface	4.287	0.263	0.151	0.263	0.350	1.747	3,018,825.908	No	0.263	4.287
	CCF6_6-10-CCF6_69	CCF6_610	CCF6_69	8.000	294.243	0.018	253,583.000	68,250.214	Free Surface	4.097	0.319	0.220	0.212	0.292	1.839	1,152,419.655	No	0.212	4.097
	CCF6_6-11-CCF6_610	CCF6_611	CCF6_610	8.000	108.377	0.016	253,583.000	68,250.214	Free Surface	3.881	0.332	0.237	0.221	0.292	1.704	1,068,707.131	No	0.221	3.881
	CCF6_6-12-CCF6_611	CCF6_612	CCF6_611	8.000	139.412	0.017	253,583.000	68,250.214	Free Surface	4.008	0.324	0.227	0.216	0.292	1.783	1,117,689.788	No	0.216	4.008
	CCF6_6-13-CCF6_612	CCF6_613	CCF6_612	8.000	116.143	0.012	253,583.000	68,250.214	Free Surface	3.523	0.356	0.271	0.237	0.292	1.486	934,707.955	No	0.237	3.523
	CCF6_6-14-CCF6_613	CCF6_614	CCF6_613	8.000	93.593	0.010	253,583.000	68,250.214	Free Surface	3.314	0.372	0.295	0.248	0.292	1.363	859,168.773	No	0.248	3.314
	CCF6_6-15-CCF6_105	CCF6_615	CCF6_105	12.000	250.404	0.035	253,583.000	68,250.214	Free Surface	4.935	0.158	0.054	0.158	0.259	2.634	4,699,501.517	No	0.158	4.935
	CCF6_6-8-CCF6_615	CCF6_68	CCF6_615	8.000	122.248	0.018	253,583.000	68,250.214	Free Surface	4.040	0.322	0.224	0.215	0.292	1.803	1,130,246.077	No	0.215	4.040
	CCF6_6-9-CCF6_68	CCF6_69	CCF6_68	8.000	210.219	0.017	253,583.000	68,250.214	Free Surface	3.985	0.325	0.229	0.217	0.292	1.768	1,108,600.417	No	0.217	3.985
	CCF9_4-6-CCF4_45	CCF9_46	CCF4_45	8.000	295.271	0.005	125,071.153	31,499.988	Free Surface	2.147	0.305	0.202	0.203	0.202	0.988	618,590.475	No	0.203	2.147
	CFF1_17-TOE_2631	CFF1_17	TOE_2631	15.000	200.085	0.011	750,543.529	247,651.107	Free Surface	4.418	0.267	0.156	0.333	0.425	1.597	4,819,738.677	No	0.333	4.418
	CFF1_18-CFF1_17	CFF1_18	CFF1_17	15.000	192.033	0.012	750,543.529	247,651.107	Free Surface	4.476	0.264	0.153	0.330	0.425	1.626	4,908,843.591	No	0.330	4.476
	CFF1_19B1-CFF1_19	CFF1_19B1	CFF1_19	12.000	114.139	0.008	347,780.617	99,250.523	Free Surface	3.211	0.266	0.155	0.266	0.305	1.300	2,245,553.259	No	0.266	3.211
	CFF1_19B2-CFF1_19B1	CFF1_19B2	CFF1_19B1	12.000	135.089	0.007	347,780.617	99,250.523	Free Surface	2.988	0.280	0.171	0.280	0.305	1.176	2,030,162.628	No	0.280	2.988
	CFF1_19-CFF1_18	CFF1_19	CFF1_18	15.000	128.744	0.011	750,543.529	247,651.107	Free Surface	4.336	0.270	0.160	0.338	0.425	1.556	4,695,185.852	No	0.338	4.336
	CFF1_20-CFF1_19	CFF1_20	CFF1_19	12.000	259.752	0.011	488,103.967	148,400.584	Free Surface	3.949	0.292	0.186	0.292	0.363	1.518	2,619,928.491	No	0.292	3.949
	CFF1_21-CFF1_20	CFF1_21	CFF1_20	12.000	204.761	0.011	488,103.967	148,400.584	Free Surface	3.901	0.295	0.190	0.295	0.363	1.492	2,574,854.316	No	0.295	3.901
	CFF1_22A-CFF1_22B	CFF1_22A	CFF1_22B	10.000	369.202	0.014	167,114.552	42,999.824	Free Surface	3.214	0.205	0.092	0.171	0.220	1.638	1,814,859.742	No	0.171	3.214
	CFF1_22B-CFF1_22C	CFF1_22B	CFF1_22C	10.000	151.596	0.014	167,114.552	42,999.824	Free Surface	3.208	0.205	0.092	0.171	0.220	1.634	1,810,337.033	No	0.171	3.208
	CFF1_22C-CFF1_19B2	CFF1_22C	CFF1_19B2	10.000	289.466	0.013	347,780.617	99,250.523	Free Surface	3.903	0.300	0.196	0.250	0.321	1.619	1,771,578.311	No	0.250	3.903
	CFF1_22-CCF1_21	CFF1_22	CFF1_21	12.000	185.308	0.008	393,085.517	114,649.877	Free Surface	3.315	0.284	0.176	0.284	0.324	1.295	2,235,268.786	No	0.284	3.315
	CFF1_22D-CFF1_22C	CFF1_22D	CFF1_22C	10.000	133.147	0.014	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,832,565.336	No	0.000	0.000
	CFF1_22E-CFF1_22D	CFF1_22E	CFF1_22D	10.000	130.967	0.012	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,715,954.795	No	0.000	0.000
	CFF1_22F1-CFF1_22E	CFF1_22F1	CFF1_22E	10.000	217.475	0.005	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,128,189.005	No	0.000	0.000
	CFF1_23-CFF1_22	CFF1_23	CFF1_22	12.000	96.489	0.009	393,085.517	114,649.877	Free Surface	3.518	0.272	0.162	0.272	0.324	1.406	2,428,997.525	No	0.272	3.518
	CFF1_2																		

EXISTING PIPE TABLE

	ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (gpd)	Peakable Flow (gpd)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth (ft)	Critical Depth	Froude Number	Full Flow (gpd)	Backwater Adjustment	Adjusted Depth	Adjusted Velocity
	CFF1_28-CFF1_27	CFF1_28	CFF1_27	12.000	145.140	0.010	393,085.517	114,649.877	Free Surface	3.625	0.266	0.155	0.266	0.324	1.467	2,534,226.581	No	0.266	3.625
	CFF1_29-CFF1_28	CFF1_29	CFF1_28	12.000	150.879	0.024	393,085.517	114,649.877	Free Surface	4.872	0.216	0.102	0.216	0.324	2.205	3,841,988.751	No	0.216	4.872
	CFF1_30-CFF1_29	CFF1_30	CFF1_29	12.000	241.294	0.023	393,085.517	114,649.877	Free Surface	4.859	0.216	0.103	0.216	0.324	2.197	3,827,344.160	No	0.216	4.859
	CFF1_31-CFF1_30	CFF1_31	CFF1_30	12.000	118.736	0.010	393,085.517	114,649.877	Free Surface	3.637	0.266	0.154	0.266	0.324	1.473	2,545,706.000	No	0.266	3.637
	CHF1A_22-CHF1A_23	CHF1A_22	CHF1A_23	18.000	160.160	0.019	518,334.348	159,449.700	Free Surface	4.690	0.153	0.051	0.229	0.333	2.077	10,243,088.805	No	0.229	4.690
	CHF1A_23-CHF1A_24	CHF1A_23	CHF1A_24	18.000	434.970	0.023	518,334.348	159,449.700	Free Surface	5.009	0.146	0.046	0.219	0.333	2.271	11,248,363.236	No	0.219	5.009
	CHF1A_24-CHF1A_25	CHF1A_24	CHF1A_25	18.000	292.440	0.010	518,334.348	159,449.700	Free Surface	3.760	0.178	0.069	0.267	0.333	1.538	7,481,584.554	No	0.267	3.760
	CHF1A_25-CHF1A_A1A	CHF1A_25	CHF1A_A1A	18.000	123.397	0.007	518,334.348	159,449.700	Free Surface	3.317	0.195	0.083	0.292	0.333	1.296	6,262,836.979	Yes	0.292	3.307
	CHF1A_A1A-TOE_2586	CHF1A_A1A	TOE_2586	18.000	158.077	0.007	518,334.348	159,449.700	Free Surface	3.296	0.195	0.084	0.293	0.333	1.284	6,207,300.817	No	0.293	3.296
	CHF1A_C1-CHF1A_22	CHF1A_C1	CHF1A_22	18.000	101.324	0.058	309,352.386	86,199.808	Free Surface	5.904	0.092	0.017	0.138	0.256	3.401	17,749,713.432	Yes	0.159	4.798
	CHF1B_12-CHF1B_20	CHF1B_12	CHF1B_20	18.000	340.960	0.027	309,352.386	86,199.808	Free Surface	4.545	0.110	0.025	0.165	0.256	2.390	12,205,355.972	No	0.165	4.545
	CHF1B_14A-CHF1B_17	CHF1B_14A	CHF1B_17	18.000	122.228	0.017	237,892.408	63,200.136	Free Surface	3.573	0.108	0.025	0.162	0.224	1.893	9,689,124.841	No	0.162	3.573
	CHF1B_15A-CHF1B_14A	CHF1B_15A	CHF1B_14A	18.000	195.015	0.001	237,892.408	63,200.136	Free Surface	1.454	0.201	0.088	0.301	0.224	0.558	2,692,660.183	No	0.301	1.454
	CHF1B_15A-CHF3A_15B	CHF3A_15B	CHF1B_15A	18.000	180.259	0.003	237,892.408	63,200.136	Free Surface	1.855	0.170	0.063	0.254	0.224	0.779	3,805,405.449	No	0.254	1.855
	CHF1B_17-CHF1B_18	CHF1B_17	CHF1B_18	18.000	330.000	0.006	237,892.408	63,200.136	Free Surface	2.532	0.137	0.040	0.205	0.224	1.188	5,924,634.458	No	0.205	2.532
	CHF1B_18-CHF1B_12	CHF1B_18	CHF1B_12	18.000	400.000	0.033	309,352.386	86,199.808	Free Surface	4.848	0.105	0.023	0.157	0.256	2.607	13,386,173.134	No	0.157	4.848
	CHF1B_20-TOE_2585	CHF1B_20	TOE_2585	18.000	392.558	0.025	309,352.386	86,199.808	Free Surface	4.388	0.112	0.027	0.169	0.256	2.279	11,610,027.069	No	0.169	4.388
	CHF3A_15-CHF3A_15B	CHF3A_15	CHF3A_15B	18.000	180.044	0.003	237,892.408	63,200.136	Free Surface	1.870	0.169	0.062	0.253	0.224	0.787	3,847,134.378	No	0.253	1.870
	CHF3C_8-CHF3C_9	CHF3C_8	CHF3C_9	18.000	288.213	0.005	134,026.302	33,949.427	Free Surface	1.896	0.113	0.027	0.169	0.167	0.984	5,009,536.836	No	0.169	1.896
	CHF3C_9-TOE_2580	CHF3C_9	TOE_2580	18.000	339.237	0.004	134,026.302	33,949.427	Free Surface	1.805	0.116	0.029	0.175	0.167	0.920	4,669,246.805	No	0.175	1.805
	CMF2_22G-CFF1_22F1	CMF2_22G	CFF1_22F1	10.000	50.170	0.028	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	2,587,708.428	No	0.000	0.000
	CMF2_32-CFF1_22A	CMF2_32	CFF1_22A	10.000	151.294	0.009	167,114.552	42,999.824	Free Surface	2.745	0.229	0.115	0.191	0.220	1.319	1,452,948.058	No	0.191	2.745
	CMF2_33-CMF2_32	CMF2_33	CMF2_32	10.000	127.250	0.004	167,114.552	42,999.824	Free Surface	2.149	0.272	0.162	0.227	0.220	0.940	1,029,443.086	No	0.227	2.149
	CMF2_34-CMF2_33	CMF2_34	CMF2_33	10.000	31.066	0.004	167,114.552	42,999.824	Free Surface	2.097	0.277	0.168	0.231	0.220	0.909	995,000.873	No	0.231	2.097
	CMF2_35-CMF2_34	CMF2_35	CMF2_34	10.000	109.503	0.005	167,114.552	42,999.824	Free Surface	2.238	0.265	0.153	0.221	0.220	0.995	1,090,089.794	No	0.221	2.238
	CMF2_36-CMF2_35	CMF2_36	CMF2_35	10.000	215.403	0.013	167,114.552	42,999.824	Free Surface	3.125	0.209	0.096	0.174	0.220	1.576	1,744,243.654	No	0.174	3.125
	CMF2_37-CMF2_36	CMF2_37	CMF2_36	10.000	95.722	0.012	167,114.552	42,999.824	Free Surface	3.050	0.213	0.099	0.177	0.220	1.525	1,685,918.996	No	0.177	3.050
	CMF2_38-CMF2_37	CMF2_38	CMF2_37	10.000	36.580	0.010	167,114.552	42,999.824	Free Surface	2.842	0.223	0.110	0.186	0.220	1.384	1,525,893.681	No	0.186	2.842
	CMF2_39A-CMF2_39	CMF2_39A	CMF2_39	10.000	94.496	0.004	167,114.552	42,999.824	Free Surface	2.067	0.280	0.171	0.233	0.220	0.891	975,390.304	No	0.233	2.067
	CMF2_39B-CMF2_39A	CMF2_39B	CMF2_39A	10.000	156.532	0.019	167,114.552	42,999.824	Free Surface	3.555	0.191	0.080	0.159	0.220	1.880	2,093,583.694	No	0.159	3.555
	CMF2_39C-CMF2_39B	CMF2_39C	CMF2_39B	10.000	127.599	0.004	167,114.552	42,999.824	Free Surface	2.048	0.282	0.174	0.235	0.220	0.880	962,841.442	No	0.235	2.048
	CMF2_39-CMF2_38	CMF2_39	CMF2_38	10.000	65.228	0.009	167,114.552	42,999.824	Free Surface	2.759	0.228	0.114	0.190	0.220	1.328	1,462,862.125	No	0.190	2.759
	CMF2_39D-CMF2_39C	CMF2_39D	CMF2_39C	10.000	138.889	0.004	167,114.552	42,999.824	Free Surface	2.056	0.281	0.173	0.234	0.220	0.884	967,923.923	No	0.234	2.056
	COMPF1_10.1-TOE_2941	COMPF1_101	TOE_2941	12.000	179.590	0.005	148,835.729	38,000.146	Free Surface	2.111	0.197	0.085	0.197	0.197	1.004	1,760,761.108	No	0.197	2.111
	CSF1_C2A-TOE_2804	CSF1_C2A	TOE_2804	18.000	237.022	0.003	908,234.171	310,725.963	Free Surface	2.867	0.321	0.223	0.482	0.444	0.854	4,064,442.599	No	0.482	2.867
	CSF1_C2C-CSF1_C2A	CSF1_C2C	CSF1_C2A	18.000	14.583	0.010	908,234.171	310,725.963	Free Surface	4.324	0.239	0.126	0.359	0.444	1.512	7,225,549.849	No	0.359	4.324
	CSF1_C3A-CSF1_C3B	CSF1_C3A	CSF1_C3B	18.000	198.534	0.004	863,661.534	292,651.090	Free Surface	3.056	0.296	0.191	0.444	0.433	0.953	4,532,537.708	No	0.444	3.056
	CSF1_C3B-CSF1_C4B	CSF1_C3B	CSF1_C4B	18.000	414.773	0.003	863,661.534	292,651.090	Free Surface	2.819	0.314	0.213	0.470	0.433	0.851	4,048,353.344	No	0.470	2.819
	CSF1_C4B-CSF1_C5B	CSF1_C4B	CSF1_C5B	18.000	412.389	0.004	863,661.534	292,651.090	Free Surface	3.120	0.291	0.185	0.437	0.433	0.981	4,664,630.000	No	0.437	3.120
	CSF1_C5B-CSF1_C6C	CSF1_C5B	CSF1_C6C	18.000	180.189	0.005	863,661.534	292,651.090	Free Surface	3.309	0.279	0.171	0.419	0.433	1.065	5,064,930.575	No	0.419	3.309
	CSF1_C6C-CSF1_C2C	CSF1_C6C	CSF1_C2C	18.000	228.964	0.003	908,234.171	310,725.963	Free Surface	2.813	0.326	0.229	0.489	0.444	0.832	3,959,290.219	No	0.489	2.813
	ECF1_100-ECF1_102	ECF1_100	ECF1_102	30.000	179.634	0.003	2,039,785.045	814,050.413	Free Surface	3.213	0.254	0.142	0.635	0.582	0.843	14,412,685.329	Yes	0.643	3.161
	ECF1_102-ECF1_26	ECF1_102	ECF1_26	30.000	332.132	0.002	2,039,785.045	814,050.413	Free Surface	3.111	0.260	0.148	0.650	0.582	0.806	13,774,775.041	No	0.650	3.111
	ECF1_108-ECF1_28	ECF1_108	ECF1_28	30.000	298.395	0.010	2,264,837.354	922,050.373	Free Surface	5.394	0.190	0.079	0.475	0.614	1.652	28,680,223.705	No	0.475	5.394
	ECF1_118-ECF1_119	ECF1_118	ECF1_119	12.000	374.069	0.006	671,264.056	216,849.518	Free Surface	3.386	0.414	0.358	0.414	0.428	1.069	1,874,045.649	No	0.414	3.386
	ECF1_119-TOE_2594	ECF1_119	TOE_2594	12.000	347.709	0.005	671,264.056	216,849.518	Free Surface	3.253	0.426	0.378	0.426	0.428	1.009	1,774,422.234	No	0.426	3.253
	ECF1_2271-TOE_2655	ECF1_2271	TOE_2655	30.000	283.188	0.002	2,267,617.810	923,401.092	Free Surface	3.005	0.288	0.180	0.719	0.615	0.737	12,574,544.023	Yes	1.130	1.628
	ECF1_24-ECF1_44	ECF1_24	ECF1_44	30.000	449.061	0.001	2,039,785.045	814,050.413	Free Surface	2.316	0.322	0.224	0.804	0.582	0.534	9,115,619.517	No	0.804	2.316
	ECF1_25-ECF1_100	ECF1_25	ECF1_100	30.000	447.757	0.002	2,039,785.045	814,050.413	Free Surface	2.923	0.272	0.162	0.680	0.582	0.739	12,620,046.817	No	0.680	2.923
	ECF1_26-ECF1_27	ECF1_26	ECF1_27	30.000	362.156	0.004	2,039,785.045	814,050.413	Free Surface	3.786	0.226	0.112	0.566	0.582	1.057	18,157,932.414	No	0.566	3.786
	ECF1_27-ECF1_108	ECF1_27	ECF1_108	30.000	375.444	0.011	2,039,785.045	814,050.413	Free Surface	5.382	0.177	0.068	0.442	0.582	1.711	29,871,083.103	No	0.442	5.382
	ECF1_28-ECF1_29	ECF1_28	ECF1_29	30.000	303.392	0.010	2,264,837.354	922,050.373	Free Surface	5.450	0.189	0.078	0.472	0.614	1.675	29,107,942.782	No	0.472	5.450
	ECF1_29-ECF1_2271	ECF1_29	ECF1_2271	30.000	201.480	0.007	2,264,837.354	922,050.373	Free Surface	4.756	0.208	0.094	0.519	0.614	1.390	24,003,856.458	Yes	0.594	3.924
	ECF1_44-ECF1_97	ECF1_44	ECF1_97	30.000	343.305	0.001	2,039,785.045	814,050.413	Free Surface	2.330	0.320	0.222	0.800	0.582	0.539	9,194,468.376	No	0.800	2.330
	ECF1_97-ECF1_25	ECF1_97	ECF1_25	30.															

EXISTING PIPE TABLE

	ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (gpd)	Peakable Flow (gpd)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth (ft)	Critical Depth	Froude Number	Full Flow (gpd)	Backwater Adjustment	Adjusted Depth	Adjusted Velocity
	ECF21_123-ECF21_124	ECF21_123	ECF21_124	12.000	249.288	0.005	459,608.767	138,175.148	Free Surface	2.997	0.342	0.252	0.342	0.352	1.056	1,826,926.891	No	0.342	2.997
	ECF21_124-ECF21_130	ECF21_124	ECF21_130	12.000	256.838	0.005	459,608.767	138,175.148	Free Surface	2.957	0.345	0.256	0.345	0.352	1.036	1,793,096.783	No	0.345	2.957
	ECF21_130-ECF1A2_131	ECF21_130	ECF1A2_131	12.000	316.851	0.004	459,608.767	138,175.148	Free Surface	2.725	0.367	0.287	0.367	0.352	0.923	1,602,102.791	No	0.367	2.725
	ECF21_131-ECF21_132	ECF21_131	ECF21_132	8.000	138.119	0.006	83,998.048	20,999.512	Free Surface	2.044	0.238	0.124	0.159	0.165	1.076	677,140.724	No	0.159	2.044
	ECF21_132-ECF21_133	ECF21_132	ECF21_133	8.000	299.894	0.006	83,998.048	20,999.512	Free Surface	1.960	0.245	0.132	0.163	0.165	1.016	638,711.151	No	0.163	1.960
	ECF21_133-ECF21_24	ECF21_133	ECF21_24	30.000	232.963	0.001	2,002,354.552	796,300.980	Free Surface	2.326	0.316	0.217	0.790	0.577	0.542	9,242,619.204	No	0.790	2.326
	ECF21_22A-ECF21_133	ECF21_22A	ECF21_133	24.000	347.152	0.010	1,957,931.706	775,301.468	Free Surface	5.255	0.239	0.125	0.478	0.608	1.593	15,624,736.073	Yes	0.559	4.215
	ECF21_23-ECF21_9	ECF21_23	ECF21_9	30.000	457.000	0.001	2,002,354.552	796,300.980	Free Surface	2.377	0.311	0.210	0.778	0.577	0.558	9,524,883.908	No	0.778	2.377
	ECF21_24-ECF21_23	ECF21_24	ECF21_23	30.000	155.077	0.001	2,002,354.552	796,300.980	Free Surface	2.328	0.316	0.216	0.790	0.577	0.542	9,249,524.645	No	0.790	2.328
	ECF21_9-ECF1_24	ECF21_9	ECF1_24	30.000	492.000	0.002	2,039,785.045	814,050.413	Free Surface	2.754	0.284	0.176	0.709	0.582	0.681	11,611,684.604	No	0.709	2.754
	ECF3_217-ECF3_218	ECF3_217	ECF3_218	18.000	469.731	0.002	1,072,549.722	378,725.617	Free Surface	2.751	0.374	0.298	0.561	0.484	0.752	3,600,918.864	No	0.561	2.751
	ECF3_218-TOE_2746	ECF3_218	TOE_2746	18.000	297.552	0.003	1,072,549.722	378,725.617	Free Surface	3.126	0.341	0.250	0.511	0.484	0.901	4,296,433.228	No	0.511	3.126
	ECF4_133-ECF4_134	ECF4_133	ECF4_134	12.000	398.994	0.006	521,344.385	160,549.860	Free Surface	3.140	0.362	0.281	0.362	0.376	1.071	1,857,266.033	Yes	0.433	2.475
	ECF4_134-ECF4_135	ECF4_134	ECF4_135	12.000	300.951	0.002	521,344.385	160,549.860	Free Surface	2.035	0.504	0.506	0.504	0.376	0.570	1,029,635.546	No	0.504	2.035
	ECF4_135-TOE_2662	ECF4_135	TOE_2662	15.000	88.785	0.002	581,294.434	182,724.411	Free Surface	2.218	0.365	0.285	0.456	0.372	0.674	2,041,934.441	No	0.456	2.218
	ECF5_204-ECF5_205	ECF5_204	ECF5_205	18.000	92.979	0.010	1,030,105.316	360,976.184	Free Surface	4.547	0.253	0.140	0.379	0.474	1.545	7,367,332.673	No	0.379	4.547
	ECF5_205-ECF5_208	ECF5_205	ECF5_208	18.000	243.553	0.010	1,030,105.316	360,976.184	Free Surface	4.547	0.253	0.140	0.379	0.474	1.545	7,369,088.494	Yes	0.379	4.543
	ECF5_208-ECF5_209	ECF5_208	ECF5_209	18.000	59.397	0.010	1,030,105.316	360,976.184	Free Surface	4.539	0.253	0.140	0.379	0.474	1.541	7,349,748.512	Yes	0.429	3.815
	ECF5_209-ECF5_213	ECF5_209	ECF5_213	18.000	204.830	0.003	1,030,105.316	360,976.184	Free Surface	2.858	0.353	0.267	0.529	0.474	0.808	3,855,901.750	No	0.529	2.858
	ECF5_213-ECF5_214	ECF5_213	ECF5_214	18.000	189.500	0.003	1,030,105.316	360,976.184	Free Surface	2.862	0.353	0.267	0.529	0.474	0.809	3,863,009.650	No	0.529	2.862
	ECF5_214-ECF5_215	ECF5_214	ECF5_215	18.000	373.761	0.004	1,072,549.722	378,725.617	Free Surface	3.171	0.337	0.245	0.505	0.484	0.920	4,382,467.483	No	0.505	3.171
	ECF5_215-ECF5_216	ECF5_215	ECF5_216	18.000	501.110	0.013	1,072,549.722	378,725.617	Free Surface	5.035	0.242	0.128	0.363	0.484	1.752	8,366,466.008	No	0.363	5.035
	ECF5_216-ECF3_217	ECF5_216	ECF3_217	18.000	465.922	0.013	1,072,549.722	378,725.617	Free Surface	5.042	0.242	0.128	0.362	0.484	1.755	8,382,439.078	Yes	0.437	3.880
	EHF1_2-EHF4_1	EHF1_2	EHF4_1	8.000	72.518	0.003	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	445,508.194	No	0.000	0.000
	EHF1_3-EHF1_2	EHF1_3	EHF1_2	8.000	209.536	0.005	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	586,049.477	No	0.000	0.000
	EHF1_4-EHF1_3	EHF1_4	EHF1_3	8.000	264.573	0.005	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	594,651.505	No	0.000	0.000
	EHF1_5-EHF1_4	EHF1_5	EHF1_4	8.000	72.008	0.021	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,224,387.430	No	0.000	0.000
	EHF1_6-EHF1_5	EHF1_6	EHF1_5	8.000	83.531	0.041	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,711,509.151	No	0.000	0.000
	EHF1_7-EHF1_6	EHF1_7	EHF1_6	8.000	219.245	0.035	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,579,448.808	No	0.000	0.000
	EHF1_8-EHF1_7	EHF1_8	EHF1_7	8.000	271.700	0.021	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,228,729.304	No	0.000	0.000
	EHF10_11-EHF9_10	EHF10_11	EHF9_10	8.000	256.644	0.014	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	990,677.374	No	0.000	0.000
	EHF10_12-EHF10_11	EHF10_12	EHF10_11	8.000	104.212	0.007	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	685,264.637	No	0.000	0.000
	EHF10_13-EHF10_12	EHF10_13	EHF10_12	8.000	148.178	0.013	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	965,656.503	No	0.000	0.000
	EHF10_14-EHF10_13	EHF10_14	EHF10_13	8.000	185.568	0.005	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	613,334.939	No	0.000	0.000
	EHF10_15-EHF10_14	EHF10_15	EHF10_14	8.000	179.349	0.005	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	607,587.024	No	0.000	0.000
	EHF10_16-EHF10_15	EHF10_16	EHF10_15	8.000	191.512	0.005	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	609,934.416	No	0.000	0.000
	EHF10_17-EHF10_16	EHF10_17	EHF10_16	8.000	99.824	0.004	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	550,262.793	No	0.000	0.000
	EHF10_18-EHF10_17	EHF10_18	EHF10_17	8.000	48.315	0.005	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	585,310.316	No	0.000	0.000
	EHF11_146-EHF11_147	EHF11_146	EHF11_147	8.000	149.540	0.005	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	600,780.117	No	0.000	0.000
	EHF11_147-EHF11_148	EHF11_147	EHF11_148	8.000	258.010	0.007	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	710,533.609	No	0.000	0.000
	EHF11_148-EHF9_19	EHF11_148	EHF9_19	8.000	162.000	0.008	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	762,854.562	No	0.000	0.000
	EHF3_10-EHF3_9	EHF3_10	EHF3_9	8.000	275.063	0.040	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,704,154.670	No	0.000	0.000
	EHF3_11-EHF3_10	EHF3_11	EHF3_10	8.000	280.011	0.036	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,603,157.020	No	0.000	0.000
	EHF3_12-EHF3_11	EHF3_12	EHF3_11	8.000	280.647	0.010	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	862,347.690	No	0.000	0.000
	EHF3_42-EHF3_12	EHF3_42	EHF3_12	8.000	143.448	0.005	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	592,605.092	No	0.000	0.000
	EHF3_9-EHF1_8	EHF3_9	EHF1_8	8.000	281.524	0.016	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,072,536.676	No	0.000	0.000
	EHF4_1-TOE_2592	EHF4_1	TOE_2592	8.000	38.176	0.025	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,338,228.266	No	0.000	0.000
	EHF7_1-EHF3_42	EHF7_1	EHF3_42	8.000	167.606	0.006	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	631,917.381	No	0.000	0.000
	EHF7_6-EHF7_1	EHF7_6	EHF7_1	8.000	274.487	0.005	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	620,813.832	No	0.000	0.000
	EHF9_10-EHF9_9	EHF9_10	EHF9_9	8.000	50.865	0.010	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	849,449.276	No	0.000	0.000
	EHF9_19-EHF10_18	EHF9_19	EHF10_18	8.000	262.829	0.006	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	647,250.479	No	0.000	0.000
	EHF9_1-GVF1_0	EHF9_1	GVF1_0	8.000	246.107	0.042	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,728,730.317	Yes	0.667	0.000
	EHF9_2-EHF9_1	EHF9_2	EHF9_1	8.000	361.561	0.048	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,854,576.605	No	0.000	0.000
	EHF9_3-EHF9_2	EHF9_3	EHF9_2	8.000	186.841	0.050	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,900,766.814	No	0.000	0.000
	EHF9_4-EHF9_3	EHF9_4	EHF9_3	8.000	155.145	0.049	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,873,883.793	No	0.000	0.000
	EHF9_5-EHF9_4	EHF9_5	EHF9_4	8.000	242.340	0.049	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,884,590.663	No	0.000	0.000

EXISTING PIPE TABLE

	ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (gpd)	Peakable Flow (gpd)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth (ft)	Critical Depth	Froude Number	Full Flow (gpd)	Backwater Adjustment	Adjusted Depth	Adjusted Velocity
	EHF9_9-EHF9_8	EHF9_9	EHF9_8	8.000	126.463	0.013	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	951,220.660	No	0.000	0.000
	EP_1-EP_2	EP_1	EP_2	8.000	2,935.010	0.021	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,221,889.131	No	0.000	0.000
	EP_2-EP_3	EP_2	EP_3	8.000	1,331.650	0.014	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,015,980.200	No	0.000	0.000
	EP_3-I25_19	EP_3	I25_19	8.000	574.890	0.017	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,091,092.294	No	0.000	0.000
	EVF1_7-EVF2_6	EVF1_7	EVF2_6	10.000	216.280	0.003	181,744.981	47,001.582	Free Surface	1.842	0.323	0.226	0.269	0.230	0.734	803,361.857	No	0.269	1.842
	EVF1A1_51-LOCA_1	EVF1A1_51	LOCA_1	21.000	93.148	0.002	911,866.884	312,199.082	Free Surface	2.628	0.275	0.165	0.481	0.426	0.790	5,527,552.587	Yes	0.482	2.622
	EVF1A1_52-TOE_2790	EVF1A1_52	TOE_2790	21.000	200.800	0.001	911,866.884	312,199.082	Free Surface	1.826	0.358	0.274	0.626	0.426	0.474	3,330,501.695	No	0.626	1.826
	EVF1A2_1-EVF1A2_50	EVF1A2_1	EVF1A2_50	21.000	186.858	0.001	911,866.884	312,199.082	Free Surface	1.947	0.341	0.251	0.597	0.426	0.519	3,639,275.758	Yes	0.616	1.866
	EVF1A2_50-EVF1A1_51	EVF1A2_50	EVF1A1_51	21.000	494.431	0.001	911,866.884	312,199.082	Free Surface	1.791	0.363	0.281	0.635	0.426	0.461	3,242,109.775	No	0.635	1.791
	EVF2_1A-EVF2_8	EVF2_1A	EVF2_8	12.000	143.991	0.004	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,587,423.739	Yes	0.121	0.000
	EVF2_2-EVF2_8	EVF2_2	EVF2_8	12.000	94.559	0.003	181,744.981	47,001.582	Free Surface	1.956	0.239	0.125	0.239	0.218	0.839	1,455,021.234	No	0.239	1.956
	EVF2_3-EVF2_2	EVF2_3	EVF2_2	12.000	95.123	0.008	181,744.981	47,001.582	Free Surface	2.600	0.195	0.084	0.195	0.218	1.241	2,176,055.790	No	0.195	2.600
	EVF2_4A-KEF1_3	EVF2_4A	KEF1_3	12.000	276.789	0.001	234,943.990	62,251.177	Free Surface	1.538	0.341	0.250	0.341	0.249	0.543	938,867.719	No	0.341	1.538
	EVF2_4-EVF2_3	EVF2_4	EVF2_3	10.000	287.309	0.002	181,744.981	47,001.582	Free Surface	1.750	0.336	0.243	0.280	0.230	0.683	748,295.666	Yes	0.548	0.740
	EVF2_5A-EVF2_4	EVF2_5A	EVF2_4	10.000	177.162	0.003	181,744.981	47,001.582	Free Surface	1.904	0.316	0.216	0.263	0.230	0.769	841,291.145	No	0.263	1.904
	EVF2_5-EVF2_4A	EVF2_5	EVF2_4A	12.000	187.149	0.002	181,744.981	47,001.582	Free Surface	1.704	0.263	0.152	0.263	0.218	0.694	1,198,908.685	No	0.263	1.704
	EVF2_6A-EVF2_5	EVF2_6A	EVF2_5	12.000	46.711	0.004	181,744.981	47,001.582	Free Surface	2.007	0.234	0.120	0.234	0.218	0.869	1,508,900.022	No	0.234	2.007
	EVF2_6-EVF2_5A	EVF2_6	EVF2_5A	10.000	220.000	0.003	181,744.981	47,001.582	Free Surface	1.831	0.325	0.228	0.271	0.230	0.727	796,540.917	No	0.271	1.831
	EVF2_7-EVF2_6A	EVF2_7	EVF2_6A	12.000	46.512	0.002	181,744.981	47,001.582	Free Surface	1.664	0.268	0.157	0.268	0.218	0.671	1,159,743.687	No	0.268	1.664
	EVF2_8-EVF2_7	EVF2_8	EVF2_7	12.000	65.379	0.003	181,744.981	47,001.582	Free Surface	1.817	0.251	0.138	0.251	0.218	0.758	1,312,395.588	No	0.251	1.817
	EVF3_47-EVF3_48	EVF3_47	EVF3_48	21.000	497.618	0.001	911,866.884	312,199.082	Free Surface	1.903	0.347	0.259	0.607	0.426	0.503	3,526,083.241	No	0.607	1.903
	EVF3_48-EVF1A2_1	EVF3_48	EVF1A2_1	21.000	317.062	0.001	911,866.884	312,199.082	Free Surface	1.928	0.344	0.254	0.602	0.426	0.512	3,588,728.736	No	0.602	1.928
	EVF4_46-EVF3_47	EVF4_46	EVF3_47	21.000	505.900	0.001	911,866.884	312,199.082	Free Surface	1.919	0.345	0.256	0.603	0.426	0.509	3,566,357.378	Yes	0.605	1.911
	FMF4_4_4-TOE_2970	FMF4_4_4	TOE_2970	12.000	395.686	0.004	185,393.375	47,999.502	Free Surface	2.048	0.234	0.120	0.234	0.220	0.887	1,539,983.914	No	0.234	2.048
	FMF6_1-FMF6_4_6	FMF6_1	FMF6_4_6	8.000	115.487	0.068	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	2,207,498.480	No	0.000	0.000
	FMF6_2-FMF6_1	FMF6_2	FMF6_1	8.000	150.000	0.012	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	924,118.990	No	0.000	0.000
	FMF6_4_6-TOE_2973	FMF6_4_6	TOE_2973	12.000	142.272	0.004	185,393.375	47,999.502	Free Surface	2.127	0.228	0.114	0.228	0.220	0.935	1,624,287.031	No	0.228	2.127
	FMF7_3-FMF6_2	FMF7_3	FMF6_2	8.000	270.000	0.009	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	824,426.197	No	0.000	0.000
	FMF7_4-FMF7_3	FMF7_4	FMF7_3	8.000	430.000	0.009	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	809,976.682	No	0.000	0.000
	FMF7_5-FMF7_4	FMF7_5	FMF7_4	8.000	352.996	0.010	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	841,091.527	No	0.000	0.000
	FMF8_10-FMF8_9	FMF8_10	FMF8_9	8.000	91.023	0.005	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	569,349.967	No	0.000	0.000
	FMF8_11-FMF8_10	FMF8_11	FMF8_10	8.000	71.269	0.004	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	568,446.303	No	0.000	0.000
	FMF8_1-FMF8_6	FMF8_1	FMF8_6	8.000	90.764	0.066	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	2,184,769.012	No	0.000	0.000
	FMF8_2-FMF8_1	FMF8_2	FMF8_1	8.000	74.020	0.011	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	876,399.929	No	0.000	0.000
	FMF8_3-FMF8_2	FMF8_3	FMF8_2	8.000	130.706	0.012	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	911,811.000	No	0.000	0.000
	FMF8_4-FMF8_3	FMF8_4	FMF8_3	8.000	103.656	0.009	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	820,637.465	No	0.000	0.000
	FMF8_6-FMF7_5	FMF8_6	FMF7_5	8.000	160.553	0.017	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,118,294.473	No	0.000	0.000
	FMF8_8-FMF8_4	FMF8_8	FMF8_4	8.000	206.870	0.017	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,098,701.288	No	0.000	0.000
	FMF8_9-FMF8_8	FMF8_9	FMF8_8	8.000	200.000	0.005	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	602,849.761	No	0.000	0.000
	FMF9_10-FMF9_11	FMF9_10	FMF9_11	8.000	279.830	0.012	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	925,419.375	No	0.000	0.000
	FMF9_11-FMF9_12	FMF9_11	FMF9_12	8.000	252.130	0.007	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	726,669.964	No	0.000	0.000
	FMF9_12-FMF9_13	FMF9_12	FMF9_13	8.000	39.140	0.007	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	730,217.431	No	0.000	0.000
	FMF9_13-FMF9_3	FMF9_13	FMF9_3	8.000	54.240	0.008	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	772,698.419	No	0.000	0.000
	FMF9_15-FMF9_23	FMF9_15	FMF9_23	8.000	49.960	0.007	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	699,828.864	No	0.000	0.000
	FMF9_1-TOE_2710	FMF9_1	TOE_2710	10.000	71.040	0.008	225,620.011	59,250.218	Free Surface	2.846	0.276	0.167	0.230	0.257	1.236	1,353,395.699	Yes	0.245	2.615
	FMF9_22-FMF9_9	FMF9_22	FMF9_9	8.000	371.380	0.004	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	522,713.730	No	0.000	0.000
	FMF9_23-FMF9_35	FMF9_23	FMF9_35	8.000	44.080	0.007	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	722,799.434	No	0.000	0.000
	FMF9_35-FMF9_22	FMF9_35	FMF9_22	8.000	118.160	0.006	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	638,801.265	No	0.000	0.000
	FMF9_3-FMF8_11	FMF9_3	FMF8_11	8.000	240.000	0.005	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	597,353.575	No	0.000	0.000
	FMF9_9-FMF9_10	FMF9_9	FMF9_10	8.000	281.570	0.008	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	756,648.937	No	0.000	0.000
	GVF1_0-GVF1_36	GVF1_0	GVF1_36	8.000	204.942	0.055	75,997.411	18,999.353	Free Surface	4.246	0.133	0.038	0.089	0.156	3.028	1,992,874.077	No	0.089	4.246
	GVF1_100-GVF1_101	GVF1_100	GVF1_101	8.000	115.699	0.022	342,629.059	97,499.483	Free Surface	4.750	0.356	0.272	0.238	0.341	2.003	1,259,413.660	No	0.238	4.750
	GVF1_101-GVF1_102	GVF1_101	GVF1_102	8.000	335.002	0.013	342,629.059	97,499.483	Free Surface	3.865	0.416	0.361	0.277	0.341	1.491	948,739.808	No	0.277	3.865
	GVF1_102-GVF1_103	GVF1_102	GVF1_103	8.000	55.341	0.012	342,629.059	97,499.483	Free Surface	3.755	0.425	0.376	0.283	0.341	1.430	912,285.351	No	0.283	3.755
	GVF1_103-GVF1_104	GVF1_103	GVF1_104	8.000	52.260	0.008	342,629.059	97,499.483	Free Surface	3.340	0.464	0.440	0.310	0.341	1.205	778,406.631	No	0.310	3.340
	GVF1_104-GVF1_105	GVF1_104	GVF1_105	8.000	145.575	0.026	342,629.059	97,499.483	Free Surface	5.016	0.342	0.252	0.228	0.341	2.163	1,357,921.256	No	0.228	5.016
	GVF1_105-GVF1_106	GVF1_105	GVF1_106	8.000	69.468	0.037	342,629.059	97,499.483	Free Surface	5.741	0.310	0.209	0.207	0.341	2.615	1,638,025.872	No	0.207	5.74

EXISTING PIPE TABLE

	ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (gpd)	Peakable Flow (gpd)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth (ft)	Critical Depth	Froude Number	Full Flow (gpd)	Backwater Adjustment	Adjusted Depth	Adjusted Velocity
	GVF1_108-GVF1_109	GVF1_108	GVF1_109	8.000	99.765	0.020	342,629.059	97,499.483	Free Surface	4.623	0.364	0.282	0.242	0.341	1.927	1,213,079.383	No	0.242	4.623
	GVF1_109-GVF1_111	GVF1_109	GVF1_111	8.000	210.244	0.098	342,629.059	97,499.483	Free Surface	8.095	0.243	0.129	0.162	0.341	4.215	2,650,918.354	No	0.162	8.095
	GVF1_111-GVF1_113	GVF1_111	GVF1_113	8.000	223.339	0.017	342,629.059	97,499.483	Free Surface	4.278	0.385	0.314	0.257	0.341	1.725	1,090,421.306	No	0.257	4.278
	GVF1_113-GVF1_114	GVF1_113	GVF1_114	8.000	39.937	0.009	342,629.059	97,499.483	Free Surface	3.461	0.452	0.420	0.301	0.341	1.269	816,534.936	No	0.301	3.461
	GVF1_114-GVF1_115	GVF1_114	GVF1_115	8.000	72.568	0.010	342,629.059	97,499.483	Free Surface	3.568	0.441	0.403	0.294	0.341	1.327	850,846.058	No	0.294	3.568
	GVF1_115-GVF1_116	GVF1_115	GVF1_116	8.000	41.819	0.012	342,629.059	97,499.483	Free Surface	3.857	0.416	0.362	0.277	0.341	1.486	945,977.845	No	0.277	3.857
	GVF1_116-GVF1_117	GVF1_116	GVF1_117	12.000	40.907	0.003	509,166.344	156,098.821	Free Surface	2.553	0.415	0.361	0.415	0.371	0.804	1,410,003.553	No	0.415	2.553
	GVF1_117-ECF1_118	GVF1_117	ECF1_118	12.000	319.483	0.006	671,264.056	216,849.518	Free Surface	3.517	0.402	0.340	0.402	0.428	1.129	1,974,006.450	No	0.402	3.517
	GVF1_36-GVF1_37	GVF1_36	GVF1_37	8.000	227.819	0.009	75,997.411	18,999.353	Free Surface	2.239	0.208	0.095	0.139	0.156	1.267	802,756.597	No	0.139	2.239
	GVF1_37-GVF1_40	GVF1_37	GVF1_40	8.000	112.963	0.007	75,997.411	18,999.353	Free Surface	2.070	0.220	0.106	0.146	0.156	1.137	718,352.275	No	0.146	2.070
	GVF1_40-GVF1_41	GVF1_40	GVF1_41	8.000	79.896	0.009	75,997.411	18,999.353	Free Surface	2.211	0.210	0.096	0.140	0.156	1.244	788,361.419	No	0.140	2.211
	GVF1_41-GVF1_48	GVF1_41	GVF1_48	8.000	248.288	0.014	75,997.411	18,999.353	Free Surface	2.644	0.185	0.075	0.123	0.156	1.590	1,015,806.873	No	0.123	2.644
	GVF1_48-GVF1_50	GVF1_48	GVF1_50	8.000	155.948	0.014	75,997.411	18,999.353	Free Surface	2.633	0.186	0.075	0.124	0.156	1.581	1,009,879.222	No	0.124	2.633
	GVF1_50-GVF1_51	GVF1_50	GVF1_51	8.000	261.911	0.017	75,997.411	18,999.353	Free Surface	2.794	0.178	0.069	0.119	0.156	1.714	1,098,295.807	No	0.119	2.794
	GVF1_51-GVF1_52	GVF1_51	GVF1_52	10.000	141.579	0.004	223,597.727	58,599.338	Free Surface	2.260	0.324	0.227	0.270	0.256	0.899	984,481.446	No	0.270	2.260
	GVF1_52-GVF1_53	GVF1_52	GVF1_53	10.000	86.625	0.005	223,597.727	58,599.338	Free Surface	2.338	0.316	0.217	0.263	0.256	0.943	1,032,056.782	No	0.263	2.338
	GVF1_53-GVF1_56	GVF1_53	GVF1_56	10.000	84.916	0.006	223,597.727	58,599.338	Free Surface	2.628	0.291	0.184	0.242	0.256	1.111	1,215,168.899	No	0.242	2.628
	GVF1_56-GVF1_57	GVF1_56	GVF1_57	10.000	59.986	0.004	223,597.727	58,599.338	Free Surface	2.207	0.330	0.235	0.275	0.256	0.869	952,430.183	No	0.275	2.207
	GVF1_57-GVF1_58	GVF1_57	GVF1_58	10.000	135.171	0.004	223,597.727	58,599.338	Free Surface	2.209	0.329	0.234	0.275	0.256	0.871	954,010.335	No	0.275	2.209
	GVF1_58-GVF1_59	GVF1_58	GVF1_59	10.000	137.845	0.006	223,597.727	58,599.338	Free Surface	2.514	0.300	0.196	0.250	0.256	1.044	1,142,103.592	No	0.250	2.514
	GVF1_59-GVF1_60	GVF1_59	GVF1_60	10.000	183.929	0.005	223,597.727	58,599.338	Free Surface	2.399	0.310	0.209	0.259	0.256	0.978	1,069,948.622	No	0.259	2.399
	GVF1_60-GVF1_61	GVF1_60	GVF1_61	12.000	184.669	0.003	223,597.727	58,599.338	Free Surface	1.875	0.285	0.177	0.285	0.243	0.731	1,261,822.207	No	0.285	1.875
	GVF1_61-GVF1_78	GVF1_61	GVF1_78	12.000	63.774	0.005	223,597.727	58,599.338	Free Surface	2.334	0.244	0.130	0.244	0.243	0.990	1,715,481.944	No	0.244	2.334
	GVF1_78-GVF1_80	GVF1_78	GVF1_80	12.000	209.783	0.002	223,597.727	58,599.338	Free Surface	1.736	0.301	0.197	0.301	0.243	0.656	1,132,388.242	No	0.301	1.736
	GVF1_80-GVF1_90	GVF1_80	GVF1_90	12.000	224.665	0.002	223,597.727	58,599.338	Free Surface	1.761	0.298	0.193	0.298	0.243	0.670	1,156,110.201	No	0.298	1.761
	GVF1_90-GVF1_91	GVF1_90	GVF1_91	12.000	52.638	0.002	223,597.727	58,599.338	Free Surface	1.855	0.287	0.180	0.287	0.243	0.720	1,242,996.882	No	0.287	1.855
	GVF1_91-GVF1_116	GVF1_91	GVF1_116	12.000	200.994	0.018	223,597.727	58,599.338	Free Surface	3.730	0.176	0.067	0.176	0.243	1.883	3,328,739.672	No	0.176	3.730
	GVF1_95-GVF1_96	GVF1_95	GVF1_96	8.000	76.100	0.018	342,629.059	97,499.483	Free Surface	4.438	0.375	0.299	0.250	0.341	1.818	1,146,508.437	No	0.250	4.438
	GVF1_96-GVF1_97	GVF1_96	GVF1_97	8.000	154.304	0.030	342,629.059	97,499.483	Free Surface	5.318	0.328	0.233	0.219	0.341	2.349	1,472,658.535	No	0.219	5.318
	GVF1_97-GVF1_98	GVF1_97	GVF1_98	8.000	114.319	0.033	342,629.059	97,499.483	Free Surface	5.468	0.322	0.224	0.214	0.341	2.442	1,530,300.191	No	0.214	5.468
	GVF1_98-GVF1_99	GVF1_98	GVF1_99	8.000	92.578	0.048	342,629.059	97,499.483	Free Surface	6.273	0.291	0.185	0.194	0.341	2.960	1,853,624.894	No	0.194	6.273
	GVF1_99-GVF1_100	GVF1_99	GVF1_100	8.000	81.192	0.048	342,629.059	97,499.483	Free Surface	6.264	0.292	0.185	0.194	0.341	2.954	1,849,699.823	No	0.194	6.264
	HWY52_10-HWY52_11	HWY52_10	HWY52_11	24.000	846.399	0.004	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	9,841,403.736	No	0.000	0.000
	HWY52_11-HWY52_12	HWY52_11	HWY52_12	24.000	1,011.369	0.004	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	9,862,350.656	No	0.000	0.000
	HWY52_12-TOE_2904	HWY52_12	TOE_2904	36.000	2,039.210	0.001	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	11,264,072.713	Yes	0.496	0.000
	HWY52_1-HWY52_2	HWY52_1	HWY52_2	24.000	1,163.227	0.004	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	9,932,906.547	No	0.000	0.000
	HWY52_2-HWY52_3	HWY52_2	HWY52_3	24.000	395.061	0.005	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	11,186,622.998	No	0.000	0.000
	HWY52_3-HWY52_4	HWY52_3	HWY52_4	24.000	1,124.165	0.005	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	11,407,795.711	No	0.000	0.000
	HWY52_4-HWY52_5	HWY52_4	HWY52_5	24.000	2,511.550	0.004	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	9,951,084.187	No	0.000	0.000
	HWY52_5-HWY52_6	HWY52_5	HWY52_6	24.000	331.960	0.030	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	27,357,606.246	No	0.000	0.000
	HWY52_6-HWY52_7	HWY52_6	HWY52_7	24.000	1,494.240	0.005	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	11,001,508.941	No	0.000	0.000
	HWY52_7-HWY52_8	HWY52_7	HWY52_8	24.000	982.740	0.005	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	11,006,634.371	No	0.000	0.000
	HWY52_8-HWY52_9	HWY52_8	HWY52_9	24.000	1,745.531	0.012	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	17,307,674.328	No	0.000	0.000
	HWY52_9-HWY52_10	HWY52_9	HWY52_10	24.000	691.522	0.004	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	9,682,028.669	No	0.000	0.000
	I25_10-I25_11	I25_10	I25_11	18.000	688.030	0.001	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	2,561,321.452	No	0.000	0.000
	I25_11-I25_12	I25_11	I25_12	18.000	964.920	0.001	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	2,654,227.110	No	0.000	0.000
	I25_12-I25_13	I25_12	I25_13	18.000	199.510	0.001	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	2,557,714.201	No	0.000	0.000
	I25_13-I25_14	I25_13	I25_14	18.000	265.210	0.001	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	2,521,242.547	No	0.000	0.000
	I25_14-I25_15	I25_14	I25_15	18.000	250.010	0.001	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	2,554,527.990	No	0.000	0.000
	I25_15-I25_16	I25_15	I25_16	18.000	1,021.150	0.001	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	2,559,390.262	No	0.000	0.000
	I25_16-I25_17	I25_16	I25_17	18.000	1,355.770	0.001	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	2,549,137.288	No	0.000	0.000
	I25_17-I25_18	I25_17	I25_18	18.000	1,210.030	0.028	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	12,328,705.003	No	0.000	0.000
	I25_18-I25_19	I25_18	I25_19	18.000	615.110	0.023	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	11,243,987.478	No	0.000	0.000
	I25_19-I25_20	I25_19	I25_20	18.000	350.670	0.005	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	4,950,031.529	No	0.000	0.000
	I25_1-I25_2	I25_1	I25_2	8.000	2,762.520	0.010	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	852,383.725	No	0.000	0.000
	I25_20-I25_21	I25_20	I25_21	18.000	1,017.010	0.004	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	4,943,382.511	No	0.000	0.000
	I25_21-I25_22	I25_21	I25_22	18.000	880.208	0.008	0.000	0.000	Free Surface	0.000	0.								

EXISTING PIPE TABLE

	ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (gpd)	Peakable Flow (gpd)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth (ft)	Critical Depth	Froude Number	Full Flow (gpd)	Backwater Adjustment	Adjusted Depth	Adjusted Velocity
	I25_24-I25_25	I25_24	I25_25	24.000	898.605	0.001	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	5,480,374.998	No	0.000	0.000
	I25_25-I25_26	I25_25	I25_26	24.000	876.779	0.001	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	5,496,072.039	No	0.000	0.000
	I25_26-I25_27	I25_26	I25_27	24.000	1,011.620	0.003	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	8,805,912.290	No	0.000	0.000
	I25_27-I25_28	I25_27	I25_28	24.000	817.040	0.002	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	6,850,195.904	No	0.000	0.000
	I25_28-I25_29	I25_28	I25_29	24.000	690.810	0.001	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	6,042,595.868	No	0.000	0.000
	I25_29-I25_30	I25_29	I25_30	24.000	2,626.620	0.007	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	13,386,284.582	No	0.000	0.000
	I25_2-I25_3	I25_2	I25_3	8.000	354.910	0.025	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,350,907.908	No	0.000	0.000
	I25_30-I25_31	I25_30	I25_31	24.000	1,812.250	0.002	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	6,209,171.960	No	0.000	0.000
	I25_31-I25_32	I25_31	I25_32	24.000	395.150	0.002	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	6,240,031.494	No	0.000	0.000
	I25_32-I25_33	I25_32	I25_33	24.000	346.170	0.002	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	6,214,355.271	No	0.000	0.000
	I25_33-I25_34	I25_33	I25_34	24.000	1,017.760	0.002	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	6,217,881.876	No	0.000	0.000
	I25_34-I25_35	I25_34	I25_35	24.000	1,013.810	0.002	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	6,209,983.139	No	0.000	0.000
	I25_35-I25_36	I25_35	I25_36	24.000	1,644.530	0.002	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	7,714,323.017	No	0.000	0.000
	I25_36-HWY52_1	I25_36	HWY52_1	24.000	1,105.630	0.002	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	7,597,281.363	No	0.000	0.000
	I25_3-I25_4	I25_3	I25_4	12.000	302.263	0.003	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,364,818.812	No	0.000	0.000
	I25_4-I25_5	I25_4	I25_5	12.000	198.800	0.010	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	2,445,202.202	No	0.000	0.000
	I25_5-I25_6	I25_5	I25_6	12.000	307.689	0.009	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	2,428,226.428	No	0.000	0.000
	I25_6-I25_7	I25_6	I25_7	12.000	370.130	0.009	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	2,329,279.156	No	0.000	0.000
	I25_7-I25_8	I25_7	I25_8	12.000	300.680	0.009	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	2,321,366.854	No	0.000	0.000
	I25_8-I25_9	I25_8	I25_9	15.000	958.300	0.002	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	2,056,167.396	No	0.000	0.000
	I25_9-I25_10	I25_9	I25_10	15.000	964.580	0.009	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	4,221,921.089	No	0.000	0.000
	KEF1_10-KEF1_1	KEF1_10	KEF1_1	12.000	425.192	0.002	24,001.911	6,000.478	Free Surface	0.833	0.106	0.024	0.106	0.078	0.545	1,014,852.200	Yes	0.261	0.227
	KEF1_1A-KEF1_2A	KEF1_1A	KEF1_2A	12.000	304.802	0.002	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,118,928.838	No	0.000	0.000
	KEF1_1-KEF1_80	KEF1_1	KEF1_80	12.000	111.462	0.002	429,456.762	127,501.872	Free Surface	2.147	0.416	0.363	0.416	0.340	0.675	1,184,548.524	No	0.416	2.147
	KEF1_2A-KEF1_3A	KEF1_2A	KEF1_3A	12.000	190.988	0.002	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,158,870.443	No	0.000	0.000
	KEF1_2-KEF1_1	KEF1_2	KEF1_1	12.000	128.808	0.002	412,505.413	121,501.394	Free Surface	1.953	0.434	0.390	0.434	0.333	0.600	1,056,910.315	No	0.434	1.953
	KEF1_3A-KEF1_4	KEF1_3A	KEF1_4	12.000	265.620	0.002	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,138,143.873	No	0.000	0.000
	KEF1_3-KEF1_2	KEF1_3	KEF1_2	12.000	39.537	0.003	412,505.413	121,501.394	Free Surface	2.442	0.367	0.288	0.367	0.333	0.826	1,434,221.176	Yes	0.400	2.172
	KEF1_4-KEF1_5	KEF1_4	KEF1_5	12.000	97.079	0.002	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,046,665.307	No	0.000	0.000
	KEF1_5-KEF1_6	KEF1_5	KEF1_6	12.000	126.044	0.002	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,134,362.985	No	0.000	0.000
	KEF1_6-KEF1_7	KEF1_6	KEF1_7	12.000	300.782	0.003	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,281,839.995	No	0.000	0.000
	KEF1_7-KEF1_8	KEF1_7	KEF1_8	12.000	129.689	0.001	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	850,629.580	No	0.000	0.000
	KEF1_80-KEF1_81	KEF1_80	KEF1_81	12.000	67.889	0.003	429,456.762	127,501.872	Free Surface	2.235	0.404	0.343	0.404	0.340	0.716	1,251,614.374	No	0.404	2.235
	KEF1_81-KEF1_82	KEF1_81	KEF1_82	12.000	250.893	0.002	429,456.762	127,501.872	Free Surface	2.198	0.409	0.351	0.409	0.340	0.699	1,223,144.117	No	0.409	2.198
	KEF1_82-KEF1_83	KEF1_82	KEF1_83	12.000	254.412	0.002	429,456.762	127,501.872	Free Surface	2.015	0.437	0.395	0.437	0.340	0.616	1,086,419.681	No	0.437	2.015
	KEF1_83-TOE_2859	KEF1_83	TOE_2859	12.000	374.323	0.006	429,456.762	127,501.872	Free Surface	3.151	0.314	0.214	0.314	0.340	1.165	2,011,085.908	No	0.314	3.151
	KEF1_8-KEF1_9	KEF1_8	KEF1_9	12.000	250.713	0.002	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,203,016.022	No	0.000	0.000
	KEF1_9-KEF1_10	KEF1_9	KEF1_10	12.000	123.304	0.003	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,388,512.128	Yes	0.023	0.000
	KFF1_10-KFF1_9	KFF1_10	KFF1_9	12.000	223.577	0.002	225,620.011	59,250.218	Free Surface	1.563	0.327	0.231	0.327	0.244	0.565	975,375.446	No	0.327	1.563
	KFF1_11-KFF1_10	KFF1_11	KFF1_10	12.000	287.986	0.001	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	896,523.512	Yes	0.129	0.000
	KFF1_14-KFF1_11	KFF1_14	KFF1_11	12.000	334.039	0.001	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	957,955.485	No	0.000	0.000
	KFF1_15-KFF1_14	KFF1_15	KFF1_14	12.000	345.637	0.002	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,084,657.167	No	0.000	0.000
	KFF1_16-KFF1_15	KFF1_16	KFF1_15	12.000	234.800	0.002	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,243,115.538	No	0.000	0.000
	KFF1_9-KEF1_3	KFF1_9	KEF1_3	12.000	283.847	0.002	225,620.011	59,250.218	Free Surface	1.694	0.309	0.207	0.309	0.244	0.632	1,090,939.541	No	0.309	1.694
	LCFA_10-LCFA_9	LCFA_10	LCFA_9	8.000	313.750	0.007	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	732,621.515	No	0.000	0.000
	LCFA_11-LCFA_10	LCFA_11	LCFA_10	8.000	349.730	0.007	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	734,256.516	No	0.000	0.000
	LCFA_12-LCFA_11	LCFA_12	LCFA_11	8.000	136.970	0.006	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	644,264.831	No	0.000	0.000
	LCFA_13-LCFA_12	LCFA_13	LCFA_12	8.000	127.450	0.008	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	773,653.723	No	0.000	0.000
	LCFA_14-LCFA_13	LCFA_14	LCFA_13	8.000	231.150	0.007	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	690,180.006	No	0.000	0.000
	LCFA_15-LCFA_14	LCFA_15	LCFA_14	8.000	166.040	0.007	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	699,836.302	No	0.000	0.000
	LCFA_16-LCFA_15	LCFA_16	LCFA_15	8.000	153.370	0.010	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	838,955.698	No	0.000	0.000
	LCFA_17-LCFA_16	LCFA_17	LCFA_16	8.000	253.950	0.034	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,562,036.128	No	0.000	0.000
	LCFA_1-EVF1A1_52	LCFA_1	EVF1A1_52	21.000	283.048	0.002	911,866.884	312,199.082	Free Surface	2.616	0.276	0.166	0.482	0.426	0.785	5,492,249.176	Yes	0.554	2.158
	LCFA_3-LCFA_1	LCFA_3	LCFA_1	8.000	197.180	0.029	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,433,080.656	Yes	0.241	0.000
	LCFA_4-LCFA_3	LCFA_4	LCFA_3	8.000	231.800	0.004	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	519,716.515	No	0.000	0.000
	LCFA_5-LCFA_4	LCFA_5	LCFA_4	8.000	301.080	0.004	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	535,566.343	No	0.000	0.000
	LCFA_6-LCFA_5	LCFA_6	LCFA_5	8.000	162.080	0.005	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	603,400.714	No	0.000	0.000
	LCFA_7-LCFA_6	LCFA_7	LCFA_6	8.000	116.630	0.007	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	702,592.425	No	0.000	0.000
	LCFA_8-LCFA_7																		

EXISTING PIPE TABLE

	ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (gpd)	Peakable Flow (gpd)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth (ft)	Critical Depth	Froude Number	Full Flow (gpd)	Backwater Adjustment	Adjusted Depth	Adjusted Velocity
	LCFA_9-LCFA_8	LCFA_9	LCFA_8	8.000	78.140	0.006	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	636,580.370	No	0.000	0.000
	LCFB_1-LCFA_7	LCFB_1	LCFA_7	8.000	119.310	0.004	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	554,638.832	No	0.000	0.000
	LCFB_2-LCFB_1	LCFB_2	LCFB_1	8.000	129.900	0.006	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	674,009.407	No	0.000	0.000
	LCFB_3-LCFB_2	LCFB_3	LCFB_2	8.000	219.450	0.007	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	710,650.679	No	0.000	0.000
	LCFB_4-LCFB_3	LCFB_4	LCFB_3	8.000	93.380	0.008	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	755,183.569	No	0.000	0.000
	NMS_10-NMS_9	NMS_10	NMS_9	10.000	29.440	0.040	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	3,079,396.698	No	0.000	0.000
	NMS_11-NMS_10	NMS_11	NMS_10	10.000	400.000	0.010	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,538,131.757	No	0.000	0.000
	NMS_12-NMS_11	NMS_12	NMS_11	10.000	400.000	0.008	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,375,746.867	No	0.000	0.000
	NMS_13-NMS_12	NMS_13	NMS_12	10.000	400.000	0.008	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,375,746.867	No	0.000	0.000
	NMS_14-NMS_13	NMS_14	NMS_13	10.000	89.260	0.009	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,456,163.333	No	0.000	0.000
	NMS_15-NMS_14	NMS_15	NMS_14	10.000	119.200	0.010	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,543,284.642	No	0.000	0.000
	NMS_16-NMS_15	NMS_16	NMS_15	10.000	374.790	0.007	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,286,027.298	No	0.000	0.000
	NMS_17-NMS_16	NMS_17	NMS_16	10.000	332.270	0.020	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	2,175,999.523	No	0.000	0.000
	NMS_18-NMS_17	NMS_18	NMS_17	10.000	332.270	0.033	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	2,793,529.425	No	0.000	0.000
	NMS_19-NMS_18	NMS_19	NMS_18	10.000	104.120	0.030	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	2,662,586.687	No	0.000	0.000
	NMS_1-FMF9_1	NMS_1	FMF9_1	10.000	114.510	0.060	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	3,767,473.447	No	0.000	0.000
	NMS_20-NMS_19	NMS_20	NMS_19	10.000	98.110	0.010	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,537,269.246	No	0.000	0.000
	NMS_2-NMS_1	NMS_2	NMS_1	10.000	87.230	0.040	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	3,076,616.155	No	0.000	0.000
	NMS_3-NMS_2	NMS_3	NMS_2	10.000	113.730	0.010	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,539,956.471	No	0.000	0.000
	NMS_4-NMS_3	NMS_4	NMS_3	10.000	270.690	0.010	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,536,170.126	No	0.000	0.000
	NMS_5-NMS_4	NMS_5	NMS_4	10.000	55.800	0.030	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	2,668,892.495	No	0.000	0.000
	NMS_6-NMS_5	NMS_6	NMS_5	10.000	56.570	0.030	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	2,666,397.603	No	0.000	0.000
	NMS_7-NMS_6	NMS_7	NMS_6	10.000	55.470	0.030	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	2,660,838.404	No	0.000	0.000
	NMS_8-NMS_7	NMS_8	NMS_7	10.000	400.000	0.010	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,538,131.757	No	0.000	0.000
	NMS_9-NMS_8	NMS_9	NMS_8	10.000	400.000	0.008	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,413,910.415	No	0.000	0.000
	OGF1_17-OGF1_18	OGF1_17	OGF1_18	10.000	85.519	0.016	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,932,538.745	No	0.000	0.000
	OGF1_18-OGF1_25	OGF1_18	OGF1_25	10.000	68.819	0.014	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,816,667.672	No	0.000	0.000
	OGF1_1-OGF1_2	OGF1_1	OGF1_2	10.000	389.725	0.011	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,579,556.344	No	0.000	0.000
	OGF1_25-OGF1_75	OGF1_25	OGF1_75	10.000	202.386	0.005	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,123,609.766	No	0.000	0.000
	OGF1_2-OGF1_3	OGF1_2	OGF1_3	10.000	76.361	0.005	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,099,236.929	No	0.000	0.000
	OGF1_3-OGF1_4	OGF1_3	OGF1_4	10.000	302.094	0.018	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	2,048,825.511	No	0.000	0.000
	OGF1_4-OGF1_5	OGF1_4	OGF1_5	10.000	93.410	0.011	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,583,489.455	No	0.000	0.000
	OGF1_5-OGF1_17	OGF1_5	OGF1_17	10.000	49.146	0.013	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,741,483.745	No	0.000	0.000
	OGF1_69-OGF1_70	OGF1_69	OGF1_70	10.000	90.809	0.005	189,599.821	49,150.061	Free Surface	2.291	0.285	0.177	0.237	0.235	0.979	1,070,666.651	No	0.237	2.291
	OGF1_70-OGF1_71	OGF1_70	OGF1_71	10.000	96.964	0.005	189,599.821	49,150.061	Free Surface	2.256	0.288	0.181	0.240	0.235	0.958	1,047,841.622	No	0.240	2.256
	OGF1_71-OGF1_72	OGF1_71	OGF1_72	10.000	93.080	0.002	189,599.821	49,150.061	Free Surface	1.503	0.387	0.318	0.323	0.235	0.540	596,524.643	No	0.323	1.503
	OGF1_72-OGF1_73	OGF1_72	OGF1_73	10.000	85.671	0.009	189,599.821	49,150.061	Free Surface	2.842	0.244	0.131	0.204	0.235	1.319	1,448,715.520	Yes	0.223	2.497
	OGF1_73-OGF1_74	OGF1_73	OGF1_74	10.000	191.425	0.004	189,599.821	49,150.061	Free Surface	2.220	0.291	0.185	0.243	0.235	0.937	1,024,951.498	No	0.243	2.220
	OGF1_74-OGF1_75	OGF1_74	OGF1_75	10.000	100.813	0.009	189,599.821	49,150.061	Free Surface	2.848	0.244	0.130	0.203	0.235	1.323	1,453,305.584	Yes	0.214	2.641
	OGF1_75-TOE_2622	OGF1_75	TOE_2622	10.000	194.676	0.006	189,599.821	49,150.061	Free Surface	2.459	0.271	0.160	0.226	0.235	1.080	1,182,188.388	No	0.226	2.459
	OGF2_29-OGF2_31	OGF2_29	OGF2_31	8.000	229.146	0.011	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	884,315.641	No	0.000	0.000
	OGF2_31-OGF2_32	OGF2_31	OGF2_32	8.000	236.759	0.022	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,260,843.418	No	0.000	0.000
	OGF2_32-OGF2_33	OGF2_32	OGF2_33	8.000	236.902	0.020	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,207,535.197	No	0.000	0.000
	OGF2_33-OGF2_34	OGF2_33	OGF2_34	8.000	190.439	0.009	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	803,865.810	No	0.000	0.000
	OGF2_34-OGF2_46	OGF2_34	OGF2_46	8.000	282.567	0.009	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	805,885.247	No	0.000	0.000
	OGF2_46-OGF2_49	OGF2_46	OGF2_49	8.000	124.327	0.015	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,029,214.197	No	0.000	0.000
	OGF2_49-OGF2_50	OGF2_49	OGF2_50	8.000	119.294	0.011	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	871,847.331	No	0.000	0.000
	OGF2_50-OGF2_65	OGF2_50	OGF2_65	8.000	185.079	0.002	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	404,119.324	Yes	0.113	0.000
	OGF2_65-OGF2_68	OGF2_65	OGF2_68	10.000	168.652	0.003	189,599.821	49,150.061	Free Surface	1.864	0.331	0.236	0.276	0.235	0.733	803,297.351	No	0.276	1.864
	OGF2_68-OGF1_69	OGF2_68	OGF1_69	10.000	289.307	0.010	189,599.821	49,150.061	Free Surface	2.949	0.238	0.124	0.198	0.235	1.389	1,526,638.745	Yes	0.218	2.584
	OTF1_101-OTF1_102	OTF1_101	OTF1_102	12.000	360.260	0.003	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,263,957.034	No	0.000	0.000
	OTF1_102-OTF1_103	OTF1_102	OTF1_103	12.000	415.146	0.001	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	776,382.060	Yes	0.264	0.000
	OTF1_103-TOE_2798	OTF1_103	TOE_2798	12.000	319.000	0.007	487,761.201	148,275.304	Free Surface	3.423	0.324	0.227	0.324	0.363	1.243	2,146,766.242	No	0.324	3.423
	OTF1_108-TOE_3005	OTF1_108	TOE_3005	16.000	25.799	0.261	582,537.116	183,190.971	Free Surface	12.282	0.101	0.021	0.134	0.366	7.157	27,512,267.951	Yes	0.342	3.190
	OTF1_30-OTF1_37	OTF1_30	OTF1_37	8.000	188.540	0.004	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	505,707.818	No	0.000	0.000
	OTF1_37-OTF1_43	OTF1_37	OTF1_43	8.000	385.010	0.004	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	567,011.375	Yes	0.146	0.000
	OTF1_43-OTF1_44	OTF1_43	OTF1_44	8.000	466.022	0.004	208,978.954	54,450.699	Free Surface	2.206	0.437	0.395	0.291	0.264	0.826	528,688.388	Yes	0.296	2.161
	OTF1_44-OTF1_65	OTF1_44	OTF1_65	8.000	469.331	0.003	208,978.954	54,450.699	Free Surface	2.117	0.451	0.418	0.301	0.264	0.777	499,939.787	No	0.301	2.117
	OTF1_46-OTF1_47																		

EXISTING PIPE TABLE

	ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (gpd)	Peakable Flow (gpd)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth (ft)	Critical Depth	Froude Number	Full Flow (gpd)	Backwater Adjustment	Adjusted Depth	Adjusted Velocity
	OTF1_47-OTF1_48	OTF1_47	OTF1_48	10.000	474.640	0.004	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	978,277.047	No	0.000	0.000
	OTF1_48-OTF1_62	OTF1_48	OTF1_62	10.000	436.432	0.003	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	842,696.068	Yes	0.106	0.000
	OTF1_60A-OTF1_61A	OTF1_60A	OTF1_61A	24.000	31.746	0.004	936,336.347	322,198.439	Free Surface	3.038	0.209	0.096	0.418	0.416	0.989	9,764,428.122	No	0.418	3.038
	OTF1_61A-TOE_2825	OTF1_61A	TOE_2825	24.000	191.263	0.005	936,336.347	322,198.439	Free Surface	3.243	0.200	0.087	0.400	0.416	1.081	10,711,431.840	No	0.400	3.243
	OTF1_62-OTF1_64	OTF1_62	OTF1_64	10.000	483.405	0.003	109,998.679	27,499.670	Free Surface	1.558	0.254	0.142	0.212	0.178	0.707	775,872.865	No	0.212	1.558
	OTF1_64-OTF1_82	OTF1_64	OTF1_82	10.000	469.703	0.003	109,998.679	27,499.670	Free Surface	1.614	0.248	0.135	0.207	0.178	0.743	815,396.316	Yes	0.208	1.597
	OTF1_65-OTF1_80	OTF1_65	OTF1_80	8.000	484.534	0.004	208,978.954	54,450.699	Free Surface	2.268	0.428	0.381	0.285	0.264	0.860	549,097.814	Yes	0.286	2.258
	OTF1_80-OTF1_96	OTF1_80	OTF1_96	8.000	428.652	0.004	208,978.954	54,450.699	Free Surface	2.247	0.431	0.386	0.287	0.264	0.848	542,038.596	No	0.287	2.247
	OTF1_82-OTF1_87	OTF1_82	OTF1_87	10.000	444.471	0.003	109,998.679	27,499.670	Free Surface	1.581	0.252	0.139	0.210	0.178	0.722	792,524.443	Yes	0.238	1.323
	OTF1_87-OTF1_96	OTF1_87	OTF1_96	10.000	387.699	0.003	185,761.900	48,100.302	Free Surface	1.910	0.320	0.222	0.267	0.232	0.765	837,713.068	No	0.267	1.910
	OTF1_88-OTF1_89	OTF1_88	OTF1_89	8.000	321.471	0.015	66,798.695	16,699.674	Free Surface	2.602	0.171	0.064	0.114	0.146	1.631	1,048,414.908	Yes	0.667	0.296
	OTF1_89-OTF1_90	OTF1_89	OTF1_90	8.000	329.236	-0.007	66,798.695	16,699.674	Pressurized	0.296	1.000		0.667	0.000	0.064		No	0.667	0.296
	OTF1_90-OTF1_92	OTF1_90	OTF1_92	8.000	164.601	0.004	66,798.695	16,699.674	Free Surface	1.657	0.235	0.121	0.156	0.146	0.878	553,217.651	No	0.156	1.657
	OTF1_92-OTF1_93	OTF1_92	OTF1_93	8.000	20.322	0.005	66,798.695	16,699.674	Free Surface	1.745	0.226	0.112	0.151	0.146	0.943	595,084.768	No	0.151	1.745
	OTF1_93-OTF1_94	OTF1_93	OTF1_94	8.000	373.404	0.008	66,798.695	16,699.674	Free Surface	2.058	0.201	0.089	0.134	0.146	1.183	751,463.852	No	0.134	2.058
	OTF1_94-OTF1_95	OTF1_94	OTF1_95	8.000	179.276	0.023	66,798.695	16,699.674	Free Surface	2.991	0.155	0.052	0.104	0.146	1.971	1,278,202.011	Yes	0.184	1.321
	OTF1_95-OTF1_96	OTF1_95	OTF1_96	8.000	386.157	0.004	177,075.247	45,724.303	Free Surface	2.131	0.396	0.331	0.264	0.242	0.846	535,724.847	No	0.264	2.131
	OTF1_96-OTF1_97	OTF1_96	OTF1_97	12.000	9.000	0.033	487,761.201	148,275.304	Free Surface	5.864	0.221	0.107	0.221	0.363	2.623	4,566,521.855	No	0.221	5.864
	OTF1_97-OTF1_98	OTF1_97	OTF1_98	12.000	180.000	0.006	487,761.201	148,275.304	Free Surface	3.114	0.347	0.259	0.347	0.363	1.088	1,882,825.195	No	0.347	3.114
	OTF1_98-OTF1_103	OTF1_98	OTF1_103	12.000	300.000	0.007	487,761.201	148,275.304	Free Surface	3.423	0.324	0.227	0.324	0.363	1.243	2,146,751.017	No	0.324	3.423
	RMF1_114-RMF1_118	RMF1_114	RMF1_118	12.000	321.098	0.027	456,289.280	137,000.108	Free Surface	5.348	0.225	0.111	0.225	0.350	2.370	4,121,788.264	No	0.225	5.348
	RMF1_118-AIF1_119	RMF1_118	AIF1_119	12.000	371.334	0.005	456,289.280	137,000.108	Free Surface	2.968	0.342	0.252	0.342	0.350	1.045	1,807,858.922	No	0.342	2.968
	SCC_01	SCC_21	TOE_2948	15.000	100.000	0.002	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	2,028,108.090	Yes	0.065	0.000
	SCC_10	SCC_12	SCC_13	15.000	375.000	0.002	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	2,028,108.090	No	0.000	0.000
	SCC_11	SCC_11A	SCC_12	15.000	145.690	0.002	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	2,023,299.745	No	0.000	0.000
	SCC_12	SCC_11	SCC_11A	12.000	356.110	0.023	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	3,765,224.279	No	0.000	0.000
	SCC_13	SCC_10	SCC_11	12.000	490.000	0.004	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,541,006.959	No	0.000	0.000
	SCC_14	SCC_09	SCC_10	12.000	100.000	0.009	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	2,372,834.360	No	0.000	0.000
	SCC_15	SCC_08	SCC_09	12.000	413.000	0.010	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	2,537,263.705	No	0.000	0.000
	SCC_16	SCC_07	SCC_08	12.000	412.000	0.008	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	2,166,091.507	No	0.000	0.000
	SCC_17	SCC_06	SCC_07	10.000	375.000	0.007	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,307,562.782	No	0.000	0.000
	SCC_18	SCC_05	SCC_06	10.000	150.000	0.007	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,274,578.305	No	0.000	0.000
	SCC_19	SCC_04	SCC_05	10.000	200.000	0.007	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,286,893.357	No	0.000	0.000
	SCC_2	SCC_20	SCC_21	15.000	225.000	0.002	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	2,028,108.090	No	0.000	0.000
	SCC_20	SCC_03	SCC_04	10.000	220.000	0.007	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,307,617.610	No	0.000	0.000
	SCC_21	SCC_02	SCC_03	10.000	577.000	0.007	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,329,365.083	No	0.000	0.000
	SCC_22	SCC_01	SCC_02	8.000	443.000	0.011	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	901,253.048	No	0.000	0.000
	SCC_3	SCC_19	SCC_20	15.000	415.000	0.002	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	2,028,108.090	No	0.000	0.000
	SCC_4	SCC_18	SCC_19	15.000	485.000	0.002	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	2,017,626.841	No	0.000	0.000
	SCC_5	SCC_17	SCC_18	15.000	275.000	0.002	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	2,028,108.090	No	0.000	0.000
	SCC_6	SCC_16	SCC_17	15.000	513.000	0.002	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	2,032,057.671	No	0.000	0.000
	SCC_7	SCC_15	SCC_16	15.000	512.000	0.002	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	2,024,143.065	No	0.000	0.000
	SCC_8	SCC_14	SCC_15	15.000	500.000	0.002	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	2,028,108.090	No	0.000	0.000
	SCC_9	SCC_13	SCC_14	15.000	500.000	0.002	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	2,017,942.070	No	0.000	0.000
	SUN_10-SUN_11	SUN_10	SUN_11	8.000	402.750	0.024	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,321,950.703	No	0.000	0.000
	SUN_11-SUN_12	SUN_11	SUN_12	8.000	319.400	0.053	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,951,946.703	No	0.000	0.000
	SUN_12-SUN_13	SUN_12	SUN_13	8.000	400.080	0.004	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	561,059.875	No	0.000	0.000
	SUN_13-SUN_14	SUN_13	SUN_14	8.000	338.740	0.010	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	848,653.125	No	0.000	0.000
	SUN_14-SUN_15	SUN_14	SUN_15	8.000	319.320	0.023	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,294,902.337	No	0.000	0.000
	SUN_15-ECF1_44	SUN_15	ECF1_44	8.000	698.510	0.004	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	512,563.154	Yes	0.300	0.000
	SUN_1-SUN_2	SUN_1	SUN_2	8.000	388.620	0.017	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,112,216.324	No	0.000	0.000
	SUN_2-SUN_3	SUN_2	SUN_3	8.000	390.550	0.015	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,035,587.450	No	0.000	0.000
	SUN_3-SUN_4	SUN_3	SUN_4	8.000	397.140	0.008	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	755,521.919	No	0.000	0.000
	SUN_4-SUN_5	SUN_4	SUN_5	8.000	184.760	0.006	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	666,364.813	No	0.000	0.000
	SUN_5-SUN_6	SUN_5	SUN_6	8.000	334.880	0.005	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	577,144.885	No	0.000	0.000
	SUN_6-SUN_7	SUN_6	SUN_7	8.000	247.010	0.005	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	578,835.635	No	0.000	0.000
	SUN_7-SUN_8	SUN_7	SUN_8	8.000	269.850	0.005	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	577,374.239	No	0.000	0.000
	SUN_8-SUN_9	SUN_8	SUN_9	8.000	274.930	0.022	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,255,309.417	No	0.000	0.000
	SUN_9-SUN_10	SUN_9	SUN_10	8.000	373.700	0.020	0.000	0.											

EXISTING PIPE TABLE

	ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (gpd)	Peakable Flow (gpd)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth (ft)	Critical Depth	Froude Number	Full Flow (gpd)	Backwater Adjustment	Adjusted Depth	Adjusted Velocity
	TOE_2576-TOE_2577	TOE_2576	TOE_2577	18.000	282.794	0.005	134,026.302	33,949.427	Free Surface	1.990	0.109	0.025	0.163	0.167	1.051	5,370,802.322	No	0.163	1.990
	TOE_2577-TOE_2578	TOE_2577	TOE_2578	18.000	270.433	0.015	134,026.302	33,949.427	Free Surface	2.845	0.085	0.015	0.128	0.167	1.700	8,957,466.948	No	0.128	2.845
	TOE_2578-TOE_2579	TOE_2578	TOE_2579	18.000	293.969	0.015	134,026.302	33,949.427	Free Surface	2.841	0.085	0.015	0.128	0.167	1.697	8,939,632.045	No	0.128	2.841
	TOE_2579-TOE_2981	TOE_2579	TOE_2981	18.000	91.682	0.009	134,026.302	33,949.427	Free Surface	2.395	0.096	0.019	0.144	0.167	1.348	6,999,656.252	No	0.144	2.395
	TOE_2580-TOE_2978	TOE_2580	TOE_2978	18.000	103.702	0.005	134,026.302	33,949.427	Free Surface	1.884	0.113	0.027	0.170	0.167	0.975	4,964,591.669	Yes	0.190	1.599
	TOE_2581-TOE_2979	TOE_2581	TOE_2979	18.000	84.929	0.004	237,892.408	63,200.136	Free Surface	2.227	0.149	0.048	0.224	0.224	0.998	4,932,785.490	No	0.224	2.227
	TOE_2582-TOE_2980	TOE_2582	TOE_2980	18.000	25.848	0.005	237,892.408	63,200.136	Free Surface	2.256	0.148	0.047	0.222	0.224	1.016	5,024,681.737	Yes	0.225	2.217
	TOE_2583-TOE_2584	TOE_2583	TOE_2584	18.000	397.733	0.004	237,892.408	63,200.136	Free Surface	2.097	0.156	0.053	0.234	0.224	0.920	4,528,752.063	No	0.234	2.097
	TOE_2584-CHF3A_15	TOE_2584	CHF3A_15	18.000	394.000	0.004	237,892.408	63,200.136	Free Surface	2.143	0.153	0.051	0.230	0.224	0.947	4,669,916.990	No	0.230	2.143
	TOE_2585-CHF1A_C1	TOE_2585	CHF1A_C1	18.000	230.196	0.010	309,352.386	86,199.808	Free Surface	3.240	0.138	0.041	0.207	0.256	1.512	7,529,828.380	No	0.207	3.240
	TOE_2586-TOE_2587	TOE_2586	TOE_2587	18.000	230.190	0.008	518,334.348	159,449.700	Free Surface	3.446	0.189	0.078	0.284	0.333	1.365	6,611,064.070	No	0.284	3.446
	TOE_2587-TOE_2588	TOE_2587	TOE_2588	18.000	93.140	0.020	518,334.348	159,449.700	Free Surface	4.774	0.151	0.049	0.227	0.333	2.128	10,504,890.108	No	0.227	4.774
	TOE_2588-TOE_2589	TOE_2588	TOE_2589	18.000	492.495	0.024	518,334.348	159,449.700	Free Surface	5.097	0.144	0.045	0.217	0.333	2.325	11,530,311.680	No	0.217	5.097
	TOE_2589-TOE_2590	TOE_2589	TOE_2590	18.000	115.180	0.023	623,844.789	198,699.765	Free Surface	5.273	0.160	0.056	0.241	0.366	2.278	11,185,690.250	No	0.241	5.273
	TOE_2590-TOE_2591	TOE_2590	TOE_2591	18.000	23.959	0.061	623,844.789	198,699.765	Free Surface	7.438	0.127	0.034	0.190	0.366	3.634	18,266,219.977	Yes	0.432	2.291
	TOE_2591-TOE_2743	TOE_2591	TOE_2743	30.000	231.417	0.003	4,228,768.253	1,939,025.510	Free Surface	3.997	0.368	0.288	0.919	0.847	0.855	14,662,594.587	No	0.919	3.997
	TOE_2592-TOE_2593	TOE_2592	TOE_2593	8.000	52.704	0.006	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	650,612.893	No	0.000	0.000
	TOE_2593-GVF1_95	TOE_2593	GVF1_95	8.000	189.327	0.015	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,044,475.552	Yes	0.025	0.000
	TOE_2594-TOE_2595	TOE_2594	TOE_2595	15.000	178.668	0.003	671,264.056	216,849.518	Free Surface	2.703	0.351	0.264	0.439	0.401	0.839	2,538,906.603	No	0.439	2.703
	TOE_2595-TOE_2596	TOE_2595	TOE_2596	15.000	210.662	0.002	671,264.056	216,849.518	Free Surface	2.293	0.396	0.332	0.496	0.401	0.664	2,024,920.664	No	0.496	2.293
	TOE_2596-TOE_2597	TOE_2596	TOE_2597	30.000	111.976	0.003	671,264.056	216,849.518	Free Surface	2.317	0.147	0.047	0.367	0.331	0.811	14,399,580.685	No	0.367	2.317
	TOE_2597-TOE_2598	TOE_2597	TOE_2598	30.000	103.462	0.001	671,264.056	216,849.518	Free Surface	1.913	0.168	0.061	0.419	0.331	0.625	10,964,496.126	No	0.419	1.913
	TOE_2598-TOE_2591	TOE_2598	TOE_2591	15.000	231.956	0.022	671,264.056	216,849.518	Free Surface	5.418	0.213	0.100	0.267	0.401	2.207	6,724,468.009	No	0.267	5.418
	TOE_2609-TOE_2747	TOE_2609	TOE_2747	18.000	443.041	0.002	908,234.171	310,725.963	Free Surface	2.469	0.358	0.275	0.537	0.444	0.692	3,305,231.616	No	0.537	2.469
	TOE_2610-TOE_2609	TOE_2610	TOE_2609	18.000	80.972	0.012	908,234.171	310,725.963	Free Surface	4.728	0.225	0.111	0.337	0.444	1.710	8,195,229.564	Yes	0.362	4.270
	TOE_2612-TOE_2610	TOE_2612	TOE_2610	18.000	148.443	0.013	908,234.171	310,725.963	Free Surface	4.841	0.221	0.107	0.332	0.444	1.767	8,473,788.030	No	0.332	4.841
	TOE_2615-TOE_2619	TOE_2615	TOE_2619	30.000	285.463	0.002	4,318,819.601	1,988,274.931	Free Surface	3.484	0.414	0.358	1.034	0.857	0.696	12,051,538.778	No	1.034	3.484
	TOE_2619-TOE_2994	TOE_2619	TOE_2994	30.000	191.828	0.002	4,318,819.601	1,988,274.931	Free Surface	3.892	0.381	0.308	0.952	0.857	0.816	14,024,341.801	No	0.952	3.892
	TOE_2620-TOE_2989	TOE_2620	TOE_2989	12.000	238.521	0.004	189,599.821	49,150.061	Free Surface	2.166	0.229	0.115	0.229	0.223	0.951	1,651,578.715	Yes	0.230	2.152
	TOE_2621-TOE_2620	TOE_2621	TOE_2620	12.000	178.316	0.015	189,599.821	49,150.061	Free Surface	3.313	0.170	0.063	0.170	0.223	1.701	3,014,402.982	Yes	0.199	2.635
	TOE_2622-TOE_2621	TOE_2622	TOE_2621	12.000	277.449	0.005	189,599.821	49,150.061	Free Surface	2.343	0.216	0.103	0.216	0.223	1.059	1,845,198.621	No	0.216	2.343
	TOE_2623-TOE_2622	TOE_2623	TOE_2622	10.000	399.765	0.025	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	2,444,846.898	No	0.000	0.000
	TOE_2624-TOE_2623	TOE_2624	TOE_2623	10.000	400.696	0.026	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	2,458,872.660	No	0.000	0.000
	TOE_2625-TOE_2624	TOE_2625	TOE_2624	10.000	334.859	0.016	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,951,446.396	No	0.000	0.000
	TOE_2626-OGF2_29	TOE_2626	OGF2_29	8.000	159.127	0.030	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,465,679.145	No	0.000	0.000
	TOE_2628-CSF1_C3A	TOE_2628	CSF1_C3A	18.000	133.826	0.004	863,661.534	292,651.090	Free Surface	3.022	0.298	0.194	0.447	0.433	0.938	4,462,273.317	No	0.447	3.022
	TOE_2629-TOE_2628	TOE_2629	TOE_2628	15.000	253.572	0.006	863,661.534	292,651.090	Free Surface	3.681	0.337	0.244	0.421	0.457	1.170	3,534,157.522	No	0.421	3.681
	TOE_2630-TOE_2984	TOE_2630	TOE_2984	15.000	284.795	0.002	863,661.534	292,651.090	Free Surface	2.620	0.433	0.390	0.542	0.457	0.720	2,215,971.138	No	0.542	2.620
	TOE_2631-TOE_2630	TOE_2631	TOE_2630	15.000	274.927	0.006	863,661.534	292,651.090	Free Surface	3.640	0.339	0.248	0.424	0.457	1.152	3,481,166.216	Yes	0.433	3.540
	TOE_2635-TOE_2636	TOE_2635	TOE_2636	10.000	403.088	0.002	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	718,678.955	No	0.000	0.000
	TOE_2636-TOE_2639	TOE_2636	TOE_2639	10.000	391.446	0.001	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	532,974.852	Yes	0.101	0.000
	TOE_2637-TOE_2638	TOE_2637	TOE_2638	12.000	41.365	0.025	456,289.280	137,000.108	Free Surface	5.222	0.228	0.115	0.228	0.350	2.293	3,984,985.969	No	0.228	5.222
	TOE_2638-TOE_2639	TOE_2638	TOE_2639	12.000	49.033	0.014	456,289.280	137,000.108	Free Surface	4.256	0.264	0.153	0.264	0.350	1.729	2,988,489.806	No	0.264	4.256
	TOE_2639-RMF1_114	TOE_2639	RMF1_114	12.000	110.713	0.013	456,289.280	137,000.108	Free Surface	4.065	0.273	0.163	0.273	0.350	1.623	2,802,550.445	No	0.273	4.065
	TOE_2640-TOE_2637	TOE_2640	TOE_2637	12.000	271.203	0.018	456,289.280	137,000.108	Free Surface	4.595	0.250	0.137	0.250	0.350	1.922	3,327,509.254	Yes	0.414	2.296
	TOE_2646-ARF1_37	TOE_2646	ARF1_37	8.000	44.839	0.002	225,620.011	59,250.218	Free Surface	1.594	0.601	0.673	0.400	0.274	0.485	335,186.855	No	0.400	1.594
	TOE_2647-TOE_2646	TOE_2647	TOE_2646	8.000	316.906	0.005	225,620.011	59,250.218	Free Surface	2.456	0.427	0.379	0.285	0.274	0.932	595,196.711	No	0.285	2.456
	TOE_2648-TOE_2650	TOE_2648	TOE_2650	15.000	410.019	0.004	581,294.434	182,724.411	Free Surface	2.705	0.316	0.216	0.395	0.372	0.891	2,687,541.477	No	0.395	2.705
	TOE_2649-TOE_2648	TOE_2649	TOE_2648	15.000	133.522	0.004	581,294.434	182,724.411	Free Surface	2.727	0.314	0.214	0.392	0.372	0.902	2,719,066.029	No	0.392	2.727
	TOE_2650-TOE_2656	TOE_2650	TOE_2656	15.000	392.350	0.018	613,255.143	194,723.927	Free Surface	4.931	0.214	0.100	0.267	0.382	2.006	6,109,130.732	No	0.267	4.931
	TOE_2651-TOE_2652	TOE_2651	TOE_2652	15.000	16.899	0.004	613,255.143	194,723.927	Free Surface	2.914	0.311	0.210	0.389	0.382	0.968	2,918,726.550	Yes	0.396	2.839
	TOE_2652-TOE_2653	TOE_2652	TOE_2653	15.000	381.367	0.004	613,255.143	194,723.927	Free Surface	2.768	0.323	0.226	0.404	0.382	0.901	2,718,097.714	No	0.404	2.768
	TOE_2653-TOE_2654	TOE_2653	TOE_2654	15.000	404.066	0.004	613,255.143	194,723.927	Free Surface	2.760	0.324	0.227	0.404	0.382	0.897	2,707,267.370	No	0.404	2.760
	TOE_2654-TOE_2655	TOE_2654	TOE_2655	15.000	378.306	0.010	682,977.552	221,349.517	Free Surface	4.188	0.259	0.147	0.324	0.404	1.538	4,645,683.290	No		

EXISTING PIPE TABLE

	ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (gpd)	Peakable Flow (gpd)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth (ft)	Critical Depth	Froude Number	Full Flow (gpd)	Backwater Adjustment	Adjusted Depth	Adjusted Velocity
	TOE_2661-TOE_2663	TOE_2661	TOE_2663	8.000	87.840	0.010	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	861,076.924	No	0.000	0.000
	TOE_2662-TOE_2664	TOE_2662	TOE_2664	15.000	222.875	0.012	581,294.434	182,724.411	Free Surface	4.186	0.231	0.117	0.289	0.372	1.634	4,956,574.417	Yes	0.339	3.344
	TOE_2663-ECF4_135	TOE_2663	ECF4_135	8.000	379.848	0.013	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	983,940.543	Yes	0.128	0.000
	TOE_2664-TOE_2649	TOE_2664	TOE_2649	15.000	258.002	0.004	581,294.434	182,724.411	Free Surface	2.761	0.311	0.210	0.389	0.372	0.917	2,766,306.867	Yes	0.391	2.744
	TOE_2673-VRF1D_702	TOE_2673	VRF1D_702	10.000	248.890	0.016	499,387.665	152,524.743	Free Surface	4.570	0.348	0.261	0.290	0.388	1.745	1,915,504.132	No	0.290	4.570
	TOE_2710-TOE_2712	TOE_2710	TOE_2712	10.000	172.785	0.004	574,705.150	180,250.492	Free Surface	2.888	0.551	0.587	0.459	0.418	0.835	979,015.931	No	0.459	2.888
	TOE_2711-TOE_2715	TOE_2711	TOE_2715	10.000	182.798	0.005	574,705.150	180,250.492	Free Surface	3.211	0.506	0.510	0.422	0.418	0.982	1,126,213.727	Yes	0.432	3.118
	TOE_2712-TOE_2713	TOE_2712	TOE_2713	10.000	121.612	0.004	574,705.150	180,250.492	Free Surface	2.813	0.563	0.608	0.469	0.418	0.802	945,986.116	No	0.469	2.813
	TOE_2713-TOE_2714	TOE_2713	TOE_2714	10.000	90.763	0.004	574,705.150	180,250.492	Free Surface	2.865	0.554	0.593	0.462	0.418	0.825	968,703.910	No	0.462	2.865
	TOE_2714-TOE_2711	TOE_2714	TOE_2711	10.000	315.857	0.004	574,705.150	180,250.492	Free Surface	2.862	0.555	0.594	0.462	0.418	0.824	967,616.016	No	0.462	2.862
	TOE_2715-TOE_2716	TOE_2715	TOE_2716	10.000	176.202	0.003	574,705.150	180,250.492	Free Surface	2.476	0.626	0.716	0.522	0.418	0.654	802,803.628	No	0.522	2.476
	TOE_2716-TOE_2717	TOE_2716	TOE_2717	10.000	105.642	0.004	574,705.150	180,250.492	Free Surface	2.787	0.567	0.615	0.472	0.418	0.790	934,562.798	No	0.472	2.787
	TOE_2717-TOE_2718	TOE_2717	TOE_2718	10.000	389.846	0.017	574,705.150	180,250.492	Free Surface	4.901	0.367	0.287	0.306	0.418	1.817	1,999,814.376	Yes	0.321	4.598
	TOE_2718-TOE_2719	TOE_2718	TOE_2719	10.000	404.424	0.004	574,705.150	180,250.492	Free Surface	2.916	0.547	0.580	0.455	0.418	0.848	991,356.795	No	0.455	2.916
	TOE_2719-TOE_2720	TOE_2719	TOE_2720	10.000	399.685	0.009	574,705.150	180,250.492	Free Surface	3.878	0.437	0.396	0.364	0.418	1.298	1,451,641.644	No	0.364	3.878
	TOE_2720-TOE_2721	TOE_2720	TOE_2721	10.000	400.184	0.004	574,705.150	180,250.492	Free Surface	2.907	0.548	0.582	0.456	0.418	0.844	987,655.294	No	0.456	2.907
	TOE_2721-TOE_2722	TOE_2721	TOE_2722	10.000	267.435	0.026	574,705.150	180,250.492	Free Surface	5.692	0.329	0.234	0.274	0.418	2.246	2,459,871.545	No	0.274	5.692
	TOE_2722-TOE_2723	TOE_2722	TOE_2723	10.000	130.770	0.025	574,705.150	180,250.492	Free Surface	5.652	0.331	0.236	0.275	0.418	2.224	2,435,995.502	No	0.275	5.652
	TOE_2723-TOE_2724	TOE_2723	TOE_2724	10.000	402.800	0.029	574,705.150	180,250.492	Free Surface	5.925	0.319	0.221	0.266	0.418	2.376	2,601,206.353	No	0.266	5.925
	TOE_2724-TOE_2725	TOE_2724	TOE_2725	10.000	396.385	0.007	574,705.150	180,250.492	Free Surface	3.467	0.477	0.460	0.397	0.418	1.101	1,248,116.180	No	0.397	3.467
	TOE_2725-TOE_2726	TOE_2725	TOE_2726	10.000	403.987	0.007	574,705.150	180,250.492	Free Surface	3.581	0.465	0.441	0.387	0.418	1.155	1,303,194.099	No	0.387	3.581
	TOE_2726-TOE_2727	TOE_2726	TOE_2727	10.000	395.385	0.025	574,705.150	180,250.492	Free Surface	5.663	0.330	0.235	0.275	0.418	2.230	2,442,479.847	No	0.275	5.663
	TOE_2727-TOE_2728	TOE_2727	TOE_2728	10.000	165.621	0.048	574,705.150	180,250.492	Free Surface	7.137	0.279	0.170	0.233	0.418	3.081	3,372,033.353	No	0.233	7.137
	TOE_2728-TOE_2729	TOE_2728	TOE_2729	10.000	61.077	0.044	574,705.150	180,250.492	Free Surface	6.890	0.286	0.179	0.239	0.418	2.934	3,209,925.693	No	0.239	6.890
	TOE_2729-TOE_2730	TOE_2729	TOE_2730	10.000	275.532	0.024	574,705.150	180,250.492	Free Surface	5.541	0.335	0.243	0.279	0.418	2.162	2,369,718.404	No	0.279	5.541
	TOE_2730-TOE_2992	TOE_2730	TOE_2992	10.000	316.366	0.009	574,705.150	180,250.492	Free Surface	3.969	0.430	0.384	0.358	0.418	1.342	1,497,819.128	No	0.358	3.969
	TOE_2731-TOE_2960	TOE_2731	TOE_2960	8.000	328.578	0.016	302,359.402	83,949.088	Free Surface	4.051	0.366	0.285	0.244	0.320	1.683	1,059,992.645	No	0.244	4.051
	TOE_2732-TOE_2731	TOE_2732	TOE_2731	8.000	341.462	0.005	302,359.402	83,949.088	Free Surface	2.701	0.497	0.495	0.331	0.320	0.934	610,771.602	No	0.331	2.701
	TOE_2733-TOE_2732	TOE_2733	TOE_2732	8.000	191.801	0.006	302,359.402	83,949.088	Free Surface	2.795	0.484	0.473	0.323	0.320	0.983	639,516.219	No	0.323	2.795
	TOE_2734-TOE_2615	TOE_2734	TOE_2615	30.000	429.624	0.007	4,228,768.253	1,939,025.510	Free Surface	5.639	0.286	0.179	0.716	0.847	1.387	23,658,516.928	No	0.716	5.639
	TOE_2735-TOE_2734	TOE_2735	TOE_2734	30.000	244.751	0.002	4,228,768.253	1,939,025.510	Free Surface	3.916	0.373	0.297	0.933	0.847	0.830	14,257,598.474	No	0.933	3.916
	TOE_2736-TOE_2735	TOE_2736	TOE_2735	30.000	359.070	0.002	4,228,768.253	1,939,025.510	Free Surface	3.782	0.383	0.311	0.957	0.847	0.790	13,592,145.780	No	0.957	3.782
	TOE_2737-TOE_2905	TOE_2737	TOE_2905	30.000	464.000	0.002	4,228,768.253	1,939,025.510	Free Surface	3.868	0.377	0.302	0.942	0.847	0.816	14,020,712.700	No	0.942	3.868
	TOE_2738-TOE_2737	TOE_2738	TOE_2737	30.000	403.282	0.002	4,228,768.253	1,939,025.510	Free Surface	3.453	0.410	0.352	1.025	0.847	0.693	11,997,131.701	No	1.025	3.453
	TOE_2739-TOE_2738	TOE_2739	TOE_2738	30.000	499.467	0.002	4,228,768.253	1,939,025.510	Free Surface	3.766	0.384	0.313	0.961	0.847	0.785	13,513,742.914	Yes	0.993	3.603
	TOE_2740-TOE_2739	TOE_2740	TOE_2739	30.000	498.367	0.002	4,228,768.253	1,939,025.510	Free Surface	3.641	0.394	0.328	0.985	0.847	0.748	12,899,064.525	No	0.985	3.641
	TOE_2741-TOE_2740	TOE_2741	TOE_2740	30.000	506.092	0.002	4,228,768.253	1,939,025.510	Free Surface	3.484	0.407	0.348	1.018	0.847	0.702	12,143,367.452	No	1.018	3.484
	TOE_2742-TOE_2741	TOE_2742	TOE_2741	30.000	129.779	0.002	4,228,768.253	1,939,025.510	Free Surface	3.833	0.379	0.305	0.948	0.847	0.805	13,844,924.620	No	0.948	3.833
	TOE_2743-TOE_2742	TOE_2743	TOE_2742	30.000	172.744	0.003	4,228,768.253	1,939,025.510	Free Surface	4.442	0.340	0.249	0.850	0.847	0.993	16,970,973.773	No	0.850	4.442
	TOE_2744-TOE_2591	TOE_2744	TOE_2591	30.000	436.895	0.000	3,453,233.619	1,523,476.226	Pressurized	1.088	1.000	3.792	2.500	0.386	0.121	910,610.783	No	2.500	1.088
	TOE_2745-TOE_2744	TOE_2745	TOE_2744	27.000	198.412	0.004	2,716,180.502	1,144,750.609	Free Surface	4.175	0.301	0.197	0.677	0.695	1.053	13,806,136.114	Yes	2.079	1.095
	TOE_2746-TOE_2744	TOE_2746	TOE_2744	18.000	293.260	0.006	1,072,549.722	378,725.617	Free Surface	3.943	0.288	0.181	0.432	0.484	1.248	5,935,798.422	No	0.432	3.943
	TOE_2747-ECF5_204	TOE_2747	ECF5_204	18.000	398.943	0.006	1,030,105.316	360,976.184	Free Surface	3.851	0.284	0.176	0.426	0.474	1.227	5,837,720.637	No	0.426	3.851
	TOE_2748-TOE_2749	TOE_2748	TOE_2749	12.000	290.977	0.011	911,866.884	312,199.082	Free Surface	4.674	0.409	0.350	0.409	0.503	1.487	2,602,387.765	No	0.409	4.674
	TOE_2749-TOE_2750	TOE_2749	TOE_2750	12.000	393.950	0.009	911,866.884	312,199.082	Free Surface	4.414	0.427	0.379	0.427	0.503	1.369	2,407,531.959	No	0.427	4.414
	TOE_2750-TOE_2751	TOE_2750	TOE_2751	12.000	263.499	0.020	911,866.884	312,199.082	Free Surface	5.862	0.345	0.257	0.345	0.503	2.053	3,553,960.140	No	0.345	5.862
	TOE_2751-TOE_2752	TOE_2751	TOE_2752	15.000	391.732	0.015	911,866.884	312,199.082	Free Surface	5.132	0.275	0.166	0.344	0.470	1.823	5,499,118.473	No	0.344	5.132
	TOE_2752-TOE_2753	TOE_2752	TOE_2753	15.000	398.557	0.010	911,866.884	312,199.082	Free Surface	4.469	0.304	0.201	0.380	0.470	1.503	4,531,817.796	No	0.380	4.469
	TOE_2753-TOE_2754	TOE_2753	TOE_2754	15.000	349.938	0.011	911,866.884	312,199.082	Free Surface	4.669	0.295	0.189	0.368	0.470	1.598	4,818,135.047	No	0.368	4.669
	TOE_2754-TOE_2755	TOE_2754	TOE_2755	15.000	130.982	0.008	911,866.884	312,199.082	Free Surface	4.087	0.325	0.228	0.406	0.470	1.326	4,001,938.556	No	0.406	4.087
	TOE_2755-TOE_2759	TOE_2755	TOE_2759	15.000	312.151	0.010	911,866.884	312,199.082	Free Surface	4.407	0.307	0.205	0.384	0.470	1.474	4,445,843.679	No	0.384	4.407
	TOE_2756-TOE_2757	TOE_2756	TOE_2757	15.000	72.934	0.010	911,866.884	312,199.082	Free Surface	4.516	0.302	0.198	0.377	0.470	1.525	4,598,754.788	No	0.377	4.516
	TOE_2757-TOE_2760	TOE_2757	TOE_2760	15.000	417.818	0.015	911,866.884	312,199.082	Free Surface	5.161	0.274	0.165	0.343	0.470	1.837	5,542,104.941	No	0.343	5.161
	TOE_2758-TOE_2761	TOE_2758	TOE_2761	18.000	414.191	0.													

EXISTING PIPE TABLE

	ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (gpd)	Peakable Flow (gpd)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth (ft)	Critical Depth	Froude Number	Full Flow (gpd)	Backwater Adjustment	Adjusted Depth	Adjusted Velocity
<input type="checkbox"/>	TOE_2764-TOE_2763	TOE_2764	TOE_2763	18.000	478.193	0.002	911,866.884	312,199.082	Free Surface	2.605	0.346	0.257	0.518	0.445	0.745	3,552,946.925	Yes	0.525	2.557
<input type="checkbox"/>	TOE_2765-TOE_2766	TOE_2765	TOE_2766	18.000	164.304	0.001	911,866.884	312,199.082	Free Surface	2.168	0.396	0.330	0.594	0.445	0.574	2,759,106.316	No	0.594	2.168
<input type="checkbox"/>	TOE_2766-TOE_2767	TOE_2766	TOE_2767	18.000	181.632	0.002	911,866.884	312,199.082	Free Surface	2.435	0.363	0.282	0.545	0.445	0.677	3,237,177.498	No	0.545	2.435
<input type="checkbox"/>	TOE_2767-TOE_2768	TOE_2767	TOE_2768	18.000	352.648	0.005	911,866.884	312,199.082	Free Surface	3.484	0.280	0.171	0.420	0.445	1.120	5,326,808.805	No	0.420	3.484
<input type="checkbox"/>	TOE_2768-TOE_2914	TOE_2768	TOE_2914	18.000	287.466	0.013	911,866.884	312,199.082	Free Surface	4.826	0.222	0.108	0.333	0.445	1.757	8,422,695.282	Yes	0.431	3.364
<input type="checkbox"/>	TOE_2769-TOE_2770	TOE_2769	TOE_2770	18.000	498.501	0.002	911,866.884	312,199.082	Free Surface	2.557	0.350	0.263	0.525	0.445	0.726	3,464,114.064	Yes	0.527	2.546
<input type="checkbox"/>	TOE_2770-TOE_2771	TOE_2770	TOE_2771	18.000	403.879	0.002	911,866.884	312,199.082	Free Surface	2.535	0.352	0.266	0.529	0.445	0.717	3,422,652.098	No	0.529	2.535
<input type="checkbox"/>	TOE_2771-TOE_2772	TOE_2771	TOE_2772	18.000	100.158	0.006	911,866.884	312,199.082	Free Surface	3.571	0.275	0.165	0.413	0.445	1.159	5,514,173.479	Yes	0.462	3.049
<input type="checkbox"/>	TOE_2772-TOE_2773	TOE_2772	TOE_2773	18.000	361.279	0.002	911,866.884	312,199.082	Free Surface	2.651	0.341	0.251	0.512	0.445	0.764	3,639,557.647	Yes	0.628	2.012
<input type="checkbox"/>	TOE_2773-TOE_2774	TOE_2773	TOE_2774	18.000	259.869	0.004	911,866.884	312,199.082	Free Surface	3.124	0.303	0.199	0.454	0.445	0.962	4,574,583.703	Yes	1.224	0.914
<input type="checkbox"/>	TOE_2774-TOE_2775	TOE_2774	TOE_2775	18.000	352.134	-0.000	911,866.884	312,199.082	Pressurized	0.798	1.000		1.500	0.000	0.115		No	1.500	0.798
<input type="checkbox"/>	TOE_2775-TOE_2776	TOE_2775	TOE_2776	18.000	499.799	0.002	911,866.884	312,199.082	Free Surface	2.234	0.387	0.317	0.580	0.445	0.599	2,875,663.264	Yes	0.615	2.068
<input type="checkbox"/>	TOE_2776-TOE_2777	TOE_2776	TOE_2777	18.000	505.125	0.001	911,866.884	312,199.082	Free Surface	1.923	0.433	0.389	0.650	0.445	0.483	2,343,226.326	No	0.650	1.923
<input type="checkbox"/>	TOE_2777-TOE_2778	TOE_2777	TOE_2778	18.000	448.684	0.001	911,866.884	312,199.082	Free Surface	1.980	0.424	0.374	0.636	0.445	0.503	2,437,004.677	Yes	0.642	1.954
<input type="checkbox"/>	TOE_2778-TOE_2779	TOE_2778	TOE_2779	18.000	451.433	0.001	911,866.884	312,199.082	Free Surface	1.930	0.432	0.387	0.648	0.445	0.485	2,354,025.025	Yes	0.650	1.922
<input type="checkbox"/>	TOE_2779-TOE_2780	TOE_2779	TOE_2780	18.000	471.667	0.001	911,866.884	312,199.082	Free Surface	1.914	0.435	0.392	0.652	0.445	0.479	2,327,876.216	Yes	0.671	1.842
<input type="checkbox"/>	TOE_2780-TOE_2781	TOE_2780	TOE_2781	18.000	294.427	0.001	911,866.884	312,199.082	Free Surface	1.953	0.428	0.381	0.642	0.445	0.493	2,392,881.049	Yes	0.823	1.421
<input type="checkbox"/>	TOE_2781-TOE_2782	TOE_2781	TOE_2782	18.000	388.136	0.000	911,866.884	312,199.082	Free Surface	1.188	0.637	0.735	0.955	0.445	0.231	1,241,461.108	No	0.955	1.188
<input type="checkbox"/>	TOE_2782-TOE_2783	TOE_2782	TOE_2783	21.000	379.111	0.001	911,866.884	312,199.082	Free Surface	1.901	0.347	0.259	0.608	0.426	0.502	3,521,797.912	No	0.608	1.901
<input type="checkbox"/>	TOE_2783-TOE_2786	TOE_2783	TOE_2786	21.000	499.183	0.002	911,866.884	312,199.082	Free Surface	2.367	0.296	0.191	0.518	0.426	0.683	4,775,511.323	Yes	0.755	1.421
<input type="checkbox"/>	TOE_2784-TOE_2785	TOE_2784	TOE_2785	21.000	128.890	0.001	911,866.884	312,199.082	Free Surface	1.906	0.347	0.258	0.607	0.426	0.504	3,532,789.790	Yes	0.607	1.905
<input type="checkbox"/>	TOE_2785-TOE_2788	TOE_2785	TOE_2788	21.000	278.260	0.001	911,866.884	312,199.082	Free Surface	1.904	0.347	0.258	0.607	0.426	0.503	3,528,657.765	No	0.607	1.904
<input type="checkbox"/>	TOE_2786-TOE_2784	TOE_2786	TOE_2784	21.000	505.223	0.000	911,866.884	312,199.082	Free Surface	1.004	0.567	0.614	0.991	0.426	0.196	1,484,689.154	No	0.991	1.004
<input type="checkbox"/>	TOE_2787-EVF4_46	TOE_2787	EVF4_46	21.000	494.801	0.000	911,866.884	312,199.082	Free Surface	0.967	0.584	0.645	1.022	0.426	0.185	1,414,443.287	No	1.022	0.967
<input type="checkbox"/>	TOE_2788-TOE_2787	TOE_2788	TOE_2787	21.000	503.608	0.002	911,866.884	312,199.082	Free Surface	2.350	0.298	0.193	0.521	0.426	0.676	4,728,573.115	Yes	0.772	1.380
<input type="checkbox"/>	TOE_2789-TOE_2791	TOE_2789	TOE_2791	24.000	498.890	0.001	936,336.347	322,198.439	Free Surface	1.824	0.300	0.196	0.601	0.416	0.489	4,769,872.434	Yes	0.606	1.803
<input type="checkbox"/>	TOE_2790-TOE_2789	TOE_2790	TOE_2789	21.000	174.406	0.001	936,336.347	322,198.439	Free Surface	1.936	0.349	0.262	0.611	0.432	0.509	3,573,648.055	No	0.611	1.936
<input type="checkbox"/>	TOE_2791-TOE_2792	TOE_2791	TOE_2792	24.000	177.562	0.001	936,336.347	322,198.439	Free Surface	1.782	0.306	0.203	0.611	0.416	0.473	4,616,077.651	No	0.611	1.782
<input type="checkbox"/>	TOE_2792-TOE_2793	TOE_2792	TOE_2793	24.000	420.700	0.001	936,336.347	322,198.439	Free Surface	2.097	0.272	0.162	0.544	0.416	0.593	5,794,430.136	No	0.544	2.097
<input type="checkbox"/>	TOE_2793-TOE_2794	TOE_2793	TOE_2794	24.000	381.015	0.002	936,336.347	322,198.439	Free Surface	2.316	0.253	0.141	0.507	0.416	0.680	6,659,926.961	Yes	0.539	2.123
<input type="checkbox"/>	TOE_2794-TOE_2795	TOE_2794	TOE_2795	24.000	455.331	0.001	936,336.347	322,198.439	Free Surface	1.957	0.286	0.178	0.571	0.416	0.539	5,262,886.803	Yes	0.619	1.751
<input type="checkbox"/>	TOE_2795-OTF1_60A	TOE_2795	OTF1_60A	24.000	214.510	0.001	936,336.347	322,198.439	Free Surface	1.581	0.333	0.239	0.666	0.416	0.400	3,909,765.156	No	0.666	1.581
<input type="checkbox"/>	TOE_2798-TOE_2799	TOE_2798	TOE_2799	12.000	220.498	0.002	582,537.116	183,190.971	Free Surface	2.298	0.500	0.499	0.500	0.398	0.647	1,166,983.883	No	0.500	2.298
<input type="checkbox"/>	TOE_2799-OTF1_108	TOE_2799	OTF1_108	16.000	33.367	0.002	582,537.116	183,190.971	Free Surface	2.271	0.327	0.231	0.436	0.366	0.710	2,519,550.956	No	0.436	2.271
<input type="checkbox"/>	TOE_2800-TOE_2825	TOE_2800	TOE_2825	36.000	57.809	0.021	4,650,673.278	2,171,465.902	Free Surface	8.464	0.178	0.069	0.533	0.844	2.450	67,464,814.133	Yes	0.576	7.583
<input type="checkbox"/>	TOE_2801-TOE_2612	TOE_2801	TOE_2612	18.000	141.337	0.016	908,234.171	310,725.963	Free Surface	5.197	0.210	0.097	0.316	0.444	1.947	9,366,308.345	No	0.316	5.197
<input type="checkbox"/>	TOE_2802-TOE_2801	TOE_2802	TOE_2801	18.000	250.167	0.004	908,234.171	310,725.963	Free Surface	3.208	0.296	0.191	0.444	0.444	1.000	4,754,776.317	No	0.444	3.208
<input type="checkbox"/>	TOE_2803-TOE_2802	TOE_2803	TOE_2802	18.000	194.718	0.004	908,234.171	310,725.963	Free Surface	3.030	0.309	0.207	0.463	0.444	0.923	4,389,857.843	No	0.463	3.030
<input type="checkbox"/>	TOE_2804-TOE_2803	TOE_2804	TOE_2803	18.000	232.012	0.003	908,234.171	310,725.963	Free Surface	2.987	0.312	0.211	0.468	0.444	0.905	4,303,159.363	No	0.468	2.987
<input type="checkbox"/>	TOE_2805-VPF1_718	TOE_2805	VPF1_718	18.000	261.376	0.010	1,285,887.343	470,025.903	Free Surface	4.786	0.285	0.178	0.428	0.532	1.522	7,240,963.795	No	0.428	4.786
<input type="checkbox"/>	TOE_2806-TOE_2805	TOE_2806	TOE_2805	18.000	276.239	0.011	1,285,887.343	470,025.903	Free Surface	5.012	0.276	0.166	0.414	0.532	1.623	7,723,387.698	No	0.414	5.012
<input type="checkbox"/>	TOE_2807-TOE_2806	TOE_2807	TOE_2806	18.000	443.273	0.004	1,285,887.343	470,025.903	Free Surface	3.617	0.349	0.262	0.524	0.532	1.028	4,903,668.343	No	0.524	3.617
<input type="checkbox"/>	TOE_2808-TOE_2819	TOE_2808	TOE_2819	18.000	416.583	0.011	1,285,887.343	470,025.903	Free Surface	4.952	0.278	0.169	0.418	0.532	1.597	7,596,070.360	No	0.418	4.952
<input type="checkbox"/>	TOE_2809-VRGC2_526	TOE_2809	VRGC2_526	10.000	56.047	0.036	554,517.825	172,674.655	Free Surface	6.373	0.295	0.190	0.246	0.410	2.669	2,920,079.797	No	0.246	6.373
<input type="checkbox"/>	TOE_2817-TOE_2818	TOE_2817	TOE_2818	15.000	417.201	0.026	911,866.884	312,199.082	Free Surface	6.310	0.238	0.124	0.297	0.470	2.426	7,350,359.292	Yes	0.384	4.414
<input type="checkbox"/>	TOE_2818-TOE_2758	TOE_2818	TOE_2758	18.000	341.416	0.003	911,866.884	312,199.082	Free Surface	2.979	0.313	0.213	0.470	0.445	0.900	4,279,919.147	Yes	0.515	2.628
<input type="checkbox"/>	TOE_2819-TOE_2807	TOE_2819	TOE_2807	18.000	434.564	0.006	1,285,887.343	470,025.903	Free Surface	4.094	0.319	0.221	0.479	0.532	1.224	5,823,534.025	No	0.479	4.094
<input type="checkbox"/>	TOE_2825-TOE_2826	TOE_2825	TOE_2826	36.000	165.860	0.005	5,223,818.526	2,493,664.341	Free Surface	5.175	0.273	0.163	0.818	0.896	1.193	32,111,628.908	No	0.818	5.175
<input type="checkbox"/>	TOE_2826-TOE_2827	TOE_2826	TOE_2827	36.000	118.558	0.002	5,223,818.526	2,493,664.341	Free Surface	3.515	0.361	0.279	1.083	0.896	0.693	18,745,463.271	No	1.083	3.515
<input type="checkbox"/>	TOE_2827-TOE_2828	TOE_2827	TOE_2828	36.000	294.232	0.003	5,223,818.526	2,493,664.341	Free Surface	4.472	0.303	0.200	0.909	0.896	0.973	26,183,894.176	No	0.909	4.472
<input type="checkbox"/>	TOE_2828-TOE_2921	TOE_2828	TOE_2921	36.000	166.924	0.001	5,223,818.526	2,493,664.341	Free Surface	3.430	0.368	0.288	1.103	0.896	0.670	18,121,603.712	No	1.103	3.430
<input type="checkbox"/>	TOE_2829-TOE_2830	TOE_2829	TOE_2830	36.000	96.097	0.003	5,223,818.526	2,493,664.341	Free Surface	4.415	0.306	0.203	0.917	0.896	0.956	25,723,528.003	Yes	0.943	4.249
<input type="checkbox"/>	TOE_2830																		

EXISTING PIPE TABLE

	ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (gpd)	Peakable Flow (gpd)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth (ft)	Critical Depth	Froude Number	Full Flow (gpd)	Backwater Adjustment	Adjusted Depth	Adjusted Velocity
	TOE_2837-TOE_2839	TOE_2837	TOE_2839	36.000	242.437	0.001	5,223,818.526	2,493,664.341	Free Surface	2.857	0.421	0.370	1.264	0.896	0.515	14,105,792.535	No	1.264	2.857
	TOE_2838-TOE_2840	TOE_2838	TOE_2840	36.000	279.046	0.002	5,223,818.526	2,493,664.341	Free Surface	3.436	0.367	0.288	1.101	0.896	0.671	18,166,539.006	No	1.101	3.436
	TOE_2839-TOE_2838	TOE_2839	TOE_2838	36.000	223.808	0.002	5,223,818.526	2,493,664.341	Free Surface	3.484	0.363	0.282	1.090	0.896	0.685	18,517,468.952	No	1.090	3.484
	TOE_2840-TOE_2841	TOE_2840	TOE_2841	36.000	262.834	0.002	5,223,818.526	2,493,664.341	Free Surface	3.870	0.336	0.244	1.009	0.896	0.795	21,420,316.629	No	1.009	3.870
	TOE_2841-TOE_2843	TOE_2841	TOE_2843	36.000	36.626	0.004	5,223,818.526	2,493,664.341	Free Surface	4.679	0.293	0.187	0.879	0.896	1.037	27,897,440.007	No	0.879	4.679
	TOE_2842-TOE_2844	TOE_2842	TOE_2844	36.000	444.636	0.003	5,223,818.526	2,493,664.341	Free Surface	4.353	0.309	0.207	0.927	0.896	0.937	25,221,921.417	No	0.927	4.353
	TOE_2843-TOE_2842	TOE_2843	TOE_2842	36.000	93.563	0.006	5,223,818.526	2,493,664.341	Free Surface	5.639	0.257	0.144	0.770	0.896	1.344	36,226,643.146	No	0.770	5.639
	TOE_2844-TOE_2845	TOE_2844	TOE_2845	36.000	17.372	0.020	5,223,818.526	2,493,664.341	Free Surface	8.580	0.191	0.080	0.573	0.896	2.392	65,508,663.780	Yes	0.883	4.656
	TOE_2845-TOE_2846	TOE_2845	TOE_2846	36.000	184.327	0.002	5,223,818.526	2,493,664.341	Free Surface	3.659	0.350	0.264	1.051	0.896	0.734	19,812,880.516	No	1.051	3.659
	TOE_2846-TOE_2847	TOE_2846	TOE_2847	36.000	229.186	0.002	5,223,818.526	2,493,664.341	Free Surface	3.872	0.336	0.244	1.009	0.896	0.795	21,429,504.184	No	1.009	3.872
	TOE_2847-TOE_2848	TOE_2847	TOE_2848	36.000	80.877	0.004	5,223,818.526	2,493,664.341	Free Surface	5.074	0.277	0.167	0.830	0.896	1.161	31,240,984.972	No	0.830	5.074
	TOE_2848-TOE_2849	TOE_2848	TOE_2849	36.000	459.682	0.005	5,223,818.526	2,493,664.341	Free Surface	5.224	0.271	0.161	0.813	0.896	1.208	32,541,157.345	No	0.813	5.224
	TOE_2849-TOE_2920	TOE_2849	TOE_2920	36.000	343.100	0.010	5,223,818.526	2,493,664.341	Free Surface	6.731	0.226	0.112	0.679	0.896	1.715	46,476,512.118	No	0.679	6.731
	TOE_2850-TOE_2851	TOE_2850	TOE_2851	36.000	249.280	0.009	5,223,818.526	2,493,664.341	Free Surface	6.515	0.232	0.118	0.695	0.896	1.640	44,388,011.310	No	0.695	6.515
	TOE_2851-TOE_2853	TOE_2851	TOE_2853	36.000	20.430	0.004	5,223,818.526	2,493,664.341	Free Surface	5.055	0.277	0.168	0.832	0.896	1.155	31,079,112.582	No	0.832	5.055
	TOE_2852-TOE_2860	TOE_2852	TOE_2860	36.000	359.537	0.002	5,447,280.129	2,621,166.213	Free Surface	3.630	0.364	0.282	1.091	0.916	0.713	19,287,627.371	No	1.091	3.630
	TOE_2853-TOE_2852	TOE_2853	TOE_2852	36.000	60.002	0.004	5,447,280.129	2,621,166.213	Free Surface	4.942	0.290	0.184	0.871	0.916	1.101	29,614,860.035	Yes	0.931	4.508
	TOE_2854-TOE_2853	TOE_2854	TOE_2853	12.000	398.579	0.004	429,456.762	127,501.872	Free Surface	2.623	0.359	0.275	0.359	0.340	0.900	1,559,749.936	No	0.359	2.623
	TOE_2855-TOE_2854	TOE_2855	TOE_2854	12.000	386.083	0.002	429,456.762	127,501.872	Free Surface	2.047	0.432	0.387	0.432	0.340	0.630	1,109,717.588	No	0.432	2.047
	TOE_2856-TOE_2855	TOE_2856	TOE_2855	12.000	226.541	0.003	429,456.762	127,501.872	Free Surface	2.336	0.391	0.323	0.391	0.340	0.763	1,329,421.551	No	0.391	2.336
	TOE_2857-TOE_2856	TOE_2857	TOE_2856	12.000	76.848	0.003	429,456.762	127,501.872	Free Surface	2.385	0.385	0.314	0.385	0.340	0.786	1,368,340.727	No	0.385	2.385
	TOE_2858-TOE_2857	TOE_2858	TOE_2857	12.000	348.353	0.011	429,456.762	127,501.872	Free Surface	3.749	0.277	0.168	0.277	0.340	1.485	2,563,756.376	No	0.277	3.749
	TOE_2859-TOE_2858	TOE_2859	TOE_2858	12.000	396.442	0.004	429,456.762	127,501.872	Free Surface	2.758	0.346	0.257	0.346	0.340	0.966	1,671,256.976	No	0.346	2.758
	TOE_2860-TOE_2861	TOE_2860	TOE_2861	36.000	403.356	0.002	5,447,280.129	2,621,166.213	Free Surface	3.481	0.375	0.299	1.125	0.916	0.672	18,209,827.948	No	1.125	3.481
	TOE_2861-TOE_2862	TOE_2861	TOE_2862	36.000	62.240	0.006	5,447,280.129	2,621,166.213	Free Surface	5.801	0.259	0.147	0.777	0.916	1.375	37,066,579.448	Yes	0.958	4.336
	TOE_2862-TOE_2863	TOE_2862	TOE_2863	36.000	159.775	0.001	5,447,280.129	2,621,166.213	Free Surface	3.127	0.406	0.347	1.219	0.916	0.576	15,716,935.916	No	1.219	3.127
	TOE_2863-TOE_2864	TOE_2863	TOE_2864	36.000	205.062	0.002	5,447,280.129	2,621,166.213	Free Surface	4.047	0.336	0.243	1.007	0.916	0.832	22,417,712.211	No	1.007	4.047
	TOE_2864-TOE_2865	TOE_2864	TOE_2865	36.000	114.615	0.003	5,447,280.129	2,621,166.213	Free Surface	4.532	0.309	0.208	0.928	0.916	0.975	26,243,125.882	Yes	0.953	4.366
	TOE_2865-TOE_2866	TOE_2865	TOE_2866	36.000	284.715	0.002	5,447,280.129	2,621,166.213	Free Surface	3.509	0.373	0.296	1.118	0.916	0.680	18,407,998.604	No	1.118	3.509
	TOE_2866-TOE_2867	TOE_2866	TOE_2867	36.000	270.608	0.002	5,447,280.129	2,621,166.213	Free Surface	3.514	0.372	0.295	1.117	0.916	0.681	18,447,596.010	No	1.117	3.514
	TOE_2867-TOE_2868	TOE_2867	TOE_2868	36.000	370.460	0.003	5,447,280.129	2,621,166.213	Free Surface	4.541	0.309	0.207	0.926	0.916	0.978	26,315,252.924	Yes	0.927	4.535
	TOE_2868-TOE_2869	TOE_2868	TOE_2869	36.000	408.607	0.002	5,447,280.129	2,621,166.213	Free Surface	3.735	0.356	0.272	1.068	0.916	0.743	20,061,486.848	No	1.068	3.735
	TOE_2869-TOE_2870	TOE_2869	TOE_2870	36.000	396.171	0.002	5,447,280.129	2,621,166.213	Free Surface	3.586	0.367	0.287	1.101	0.916	0.701	18,967,088.030	No	1.101	3.586
	TOE_2870-TOE_2871	TOE_2870	TOE_2871	36.000	396.576	0.002	5,447,280.129	2,621,166.213	Free Surface	3.644	0.363	0.281	1.088	0.916	0.717	19,389,949.386	No	1.088	3.644
	TOE_2871-TOE_2872	TOE_2871	TOE_2872	36.000	400.375	0.002	5,447,280.129	2,621,166.213	Free Surface	3.491	0.374	0.298	1.123	0.916	0.675	18,277,493.798	No	1.123	3.491
	TOE_2872-TOE_2873	TOE_2872	TOE_2873	36.000	381.197	0.002	5,447,280.129	2,621,166.213	Free Surface	3.830	0.350	0.262	1.049	0.916	0.770	20,770,239.554	Yes	1.073	3.713
	TOE_2873-TOE_2874	TOE_2873	TOE_2874	36.000	56.391	0.001	5,447,280.129	2,621,166.213	Free Surface	3.240	0.396	0.330	1.187	0.916	0.606	16,497,998.692	No	1.187	3.240
	TOE_2874-TOE_2875	TOE_2874	TOE_2875	36.000	68.032	0.002	5,447,280.129	2,621,166.213	Free Surface	3.790	0.352	0.266	1.057	0.916	0.758	20,469,178.536	No	1.057	3.790
	TOE_2875-TOE_2876	TOE_2875	TOE_2876	36.000	48.547	0.002	5,447,280.129	2,621,166.213	Free Surface	4.030	0.337	0.244	1.010	0.916	0.827	22,289,471.205	No	1.010	4.030
	TOE_2876-TOE_2877	TOE_2876	TOE_2877	36.000	329.140	0.002	5,447,280.129	2,621,166.213	Free Surface	3.835	0.349	0.262	1.048	0.916	0.771	20,809,040.903	No	1.048	3.835
	TOE_2877-TOE_2878	TOE_2877	TOE_2878	36.000	307.671	0.002	5,447,280.129	2,621,166.213	Free Surface	3.494	0.374	0.298	1.122	0.916	0.676	18,301,672.579	No	1.122	3.494
	TOE_2878-TOE_2879	TOE_2878	TOE_2879	36.000	361.008	0.002	5,447,280.129	2,621,166.213	Free Surface	3.624	0.364	0.283	1.092	0.916	0.712	19,248,269.871	No	1.092	3.624
	TOE_2879-TOE_2880	TOE_2879	TOE_2880	36.000	33.270	0.002	5,447,280.129	2,621,166.213	Free Surface	3.473	0.376	0.300	1.127	0.916	0.670	18,152,727.646	No	1.127	3.473
	TOE_2880-TOE_2881	TOE_2880	TOE_2881	36.000	195.334	0.003	5,447,280.129	2,621,166.213	Free Surface	4.442	0.314	0.213	0.941	0.916	0.948	25,515,851.106	Yes	0.986	4.165
	TOE_2881-TOE_2882	TOE_2881	TOE_2882	36.000	209.365	0.001	5,447,280.129	2,621,166.213	Free Surface	3.455	0.377	0.302	1.131	0.916	0.665	18,018,305.840	No	1.131	3.455
	TOE_2882-TOE_2883	TOE_2882	TOE_2883	36.000	151.038	0.002	5,447,280.129	2,621,166.213	Free Surface	3.597	0.366	0.286	1.098	0.916	0.704	19,050,775.400	No	1.098	3.597
	TOE_2883-TOE_2884	TOE_2883	TOE_2884	36.000	399.934	0.002	5,447,280.129	2,621,166.213	Free Surface	3.708	0.358	0.274	1.074	0.916	0.735	19,868,163.099	No	1.074	3.708
	TOE_2884-TOE_2885	TOE_2884	TOE_2885	36.000	386.814	0.002	5,447,280.129	2,621,166.213	Free Surface	3.657	0.362	0.280	1.085	0.916	0.721	19,488,193.635	No	1.085	3.657
	TOE_2885-TOE_2886	TOE_2885	TOE_2886	36.000	336.538	0.002	5,447,280.129	2,621,166.213	Free Surface	4.044	0.336	0.243	1.008	0.916	0.831	22,398,228.728	No	1.008	4.044
	TOE_2886-TOE_2887	TOE_2886	TOE_2887	36.000	202.207	0.002	5,447,280.129	2,621,166.213	Free Surface	3.939	0.342	0.252	1.027	0.916	0.801	21,593,423.325	No	1.027	3.939
	TOE_2887-TOE_2888	TOE_2887	TOE_2888	36.000	396.382	0.003	5,447,280.129	2,621,166.213	Free Surface	4.307	0.321	0.223	0.962	0.916	0.908	24,442,188.395	Yes	1.017	3.992
	TOE_2888-TOE_2889	TOE_2888	TOE_2889	36.000	530.806	0.001	5,447,280.129	2,621,166.213	Free Surface	3.150	0.404	0.343	1.212	0.916	0.582	15,873,859.216	No	1.212	3.150
	TOE_2889-TOE_2890	TOE_2889	TOE_2890	36.000	97.753	0.003													

EXISTING PIPE TABLE

	ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (gpd)	Peakable Flow (gpd)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth (ft)	Critical Depth	Froude Number	Full Flow (gpd)	Backwater Adjustment	Adjusted Depth	Adjusted Velocity
	TOE_2896-TOE_2897	TOE_2896	TOE_2897	36.000	403.174	0.002	5,447,280.129	2,621,166.213	Free Surface	3.482	0.375	0.299	1.125	0.916	0.672	18,213,943.362	No	1.125	3.482
	TOE_2897-TOE_2898	TOE_2897	TOE_2898	36.000	409.240	0.005	5,447,280.129	2,621,166.213	Free Surface	5.375	0.274	0.164	0.821	0.916	1.237	33,302,844.467	Yes	0.911	4.649
	TOE_2898-TOE_2899	TOE_2898	TOE_2899	36.000	347.870	0.002	5,447,280.129	2,621,166.213	Free Surface	3.629	0.364	0.282	1.091	0.916	0.713	19,284,262.044	No	1.091	3.629
	TOE_2899-TOE_2900	TOE_2899	TOE_2900	36.000	334.864	0.002	5,447,280.129	2,621,166.213	Free Surface	4.051	0.335	0.243	1.006	0.916	0.833	22,454,145.401	No	1.006	4.051
	TOE_2900-TOE_2901	TOE_2900	TOE_2901	36.000	38.258	0.003	5,447,280.129	2,621,166.213	Free Surface	4.530	0.309	0.208	0.928	0.916	0.975	26,224,849.365	No	0.928	4.530
	TOE_2901-TOE_2902	TOE_2901	TOE_2902	36.000	295.270	0.002	5,447,280.129	2,621,166.213	Free Surface	4.075	0.334	0.241	1.002	0.916	0.840	22,636,020.216	No	1.002	4.075
	TOE_2902-TOE_2903	TOE_2902	TOE_2903	36.000	388.341	0.002	5,447,280.129	2,621,166.213	Free Surface	3.876	0.346	0.258	1.039	0.916	0.783	21,119,930.531	No	1.039	3.876
	TOE_2903-TOE_2904	TOE_2903	TOE_2904	36.000	413.543	0.002	5,447,280.129	2,621,166.213	Free Surface	3.664	0.361	0.279	1.083	0.916	0.723	19,538,514.789	No	1.083	3.664
	TOE_2904-TOE_2951	TOE_2904	TOE_2951	36.000	71.017	0.002	5,447,280.129	2,621,166.213	Free Surface	3.624	0.364	0.283	1.092	0.916	0.712	19,248,349.176	Yes	1.111	3.541
	TOE_2905-TOE_2906	TOE_2905	TOE_2906	30.000	394.000	0.001	4,228,768.253	1,939,025.510	Free Surface	3.077	0.447	0.412	1.118	0.847	0.586	10,258,167.458	No	1.118	3.077
	TOE_2906-TOE_2736	TOE_2906	TOE_2736	30.000	373.680	0.002	4,228,768.253	1,939,025.510	Free Surface	3.728	0.387	0.317	0.968	0.847	0.774	13,323,799.684	No	0.968	3.728
	TOE_2914-TOE_2769	TOE_2914	TOE_2769	18.000	286.272	0.002	911,866.884	312,199.082	Free Surface	2.540	0.352	0.266	0.528	0.445	0.719	3,431,902.076	No	0.528	2.540
	TOE_2915-TOE_2977	TOE_2915	TOE_2977	8.000	33.639	0.014	207,146.860	53,949.580	Free Surface	3.475	0.310	0.209	0.207	0.262	1.584	992,018.765	No	0.207	3.475
	TOE_2916-TOE_2915	TOE_2916	TOE_2915	8.000	94.519	0.030	207,146.860	53,949.580	Free Surface	4.581	0.254	0.142	0.170	0.262	2.326	1,460,098.057	No	0.170	4.581
	TOE_2917-TOE_2916	TOE_2917	TOE_2916	8.000	398.787	0.034	207,146.860	53,949.580	Free Surface	4.791	0.247	0.133	0.164	0.262	2.474	1,555,054.568	No	0.164	4.791
	TOE_2920-TOE_2850	TOE_2920	TOE_2850	36.000	73.831	0.009	5,223,818.526	2,493,664.341	Free Surface	6.572	0.230	0.116	0.691	0.896	1.660	44,938,739.234	Yes	0.693	6.543
	TOE_2921-TOE_2829	TOE_2921	TOE_2829	36.000	174.848	0.003	5,223,818.526	2,493,664.341	Free Surface	4.650	0.294	0.189	0.883	0.896	1.028	27,657,927.613	No	0.883	4.650
	TOE_2941-TOE_2942	TOE_2941	TOE_2942	12.000	359.851	0.010	148,835.729	38,000.146	Free Surface	2.697	0.166	0.060	0.166	0.197	1.402	2,491,257.696	No	0.166	2.697
	TOE_2942-TOE_2943	TOE_2942	TOE_2943	12.000	401.258	0.023	148,835.729	38,000.146	Free Surface	3.626	0.135	0.039	0.135	0.197	2.097	3,797,565.592	No	0.135	3.626
	TOE_2943-TOE_2944	TOE_2943	TOE_2944	12.000	199.566	0.022	148,835.729	38,000.146	Free Surface	3.546	0.137	0.040	0.137	0.197	2.035	3,679,975.286	No	0.137	3.546
	TOE_2944-TOE_2945	TOE_2944	TOE_2945	15.000	219.323	0.003	148,835.729	38,000.146	Free Surface	1.637	0.172	0.064	0.215	0.185	0.747	2,311,912.994	Yes	0.217	1.614
	TOE_2945-TOE_2946	TOE_2945	TOE_2946	15.000	379.787	0.001	148,835.729	38,000.146	Free Surface	1.324	0.199	0.087	0.249	0.185	0.559	1,710,026.283	No	0.249	1.324
	TOE_2946-TOE_2947	TOE_2946	TOE_2947	15.000	248.186	0.002	148,835.729	38,000.146	Free Surface	1.453	0.187	0.076	0.233	0.185	0.635	1,952,390.266	No	0.233	1.453
	TOE_2947-TOE_2948	TOE_2947	TOE_2948	15.000	228.183	0.002	148,835.729	38,000.146	Free Surface	1.400	0.192	0.080	0.240	0.185	0.603	1,850,658.630	No	0.240	1.400
	TOE_2948-TOE_2949	TOE_2948	TOE_2949	18.000	340.001	0.001	148,835.729	38,000.146	Free Surface	1.190	0.167	0.060	0.250	0.177	0.504	2,465,361.598	No	0.250	1.190
	TOE_2949-VPF1_1	TOE_2949	VPF1_1	18.000	305.002	0.001	148,835.729	38,000.146	Free Surface	1.301	0.157	0.053	0.235	0.177	0.569	2,800,940.995	No	0.235	1.301
	TOE_2950-WWTP1	TOE_2950	WWTP1	36.000	82.011	0.002	5,447,280.129	2,621,166.213	Free Surface	3.542	0.370	0.292	1.111	0.916	0.689	18,643,236.672	No	1.111	3.542
	TOE_2951-TOE_2950	TOE_2951	TOE_2950	36.000	215.000	0.001	5,447,280.129	2,621,166.213	Free Surface	3.461	0.377	0.302	1.130	0.916	0.666	18,065,131.090	No	1.130	3.461
	TOE_2960-TOE_2748	TOE_2960	TOE_2748	12.000	375.067	0.016	911,866.884	312,199.082	Free Surface	5.424	0.366	0.286	0.366	0.503	1.839	3,192,365.157	No	0.366	5.424
	TOE_2962-TOE_2960	TOE_2962	TOE_2960	12.000	141.655	0.002	574,705.150	180,250.492	Free Surface	2.016	0.548	0.583	0.548	0.395	0.534	985,693.500	No	0.548	2.016
	TOE_2964-TOE_2960	TOE_2964	TOE_2960	12.000	14.142	0.021	185,393.375	47,999.502	Free Surface	3.760	0.153	0.051	0.153	0.220	2.036	3,642,905.269	Yes	0.290	1.520
	TOE_2965-TOE_2964	TOE_2965	TOE_2964	12.000	260.000	0.004	185,393.375	47,999.502	Free Surface	2.129	0.228	0.114	0.228	0.220	0.936	1,626,880.922	No	0.228	2.129
	TOE_2966-TOE_2965	TOE_2966	TOE_2965	12.000	274.110	0.026	185,393.375	47,999.502	Free Surface	4.052	0.146	0.046	0.146	0.220	2.255	4,053,687.141	No	0.146	4.052
	TOE_2967-TOE_2966	TOE_2967	TOE_2966	12.000	400.000	0.005	185,393.375	47,999.502	Free Surface	2.176	0.224	0.110	0.224	0.220	0.965	1,677,847.751	No	0.224	2.176
	TOE_2968-TOE_2969	TOE_2968	TOE_2969	12.000	29.106	0.017	185,393.375	47,999.502	Free Surface	3.491	0.161	0.057	0.161	0.220	1.841	3,278,251.079	No	0.161	3.491
	TOE_2969-TOE_2967	TOE_2969	TOE_2967	12.000	121.875	0.007	185,393.375	47,999.502	Free Surface	2.487	0.204	0.091	0.204	0.220	1.159	2,026,442.109	No	0.204	2.487
	TOE_2970-TOE_2971	TOE_2970	TOE_2971	12.000	280.000	0.004	185,393.375	47,999.502	Free Surface	2.005	0.238	0.124	0.238	0.220	0.862	1,494,744.776	No	0.238	2.005
	TOE_2971-TOE_2972	TOE_2971	TOE_2972	12.000	245.041	0.004	185,393.375	47,999.502	Free Surface	2.174	0.225	0.111	0.225	0.220	0.964	1,675,804.058	No	0.225	2.174
	TOE_2972-TOE_2968	TOE_2972	TOE_2968	12.000	140.000	0.006	185,393.375	47,999.502	Free Surface	2.368	0.212	0.098	0.212	0.220	1.084	1,890,719.351	No	0.212	2.368
	TOE_2973-FMF4_4_4	TOE_2973	FMF4_4_4	12.000	88.704	0.003	185,393.375	47,999.502	Free Surface	1.966	0.241	0.127	0.241	0.220	0.839	1,454,573.210	No	0.241	1.966
	TOE_2977-TOE_2733	TOE_2977	TOE_2733	8.000	117.630	0.033	250,316.923	67,199.015	Free Surface	5.007	0.273	0.163	0.182	0.290	2.446	1,532,743.993	Yes	0.252	3.198
	TOE_2978-TOE_2581	TOE_2978	TOE_2581	18.000	246.826	0.006	237,892.408	63,200.136	Free Surface	2.450	0.140	0.042	0.210	0.224	1.136	5,652,198.509	No	0.210	2.450
	TOE_2979-TOE_2582	TOE_2979	TOE_2582	18.000	266.276	0.005	237,892.408	63,200.136	Free Surface	2.239	0.149	0.048	0.223	0.224	1.006	4,971,130.152	No	0.223	2.239
	TOE_2980-TOE_2583	TOE_2980	TOE_2583	18.000	370.537	0.004	237,892.408	63,200.136	Free Surface	2.180	0.152	0.050	0.227	0.224	0.970	4,784,926.938	No	0.227	2.180
	TOE_2981-CHF3C_8	TOE_2981	CHF3C_8	18.000	183.500	0.009	134,026.302	33,949.427	Free Surface	2.395	0.096	0.019	0.144	0.167	1.349	7,001,296.122	No	0.144	2.395
	TOE_2982-TOE_2983	TOE_2982	TOE_2983	18.000	41.744	0.020	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	10,460,971.448	No	0.000	0.000
	TOE_2983-TOE_2576	TOE_2983	TOE_2576	18.000	147.819	0.030	134,026.302	33,949.427	Free Surface	3.662	0.072	0.010	0.108	0.167	2.388	12,866,766.566	No	0.108	3.662
	TOE_2984-TOE_2629	TOE_2984	TOE_2629	15.000	239.270	0.010	863,661.534	292,651.090	Free Surface	4.453	0.293	0.187	0.367	0.457	1.528	4,607,657.122	No	0.367	4.453
	TOE_2985-CFF1_31	TOE_2985	CFF1_31	12.000	328.016	0.007	393,085.517	114,649.877	Free Surface	3.149	0.294	0.189	0.294	0.324	1.206	2,080,710.568	No	0.294	3.149
	TOE_2986-TOE_2985	TOE_2986	TOE_2985	12.000	26.296	0.009	393,085.517	114,649.877	Free Surface	3.477	0.274	0.165	0.274	0.324	1.384	2,389,490.090	No	0.274	3.477
	TOE_2987-TOE_2991	TOE_2987	TOE_2991	12.000	403.065	0.004	281,232.804	77,149.411	Free Surface	2.423	0.280	0.171	0.280	0.273	0.955	1,648,076.623	No	0.280	2.423
	TOE_2988-TOE_2987	TOE_2988	TOE_2987	12.000	399.995	0.005	281,232.804	77,149.411	Free Surface	2.512	0.272	0.162	0.272	0.273	1.003	1,732,883.867	No	0.272	2.512
	TOE_2989-TOE_2988	TOE_2989	TOE_2988	12.000	398.629	0.005	281,232.804	77,149.411	Free Surface	2.533	0.271	0.160	0.271	0.273	1.015	1,753,840.209	No	0.271	2.533
	TOE_2990-CCF6_614	TOE_2990	CCF6_614	8.000	138.317	0.0													

EXISTING PIPE TABLE

	ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (gpd)	Peakable Flow (gpd)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth (ft)	Critical Depth	Froude Number	Full Flow (gpd)	Backwater Adjustment	Adjusted Depth	Adjusted Velocity
	TOE_3005-TOE_2800	TOE_3005	TOE_2800	36.000	9.211	0.018	4,650,673.278	2,171,465.902	Free Surface	8.121	0.183	0.073	0.549	0.844	2.316	63,615,880.152	No	0.549	8.121
	VPF1_103-VPF1_15A	VPF1_103	VPF1_15A	21.000	270.656	0.005	1,871,077.188	734,550.923	Free Surface	4.199	0.329	0.234	0.576	0.617	1.143	8,000,391.679	No	0.576	4.199
	VPF1_11-VPF1_12	VPF1_11	VPF1_12	21.000	383.454	0.009	1,749,417.890	678,051.105	Free Surface	4.998	0.276	0.167	0.484	0.596	1.497	10,474,621.665	No	0.484	4.998
	VPF1_126-VPF1_127	VPF1_126	VPF1_127	8.000	217.056	0.021	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,220,115.230	No	0.000	0.000
	VPF1_127-VPF1_128	VPF1_127	VPF1_128	8.000	198.724	0.022	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,256,557.008	No	0.000	0.000
	VPF1_128-VPF1_129	VPF1_128	VPF1_129	8.000	186.503	0.004	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	565,925.610	No	0.000	0.000
	VPF1_129-VPF1_130	VPF1_129	VPF1_130	8.000	116.246	0.011	83,998.048	20,999.512	Free Surface	2.481	0.208	0.094	0.138	0.165	1.404	890,184.725	No	0.138	2.481
	VPF1_12-VPF1_13	VPF1_12	VPF1_13	21.000	277.540	0.005	1,749,417.890	678,051.105	Free Surface	4.186	0.314	0.214	0.550	0.596	1.169	8,177,844.604	No	0.550	4.186
	VPF1_130-ECF21_131	VPF1_130	ECF21_131	8.000	243.303	0.043	83,998.048	20,999.512	Free Surface	4.000	0.149	0.048	0.099	0.165	2.694	1,753,907.078	No	0.099	4.000
	VPF1_13-VPF1_14	VPF1_13	VPF1_14	21.000	378.543	0.011	1,749,417.890	678,051.105	Free Surface	5.368	0.263	0.151	0.460	0.596	1.653	11,576,833.934	Yes	0.555	4.128
	VPF1_14-VPF1_15	VPF1_14	VPF1_15	21.000	183.524	0.001	1,749,417.890	678,051.105	Free Surface	2.334	0.486	0.476	0.851	0.596	0.505	3,672,178.088	No	0.851	2.334
	VPF1_15A-VPF1_16	VPF1_15A	VPF1_16	21.000	277.576	0.004	1,957,931.706	775,301.468	Free Surface	3.986	0.353	0.268	0.618	0.632	1.042	7,314,011.896	No	0.618	3.986
	VPF1_15-VPF1_58	VPF1_15	VPF1_58	21.000	302.374	0.001	1,749,417.890	678,051.105	Free Surface	2.508	0.460	0.432	0.804	0.596	0.562	4,045,882.904	No	0.804	2.508
	VPF1_16-VPF1_17	VPF1_16	VPF1_17	24.000	519.762	0.022	1,957,931.706	775,301.468	Free Surface	7.052	0.194	0.083	0.389	0.608	2.386	23,675,095.698	Yes	0.469	5.399
	VPF1_17-VPF1_18A	VPF1_17	VPF1_18A	24.000	516.132	0.002	1,957,931.706	775,301.468	Free Surface	2.820	0.375	0.299	0.749	0.608	0.667	6,557,887.935	No	0.749	2.820
	VPF1_18A-VPF1_19A	VPF1_18A	VPF1_19A	24.000	342.998	0.002	1,957,931.706	775,301.468	Free Surface	3.115	0.348	0.260	0.696	0.768	0.768	7,524,934.513	No	0.696	3.115
	VPF1_19A-VPF1_20A	VPF1_19A	VPF1_20A	24.000	471.360	0.002	1,957,931.706	775,301.468	Free Surface	3.095	0.350	0.262	0.699	0.608	0.762	7,460,076.687	No	0.699	3.095
	VPF1_1-VPF1_58	VPF1_1	VPF1_58	18.000	426.455	0.002	148,835.729	38,000.146	Free Surface	1.440	0.146	0.046	0.219	0.177	0.653	3,233,695.771	Yes	0.557	0.386
	VPF1_20A-VPF1_21A	VPF1_20A	VPF1_21A	24.000	393.842	0.002	1,957,931.706	775,301.468	Free Surface	3.018	0.356	0.272	0.713	0.608	0.735	7,202,514.822	No	0.713	3.018
	VPF1_21A-ECF21_22A	VPF1_21A	ECF21_22A	24.000	92.771	0.005	1,957,931.706	775,301.468	Free Surface	4.076	0.286	0.179	0.573	0.608	1.120	10,937,602.961	No	0.573	4.076
	VPF1_32A-VPF1_11	VPF1_32A	VPF1_11	21.000	126.479	0.016	1,749,417.890	678,051.105	Free Surface	6.141	0.239	0.125	0.418	0.596	1.991	13,988,184.722	No	0.418	6.141
	VPF1_58-VPF1_103	VPF1_58	VPF1_103	21.000	477.078	0.002	1,871,077.188	734,550.923	Free Surface	3.025	0.419	0.367	0.734	0.617	0.716	5,092,850.578	No	0.734	3.025
	VPF1_718-VPF1_7	VPF1_718	VPF1_7	18.000	341.600	0.011	1,714,724.848	662,051.271	Free Surface	5.392	0.322	0.225	0.483	0.618	1.604	7,633,266.557	No	0.483	5.392
	VPF1_7-VPF1_8	VPF1_7	VPF1_8	18.000	284.327	0.012	1,714,724.848	662,051.271	Free Surface	5.549	0.316	0.216	0.473	0.618	1.670	7,944,680.409	No	0.473	5.549
	VPF1_8-VPFE_10A	VPF1_8	VPFE_10A	18.000	430.730	0.005	1,714,724.848	662,051.271	Free Surface	3.954	0.405	0.345	0.607	0.618	1.032	4,974,554.461	No	0.607	3.954
	VPFE_10A-VPF1_32A	VPFE_10A	VPF1_32A	18.000	393.415	0.007	1,714,724.848	662,051.271	Free Surface	4.712	0.356	0.271	0.533	0.618	1.326	6,331,436.904	No	0.533	4.712
	VPFE_717-VPF1_718	VPFE_717	VPF1_718	10.000	222.961	0.026	606,067.531	192,025.368	Free Surface	5.798	0.337	0.245	0.281	0.429	2.255	2,472,239.579	No	0.281	5.798
	VRF1D_702-VRF1D_703	VRF1D_702	VRF1D_703	10.000	264.156	0.036	499,387.665	152,524.743	Free Surface	6.169	0.280	0.172	0.234	0.388	2.658	2,909,236.636	No	0.234	6.169
	VRF1D_703-VRF1D_704	VRF1D_703	VRF1D_704	10.000	273.597	0.022	499,387.665	152,524.743	Free Surface	5.221	0.316	0.217	0.263	0.388	2.105	2,304,210.739	No	0.263	5.221
	VRF1D_704-VRF1D_705	VRF1D_704	VRF1D_705	10.000	119.786	0.022	499,387.665	152,524.743	Free Surface	5.172	0.318	0.220	0.265	0.388	2.078	2,274,792.718	No	0.265	5.172
	VRF1D_705-VRF1D_707	VRF1D_705	VRF1D_707	10.000	128.235	0.023	499,387.665	152,524.743	Free Surface	5.254	0.315	0.215	0.262	0.388	2.124	2,325,003.942	No	0.262	5.254
	VRF1D_707-VRF1D_708	VRF1D_707	VRF1D_708	10.000	101.257	0.019	499,387.665	152,524.743	Free Surface	4.895	0.331	0.237	0.276	0.388	1.923	2,106,963.549	No	0.276	4.895
	VRF1D_708-VRF1D_709	VRF1D_708	VRF1D_709	10.000	114.157	0.009	499,387.665	152,524.743	Free Surface	3.780	0.401	0.339	0.334	0.388	1.332	1,475,150.080	No	0.334	3.780
	VRF1D_709-VRF1D_710	VRF1D_709	VRF1D_710	10.000	81.755	0.005	499,387.665	152,524.743	Free Surface	2.995	0.479	0.464	0.399	0.388	0.948	1,075,888.658	No	0.399	2.995
	VRF1D_710-VRF1D_711	VRF1D_710	VRF1D_711	10.000	135.900	0.005	499,387.665	152,524.743	Free Surface	3.004	0.478	0.462	0.398	0.388	0.952	1,079,993.881	No	0.398	3.004
	VRF1D_711-VRF1D_712	VRF1D_711	VRF1D_712	10.000	117.552	0.005	499,387.665	152,524.743	Free Surface	3.098	0.466	0.443	0.389	0.388	0.997	1,126,029.256	No	0.389	3.098
	VRF1D_712-VRF1D_713	VRF1D_712	VRF1D_713	10.000	119.736	0.005	499,387.665	152,524.743	Free Surface	2.926	0.488	0.479	0.406	0.388	0.916	1,042,469.353	No	0.406	2.926
	VRF1D_713-VRF1D_714	VRF1D_713	VRF1D_714	10.000	146.622	0.005	499,387.665	152,524.743	Free Surface	2.936	0.486	0.477	0.405	0.388	0.921	1,047,485.961	No	0.405	2.936
	VRF1D_714-VRF1D_715	VRF1D_714	VRF1D_715	10.000	144.757	0.007	499,387.665	152,524.743	Free Surface	3.501	0.425	0.376	0.354	0.388	1.192	1,328,573.212	No	0.354	3.501
	VRF1D_715-VRF1D_716	VRF1D_715	VRF1D_716	10.000	186.765	0.020	499,387.665	152,524.743	Free Surface	4.982	0.327	0.231	0.273	0.388	1.971	2,159,085.065	No	0.273	4.982
	VRF1D_716-TOE_2997	VRF1D_716	TOE_2997	10.000	174.246	0.011	606,067.531	192,025.368	Free Surface	4.237	0.426	0.377	0.355	0.429	1.441	1,606,160.052	Yes	0.362	4.128
	VRF1G_186-VRF1G_188	VRF1G_186	VRF1G_188	10.000	386.298	0.019	507,803.160	155,600.581	Free Surface	4.930	0.334	0.240	0.278	0.391	1.929	2,114,433.309	No	0.278	4.930
	VRF1G_188-VRF1G_204	VRF1G_188	VRF1G_204	10.000	200.334	0.007	507,803.160	155,600.581	Free Surface	3.487	0.432	0.387	0.360	0.391	1.176	1,313,083.968	No	0.360	3.487
	VRF1G_204-VRF1G_205	VRF1G_204	VRF1G_205	12.000	221.868	0.005	507,803.160	155,600.581	Free Surface	2.929	0.374	0.298	0.374	0.370	0.981	1,704,187.884	No	0.374	2.929
	VRF1G_205-VRGC2_206	VRF1G_205	VRGC2_206	12.000	209.684	0.004	507,803.160	155,600.581	Free Surface	2.881	0.379	0.305	0.379	0.370	0.958	1,665,730.837	No	0.379	2.881
	VRGC1_698-VRGC1_699	VRGC1_698	VRGC1_699	10.000	204.736	0.012	499,387.665	152,524.743	Free Surface	4.185	0.372	0.294	0.310	0.388	1.540	1,696,275.750	No	0.310	4.185
	VRGC1_699-TOE_2673	VRGC1_699	TOE_2673	10.000	399.007	0.019	499,387.665	152,524.743	Free Surface	4.882	0.332	0.238	0.277	0.388	1.916	2,098,929.430	No	0.277	4.882
	VRGC2_206-VRGC2_544	VRGC2_206	VRGC2_544	12.000	381.521	0.019	507,803.160	155,600.581	Free Surface	4.874	0.259	0.147	0.259	0.370	2.002	3,462,149.029	No	0.259	4.874
	VRGC2_526-VRGC2_527	VRGC2_526	VRGC2_527	12.000	333.897	0.013	554,517.825	172,674.655	Free Surface	4.380	0.298	0.193	0.298	0.388	1.667	2,877,737.546	No	0.298	4.380
	VRGC2_527-VRGC2_543	VRGC2_527	VRGC2_543	12.000	365.877	0.022	744,864.392	245,424.868	Free Surface	5.730	0.303	0.200	0.303	0.452	2.159	3,726,120.442	No	0.303	5.730
	VRGC2_543-VRGC2_544	VRGC2_543	VRGC2_544	12.000	414.462	0.004	744,864.392	245,424.868	Free Surface	3.036	0.487	0.478	0.487	0.452	0.868	1,558,894.535	No	0.487	3.036
	VRGC2_544-VRGC2_545	VRGC2_544	VRGC2_545	12.000	424.950	0.012	1,125,378.023	401,025.449	Free Surface	5.159	0.445	0.408	0.445	0.561	1.560	2,758,815.575	No	0.445	5.159
	VRGC2_545-VRGC2_580	VRGC2_545	VRGC2_580	15.000	295.290	0.004	1,125,378.023	401,025.449	Free Surface	3.519	0.424	0.374	0.530	0.524	0.980	3,009,008.765	No	0.530	3.519
	VRGC2_580-VRGC2_581	VRGC2_580	VRGC2_581	15.000	232.815	0.005	1,125,378.023	401,025.449	Free Surface	3.807	0.399	0.336	0.499	0.524	1.098	3,349,445.450	No	0.499	3.807

EXISTING PIPE TABLE

	ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (gpd)	Peakable Flow (gpd)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth (ft)	Critical Depth	Froude Number	Full Flow (gpd)	Backwater Adjustment	Adjusted Depth	Adjusted Velocity
<input type="checkbox"/>	VRGC4_389-VRGC4_415	VRGC4_389	VRGC4_415	10.000	189.101	0.007	495,900.908	151,250.343	Free Surface	3.362	0.436	0.393	0.363	0.387	1.127	1,260,514.724	No	0.363	3.362
<input type="checkbox"/>	VRGC4_415-VRGC4_416	VRGC4_415	VRGC4_416	10.000	398.517	0.004	495,900.908	151,250.343	Free Surface	2.796	0.502	0.504	0.419	0.387	0.859	983,702.686	No	0.419	2.796
<input type="checkbox"/>	VRGC4_416-VRGC4_417	VRGC4_416	VRGC4_417	10.000	383.546	0.006	495,900.908	151,250.343	Free Surface	3.250	0.447	0.412	0.373	0.387	1.073	1,203,978.104	No	0.373	3.250
<input type="checkbox"/>	VRGC4_417-VRGC4_418	VRGC4_417	VRGC4_418	10.000	400.664	0.060	495,900.908	151,250.343	Free Surface	7.384	0.245	0.132	0.205	0.387	3.419	3,754,304.275	No	0.205	7.384
<input type="checkbox"/>	VRGC4_418-VRGC4_419	VRGC4_418	VRGC4_419	10.000	405.006	0.008	554,517.825	172,674.655	Free Surface	3.722	0.439	0.399	0.366	0.410	1.242	1,390,518.069	No	0.366	3.722
<input type="checkbox"/>	VRGC4_419-VRGC4_420	VRGC4_419	VRGC4_420	10.000	192.748	0.017	554,517.825	172,674.655	Free Surface	4.848	0.360	0.278	0.300	0.410	1.817	1,997,285.306	No	0.300	4.848
<input type="checkbox"/>	VRGC4_420-TOE_2809	VRGC4_420	TOE_2809	10.000	333.343	0.017	554,517.825	172,674.655	Free Surface	4.904	0.357	0.273	0.298	0.410	1.846	2,028,905.449	No	0.298	4.904
<input type="checkbox"/>	VRGC6_183-VRGC6_184	VRGC6_183	VRGC6_184	10.000	185.714	0.006	507,803.160	155,600.581	Free Surface	3.240	0.456	0.427	0.380	0.391	1.057	1,189,139.609	No	0.380	3.240
<input type="checkbox"/>	VRGC6_184-VRGC6_185	VRGC6_184	VRGC6_185	10.000	320.324	0.014	507,803.160	155,600.581	Free Surface	4.451	0.360	0.277	0.300	0.391	1.670	1,835,191.860	No	0.300	4.451
<input type="checkbox"/>	VRGC6_185-VRF1G_186	VRGC6_185	VRF1G_186	10.000	172.691	0.023	507,803.160	155,600.581	Free Surface	5.329	0.315	0.216	0.263	0.391	2.152	2,355,518.068	No	0.263	5.329
<input type="checkbox"/>	WCR10_1-I25_23	WCR10	I25_23	8.000	2,558.000	0.016	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,076,226.721	No	0.000	0.000
<input type="checkbox"/>	WCR3_1	WCR3_80	TOE_2886	15.000	19.110	0.029	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	7,693,555.671	No	0.000	0.000
<input type="checkbox"/>	WCR3_10	WCR3_86A	WCR3_86B	15.000	312.840	0.009	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	4,336,086.901	No	0.000	0.000
<input type="checkbox"/>	WCR3_11	WCR3_87	WCR3_86A	15.000	256.720	0.009	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	4,311,121.273	No	0.000	0.000
<input type="checkbox"/>	WCR3_12	WCR3_88	WCR3_87	15.000	216.760	0.009	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	4,290,297.352	No	0.000	0.000
<input type="checkbox"/>	WCR3_13	WCR3_89	WCR3_88	15.000	287.980	0.009	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	4,300,756.138	No	0.000	0.000
<input type="checkbox"/>	WCR3_14	WCR3_90	WCR3_89	15.000	252.970	0.016	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	5,652,464.771	No	0.000	0.000
<input type="checkbox"/>	WCR3_15	WCR3_91	WCR3_90	15.000	235.590	0.006	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	3,654,629.780	No	0.000	0.000
<input type="checkbox"/>	WCR3_16	WCR3_92	WCR3_91	15.000	257.920	0.007	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	3,660,060.214	No	0.000	0.000
<input type="checkbox"/>	WCR3_17	WCR3_93	WCR3_92	15.000	197.900	0.007	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	3,689,681.258	No	0.000	0.000
<input type="checkbox"/>	WCR3_18	WCR3_94	WCR3_93	15.000	235.700	0.021	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	6,598,520.663	No	0.000	0.000
<input type="checkbox"/>	WCR3_19	WCR3_94A	WCR3_94	15.000	300.050	0.006	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	3,560,944.034	No	0.000	0.000
<input type="checkbox"/>	WCR3_20	WCR3_81	WCR3_80	15.000	41.840	0.045	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	9,613,005.398	No	0.000	0.000
<input type="checkbox"/>	WCR3_22	WCR3_95	WCR3_94A	15.000	130.720	0.007	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	3,866,044.802	No	0.000	0.000
<input type="checkbox"/>	WCR3_21	WCR3_96	WCR3_95	15.000	399.710	0.007	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	3,657,549.957	No	0.000	0.000
<input type="checkbox"/>	WCR3_22	WCR3_97	WCR3_96	15.000	343.810	0.007	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	3,660,503.753	No	0.000	0.000
<input type="checkbox"/>	WCR3_23	WCR3_98	WCR3_97	15.000	374.890	0.011	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	4,719,404.348	No	0.000	0.000
<input type="checkbox"/>	WCR3_24	WCR3_99	WCR3_98	15.000	241.920	0.006	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	3,653,339.553	No	0.000	0.000
<input type="checkbox"/>	WCR3_25	WCR3_100	WCR3_99	15.000	236.560	0.023	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	6,858,104.151	No	0.000	0.000
<input type="checkbox"/>	WCR3_26	WCR3_100A	WCR3_100	15.000	235.090	0.007	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	3,670,450.588	No	0.000	0.000
<input type="checkbox"/>	WCR3_27	WCR3_100B	WCR3_100A	15.000	244.690	0.006	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	3,655,666.350	No	0.000	0.000
<input type="checkbox"/>	WCR3_28	WCR3_101	WCR3_100B	15.000	243.950	0.007	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	3,661,206.717	No	0.000	0.000
<input type="checkbox"/>	WCR3_29	WCR3_102	WCR3_101	15.000	138.520	0.007	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	3,755,620.152	No	0.000	0.000
<input type="checkbox"/>	WCR3_30	WCR3_82	WCR3_81	15.000	68.170	0.006	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	3,643,391.080	No	0.000	0.000
<input type="checkbox"/>	WCR3_30	WCR3_103	WCR3_102	15.000	184.390	0.012	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	5,009,549.547	No	0.000	0.000
<input type="checkbox"/>	WCR3_31	WCR3_115	WCR3_103	15.000	335.280	0.007	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	3,656,794.225	No	0.000	0.000
<input type="checkbox"/>	WCR3_32	WCR3_114	WCR3_115	15.000	141.390	0.011	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	4,839,268.180	No	0.000	0.000
<input type="checkbox"/>	WCR3_33	WCR3_113A	WCR3_114	15.000	103.030	0.011	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	4,685,873.845	No	0.000	0.000
<input type="checkbox"/>	WCR3_34	WCR3_113	WCR3_113A	15.000	287.860	0.004	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	2,866,383.922	No	0.000	0.000
<input type="checkbox"/>	WCR3_35	WCR3_112	WCR3_113	15.000	300.000	0.004	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	2,868,177.966	No	0.000	0.000
<input type="checkbox"/>	WCR3_36	WCR3_111	WCR3_112	15.000	166.950	0.014	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	5,414,662.181	No	0.000	0.000
<input type="checkbox"/>	WCR3_37	WCR3_110	WCR3_111	15.000	400.000	0.004	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	2,868,177.966	No	0.000	0.000
<input type="checkbox"/>	WCR3_38	WCR3_19	WCR3_110	15.000	400.000	0.004	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	2,868,177.966	No	0.000	0.000
<input type="checkbox"/>	WCR3_39	WCR3_18	WCR3_19	15.000	400.000	0.004	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	2,868,177.966	No	0.000	0.000
<input type="checkbox"/>	WCR3_4	WCR3_83	WCR3_82	15.000	417.560	0.006	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	3,653,434.289	No	0.000	0.000
<input type="checkbox"/>	WCR3_40	WCR3_17	WCR3_18	15.000	400.000	0.005	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	3,206,720.452	No	0.000	0.000
<input type="checkbox"/>	WCR3_41	WCR3_16	WCR3_17	15.000	361.260	0.005	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	3,210,003.073	No	0.000	0.000
<input type="checkbox"/>	WCR3_42	WCR3_15	WCR3_16	15.000	314.500	0.005	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	3,214,358.542	No	0.000	0.000
<input type="checkbox"/>	WCR3_43	WCR3_14	WCR3_15	15.000	314.500	0.014	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	5,388,368.141	No	0.000	0.000
<input type="checkbox"/>	WCR3_44	WCR3-I_3	WCR3_14	15.000	275.980	0.005	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	3,206,836.644	No	0.000	0.000
<input type="checkbox"/>	WCR3_45	WCR3_12	WCR3-I_3	15.000	160.140	0.005	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	3,205,318.432	No	0.000	0.000
<input type="checkbox"/>	WCR3_46	WCR3_11A	WCR3_12	15.000	432.890	0.004	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	2,883,409.647	No	0.000	0.000
<input type="checkbox"/>	WCR3_47	WCR3_11	WCR3_11A	15.000	92.930	0.005	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	3,359,566.322	No	0.000	0.000
<input type="checkbox"/>	WCR3_48	WCR3_H134	WCR3_11	15.000	91.980	0.006	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	3,474,771.708	No	0.000	0.000
<input type="checkbox"/>	WCR3_49	WCR3_H135	WCR3_H134	12.000	399.920	0.012	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	2,791,092.806	No	0.000	0.000
<input type="checkbox"/>	WCR3_5	WCR3_84	WCR3_83	15.000	224.580	0.007	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	3,656,511.879	No	0.000	0.000
<input type="checkbox"/>	WCR3_50	WCR3_H136	WCR3_H135	12.000	283.570	0.006	0.000	0.000	Free Surface	0.000	0.000	0.000	0.0						

EXISTING PIPE TABLE

	ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (gpd)	Peakable Flow (gpd)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth (ft)	Critical Depth	Froude Number	Full Flow (gpd)	Backwater Adjustment	Adjusted Depth	Adjusted Velocity
	WCR3_53	WCR3_H139	WCR3_H138	12.000	246.720	0.006	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,950,247.003	No	0.000	0.000
	WCR3_54	WCR3_H140	WCR3_H139	12.000	227.850	0.011	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	2,609,441.060	No	0.000	0.000
	WCR3_55	WCR3_H141	WCR3_H140	12.000	53.120	0.004	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,609,638.959	No	0.000	0.000
	WCR3_56	WCR3_H146	WCR3_H141	10.000	257.260	0.016	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,965,314.469	No	0.000	0.000
	WCR3_57	WCR3_H164	WCR3_H146	10.000	335.000	0.004	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	994,340.556	No	0.000	0.000
	WCR3_58	WCR3_H165	WCR3_H164	10.000	120.000	0.004	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	992,859.780	No	0.000	0.000
	WCR3_59	WCR3_H171	WCR3_H165	10.000	285.000	0.004	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	911,110.620	No	0.000	0.000
	WCR3_6	WCR3_85	WCR3_84	15.000	467.190	0.008	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	4,089,979.476	No	0.000	0.000
	WCR3_60	WCR3_184	WCR3_H171	10.000	159.830	0.008	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,387,190.371	No	0.000	0.000
	WCR3_61	WCR3_H185	WCR3_184	10.000	293.160	0.010	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,503,211.876	No	0.000	0.000
	WCR3_62	WCR3_H186	WCR3_H185	10.000	293.160	0.021	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	2,254,817.814	No	0.000	0.000
	WCR3_63	WCR3_H187	WCR3_H186	10.000	51.940	0.021	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	2,238,406.245	No	0.000	0.000
	WCR3_64	WCR3_H188	WCR3_H187	8.000	231.710	0.006	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	682,553.736	No	0.000	0.000
	WCR3_65	WCR3_H189	WCR3_H188	8.000	363.310	0.007	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	717,648.209	No	0.000	0.000
	WCR3_66	WCR3_H190	WCR3_H189	8.000	195.020	0.007	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	718,766.867	No	0.000	0.000
	WCR3_67	WCR3_H191	WCR3_H190	8.000	278.060	0.006	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	678,741.415	No	0.000	0.000
	WCR3_68	WCR3_H192	WCR3_H191	8.000	256.990	0.011	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	879,144.040	No	0.000	0.000
	WCR3_69	WCR3_H192A	WCR3_H192	8.000	280.180	0.013	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	950,859.552	No	0.000	0.000
	WCR3_7	WCR3_86	WCR3_85	15.000	387.790	0.007	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	3,677,459.401	No	0.000	0.000
	WCR3_70	WCR3_H193	WCR3_H192A	8.000	121.000	0.025	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,335,769.582	No	0.000	0.000
	WCR3_71	WCR3_H194	WCR3_H193	8.000	327.200	0.012	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	917,817.527	No	0.000	0.000
	WCR3_72	WCR3_H133	WCR3_H134	10.000	175.710	0.016	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,958,924.643	No	0.000	0.000
	WCR3_73	WCR3_H132	WCR3_H133	10.000	145.240	0.006	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,141,551.246	No	0.000	0.000
	WCR3_74	WCR3_H131	WCR3_H132	10.000	65.280	0.009	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,474,616.508	No	0.000	0.000
	WCR3_75	WCR3_H130	WCR3_H131	8.000	235.650	0.014	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,003,891.681	No	0.000	0.000
	WCR3_76	WCR3_H129	WCR3_H130	8.000	300.000	0.005	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	599,858.213	No	0.000	0.000
	WCR3_77	WCR3_H128	WCR3_H129	8.000	348.630	0.005	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	592,387.233	No	0.000	0.000
	WCR3_78	WCR3_H127	WCR3_H128	8.000	232.240	0.009	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	787,245.331	No	0.000	0.000
	WCR3_79	WCR3_H126	WCR3_H127	8.000	111.860	0.004	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	555,708.217	No	0.000	0.000
	WCR3_8	WCR3_86C	WCR3_86	15.000	192.490	0.010	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	4,529,211.774	No	0.000	0.000
	WCR3_80	WCR3_H125	WCR3_H126	8.000	163.480	0.005	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	600,811.475	No	0.000	0.000
	WCR3_9	WCR3_86B	WCR3_86C	15.000	303.380	0.009	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	4,301,936.044	No	0.000	0.000
	WCR5_10-WCR5_11	WCR5_10	WCR5_11	12.000	165.680	0.018	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	3,371,276.495	No	0.000	0.000
	WCR5_11-WCR5_12	WCR5_11	WCR5_12	12.000	374.150	0.018	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	3,369,443.514	No	0.000	0.000
	WCR5_12-WCR5_13	WCR5_12	WCR5_13	12.000	277.850	0.014	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	2,963,283.964	No	0.000	0.000
	WCR5_13-WCR5_14	WCR5_13	WCR5_14	12.000	196.370	0.010	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	2,460,284.883	No	0.000	0.000
	WCR5_14-WCR5_15	WCR5_14	WCR5_15	12.000	168.090	0.011	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	2,659,206.292	No	0.000	0.000
	WCR5_15-WCR5_16	WCR5_15	WCR5_16	12.000	371.750	0.016	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	3,150,987.534	No	0.000	0.000
	WCR5_16-WCR5_17	WCR5_16	WCR5_17	12.000	306.640	0.013	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	2,820,746.567	No	0.000	0.000
	WCR5_17-WCR5_18	WCR5_17	WCR5_18	12.000	346.280	0.011	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	2,654,390.210	No	0.000	0.000
	WCR5_18-WCR5_19	WCR5_18	WCR5_19	12.000	195.440	0.020	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	3,533,228.658	No	0.000	0.000
	WCR5_19-WCR5_20	WCR5_19	WCR5_20	12.000	730.040	0.014	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	2,912,664.328	No	0.000	0.000
	WCR5_1-WCR5_2	WCR5_1	WCR5_2	10.000	1,986.790	0.004	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	976,028.614	No	0.000	0.000
	WCR5_20-WCR5_21	WCR5_20	WCR5_21	12.000	399.480	0.007	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	2,134,740.756	No	0.000	0.000
	WCR5_21-WCR5_22	WCR5_21	WCR5_22	12.000	1,025.410	0.015	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	3,113,575.077	No	0.000	0.000
	WCR5_22-WCR5_23	WCR5_22	WCR5_23	15.000	441.760	0.002	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	2,046,935.507	No	0.000	0.000
	WCR5_23-WCR5_24	WCR5_23	WCR5_24	15.000	660.870	0.009	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	4,284,933.502	No	0.000	0.000
	WCR5_24-WCR5_25	WCR5_24	WCR5_25	15.000	866.430	0.006	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	3,445,040.731	No	0.000	0.000
	WCR5_25-WCR5_26	WCR5_25	WCR5_26	15.000	411.850	0.005	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	3,183,864.549	No	0.000	0.000
	WCR5_26-WCR5_27	WCR5_26	WCR5_27	15.000	353.460	0.005	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	3,181,856.484	No	0.000	0.000
	WCR5_27-WCR5_28	WCR5_27	WCR5_28	15.000	231.180	0.005	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	3,170,590.774	No	0.000	0.000
	WCR5_28-WCR5_29	WCR5_28	HWY52_5	15.000	1,193.690	0.015	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	5,476,835.631	No	0.000	0.000
	WCR5_2-WCR5_3	WCR5_2	WCR5_3	10.000	539.910	0.011	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,607,899.348	No	0.000	0.000
	WCR5_3-WCR5_4	WCR5_3	WCR5_4	10.000	1,192.000	0.015	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,883,292.112	No	0.000	0.000
	WCR5_4-WCR5_5	WCR5_4	WCR5_5	12.000	580.040	0.003	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,431,508.715	No	0.000	0.000
	WCR5_5-WCR5_6	WCR5_5	WCR5_6	12.000	871.120	0.003	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,326,447.964	No	0.000	0.000
	WCR5_6-WCR5_7	WCR5_6	WCR5_7	12.000	443.620	0.003	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,327,686.733	No	0.000	0.000
	WCR5_7-WCR5_8	WCR5_7	WCR5_8	12.000	490.120	0.016	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	3,175,473.560	No	0.000	0.000
	WCR5_8-WCR5_9	WCR5_8	WCR5_9	12.000	559.300	0.021	0.000	0.000	Free Surface	0.000	0.000	0.000	0						

EXISTING PIPE TABLE

	ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (gpd)	Peakable Flow (gpd)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth (ft)	Critical Depth	Froude Number	Full Flow (gpd)	Backwater Adjustment	Adjusted Depth	Adjusted Velocity
<input type="checkbox"/>	WCR5_9-WCR5_10	WCR5_9	WCR5_10	12.000	822.970	0.022	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	3,688,762.390	No	0.000	0.000
<input type="checkbox"/>	WCR7_10-WCR7_11	WCR7_10	WCR7_11	8.000	541.220	0.007	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	720,126.831	No	0.000	0.000
<input type="checkbox"/>	WCR7_11-WCR7_12	WCR7_11	WCR7_12	8.000	386.680	0.005	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	594,654.285	No	0.000	0.000
<input type="checkbox"/>	WCR7_12-WCR7_13	WCR7_12	WCR7_13	10.000	582.070	0.010	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,548,573.905	No	0.000	0.000
<input type="checkbox"/>	WCR7_13-WCR7_14	WCR7_13	WCR7_14	10.000	686.300	0.009	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,426,141.262	No	0.000	0.000
<input type="checkbox"/>	WCR7_14-WCR7_15	WCR7_14	WCR7_15	10.000	269.660	0.007	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,291,106.520	No	0.000	0.000
<input type="checkbox"/>	WCR7_15-WCR7_16	WCR7_15	WCR7_16	10.000	495.150	0.008	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,382,468.177	No	0.000	0.000
<input type="checkbox"/>	WCR7_16-WCR7_17	WCR7_16	WCR7_17	10.000	307.790	0.006	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,195,701.456	No	0.000	0.000
<input type="checkbox"/>	WCR7_17-WCR7_18	WCR7_17	WCR7_18	10.000	565.400	0.003	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	877,454.384	No	0.000	0.000
<input type="checkbox"/>	WCR7_18-I25_36	WCR7_18	I25_36	10.000	1,385.670	0.011	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,579,387.657	No	0.000	0.000
<input type="checkbox"/>	WCR7_1-WCR7_2	WCR7_1	WCR7_2	8.000	799.050	0.022	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,269,705.921	No	0.000	0.000
<input type="checkbox"/>	WCR7_2-WCR7_3	WCR7_2	WCR7_3	8.000	815.360	0.020	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,184,642.934	No	0.000	0.000
<input type="checkbox"/>	WCR7_3-WCR7_4	WCR7_3	WCR7_4	8.000	766.230	0.016	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,057,200.871	No	0.000	0.000
<input type="checkbox"/>	WCR7_4-WCR7_5	WCR7_4	WCR7_5	8.000	477.510	0.012	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	942,971.089	No	0.000	0.000
<input type="checkbox"/>	WCR7_5-WCR7_6	WCR7_5	WCR7_6	8.000	442.930	0.018	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,132,947.029	No	0.000	0.000
<input type="checkbox"/>	WCR7_6-WCR7_7	WCR7_6	WCR7_7	8.000	234.100	0.017	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,094,952.309	No	0.000	0.000
<input type="checkbox"/>	WCR7_7-WCR7_8	WCR7_7	WCR7_8	8.000	1,045.230	0.017	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,110,156.458	No	0.000	0.000
<input type="checkbox"/>	WCR7_8-WCR7_9	WCR7_8	WCR7_9	8.000	308.600	0.013	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	954,891.495	No	0.000	0.000
<input type="checkbox"/>	WCR7_9-WCR7_10	WCR7_9	WCR7_10	8.000	479.290	0.012	0.000	0.000	Free Surface	0.000	0.000		0.000	0.000	0.000	941,218.444	No	0.000	0.000

FULL BUILDOUT MANHOLE TABLE

	ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
<input type="checkbox"/>	AIF1_119	5,068.710	0.000	0.000	0.000	5,058.105	Not Full	Yes	-0.525	10.605
<input type="checkbox"/>	ARF1_12	5,190.400	0.000	0.000	0.000	5,179.325	Not Full	Yes	-0.361	11.075
<input type="checkbox"/>	ARF1_16	5,191.000	0.000	0.000	0.000	5,181.046	Not Full	No	-0.440	9.954
<input type="checkbox"/>	ARF1_17	5,195.200	0.000	0.000	0.000	5,184.039	Not Full	No	-0.428	11.161
<input type="checkbox"/>	ARF1_2	5,190.990	0.000	0.000	0.000	5,173.835	Not Full	Yes	-0.568	17.155
<input type="checkbox"/>	ARF1_28	5,201.050	0.000	0.000	0.000	5,189.726	Not Full	No	-0.470	11.324
<input type="checkbox"/>	ARF1_29	5,202.190	0.000	0.000	0.000	5,190.762	Not Full	No	-0.445	11.428
<input type="checkbox"/>	ARF1_3	5,188.520	0.000	0.000	0.000	5,176.105	Not Full	No	-0.402	12.415
<input type="checkbox"/>	ARF1_31	5,204.680	0.000	0.000	0.000	5,193.923	Not Full	No	-0.424	10.757
<input type="checkbox"/>	ARF1_32	5,205.700	0.000	0.000	0.000	5,194.954	Not Full	No	-0.412	10.746
<input type="checkbox"/>	ARF1_33	5,208.560	0.000	0.000	0.000	5,197.197	Not Full	No	-0.430	11.363
<input type="checkbox"/>	ARF1_34	5,209.050	0.000	0.000	0.000	5,198.223	Not Full	No	-0.394	10.827
<input type="checkbox"/>	ARF1_35	5,209.820	0.000	0.000	0.000	5,198.953	Not Full	Yes	-0.384	10.867
<input type="checkbox"/>	ARF1_36	5,213.560	0.000	0.000	0.000	5,201.344	Not Full	No	-0.422	12.216
<input type="checkbox"/>	ARF1_37	5,213.040	0.000	0.000	0.000	5,202.254	Not Full	No	-0.402	10.786
<input type="checkbox"/>	ARF1_4	5,189.400	0.000	0.000	0.000	5,178.020	Not Full	No	-0.456	11.380
<input type="checkbox"/>	ARF2_1	5,214.270	0.000	0.000	0.000	5,205.588	Not Full	No	-0.418	8.682
<input type="checkbox"/>	ARF2_2	5,217.170	59,250.218	225,620.011	0.000	5,206.685	Not Full	No	-0.401	10.485
<input type="checkbox"/>	BFF1_61	5,112.000	0.000	0.000	0.000	5,100.440	Not Full	No	-0.667	11.560
<input type="checkbox"/>	BFF1_62	5,110.000	0.000	0.000	0.000	5,098.440	Not Full	No	-0.667	11.560
<input type="checkbox"/>	BFF1_63	5,110.000	16,750.074	67,000.295	0.000	5,096.848	Not Full	No	-0.529	13.152
<input type="checkbox"/>	CCF3_39E	5,127.025	28,500.469	114,001.877	0.000	5,116.712	Not Full	No	-0.536	10.313
<input type="checkbox"/>	CCF3_60	5,134.515	0.000	0.000	0.000	5,123.515	Not Full	No	-0.833	11.000
<input type="checkbox"/>	CCF3_60A	5,126.015	42,999.824	167,114.552	0.000	5,118.147	Not Full	No	-0.602	7.868
<input type="checkbox"/>	CCF4_41	5,130.900	36,750.226	144,266.023	0.000	5,119.318	Not Full	No	-0.428	11.582
<input type="checkbox"/>	CCF4_42	5,139.500	0.000	0.000	0.000	5,127.781	Not Full	No	-0.536	11.719
<input type="checkbox"/>	CCF4_43	5,148.430	0.000	0.000	0.000	5,136.711	Not Full	No	-0.536	11.719
<input type="checkbox"/>	CCF4_44	5,154.330	0.000	0.000	0.000	5,142.559	Not Full	No	-0.518	11.771
<input type="checkbox"/>	CCF4_45	5,160.270	0.000	0.000	0.000	5,148.499	Not Full	No	-0.518	11.771
<input type="checkbox"/>	CCF6_105	5,098.110	163,118.819	528,373.057	0.000	5,087.055	Not Full	No	-0.675	11.055
<input type="checkbox"/>	CCF6_106	5,098.070	0.000	0.000	0.000	5,082.130	Not Full	No	-0.670	15.940
<input type="checkbox"/>	CCF6_610	5,118.330	0.000	0.000	0.000	5,107.882	Not Full	No	-0.454	10.448
<input type="checkbox"/>	CCF6_611	5,120.270	0.000	0.000	0.000	5,109.711	Not Full	No	-0.446	10.559
<input type="checkbox"/>	CCF6_612	5,123.450	0.000	0.000	0.000	5,112.276	Not Full	No	-0.451	11.174
<input type="checkbox"/>	CCF6_613	5,124.860	0.000	0.000	0.000	5,113.857	Not Full	No	-0.429	11.003
<input type="checkbox"/>	CCF6_614	5,125.820	0.000	0.000	0.000	5,114.978	Not Full	No	-0.418	10.842
<input type="checkbox"/>	CCF6_615	5,110.580	0.000	0.000	0.000	5,095.868	Not Full	No	-0.842	14.712
<input type="checkbox"/>	CCF6_68	5,111.480	0.000	0.000	0.000	5,098.505	Not Full	No	-0.452	12.975
<input type="checkbox"/>	CCF6_69	5,113.690	0.000	0.000	0.000	5,102.377	Not Full	No	-0.450	11.313
<input type="checkbox"/>	CCF9_46	5,168.820	31,499.988	125,071.153	0.000	5,150.273	Not Full	No	-0.463	18.547
<input type="checkbox"/>	CFF1_17	5,094.225	0.000	0.000	0.000	5,082.902	Not Full	No	-0.893	11.323

FULL BUILDOUT MANHOLE TABLE

	ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
<input type="checkbox"/>	CFF1_18	5,096.025	0.000	0.000	0.000	5,085.239	Not Full	No	-0.896	10.786
<input type="checkbox"/>	CFF1_19	5,097.625	0.000	0.000	0.000	5,086.777	Not Full	No	-0.888	10.848
<input type="checkbox"/>	CFF1_19B1	5,098.735	0.000	0.000	0.000	5,087.732	Not Full	No	-0.703	11.003
<input type="checkbox"/>	CFF1_19B2	5,100.735	0.000	0.000	0.000	5,088.838	Not Full	No	-0.688	11.898
<input type="checkbox"/>	CFF1_20	5,101.125	0.000	0.000	0.000	5,089.669	Not Full	No	-0.696	11.456
<input type="checkbox"/>	CFF1_21	5,103.925	33,750.707	133,299.782	0.000	5,092.002	Not Full	No	-0.693	11.923
<input type="checkbox"/>	CFF1_22	5,106.175	0.000	0.000	0.000	5,093.663	Not Full	No	-0.702	12.512
<input type="checkbox"/>	CFF1_22A	5,112.405	0.000	0.000	0.000	5,100.620	Not Full	No	-0.619	11.785
<input type="checkbox"/>	CFF1_22B	5,106.965	0.000	0.000	0.000	5,095.280	Not Full	No	-0.618	11.685
<input type="checkbox"/>	CFF1_22C	5,104.765	56,250.699	215,559.751	0.000	5,093.045	Not Full	No	-0.554	11.720
<input type="checkbox"/>	CFF1_22D	5,107.255	0.000	0.000	0.000	5,095.055	Not Full	No	-0.833	12.200
<input type="checkbox"/>	CFF1_22E	5,106.875	0.000	0.000	0.000	5,096.885	Not Full	No	-0.833	9.990
<input type="checkbox"/>	CFF1_22F1	5,108.455	0.000	0.000	0.000	5,098.345	Not Full	No	-0.833	10.110
<input type="checkbox"/>	CFF1_23	5,105.785	0.000	0.000	0.000	5,095.091	Not Full	No	-0.714	10.694
<input type="checkbox"/>	CFF1_24	5,106.475	0.000	0.000	0.000	5,096.259	Not Full	No	-0.716	10.216
<input type="checkbox"/>	CFF1_25	5,107.655	0.000	0.000	0.000	5,097.654	Not Full	No	-0.711	10.001
<input type="checkbox"/>	CFF1_26	5,110.015	0.000	0.000	0.000	5,100.250	Not Full	No	-0.715	9.765
<input type="checkbox"/>	CFF1_27	5,113.825	0.000	0.000	0.000	5,103.575	Not Full	No	-0.720	10.250
<input type="checkbox"/>	CFF1_28	5,116.225	0.000	0.000	0.000	5,105.505	Not Full	No	-0.720	10.720
<input type="checkbox"/>	CFF1_29	5,122.135	0.000	0.000	0.000	5,109.242	Not Full	No	-0.773	12.893
<input type="checkbox"/>	CFF1_30	5,125.325	0.000	0.000	0.000	5,115.002	Not Full	No	-0.773	10.323
<input type="checkbox"/>	CFF1_31	5,128.455	0.000	0.000	0.000	5,116.604	Not Full	No	-0.721	11.851
<input type="checkbox"/>	CHF1A_22	5,068.620	73,249.892	269,117.000	0.000	5,055.905	Not Full	No	-1.095	12.715
<input type="checkbox"/>	CHF1A_23	5,070.640	0.000	0.000	0.000	5,052.596	Not Full	No	-1.114	18.044
<input type="checkbox"/>	CHF1A_24	5,052.800	0.000	0.000	0.000	5,042.476	Not Full	No	-1.024	10.324
<input type="checkbox"/>	CHF1A_25	5,050.970	0.000	0.000	0.000	5,039.323	Not Full	No	-0.977	11.647
<input type="checkbox"/>	CHF1A_A1A	5,049.900	0.000	0.000	0.000	5,038.436	Not Full	No	-0.974	11.464
<input type="checkbox"/>	CHF1A_C1	5,075.600	0.000	0.000	0.000	5,061.712	Not Full	No	-1.208	13.888
<input type="checkbox"/>	CHF1B_12	5,105.600	0.000	0.000	0.000	5,083.662	Not Full	No	-1.148	21.938
<input type="checkbox"/>	CHF1B_14A	5,122.490	0.000	0.000	0.000	5,102.128	Not Full	No	-1.112	20.362
<input type="checkbox"/>	CHF1B_15A	5,119.230	0.000	0.000	0.000	5,102.975	Not Full	No	-0.725	16.255
<input type="checkbox"/>	CHF1B_17	5,116.660	0.000	0.000	0.000	5,099.440	Not Full	No	-1.000	17.220
<input type="checkbox"/>	CHF1B_18	5,112.550	22,999.671	91,998.685	0.000	5,097.026	Not Full	No	-1.164	15.524
<input type="checkbox"/>	CHF1B_20	5,085.470	0.000	0.000	0.000	5,074.081	Not Full	No	-1.139	11.389
<input type="checkbox"/>	CHF3A_15	5,125.860	0.000	0.000	0.000	5,104.201	Not Full	No	-0.869	21.659
<input type="checkbox"/>	CHF3A_15B	5,119.230	0.000	0.000	0.000	5,103.515	Not Full	No	-0.865	15.715
<input type="checkbox"/>	CHF3C_8	5,125.190	0.000	0.000	0.000	5,116.323	Not Full	No	-0.967	8.867
<input type="checkbox"/>	CHF3C_9	5,124.720	0.000	0.000	0.000	5,114.843	Not Full	Yes	-0.947	9.877
<input type="checkbox"/>	CMF2_22G	5,109.075	0.000	0.000	0.000	5,099.925	Not Full	No	-0.833	9.150
<input type="checkbox"/>	CMF2_32	5,114.005	0.000	0.000	0.000	5,102.255	Not Full	No	-0.593	11.750
<input type="checkbox"/>	CMF2_33	5,113.055	0.000	0.000	0.000	5,103.073	Not Full	No	-0.546	9.982

FULL BUILDOUT MANHOLE TABLE

	ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
<input type="checkbox"/>	CMF2_34	5,113.115	0.000	0.000	0.000	5,103.408	Not Full	No	-0.540	9.707
<input type="checkbox"/>	CMF2_35	5,114.465	0.000	0.000	0.000	5,104.144	Not Full	Yes	-0.554	10.321
<input type="checkbox"/>	CMF2_36	5,117.345	0.000	0.000	0.000	5,107.054	Not Full	No	-0.614	10.291
<input type="checkbox"/>	CMF2_37	5,118.695	0.000	0.000	0.000	5,108.408	Not Full	No	-0.611	10.287
<input type="checkbox"/>	CMF2_38	5,119.295	0.000	0.000	0.000	5,108.979	Not Full	No	-0.599	10.316
<input type="checkbox"/>	CMF2_39	5,120.035	0.000	0.000	0.000	5,109.775	Not Full	No	-0.594	10.260
<input type="checkbox"/>	CMF2_39A	5,121.225	0.000	0.000	0.000	5,110.411	Not Full	Yes	-0.537	10.814
<input type="checkbox"/>	CMF2_39B	5,120.725	0.000	0.000	0.000	5,114.225	Not Full	No	-0.634	6.500
<input type="checkbox"/>	CMF2_39C	5,124.225	0.000	0.000	0.000	5,115.023	Not Full	No	-0.535	9.202
<input type="checkbox"/>	CMF2_39D	5,128.225	0.000	0.000	0.000	5,115.772	Not Full	No	-0.536	12.453
<input type="checkbox"/>	COMPF1_101	5,102.060	130,749.071	438,630.099	0.000	5,084.700	Not Full	No	-0.660	17.360
<input type="checkbox"/>	CSF1_C2A	5,068.715	0.000	0.000	0.000	5,050.091	Not Full	Yes	-0.974	18.624
<input type="checkbox"/>	CSF1_C2C	5,068.425	0.000	0.000	0.000	5,050.296	Not Full	No	-1.109	18.129
<input type="checkbox"/>	CSF1_C3A	5,080.635	0.000	0.000	0.000	5,068.116	Not Full	No	-1.029	12.519
<input type="checkbox"/>	CSF1_C3B	5,076.545	0.000	0.000	0.000	5,066.954	Not Full	No	-1.001	9.591
<input type="checkbox"/>	CSF1_C4B	5,073.805	0.000	0.000	0.000	5,065.299	Not Full	No	-1.036	8.506
<input type="checkbox"/>	CSF1_C5B	5,073.395	0.000	0.000	0.000	5,063.429	Not Full	No	-1.056	9.966
<input type="checkbox"/>	CSF1_C6C	5,069.785	44,075.503	171,047.237	0.000	5,062.469	Not Full	Yes	-0.966	7.316
<input type="checkbox"/>	ECF1_100	5,047.600	0.000	0.000	0.000	5,025.384	Not Full	No	-1.586	22.216
<input type="checkbox"/>	ECF1_102	5,047.000	0.000	0.000	0.000	5,024.957	Not Full	No	-1.563	22.043
<input type="checkbox"/>	ECF1_108	5,032.950	107,999.959	373,521.459	0.000	5,017.985	Not Full	No	-1.845	14.965
<input type="checkbox"/>	ECF1_118	5,028.750	0.000	0.000	0.000	5,020.774	Not Full	No	-0.516	7.976
<input type="checkbox"/>	ECF1_119	5,026.890	0.000	0.000	0.000	5,018.230	Not Full	Yes	-0.500	8.660
<input type="checkbox"/>	ECF1_2271	5,029.400	43,097.744	167,472.548	0.000	5,010.454	Not Full	Yes	-1.316	18.946
<input type="checkbox"/>	ECF1_24	5,038.000	0.000	0.000	0.000	5,028.060	Not Full	No	-1.340	9.940
<input type="checkbox"/>	ECF1_25	5,035.470	0.000	0.000	0.000	5,026.552	Not Full	No	-1.518	8.918
<input type="checkbox"/>	ECF1_26	5,036.230	0.000	0.000	0.000	5,023.919	Not Full	No	-1.691	12.311
<input type="checkbox"/>	ECF1_27	5,033.480	0.000	0.000	0.000	5,022.197	Not Full	No	-1.873	11.283
<input type="checkbox"/>	ECF1_28	5,032.150	0.000	0.000	0.000	5,014.820	Not Full	No	-1.850	17.330
<input type="checkbox"/>	ECF1_29	5,030.800	0.000	0.000	0.000	5,011.587	Not Full	No	-1.783	19.213
<input type="checkbox"/>	ECF1_44	5,039.800	0.000	0.000	0.000	5,027.422	Not Full	No	-1.328	12.378
<input type="checkbox"/>	ECF1_97	5,040.000	0.000	0.000	0.000	5,027.035	Not Full	No	-1.365	12.965
<input type="checkbox"/>	ECF1A2_131	5,060.000	22,374.712	89,498.846	0.000	5,048.881	Not Full	No	-0.449	11.119
<input type="checkbox"/>	ECF1A2_132	5,059.800	0.000	0.000	0.000	5,046.765	Not Full	Yes	-0.365	13.035
<input type="checkbox"/>	ECF21_120	5,065.390	210,160.721	653,853.116	0.000	5,056.164	Not Full	No	-0.396	9.226
<input type="checkbox"/>	ECF21_121	5,065.000	0.000	0.000	0.000	5,054.923	Not Full	No	-0.357	10.077
<input type="checkbox"/>	ECF21_123	5,065.000	0.000	0.000	0.000	5,053.478	Not Full	No	-0.402	11.522
<input type="checkbox"/>	ECF21_124	5,065.000	0.000	0.000	0.000	5,051.955	Not Full	No	-0.395	13.045
<input type="checkbox"/>	ECF21_130	5,062.000	0.000	0.000	0.000	5,050.483	Not Full	No	-0.347	11.517
<input type="checkbox"/>	ECF21_131	5,050.560	0.000	0.000	0.000	5,033.259	Not Full	No	-0.508	17.301
<input type="checkbox"/>	ECF21_132	5,050.500	0.000	0.000	0.000	5,032.163	Not Full	No	-0.503	18.337

FULL BUILDOUT MANHOLE TABLE

	ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
<input type="checkbox"/>	ECF21_133	5,050.800	0.000	0.000	0.000	5,030.145	Not Full	Yes	-1.355	20.655
<input type="checkbox"/>	ECF21_22A	5,054.700	0.000	0.000	0.000	5,033.194	Not Full	No	-1.316	21.506
<input type="checkbox"/>	ECF21_23	5,050.000	0.000	0.000	0.000	5,029.626	Not Full	No	-1.374	20.374
<input type="checkbox"/>	ECF21_24	5,050.000	0.000	0.000	0.000	5,029.905	Not Full	No	-1.355	20.095
<input type="checkbox"/>	ECF21_9	5,047.000	17,749.433	70,997.733	0.000	5,028.813	Not Full	No	-1.487	18.187
<input type="checkbox"/>	ECF3_217	5,026.385	0.000	0.000	0.000	5,017.259	Not Full	Yes	-0.846	9.126
<input type="checkbox"/>	ECF3_218	5,027.535	0.000	0.000	0.000	5,016.028	Not Full	No	-0.907	11.507
<input type="checkbox"/>	ECF4_133	5,060.500	0.000	0.000	0.000	5,044.788	Not Full	No	-0.392	15.712
<input type="checkbox"/>	ECF4_134	5,053.280	0.000	0.000	0.000	5,043.252	Not Full	No	0.272	10.028
<input type="checkbox"/>	ECF4_135	5,056.270	23,925.591	95,702.364	0.000	5,042.096	Not Full	Yes	-0.424	14.174
<input type="checkbox"/>	ECF5_204	5,046.995	0.000	0.000	0.000	5,036.100	Not Full	No	-1.075	10.895
<input type="checkbox"/>	ECF5_205	5,049.085	0.000	0.000	0.000	5,035.172	Not Full	No	-1.075	13.913
<input type="checkbox"/>	ECF5_208	5,047.375	0.000	0.000	0.000	5,032.740	Not Full	No	-1.075	14.635
<input type="checkbox"/>	ECF5_209	5,042.395	0.000	0.000	0.000	5,032.273	Not Full	Yes	-0.902	10.122
<input type="checkbox"/>	ECF5_213	5,046.395	0.000	0.000	0.000	5,031.712	Not Full	No	-0.903	14.683
<input type="checkbox"/>	ECF5_214	5,041.285	55,827.339	214,011.948	0.000	5,031.132	Not Full	No	-0.913	10.153
<input type="checkbox"/>	ECF5_215	5,041.125	0.000	0.000	0.000	5,029.593	Not Full	No	-1.082	11.532
<input type="checkbox"/>	ECF5_216	5,036.155	0.000	0.000	0.000	5,023.092	Not Full	No	-1.083	13.063
<input type="checkbox"/>	EHF1_2	5,109.900	0.000	0.000	0.000	5,099.384	Not Full	No	-0.383	10.516
<input type="checkbox"/>	EHF1_3	5,108.400	0.000	0.000	0.000	5,100.544	Not Full	No	-0.422	7.856
<input type="checkbox"/>	EHF1_4	5,112.700	0.000	0.000	0.000	5,101.942	Not Full	Yes	-0.424	10.758
<input type="checkbox"/>	EHF1_5	5,115.000	0.000	0.000	0.000	5,103.567	Not Full	No	-0.500	11.433
<input type="checkbox"/>	EHF1_6	5,118.300	0.000	0.000	0.000	5,107.041	Not Full	No	-0.526	11.259
<input type="checkbox"/>	EHF1_7	5,127.100	0.000	0.000	0.000	5,114.647	Not Full	No	-0.520	12.453
<input type="checkbox"/>	EHF1_8	5,131.700	0.000	0.000	0.000	5,120.467	Not Full	No	-0.500	11.233
<input type="checkbox"/>	EHF10_11	5,145.910	0.000	0.000	0.000	5,131.880	Not Full	No	-0.496	14.030
<input type="checkbox"/>	EHF10_12	5,147.180	0.000	0.000	0.000	5,132.956	Not Full	No	-0.461	14.224
<input type="checkbox"/>	EHF10_13	5,149.870	0.000	0.000	0.000	5,135.142	Not Full	No	-0.494	14.728
<input type="checkbox"/>	EHF10_14	5,149.450	0.000	0.000	0.000	5,136.358	Not Full	No	-0.449	13.092
<input type="checkbox"/>	EHF10_15	5,150.380	0.000	0.000	0.000	5,137.589	Not Full	No	-0.448	12.791
<input type="checkbox"/>	EHF10_16	5,151.800	0.000	0.000	0.000	5,138.788	Not Full	No	-0.448	13.012
<input type="checkbox"/>	EHF10_17	5,152.630	0.000	0.000	0.000	5,139.551	Not Full	No	-0.436	13.079
<input type="checkbox"/>	EHF10_18	5,153.120	0.000	0.000	0.000	5,140.043	Not Full	Yes	-0.443	13.077
<input type="checkbox"/>	EHF11_146	5,162.560	35,999.986	141,523.147	0.000	5,146.420	Not Full	No	-0.446	16.140
<input type="checkbox"/>	EHF11_147	5,158.690	0.000	0.000	0.000	5,145.382	Not Full	No	-0.465	13.308
<input type="checkbox"/>	EHF11_148	5,153.110	0.000	0.000	0.000	5,143.254	Not Full	No	-0.472	9.856
<input type="checkbox"/>	EHF3_10	5,147.800	0.000	0.000	0.000	5,136.341	Not Full	No	-0.525	11.459
<input type="checkbox"/>	EHF3_11	5,159.100	0.000	0.000	0.000	5,146.546	Not Full	No	-0.521	12.554
<input type="checkbox"/>	EHF3_12	5,169.300	0.000	0.000	0.000	5,149.599	Not Full	No	-0.467	19.701
<input type="checkbox"/>	EHF3_42	5,168.000	0.000	0.000	0.000	5,150.643	Not Full	Yes	-0.424	17.357
<input type="checkbox"/>	EHF3_9	5,136.500	0.000	0.000	0.000	5,125.178	Not Full	No	-0.488	11.322

FULL BUILDOUT MANHOLE TABLE

	ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
	EHF4_1	5,109.600	0.000	0.000	0.000	5,098.760	Not Full	No	-0.507	10.840
	EHF7_1	5,166.480	0.000	0.000	0.000	5,151.665	Not Full	No	-0.432	14.815
	EHF7_6	5,164.680	43,250.384	168,030.599	0.000	5,153.267	Not Full	No	-0.430	11.413
	EHF9_1	5,078.280	0.000	0.000	0.000	5,068.409	Not Full	No	-0.538	9.871
	EHF9_10	5,140.060	0.000	0.000	0.000	5,128.204	Not Full	No	-0.483	11.856
	EHF9_19	5,155.080	0.000	0.000	0.000	5,141.762	Not Full	No	-0.455	13.318
	EHF9_2	5,102.420	0.000	0.000	0.000	5,085.915	Not Full	No	-0.542	16.505
	EHF9_3	5,107.570	0.000	0.000	0.000	5,095.693	Not Full	No	-0.544	11.877
	EHF9_4	5,118.840	0.000	0.000	0.000	5,103.564	Not Full	No	-0.543	15.276
	EHF9_5	5,127.680	0.000	0.000	0.000	5,115.784	Not Full	No	-0.543	11.896
	EHF9_6	5,127.520	0.000	0.000	0.000	5,117.178	Not Full	No	-0.479	10.342
	EHF9_7	5,137.990	0.000	0.000	0.000	5,123.716	Not Full	No	-0.531	14.274
	EHF9_8	5,137.740	0.000	0.000	0.000	5,125.594	Not Full	No	-0.493	12.146
	EHF9_9	5,139.150	0.000	0.000	0.000	5,127.324	Not Full	No	-0.493	11.826
	EP_1	5,194.550	50,014.061	192,758.604	0.000	5,181.979	Not Full	No	-0.488	12.571
	EP_2	5,134.160	137,936.108	458,933.479	0.000	5,121.177	Not Full	No	-0.300	12.983
	EP_3	5,114.460	0.000	0.000	0.000	5,101.961	Not Full	No	-0.316	12.499
	EVF1_7	4,998.450	47,000.142	181,739.717	0.000	4,988.419	Not Full	No	-0.564	10.031
	EVF1A1_51	5,012.830	0.000	0.000	0.000	4,997.161	Not Full	No	-1.019	15.669
	EVF1A1_52	5,010.640	0.000	0.000	0.000	4,996.549	Not Full	No	-0.711	14.091
	EVF1A2_1	5,014.410	0.000	0.000	0.000	4,997.981	Not Full	No	-0.819	16.429
	EVF1A2_50	5,014.510	0.000	0.000	0.000	4,997.850	Not Full	No	-0.750	16.660
	EVF2_1A	4,997.540	0.000	0.000	0.000	4,985.020	Not Full	No	-1.000	12.520
	EVF2_2	4,996.690	0.000	0.000	0.000	4,985.219	Not Full	Yes	-0.761	11.471
	EVF2_3	4,996.740	0.000	0.000	0.000	4,986.275	Not Full	No	-0.805	10.465
	EVF2_4	4,998.320	0.000	0.000	0.000	4,986.420	Not Full	No	-0.554	11.900
	EVF2_4A	4,994.440	15,249.594	60,998.377	0.000	4,983.351	Not Full	No	-0.659	11.089
	EVF2_5	4,994.950	0.000	0.000	0.000	4,983.903	Not Full	No	-0.737	11.047
	EVF2_5A	4,998.320	0.000	0.000	0.000	4,987.033	Not Full	No	-0.570	11.287
	EVF2_6	4,997.130	0.000	0.000	0.000	4,987.731	Not Full	No	-0.563	9.399
	EVF2_6A	4,995.080	0.000	0.000	0.000	4,984.114	Not Full	No	-0.766	10.966
	EVF2_7	4,995.890	0.000	0.000	0.000	4,984.378	Not Full	No	-0.732	11.512
	EVF2_8	4,996.820	0.000	0.000	0.000	4,984.681	Not Full	No	-0.749	12.139
	EVF3_47	5,015.880	0.000	0.000	0.000	4,998.829	Not Full	No	-0.801	17.051
	EVF3_48	5,014.910	0.000	0.000	0.000	4,998.319	Not Full	No	-0.811	16.591
	EVF4_46	5,017.080	50,718.221	195,333.012	0.000	4,999.342	Not Full	No	-0.808	17.738
	FMF4_4_4	5,116.700	0.000	0.000	0.000	5,105.362	Not Full	No	-0.638	11.338
	FMF6_1	5,127.260	0.000	0.000	0.000	5,114.703	Not Full	No	-0.503	12.557
	FMF6_2	5,129.260	0.000	0.000	0.000	5,116.777	Not Full	No	-0.410	12.483
	FMF6_4_6	5,124.560	47,999.502	185,393.375	0.000	5,106.552	Not Full	Yes	-0.648	18.008
	FMF7_3	5,131.760	0.000	0.000	0.000	5,119.533	Not Full	No	-0.393	12.227

FULL BUILDOUT MANHOLE TABLE

	ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
<input type="checkbox"/>	FMF7_4	5,136.220	0.000	0.000	0.000	5,123.596	Not Full	No	-0.391	12.624
<input type="checkbox"/>	FMF7_5	5,140.390	0.000	0.000	0.000	5,127.240	Not Full	No	-0.396	13.150
<input type="checkbox"/>	FMF8_1	5,148.970	0.000	0.000	0.000	5,136.234	Not Full	No	-0.503	12.736
<input type="checkbox"/>	FMF8_10	5,160.550	0.000	0.000	0.000	5,145.627	Not Full	No	-0.329	14.923
<input type="checkbox"/>	FMF8_11	5,159.940	45,499.663	176,253.964	0.000	5,146.078	Not Full	No	-0.329	13.862
<input type="checkbox"/>	FMF8_2	5,149.930	0.000	0.000	0.000	5,137.284	Not Full	No	-0.402	12.646
<input type="checkbox"/>	FMF8_3	5,151.500	0.000	0.000	0.000	5,138.939	Not Full	No	-0.408	12.561
<input type="checkbox"/>	FMF8_4	5,153.490	0.000	0.000	0.000	5,140.064	Not Full	No	-0.393	13.426
<input type="checkbox"/>	FMF8_6	5,146.040	0.000	0.000	0.000	5,130.132	Not Full	No	-0.435	15.908
<input type="checkbox"/>	FMF8_8	5,155.950	0.000	0.000	0.000	5,143.594	Not Full	No	-0.433	12.356
<input type="checkbox"/>	FMF8_9	5,159.460	0.000	0.000	0.000	5,145.026	Not Full	No	-0.340	14.434
<input type="checkbox"/>	FMF9_1	5,189.630	0.000	0.000	0.000	5,172.355	Not Full	No	-0.419	17.275
<input type="checkbox"/>	FMF9_10	5,162.750	0.000	0.000	0.000	5,153.953	Not Full	No	-0.494	8.797
<input type="checkbox"/>	FMF9_11	5,164.610	0.000	0.000	0.000	5,150.556	Not Full	No	-0.471	14.054
<input type="checkbox"/>	FMF9_12	5,162.750	0.000	0.000	0.000	5,148.455	Not Full	No	-0.471	14.295
<input type="checkbox"/>	FMF9_13	5,162.520	0.000	0.000	0.000	5,147.930	Not Full	No	-0.477	14.590
<input type="checkbox"/>	FMF9_15	5,172.560	34,616.147	136,463.830	0.000	5,159.790	Not Full	No	-0.467	12.770
<input type="checkbox"/>	FMF9_22	5,178.510	0.000	0.000	0.000	5,158.052	Not Full	Yes	-0.434	20.458
<input type="checkbox"/>	FMF9_23	5,173.130	0.000	0.000	0.000	5,159.326	Not Full	No	-0.470	13.804
<input type="checkbox"/>	FMF9_3	5,162.290	0.000	0.000	0.000	5,147.347	Not Full	Yes	-0.450	14.943
<input type="checkbox"/>	FMF9_35	5,174.800	0.000	0.000	0.000	5,158.869	Not Full	No	-0.457	15.931
<input type="checkbox"/>	FMF9_9	5,174.730	0.000	0.000	0.000	5,156.452	Not Full	No	-0.475	18.278
<input type="checkbox"/>	GVF1_0	5,069.880	18,999.353	75,997.411	0.000	5,061.176	Not Full	No	-0.520	8.704
<input type="checkbox"/>	GVF1_100	5,086.630	0.000	0.000	0.000	5,074.887	Not Full	No	-0.380	11.743
<input type="checkbox"/>	GVF1_101	5,083.880	0.000	0.000	0.000	5,072.217	Not Full	No	-0.329	11.663
<input type="checkbox"/>	GVF1_102	5,079.520	0.000	0.000	0.000	5,067.935	Not Full	No	-0.321	11.585
<input type="checkbox"/>	GVF1_103	5,078.780	0.000	0.000	0.000	5,067.151	Not Full	No	-0.286	11.629
<input type="checkbox"/>	GVF1_104	5,078.130	0.000	0.000	0.000	5,066.445	Not Full	No	-0.392	11.685
<input type="checkbox"/>	GVF1_105	5,074.200	0.000	0.000	0.000	5,062.398	Not Full	No	-0.418	11.802
<input type="checkbox"/>	GVF1_106	5,071.440	0.000	0.000	0.000	5,059.624	Not Full	No	-0.402	11.816
<input type="checkbox"/>	GVF1_107	5,070.010	0.000	0.000	0.000	5,058.055	Not Full	No	-0.422	11.955
<input type="checkbox"/>	GVF1_108	5,064.570	0.000	0.000	0.000	5,052.803	Not Full	No	-0.374	11.767
<input type="checkbox"/>	GVF1_109	5,062.860	0.000	0.000	0.000	5,050.533	Not Full	No	-0.474	12.327
<input type="checkbox"/>	GVF1_111	5,041.130	0.000	0.000	0.000	5,029.741	Not Full	No	-0.356	11.389
<input type="checkbox"/>	GVF1_113	5,037.460	0.000	0.000	0.000	5,025.780	Not Full	No	-0.297	11.680
<input type="checkbox"/>	GVF1_114	5,036.980	0.000	0.000	0.000	5,025.180	Not Full	No	-0.306	11.800
<input type="checkbox"/>	GVF1_115	5,036.250	0.000	0.000	0.000	5,024.218	Not Full	No	-0.329	12.032
<input type="checkbox"/>	GVF1_116	5,036.640	0.000	0.000	0.000	5,023.373	Not Full	Yes	-0.487	13.267
<input type="checkbox"/>	GVF1_117	5,036.520	60,750.697	230,282.000	0.000	5,022.970	Not Full	No	-0.530	13.550
<input type="checkbox"/>	GVF1_36	5,063.750	0.000	0.000	0.000	5,049.793	Not Full	No	-0.433	13.957
<input type="checkbox"/>	GVF1_37	5,061.780	0.000	0.000	0.000	5,047.668	Not Full	No	-0.419	14.112

FULL BUILDOUT MANHOLE TABLE

	ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
	GVF1_40	5,062.570	0.000	0.000	0.000	5,046.656	Not Full	No	-0.431	15.914
	GVF1_41	5,060.770	0.000	0.000	0.000	5,045.716	Not Full	No	-0.460	15.054
	GVF1_48	5,053.840	0.000	0.000	0.000	5,041.977	Not Full	No	-0.460	11.863
	GVF1_50	5,052.490	0.000	0.000	0.000	5,039.648	Not Full	No	-0.469	12.842
	GVF1_51	5,052.020	39,599.985	154,684.742	0.000	5,035.165	Not Full	Yes	-0.499	16.855
	GVF1_52	5,051.260	0.000	0.000	0.000	5,034.346	Not Full	No	-0.507	16.914
	GVF1_53	5,049.200	0.000	0.000	0.000	5,033.829	Not Full	No	-0.535	15.371
	GVF1_56	5,047.700	0.000	0.000	0.000	5,033.221	Not Full	Yes	-0.493	14.479
	GVF1_57	5,046.840	0.000	0.000	0.000	5,032.840	Not Full	No	-0.493	14.000
	GVF1_58	5,044.590	0.000	0.000	0.000	5,032.119	Not Full	No	-0.525	12.471
	GVF1_59	5,042.030	0.000	0.000	0.000	5,031.170	Not Full	Yes	-0.514	10.860
	GVF1_60	5,038.910	0.000	0.000	0.000	5,030.131	Not Full	No	-0.649	8.779
	GVF1_61	5,040.570	0.000	0.000	0.000	5,029.499	Not Full	No	-0.701	11.071
	GVF1_78	5,041.100	0.000	0.000	0.000	5,029.022	Not Full	No	-0.628	12.078
	GVF1_80	5,041.000	0.000	0.000	0.000	5,028.338	Not Full	No	-0.632	12.662
	GVF1_90	5,038.390	0.000	0.000	0.000	5,027.604	Not Full	No	-0.646	10.786
	GVF1_91	5,037.800	0.000	0.000	0.000	5,027.234	Not Full	No	-0.786	10.566
	GVF1_95	5,106.750	103,750.521	361,019.612	0.000	5,094.322	Not Full	No	-0.364	12.428
	GVF1_96	5,104.310	0.000	0.000	0.000	5,092.593	Not Full	No	-0.404	11.717
	GVF1_97	5,099.330	0.000	0.000	0.000	5,087.688	Not Full	No	-0.409	11.642
	GVF1_98	5,095.600	0.000	0.000	0.000	5,083.563	Not Full	No	-0.434	12.037
	GVF1_99	5,090.720	0.000	0.000	0.000	5,078.873	Not Full	No	-0.434	11.847
	HWY52_1	5,018.000	93,516.445	330,910.960	0.000	5,004.841	Not Full	No	-0.919	13.159
	HWY52_10	4,949.000	14,166.715	56,666.859	0.000	4,936.837	Not Full	No	-0.663	12.163
	HWY52_11	4,945.000	118,285.875	403,421.572	0.000	4,933.509	Not Full	No	-0.641	11.491
	HWY52_12	4,942.120	0.000	0.000	0.000	4,930.008	Not Full	No	-1.142	12.112
	HWY52_2	5,035.250	0.000	0.000	0.000	5,000.116	Not Full	No	-0.994	35.134
	HWY52_3	5,025.320	0.000	0.000	0.000	4,998.045	Not Full	No	-1.005	27.275
	HWY52_4	5,010.170	0.000	0.000	0.000	4,992.229	Not Full	Yes	-0.921	17.941
	HWY52_5	5,002.380	495,303.654	1,343,754.722	0.000	4,981.904	Not Full	No	-1.286	20.476
	HWY52_6	4,990.000	0.000	0.000	0.000	4,972.448	Not Full	No	-0.792	17.552
	HWY52_7	4,977.000	0.000	0.000	0.000	4,965.178	Not Full	No	-0.792	11.822
	HWY52_8	4,979.360	154,282.982	504,198.208	0.000	4,960.086	Not Full	No	-1.064	19.274
	HWY52_9	4,948.500	0.000	0.000	0.000	4,939.670	Not Full	Yes	-0.650	8.830
	I25_1	5,220.000	59,018.378	224,899.684	0.000	5,206.734	Not Full	No	-0.433	13.266
	I25_10	5,156.010	0.000	0.000	0.000	5,147.737	Not Full	Yes	-0.543	8.273
	I25_11	5,154.000	0.000	0.000	0.000	5,146.784	Not Full	No	-0.566	7.216
	I25_12	5,155.000	0.000	0.000	0.000	5,145.478	Not Full	No	-0.542	9.522
	I25_13	5,155.070	0.000	0.000	0.000	5,145.148	Not Full	No	-0.532	9.922
	I25_14	5,157.090	226,265.675	695,774.311	0.000	5,144.907	Not Full	No	-0.363	12.183
	I25_15	5,158.050	0.000	0.000	0.000	5,144.506	Not Full	No	-0.364	13.544

FULL BUILDOUT MANHOLE TABLE

	ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
<input type="checkbox"/>	I25_16	5,176.000	0.000	0.000	0.000	5,143.180	Not Full	No	-0.360	32.820
<input type="checkbox"/>	I25_17	5,153.000	164,607.778	532,446.850	0.000	5,140.796	Not Full	No	-1.024	12.204
<input type="checkbox"/>	I25_18	5,120.000	0.000	0.000	0.000	5,106.900	Not Full	No	-1.000	13.100
<input type="checkbox"/>	I25_19	5,101.320	128,851.151	433,268.477	0.000	5,092.897	Not Full	Yes	-0.603	8.423
<input type="checkbox"/>	I25_2	5,192.000	231,396.393	709,077.753	0.000	5,178.886	Not Full	No	-0.281	13.114
<input type="checkbox"/>	I25_20	5,100.300	0.000	0.000	0.000	5,091.218	Not Full	No	-0.602	9.082
<input type="checkbox"/>	I25_21	5,104.180	0.000	0.000	0.000	5,086.411	Not Full	No	-0.739	17.769
<input type="checkbox"/>	I25_22	5,091.630	0.000	0.000	0.000	5,079.381	Not Full	No	-0.899	12.249
<input type="checkbox"/>	I25_23	5,065.480	137,892.908	458,811.439	0.000	5,053.592	Not Full	No	-0.638	11.888
<input type="checkbox"/>	I25_24	5,058.000	0.000	0.000	0.000	5,046.158	Not Full	Yes	-0.742	11.842
<input type="checkbox"/>	I25_25	5,060.930	0.000	0.000	0.000	5,044.986	Not Full	No	-0.744	15.944
<input type="checkbox"/>	I25_26	5,061.820	142,845.066	472,801.286	0.000	5,043.555	Not Full	No	-1.025	18.265
<input type="checkbox"/>	I25_27	5,053.670	0.000	0.000	0.000	5,040.505	Not Full	No	-0.865	13.165
<input type="checkbox"/>	I25_28	5,057.640	0.000	0.000	0.000	5,038.980	Not Full	No	-0.770	18.660
<input type="checkbox"/>	I25_29	5,053.000	144,267.786	476,796.631	0.000	5,037.447	Not Full	No	-1.203	15.553
<input type="checkbox"/>	I25_3	5,183.000	0.000	0.000	0.000	5,169.975	Not Full	Yes	-0.425	13.025
<input type="checkbox"/>	I25_30	5,029.050	117,885.556	402,290.669	0.000	5,019.189	Not Full	Yes	-0.701	9.861
<input type="checkbox"/>	I25_31	5,046.550	0.000	0.000	0.000	5,016.315	Not Full	No	-0.705	30.235
<input type="checkbox"/>	I25_32	5,046.000	0.000	0.000	0.000	5,015.608	Not Full	No	-0.702	30.392
<input type="checkbox"/>	I25_33	5,050.000	0.000	0.000	0.000	5,014.978	Not Full	No	-0.702	35.022
<input type="checkbox"/>	I25_34	5,033.000	0.000	0.000	0.000	5,013.319	Not Full	No	-0.701	19.681
<input type="checkbox"/>	I25_35	5,033.180	0.000	0.000	0.000	5,011.496	Not Full	No	-0.874	21.684
<input type="checkbox"/>	I25_36	5,024.780	0.000	0.000	0.000	5,007.650	Not Full	Yes	-0.740	17.130
<input type="checkbox"/>	I25_4	5,181.940	158,692.260	516,261.993	0.000	5,168.904	Not Full	No	-0.496	13.036
<input type="checkbox"/>	I25_5	5,180.000	0.000	0.000	0.000	5,166.906	Not Full	No	-0.494	13.094
<input type="checkbox"/>	I25_6	5,176.000	0.000	0.000	0.000	5,163.918	Not Full	No	-0.482	12.082
<input type="checkbox"/>	I25_7	5,172.980	0.000	0.000	0.000	5,160.609	Not Full	No	-0.481	12.371
<input type="checkbox"/>	I25_8	5,171.000	0.000	0.000	0.000	5,158.099	Not Full	Yes	-0.551	12.901
<input type="checkbox"/>	I25_9	5,168.930	292,603.570	863,544.350	0.000	5,155.915	Not Full	No	-0.665	13.015
<input type="checkbox"/>	KEF1_1	4,993.140	0.000	0.000	0.000	4,982.466	Not Full	No	-0.584	10.674
<input type="checkbox"/>	KEF1_10	4,994.650	6,000.478	24,001.911	0.000	4,982.856	Not Full	No	-0.894	11.794
<input type="checkbox"/>	KEF1_1A	4,992.460	0.000	0.000	0.000	4,987.630	Not Full	No	-1.000	4.830
<input type="checkbox"/>	KEF1_2	4,992.940	0.000	0.000	0.000	4,982.714	Not Full	No	-0.566	10.226
<input type="checkbox"/>	KEF1_2A	4,993.170	0.000	0.000	0.000	4,986.910	Not Full	No	-1.000	6.260
<input type="checkbox"/>	KEF1_3	4,992.980	0.000	0.000	0.000	4,982.777	Not Full	No	-0.633	10.203
<input type="checkbox"/>	KEF1_3A	4,992.130	0.000	0.000	0.000	4,986.450	Not Full	No	-1.000	5.680
<input type="checkbox"/>	KEF1_4	4,992.310	0.000	0.000	0.000	4,985.750	Not Full	No	-1.000	6.560
<input type="checkbox"/>	KEF1_5	4,991.820	0.000	0.000	0.000	4,985.470	Not Full	No	-1.000	6.350
<input type="checkbox"/>	KEF1_6	4,991.120	0.000	0.000	0.000	4,985.080	Not Full	No	-1.000	6.040
<input type="checkbox"/>	KEF1_7	4,992.280	0.000	0.000	0.000	4,984.100	Not Full	No	-1.000	8.180
<input type="checkbox"/>	KEF1_8	4,992.920	0.000	0.000	0.000	4,983.870	Not Full	No	-1.000	9.050

FULL BUILDOUT MANHOLE TABLE

	ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
<input type="checkbox"/>	KEF1_80	4,993.540	0.000	0.000	0.000	4,982.034	Not Full	No	-0.596	11.506
<input type="checkbox"/>	KEF1_81	4,992.760	0.000	0.000	0.000	4,981.719	Not Full	No	-0.591	11.041
<input type="checkbox"/>	KEF1_82	4,990.810	0.000	0.000	0.000	4,981.017	Not Full	No	-0.563	9.793
<input type="checkbox"/>	KEF1_83	4,989.710	0.000	0.000	0.000	4,980.344	Not Full	No	-0.686	9.366
<input type="checkbox"/>	KEF1_9	4,994.310	0.000	0.000	0.000	4,983.190	Not Full	No	-1.000	11.120
<input type="checkbox"/>	KFF1_10	4,997.270	59,250.218	225,620.011	0.000	4,983.957	Not Full	No	-0.673	13.313
<input type="checkbox"/>	KFF1_11	4,998.630	0.000	0.000	0.000	4,984.070	Not Full	No	-1.000	14.560
<input type="checkbox"/>	KFF1_14	5,000.070	0.000	0.000	0.000	4,984.910	Not Full	No	-1.000	15.160
<input type="checkbox"/>	KFF1_15	5,000.120	0.000	0.000	0.000	4,986.020	Not Full	No	-1.000	14.100
<input type="checkbox"/>	KFF1_16	5,001.010	0.000	0.000	0.000	4,986.750	Not Full	No	-1.000	14.260
<input type="checkbox"/>	KFF1_9	4,995.240	0.000	0.000	0.000	4,983.349	Not Full	No	-0.691	11.891
<input type="checkbox"/>	LCFA_1	5,012.427	0.000	0.000	0.000	4,996.971	Not Full	Yes	-0.979	15.456
<input type="checkbox"/>	LCFA_10	5,023.387	0.000	0.000	0.000	5,010.596	Not Full	No	-0.437	12.791
<input type="checkbox"/>	LCFA_11	5,026.087	0.000	0.000	0.000	5,013.416	Not Full	No	-0.438	12.671
<input type="checkbox"/>	LCFA_12	5,027.167	0.000	0.000	0.000	5,014.423	Not Full	No	-0.421	12.744
<input type="checkbox"/>	LCFA_13	5,028.197	0.000	0.000	0.000	5,015.660	Not Full	No	-0.444	12.537
<input type="checkbox"/>	LCFA_14	5,030.217	0.000	0.000	0.000	5,017.404	Not Full	No	-0.430	12.813
<input type="checkbox"/>	LCFA_15	5,031.377	0.000	0.000	0.000	5,018.732	Not Full	No	-0.432	12.645
<input type="checkbox"/>	LCFA_16	5,033.227	0.000	0.000	0.000	5,020.411	Not Full	No	-0.453	12.816
<input type="checkbox"/>	LCFA_17	5,041.107	48,278.862	186,414.715	0.000	5,029.163	Not Full	No	-0.511	11.944
<input type="checkbox"/>	LCFA_3	5,013.587	0.000	0.000	0.000	5,002.040	Not Full	No	-0.454	11.547
<input type="checkbox"/>	LCFA_4	5,016.087	0.000	0.000	0.000	5,003.272	Not Full	No	-0.291	12.815
<input type="checkbox"/>	LCFA_5	5,016.697	10,500.476	42,001.904	0.000	5,004.665	Not Full	No	-0.298	12.032
<input type="checkbox"/>	LCFA_6	5,018.577	0.000	0.000	0.000	5,005.639	Not Full	Yes	-0.345	12.938
<input type="checkbox"/>	LCFA_7	5,018.577	0.000	0.000	0.000	5,006.612	Not Full	No	-0.372	11.965
<input type="checkbox"/>	LCFA_8	5,019.587	0.000	0.000	0.000	5,007.423	Not Full	No	-0.430	12.164
<input type="checkbox"/>	LCFA_9	5,020.547	0.000	0.000	0.000	5,008.074	Not Full	No	-0.420	12.473
<input type="checkbox"/>	LCFB_1	5,019.517	0.000	0.000	0.000	5,007.246	Not Full	Yes	-0.457	12.271
<input type="checkbox"/>	LCFB_2	5,020.547	0.000	0.000	0.000	5,008.246	Not Full	No	-0.477	12.301
<input type="checkbox"/>	LCFB_3	5,022.307	0.000	0.000	0.000	5,009.981	Not Full	No	-0.482	12.326
<input type="checkbox"/>	LCFB_4	5,023.587	29,750.389	118,674.618	0.000	5,010.916	Not Full	No	-0.488	12.671
<input type="checkbox"/>	NMS_1	5,190.130	0.000	0.000	0.000	5,180.148	Not Full	No	-0.626	9.982
<input type="checkbox"/>	NMS_10	5,211.030	0.000	0.000	0.000	5,203.000	Not Full	No	-0.603	8.030
<input type="checkbox"/>	NMS_11	5,214.550	0.000	0.000	0.000	5,207.301	Not Full	No	-0.502	7.249
<input type="checkbox"/>	NMS_12	5,217.140	0.000	0.000	0.000	5,210.722	Not Full	No	-0.481	6.418
<input type="checkbox"/>	NMS_13	5,223.610	0.000	0.000	0.000	5,214.122	Not Full	No	-0.481	9.488
<input type="checkbox"/>	NMS_14	5,225.100	0.000	0.000	0.000	5,215.212	Not Full	No	-0.492	9.888
<input type="checkbox"/>	NMS_15	5,226.430	0.000	0.000	0.000	5,216.701	Not Full	No	-0.502	9.729
<input type="checkbox"/>	NMS_16	5,233.130	0.000	0.000	0.000	5,219.656	Not Full	No	-0.467	13.474
<input type="checkbox"/>	NMS_17	5,241.740	0.000	0.000	0.000	5,226.415	Not Full	No	-0.558	15.325
<input type="checkbox"/>	NMS_18	5,250.320	0.000	0.000	0.000	5,237.542	Not Full	No	-0.591	12.778

FULL BUILDOUT MANHOLE TABLE

	ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
<input type="checkbox"/>	NMS_19	5,252.800	0.000	0.000	0.000	5,240.968	Not Full	No	-0.585	11.832
<input type="checkbox"/>	NMS_2	5,190.240	0.000	0.000	0.000	5,183.860	Not Full	No	-0.603	6.380
<input type="checkbox"/>	NMS_20	5,251.790	157,499.941	512,999.807	0.000	5,242.232	Not Full	No	-0.502	9.558
<input type="checkbox"/>	NMS_3	5,191.230	0.000	0.000	0.000	5,185.301	Not Full	No	-0.502	5.929
<input type="checkbox"/>	NMS_4	5,195.030	0.000	0.000	0.000	5,188.202	Not Full	No	-0.502	6.828
<input type="checkbox"/>	NMS_5	5,196.680	0.000	0.000	0.000	5,189.998	Not Full	No	-0.586	6.682
<input type="checkbox"/>	NMS_6	5,198.380	0.000	0.000	0.000	5,191.898	Not Full	No	-0.586	6.482
<input type="checkbox"/>	NMS_7	5,200.000	0.000	0.000	0.000	5,193.758	Not Full	No	-0.585	6.242
<input type="checkbox"/>	NMS_8	5,203.910	0.000	0.000	0.000	5,198.041	Not Full	No	-0.502	5.869
<input type="checkbox"/>	NMS_9	5,210.370	0.000	0.000	0.000	5,201.637	Not Full	No	-0.486	8.733
<input type="checkbox"/>	OGF1_1	5,165.050	0.000	0.000	0.000	5,151.065	Not Full	No	-0.833	13.985
<input type="checkbox"/>	OGF1_17	5,150.610	0.000	0.000	0.000	5,138.985	Not Full	No	-0.833	11.625
<input type="checkbox"/>	OGF1_18	5,148.840	0.000	0.000	0.000	5,137.445	Not Full	No	-0.833	11.395
<input type="checkbox"/>	OGF1_2	5,160.050	0.000	0.000	0.000	5,146.865	Not Full	No	-0.833	13.185
<input type="checkbox"/>	OGF1_25	5,148.140	0.000	0.000	0.000	5,136.135	Not Full	No	-0.833	12.005
<input type="checkbox"/>	OGF1_3	5,159.350	0.000	0.000	0.000	5,146.225	Not Full	No	-0.833	13.125
<input type="checkbox"/>	OGF1_4	5,152.800	0.000	0.000	0.000	5,140.735	Not Full	No	-0.833	12.065
<input type="checkbox"/>	OGF1_5	5,150.890	0.000	0.000	0.000	5,139.645	Not Full	No	-0.833	11.245
<input type="checkbox"/>	OGF1_69	5,151.490	0.000	0.000	0.000	5,139.622	Not Full	Yes	-0.566	11.868
<input type="checkbox"/>	OGF1_70	5,150.690	0.000	0.000	0.000	5,138.975	Not Full	No	-0.563	11.715
<input type="checkbox"/>	OGF1_71	5,149.600	0.000	0.000	0.000	5,138.351	Not Full	No	-0.467	11.249
<input type="checkbox"/>	OGF1_72	5,148.590	0.000	0.000	0.000	5,137.874	Not Full	No	-0.605	10.716
<input type="checkbox"/>	OGF1_73	5,149.230	0.000	0.000	0.000	5,137.158	Not Full	Yes	-0.560	12.072
<input type="checkbox"/>	OGF1_74	5,148.230	0.000	0.000	0.000	5,135.953	Not Full	No	-0.605	12.277
<input type="checkbox"/>	OGF1_75	5,148.230	0.000	0.000	0.000	5,135.079	Not Full	No	-0.579	13.151
<input type="checkbox"/>	OGF2_29	5,177.635	0.000	0.000	0.000	5,163.790	Not Full	No	-0.552	13.845
<input type="checkbox"/>	OGF2_31	5,172.695	0.000	0.000	0.000	5,161.282	Not Full	No	-0.570	11.413
<input type="checkbox"/>	OGF2_32	5,167.395	0.000	0.000	0.000	5,155.854	Not Full	No	-0.568	11.541
<input type="checkbox"/>	OGF2_33	5,162.905	0.000	0.000	0.000	5,151.045	Not Full	No	-0.546	11.860
<input type="checkbox"/>	OGF2_34	5,162.905	0.000	0.000	0.000	5,149.335	Not Full	No	-0.547	13.570
<input type="checkbox"/>	OGF2_46	5,158.455	0.000	0.000	0.000	5,146.602	Not Full	No	-0.560	11.853
<input type="checkbox"/>	OGF2_49	5,156.745	0.000	0.000	0.000	5,144.611	Not Full	No	-0.551	12.134
<input type="checkbox"/>	OGF2_50	5,155.135	0.000	0.000	0.000	5,143.304	Not Full	Yes	-0.498	11.831
<input type="checkbox"/>	OGF2_65	5,153.045	49,150.061	189,599.821	0.000	5,142.976	Not Full	No	-0.522	10.069
<input type="checkbox"/>	OGF2_68	5,154.360	0.000	0.000	0.000	5,142.428	Not Full	No	-0.611	11.932
<input type="checkbox"/>	OTF1_101	5,021.153	0.000	0.000	0.000	5,004.293	Not Full	No	-1.000	16.860
<input type="checkbox"/>	OTF1_102	5,011.353	0.000	0.000	0.000	5,003.318	Not Full	No	-0.925	8.035
<input type="checkbox"/>	OTF1_103	5,010.453	0.000	0.000	0.000	5,003.318	Not Full	No	-0.665	7.135
<input type="checkbox"/>	OTF1_108	5,011.000	0.000	0.000	0.000	4,999.146	Not Full	No	-1.187	11.854
<input type="checkbox"/>	OTF1_30	5,023.393	0.000	0.000	0.000	5,016.723	Not Full	No	-0.667	6.670
<input type="checkbox"/>	OTF1_37	5,021.223	0.000	0.000	0.000	5,016.053	Not Full	No	-0.667	5.170

FULL BUILDOUT MANHOLE TABLE

	ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
<input type="checkbox"/>	OTF1_43	5,019.833	64,337.736	241,426.929	0.000	5,014.649	Not Full	No	-0.351	5.184
<input type="checkbox"/>	OTF1_44	5,018.643	0.000	0.000	0.000	5,012.850	Not Full	No	-0.340	5.793
<input type="checkbox"/>	OTF1_46	5,021.543	0.000	0.000	0.000	5,015.263	Not Full	No	-0.833	6.280
<input type="checkbox"/>	OTF1_47	5,021.643	0.000	0.000	0.000	5,015.223	Not Full	No	-0.833	6.420
<input type="checkbox"/>	OTF1_48	5,019.783	0.000	0.000	0.000	5,013.303	Not Full	No	-0.833	6.480
<input type="checkbox"/>	OTF1_60A	5,011.220	0.000	0.000	0.000	4,993.350	Not Full	No	-1.340	17.870
<input type="checkbox"/>	OTF1_61A	5,011.010	0.000	0.000	0.000	4,992.999	Not Full	No	-1.371	18.011
<input type="checkbox"/>	OTF1_62	5,017.723	27,999.349	111,997.398	0.000	5,012.207	Not Full	No	-0.619	5.516
<input type="checkbox"/>	OTF1_64	5,015.763	0.000	0.000	0.000	5,010.972	Not Full	No	-0.625	4.791
<input type="checkbox"/>	OTF1_65	5,016.743	0.000	0.000	0.000	5,011.202	Not Full	No	-0.357	5.541
<input type="checkbox"/>	OTF1_80	5,013.043	0.000	0.000	0.000	5,009.175	Not Full	No	-0.355	3.868
<input type="checkbox"/>	OTF1_82	5,013.773	0.000	0.000	0.000	5,009.655	Not Full	No	-0.622	4.118
<input type="checkbox"/>	OTF1_87	5,013.123	21,850.552	87,402.207	0.000	5,008.534	Not Full	No	-0.562	4.589
<input type="checkbox"/>	OTF1_88	5,027.903	16,699.674	66,798.695	0.000	5,019.137	Not Full	No	-0.553	8.766
<input type="checkbox"/>	OTF1_89	5,022.873	0.000	0.000	0.000	5,017.140	Not Full	Yes	2.360	5.733
<input type="checkbox"/>	OTF1_90	5,023.493	0.000	0.000	0.000	5,016.609	Not Full	No	-0.510	6.884
<input type="checkbox"/>	OTF1_92	5,022.393	0.000	0.000	0.000	5,015.904	Not Full	No	-0.516	6.489
<input type="checkbox"/>	OTF1_93	5,021.323	0.000	0.000	0.000	5,015.787	Not Full	No	-0.532	5.536
<input type="checkbox"/>	OTF1_94	5,017.163	0.000	0.000	0.000	5,012.827	Not Full	No	-0.563	4.336
<input type="checkbox"/>	OTF1_95	5,012.943	29,275.189	116,937.287	0.000	5,008.918	Not Full	Yes	-0.402	4.025
<input type="checkbox"/>	OTF1_96	5,013.243	0.000	0.000	0.000	5,007.341	Not Full	No	-0.772	5.902
<input type="checkbox"/>	OTF1_97	5,012.803	0.000	0.000	0.000	5,006.972	Not Full	No	-0.641	5.831
<input type="checkbox"/>	OTF1_98	5,011.373	0.000	0.000	0.000	5,005.728	Not Full	No	-0.665	5.645
<input type="checkbox"/>	RMF1_114	5,083.790	0.000	0.000	0.000	5,069.171	Not Full	No	-0.719	14.619
<input type="checkbox"/>	RMF1_118	5,074.620	0.000	0.000	0.000	5,060.105	Not Full	No	-0.565	14.515
<input type="checkbox"/>	SCC_01	5,118.460	48,695.022	187,936.195	0.000	5,101.767	Not Full	No	-0.460	16.693
<input type="checkbox"/>	SCC_02	5,113.610	45,550.063	176,438.226	0.000	5,096.644	Not Full	No	-0.549	16.966
<input type="checkbox"/>	SCC_03	5,106.940	0.000	0.000	0.000	5,092.137	Not Full	No	-0.547	14.803
<input type="checkbox"/>	SCC_04	5,111.500	0.000	0.000	0.000	5,090.349	Not Full	No	-0.544	21.151
<input type="checkbox"/>	SCC_05	5,108.930	0.000	0.000	0.000	5,088.751	Not Full	No	-0.543	20.179
<input type="checkbox"/>	SCC_06	5,106.410	0.000	0.000	0.000	5,087.517	Not Full	No	-0.547	18.893
<input type="checkbox"/>	SCC_07	5,102.770	9,999.356	39,997.425	0.000	5,084.597	Not Full	No	-0.723	18.173
<input type="checkbox"/>	SCC_08	5,097.960	0.000	0.000	0.000	5,081.285	Not Full	No	-0.745	16.675
<input type="checkbox"/>	SCC_09	5,094.160	0.000	0.000	0.000	5,076.844	Not Full	No	-0.736	17.316
<input type="checkbox"/>	SCC_10	5,093.370	0.000	0.000	0.000	5,075.810	Not Full	Yes	-0.670	17.560
<input type="checkbox"/>	SCC_11	5,089.070	0.000	0.000	0.000	5,073.630	Not Full	No	-0.790	15.440
<input type="checkbox"/>	SCC_11A	5,087.810	517,999.485	1,395,342.347	0.000	5,065.999	Not Full	Yes	-0.401	21.811
<input type="checkbox"/>	SCC_12	5,087.290	0.000	0.000	0.000	5,065.508	Not Full	No	-0.402	21.782
<input type="checkbox"/>	SCC_13	5,085.400	0.000	0.000	0.000	5,064.561	Not Full	No	-0.399	20.839
<input type="checkbox"/>	SCC_14	5,081.740	0.000	0.000	0.000	5,063.368	Not Full	No	-0.402	18.372
<input type="checkbox"/>	SCC_15	5,079.780	0.000	0.000	0.000	5,062.169	Not Full	No	-0.401	17.611

FULL BUILDOUT MANHOLE TABLE

	ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
<input type="checkbox"/>	SCC_16	5,077.060	0.000	0.000	0.000	5,060.946	Not Full	No	-0.404	16.114
<input type="checkbox"/>	SCC_17	5,074.870	0.000	0.000	0.000	5,059.718	Not Full	No	-0.402	15.152
<input type="checkbox"/>	SCC_18	5,073.800	0.000	0.000	0.000	5,058.971	Not Full	No	-0.399	14.829
<input type="checkbox"/>	SCC_19	5,072.830	0.000	0.000	0.000	5,057.808	Not Full	No	-0.402	15.022
<input type="checkbox"/>	SCC_20	5,071.610	0.000	0.000	0.000	5,056.778	Not Full	No	-0.402	14.832
<input type="checkbox"/>	SCC_21	5,069.850	0.000	0.000	0.000	5,056.128	Not Full	No	-0.402	13.722
<input type="checkbox"/>	SUN_1	5,117.830	58,999.658	224,841.521	0.000	5,104.343	Not Full	No	-0.463	13.487
<input type="checkbox"/>	SUN_10	5,081.060	0.000	0.000	0.000	5,069.146	Not Full	No	-0.481	11.914
<input type="checkbox"/>	SUN_11	5,071.850	0.000	0.000	0.000	5,059.233	Not Full	No	-0.514	12.617
<input type="checkbox"/>	SUN_12	5,054.840	0.000	0.000	0.000	5,042.364	Not Full	Yes	-0.373	12.476
<input type="checkbox"/>	SUN_13	5,053.120	0.000	0.000	0.000	5,040.454	Not Full	No	-0.432	12.666
<input type="checkbox"/>	SUN_14	5,050.790	0.000	0.000	0.000	5,036.918	Not Full	No	-0.479	13.872
<input type="checkbox"/>	SUN_15	5,035.740	0.000	0.000	0.000	5,029.309	Not Full	Yes	-0.358	6.431
<input type="checkbox"/>	SUN_2	5,109.460	0.000	0.000	0.000	5,097.571	Not Full	No	-0.456	11.889
<input type="checkbox"/>	SUN_3	5,103.540	0.000	0.000	0.000	5,091.689	Not Full	No	-0.417	11.851
<input type="checkbox"/>	SUN_4	5,096.140	0.000	0.000	0.000	5,088.457	Not Full	No	-0.400	7.683
<input type="checkbox"/>	SUN_5	5,099.970	0.000	0.000	0.000	5,087.239	Not Full	Yes	-0.378	12.731
<input type="checkbox"/>	SUN_6	5,104.710	0.000	0.000	0.000	5,085.588	Not Full	No	-0.378	19.122
<input type="checkbox"/>	SUN_7	5,112.510	0.000	0.000	0.000	5,084.339	Not Full	No	-0.378	28.171
<input type="checkbox"/>	SUN_8	5,094.800	0.000	0.000	0.000	5,082.891	Not Full	No	-0.476	11.909
<input type="checkbox"/>	SUN_9	5,087.680	0.000	0.000	0.000	5,076.775	Not Full	No	-0.471	10.905
<input type="checkbox"/>	TOE_2576	5,140.690	0.000	0.000	0.000	5,129.354	Not Full	No	-0.986	11.336
<input type="checkbox"/>	TOE_2577	5,137.370	0.000	0.000	0.000	5,127.454	Not Full	No	-1.106	9.916
<input type="checkbox"/>	TOE_2578	5,132.730	0.000	0.000	0.000	5,123.325	Not Full	No	-1.105	9.405
<input type="checkbox"/>	TOE_2579	5,129.120	0.000	0.000	0.000	5,118.917	Not Full	No	-1.053	10.203
<input type="checkbox"/>	TOE_2580	5,123.350	0.000	0.000	0.000	5,113.226	Not Full	No	-0.964	10.124
<input type="checkbox"/>	TOE_2581	5,125.960	0.000	0.000	0.000	5,111.191	Not Full	No	-0.949	14.769
<input type="checkbox"/>	TOE_2582	5,126.690	0.000	0.000	0.000	5,109.406	Not Full	No	-0.954	17.284
<input type="checkbox"/>	TOE_2583	5,127.830	0.000	0.000	0.000	5,107.537	Not Full	No	-0.923	20.293
<input type="checkbox"/>	TOE_2584	5,127.830	0.000	0.000	0.000	5,105.848	Not Full	No	-0.932	21.982
<input type="checkbox"/>	TOE_2585	5,078.040	0.000	0.000	0.000	5,064.270	Not Full	No	-1.050	13.770
<input type="checkbox"/>	TOE_2586	5,048.720	0.000	0.000	0.000	5,037.128	Not Full	No	-0.992	11.592
<input type="checkbox"/>	TOE_2587	5,051.780	0.000	0.000	0.000	5,035.000	Not Full	No	-1.100	16.780
<input type="checkbox"/>	TOE_2588	5,042.550	0.000	0.000	0.000	5,024.612	Not Full	No	-1.118	17.938
<input type="checkbox"/>	TOE_2589	5,027.940	53,249.740	204,588.246	0.000	5,012.431	Not Full	No	-1.099	15.509
<input type="checkbox"/>	TOE_2590	5,029.380	0.000	0.000	0.000	5,009.454	Not Full	No	-1.186	19.926
<input type="checkbox"/>	TOE_2591	5,026.905	0.000	0.000	0.000	5,008.752	Not Full	Yes	-1.173	18.153
<input type="checkbox"/>	TOE_2592	5,109.510	0.000	0.000	0.000	5,097.701	Not Full	No	-0.436	11.809
<input type="checkbox"/>	TOE_2593	5,110.100	0.000	0.000	0.000	5,097.271	Not Full	No	-0.486	12.829
<input type="checkbox"/>	TOE_2594	5,034.380	0.000	0.000	0.000	5,016.390	Not Full	No	-0.740	17.990
<input type="checkbox"/>	TOE_2595	5,027.210	0.000	0.000	0.000	5,015.609	Not Full	No	-0.671	11.601

FULL BUILDOUT MANHOLE TABLE

	ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
<input type="checkbox"/>	TOE_2596	5,030.630	0.000	0.000	0.000	5,014.831	Not Full	No	-2.079	15.799
<input type="checkbox"/>	TOE_2597	5,029.850	0.000	0.000	0.000	5,014.491	Not Full	No	-2.019	15.359
<input type="checkbox"/>	TOE_2598	5,030.780	0.000	0.000	0.000	5,013.897	Not Full	No	-0.943	16.883
<input type="checkbox"/>	TOE_2609	5,049.595	0.000	0.000	0.000	5,039.753	Not Full	Yes	-0.912	9.842
<input type="checkbox"/>	TOE_2610	5,049.965	0.000	0.000	0.000	5,040.682	Not Full	No	-1.133	9.283
<input type="checkbox"/>	TOE_2612	5,052.325	0.000	0.000	0.000	5,042.836	Not Full	No	-1.139	9.489
<input type="checkbox"/>	TOE_2615	5,011.000	51,746.381	199,091.963	0.000	4,995.136	Not Full	Yes	-0.989	15.864
<input type="checkbox"/>	TOE_2619	5,011.075	0.000	0.000	0.000	4,994.397	Not Full	No	-1.128	16.678
<input type="checkbox"/>	TOE_2620	5,141.225	0.000	0.000	0.000	5,129.382	Not Full	Yes	-0.743	11.843
<input type="checkbox"/>	TOE_2621	5,148.225	0.000	0.000	0.000	5,131.905	Not Full	No	-0.810	16.320
<input type="checkbox"/>	TOE_2622	5,148.225	0.000	0.000	0.000	5,133.818	Not Full	No	-0.757	14.407
<input type="checkbox"/>	TOE_2623	5,158.225	0.000	0.000	0.000	5,144.065	Not Full	No	-0.833	14.160
<input type="checkbox"/>	TOE_2624	5,168.225	0.000	0.000	0.000	5,154.505	Not Full	No	-0.833	13.720
<input type="checkbox"/>	TOE_2625	5,173.225	0.000	0.000	0.000	5,160.575	Not Full	No	-0.833	12.650
<input type="checkbox"/>	TOE_2626	5,185.225	14,250.235	57,000.939	0.000	5,168.595	Not Full	No	-0.577	16.630
<input type="checkbox"/>	TOE_2628	5,083.085	0.000	0.000	0.000	5,068.810	Not Full	Yes	-1.025	14.275
<input type="checkbox"/>	TOE_2629	5,085.095	0.000	0.000	0.000	5,070.472	Not Full	No	-0.803	14.623
<input type="checkbox"/>	TOE_2630	5,088.805	0.000	0.000	0.000	5,074.493	Not Full	Yes	-0.672	14.312
<input type="checkbox"/>	TOE_2631	5,095.275	44,999.983	174,427.134	0.000	5,076.086	Not Full	No	-0.799	19.189
<input type="checkbox"/>	TOE_2635	5,080.000	0.000	0.000	0.000	5,072.240	Not Full	No	-0.833	7.760
<input type="checkbox"/>	TOE_2636	5,085.000	0.000	0.000	0.000	5,071.110	Not Full	No	-0.833	13.890
<input type="checkbox"/>	TOE_2637	5,085.000	0.000	0.000	0.000	5,072.796	Not Full	No	-0.714	12.204
<input type="checkbox"/>	TOE_2638	5,085.000	0.000	0.000	0.000	5,071.672	Not Full	No	-0.668	13.328
<input type="checkbox"/>	TOE_2639	5,085.000	0.000	0.000	0.000	5,070.913	Not Full	No	-0.657	14.087
<input type="checkbox"/>	TOE_2640	5,091.070	0.000	0.000	0.000	5,077.273	Not Full	No	-0.687	13.797
<input type="checkbox"/>	TOE_2646	5,212.890	0.000	0.000	0.000	5,202.610	Not Full	No	-0.266	10.280
<input type="checkbox"/>	TOE_2647	5,214.610	0.000	0.000	0.000	5,204.195	Not Full	Yes	-0.382	10.415
<input type="checkbox"/>	TOE_2648	5,057.225	0.000	0.000	0.000	5,037.374	Not Full	No	-0.561	19.851
<input type="checkbox"/>	TOE_2649	5,058.225	0.000	0.000	0.000	5,038.049	Not Full	No	-0.566	20.176
<input type="checkbox"/>	TOE_2650	5,051.225	32,937.108	130,325.262	0.000	5,035.489	Not Full	No	-0.806	15.736
<input type="checkbox"/>	TOE_2651	5,033.085	0.000	0.000	0.000	5,017.849	Not Full	Yes	-0.576	15.236
<input type="checkbox"/>	TOE_2652	5,031.225	0.000	0.000	0.000	5,017.809	Not Full	No	-0.546	13.416
<input type="checkbox"/>	TOE_2653	5,048.625	0.000	0.000	0.000	5,016.241	Not Full	No	-0.544	32.384
<input type="checkbox"/>	TOE_2654	5,029.225	34,394.387	135,653.075	0.000	5,014.423	Not Full	No	-0.722	14.802
<input type="checkbox"/>	TOE_2655	5,028.225	0.000	0.000	0.000	5,010.388	Not Full	Yes	-0.842	17.837
<input type="checkbox"/>	TOE_2656	5,040.685	0.000	0.000	0.000	5,028.129	Not Full	No	-0.846	12.556
<input type="checkbox"/>	TOE_2657	5,072.520	113,160.917	388,704.998	0.000	5,059.009	Not Full	No	-0.377	13.511
<input type="checkbox"/>	TOE_2659	5,069.950	0.000	0.000	0.000	5,056.143	Not Full	No	-0.373	13.807
<input type="checkbox"/>	TOE_2660	5,063.730	0.000	0.000	0.000	5,051.343	Not Full	No	-0.354	12.387
<input type="checkbox"/>	TOE_2661	5,060.080	0.000	0.000	0.000	5,047.994	Not Full	No	-0.353	12.086
<input type="checkbox"/>	TOE_2662	5,055.000	0.000	0.000	0.000	5,041.470	Not Full	No	-0.765	13.530

FULL BUILDOUT MANHOLE TABLE

	ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
<input type="checkbox"/>	TOE_2663	5,059.350	0.000	0.000	0.000	5,046.871	Not Full	No	-0.375	12.479
<input type="checkbox"/>	TOE_2664	5,051.225	0.000	0.000	0.000	5,039.002	Not Full	Yes	-0.573	12.223
<input type="checkbox"/>	TOE_2673	5,142.740	0.000	0.000	0.000	5,127.338	Not Full	No	-0.535	15.402
<input type="checkbox"/>	TOE_2710	5,188.970	121,000.274	411,089.749	0.000	5,171.869	Not Full	Yes	-0.154	17.101
<input type="checkbox"/>	TOE_2711	5,175.840	0.000	0.000	0.000	5,168.648	Not Full	No	-0.235	7.192
<input type="checkbox"/>	TOE_2712	5,183.520	0.000	0.000	0.000	5,171.253	Not Full	No	0.030	12.267
<input type="checkbox"/>	TOE_2713	5,179.770	0.000	0.000	0.000	5,170.699	Not Full	No	0.006	9.071
<input type="checkbox"/>	TOE_2714	5,179.540	0.000	0.000	0.000	5,170.276	Not Full	No	0.022	9.264
<input type="checkbox"/>	TOE_2715	5,171.960	0.000	0.000	0.000	5,168.053	Not Full	No	0.230	3.907
<input type="checkbox"/>	TOE_2716	5,173.770	0.000	0.000	0.000	5,167.319	Not Full	No	0.036	6.451
<input type="checkbox"/>	TOE_2717	5,171.760	0.000	0.000	0.000	5,166.370	Not Full	No	-0.423	5.390
<input type="checkbox"/>	TOE_2718	5,169.220	0.000	0.000	0.000	5,159.920	Not Full	Yes	-0.163	9.300
<input type="checkbox"/>	TOE_2719	5,171.870	0.000	0.000	0.000	5,157.470	Not Full	No	-0.334	14.400
<input type="checkbox"/>	TOE_2720	5,162.710	0.000	0.000	0.000	5,153.683	Not Full	Yes	-0.160	9.027
<input type="checkbox"/>	TOE_2721	5,160.580	0.000	0.000	0.000	5,151.444	Not Full	No	-0.469	9.136
<input type="checkbox"/>	TOE_2722	5,153.520	0.000	0.000	0.000	5,144.526	Not Full	No	-0.467	8.994
<input type="checkbox"/>	TOE_2723	5,149.910	0.000	0.000	0.000	5,140.833	Not Full	No	-0.480	9.077
<input type="checkbox"/>	TOE_2724	5,137.860	0.000	0.000	0.000	5,129.334	Not Full	Yes	-0.280	8.526
<input type="checkbox"/>	TOE_2725	5,133.820	0.000	0.000	0.000	5,126.477	Not Full	No	-0.296	7.343
<input type="checkbox"/>	TOE_2726	5,130.690	0.000	0.000	0.000	5,123.106	Not Full	No	-0.467	7.584
<input type="checkbox"/>	TOE_2727	5,121.990	0.000	0.000	0.000	5,112.797	Not Full	No	-0.527	9.193
<input type="checkbox"/>	TOE_2728	5,115.430	0.000	0.000	0.000	5,104.625	Not Full	No	-0.518	10.805
<input type="checkbox"/>	TOE_2729	5,114.600	0.000	0.000	0.000	5,101.922	Not Full	No	-0.461	12.678
<input type="checkbox"/>	TOE_2730	5,107.960	0.000	0.000	0.000	5,095.390	Not Full	No	-0.344	12.570
<input type="checkbox"/>	TOE_2731	5,101.300	0.000	0.000	0.000	5,092.496	Not Full	No	-0.421	8.804
<input type="checkbox"/>	TOE_2732	5,104.000	0.000	0.000	0.000	5,094.355	Not Full	No	-0.332	9.645
<input type="checkbox"/>	TOE_2733	5,112.400	0.000	0.000	0.000	5,095.636	Not Full	Yes	-0.341	16.764
<input type="checkbox"/>	TOE_2734	5,010.600	0.000	0.000	0.000	4,998.534	Not Full	No	-1.491	12.066
<input type="checkbox"/>	TOE_2735	5,014.525	0.000	0.000	0.000	4,999.475	Not Full	No	-1.150	15.050
<input type="checkbox"/>	TOE_2736	5,017.825	0.000	0.000	0.000	5,000.415	Not Full	No	-1.110	17.410
<input type="checkbox"/>	TOE_2737	5,023.625	0.000	0.000	0.000	5,003.189	Not Full	No	-1.136	20.436
<input type="checkbox"/>	TOE_2738	5,023.325	0.000	0.000	0.000	5,004.130	Not Full	No	-0.995	19.195
<input type="checkbox"/>	TOE_2739	5,020.425	0.000	0.000	0.000	5,005.120	Not Full	No	-1.105	15.305
<input type="checkbox"/>	TOE_2740	5,022.425	0.000	0.000	0.000	5,006.162	Not Full	No	-1.063	16.263
<input type="checkbox"/>	TOE_2741	5,025.425	0.000	0.000	0.000	5,007.118	Not Full	No	-1.007	18.307
<input type="checkbox"/>	TOE_2742	5,025.825	0.000	0.000	0.000	5,007.399	Not Full	No	-1.126	18.426
<input type="checkbox"/>	TOE_2743	5,026.525	0.000	0.000	0.000	5,007.942	Not Full	No	-1.283	18.583
<input type="checkbox"/>	TOE_2744	5,029.425	0.000	0.000	0.000	5,010.248	Not Full	Yes	0.223	19.177
<input type="checkbox"/>	TOE_2745	5,028.225	0.000	0.000	0.000	5,010.380	Not Full	No	-0.295	17.845
<input type="checkbox"/>	TOE_2746	5,027.525	0.000	0.000	0.000	5,014.824	Not Full	No	-1.001	12.701
<input type="checkbox"/>	TOE_2747	5,053.435	92,584.765	328,169.958	0.000	5,038.704	Not Full	No	-1.021	14.731

FULL BUILDOUT MANHOLE TABLE

	ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
<input type="checkbox"/>	TOE_2748	5,094.000	0.000	0.000	0.000	5,081.323	Not Full	No	-0.427	12.677
<input type="checkbox"/>	TOE_2749	5,090.550	0.000	0.000	0.000	5,078.103	Not Full	No	-0.397	12.447
<input type="checkbox"/>	TOE_2750	5,087.000	0.000	0.000	0.000	5,074.225	Not Full	No	-0.525	12.775
<input type="checkbox"/>	TOE_2751	5,081.000	0.000	0.000	0.000	5,068.796	Not Full	No	-0.784	12.204
<input type="checkbox"/>	TOE_2752	5,075.220	0.000	0.000	0.000	5,062.988	Not Full	No	-0.732	12.232
<input type="checkbox"/>	TOE_2753	5,069.870	0.000	0.000	0.000	5,058.891	Not Full	No	-0.749	10.979
<input type="checkbox"/>	TOE_2754	5,066.730	0.000	0.000	0.000	5,054.895	Not Full	No	-0.695	11.835
<input type="checkbox"/>	TOE_2755	5,064.690	0.000	0.000	0.000	5,053.744	Not Full	No	-0.726	10.946
<input type="checkbox"/>	TOE_2756	5,059.960	0.000	0.000	0.000	5,047.157	Not Full	No	-0.723	12.803
<input type="checkbox"/>	TOE_2757	5,058.890	0.000	0.000	0.000	5,046.356	Not Full	No	-0.774	12.534
<input type="checkbox"/>	TOE_2758	5,033.130	0.000	0.000	0.000	5,020.087	Not Full	No	-0.703	13.043
<input type="checkbox"/>	TOE_2759	5,062.630	33,805.427	133,499.838	0.000	5,050.640	Not Full	No	-0.730	11.990
<input type="checkbox"/>	TOE_2760	5,053.320	0.000	0.000	0.000	5,039.983	Not Full	No	-0.807	13.337
<input type="checkbox"/>	TOE_2761	5,030.160	0.000	0.000	0.000	5,019.217	Not Full	No	-0.853	10.943
<input type="checkbox"/>	TOE_2762	5,029.520	0.000	0.000	0.000	5,019.109	Not Full	No	-0.711	10.411
<input type="checkbox"/>	TOE_2763	5,031.630	0.000	0.000	0.000	5,017.084	Not Full	No	-0.746	14.546
<input type="checkbox"/>	TOE_2764	5,030.240	0.000	0.000	0.000	5,018.172	Not Full	No	-0.768	12.068
<input type="checkbox"/>	TOE_2765	5,031.520	0.000	0.000	0.000	5,016.203	Not Full	No	-0.647	15.317
<input type="checkbox"/>	TOE_2766	5,029.380	0.000	0.000	0.000	5,015.893	Not Full	No	-0.727	13.487
<input type="checkbox"/>	TOE_2767	5,028.000	0.000	0.000	0.000	5,015.353	Not Full	No	-0.917	12.647
<input type="checkbox"/>	TOE_2768	5,027.030	0.000	0.000	0.000	5,013.388	Not Full	No	-1.042	13.642
<input type="checkbox"/>	TOE_2769	5,021.960	0.000	0.000	0.000	5,009.303	Not Full	No	-0.757	12.657
<input type="checkbox"/>	TOE_2770	5,018.710	0.000	0.000	0.000	5,008.208	Not Full	No	-0.752	10.502
<input type="checkbox"/>	TOE_2771	5,019.010	3,500.639	14,002.555	0.000	5,007.164	Not Full	No	-0.926	11.846
<input type="checkbox"/>	TOE_2772	5,020.000	0.000	0.000	0.000	5,006.753	Not Full	Yes	-0.777	13.247
<input type="checkbox"/>	TOE_2773	5,019.000	0.000	0.000	0.000	5,006.132	Not Full	No	-0.518	12.868
<input type="checkbox"/>	TOE_2774	5,017.000	0.000	0.000	0.000	5,005.991	Not Full	No	0.341	11.009
<input type="checkbox"/>	TOE_2775	5,015.840	0.000	0.000	0.000	5,005.133	Not Full	No	-0.667	10.707
<input type="checkbox"/>	TOE_2776	5,014.980	0.000	0.000	0.000	5,004.491	Not Full	No	-0.549	10.489
<input type="checkbox"/>	TOE_2777	5,012.960	0.000	0.000	0.000	5,003.957	Not Full	No	-0.573	9.003
<input type="checkbox"/>	TOE_2778	5,012.130	0.000	0.000	0.000	5,003.488	Not Full	No	-0.552	8.642
<input type="checkbox"/>	TOE_2779	5,009.900	0.000	0.000	0.000	5,003.315	Not Full	No	-0.265	6.585
<input type="checkbox"/>	TOE_2780	5,011.970	0.000	0.000	0.000	5,003.060	Not Full	No	-0.050	8.910
<input type="checkbox"/>	TOE_2781	5,011.660	0.000	0.000	0.000	5,002.900	Not Full	No	0.100	8.760
<input type="checkbox"/>	TOE_2782	5,011.310	0.000	0.000	0.000	5,002.050	Not Full	No	-0.890	9.260
<input type="checkbox"/>	TOE_2783	5,008.830	0.000	0.000	0.000	5,001.819	Not Full	No	-0.741	7.011
<input type="checkbox"/>	TOE_2784	5,006.790	0.000	0.000	0.000	5,000.717	Not Full	No	-0.833	6.073
<input type="checkbox"/>	TOE_2785	5,012.690	0.000	0.000	0.000	5,000.587	Not Full	No	-0.833	12.103
<input type="checkbox"/>	TOE_2786	5,008.290	92,388.925	327,593.797	0.000	5,001.700	Not Full	No	0.060	6.590
<input type="checkbox"/>	TOE_2787	5,016.850	0.000	0.000	0.000	5,000.297	Not Full	No	0.067	16.553
<input type="checkbox"/>	TOE_2788	5,014.290	0.000	0.000	0.000	5,000.446	Not Full	No	-0.694	13.844

FULL BUILDOUT MANHOLE TABLE

	ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
<input type="checkbox"/>	TOE_2789	5,007.240	0.000	0.000	0.000	4,996.128	Not Full	No	-1.022	11.112
<input type="checkbox"/>	TOE_2790	5,012.380	44,943.823	174,221.813	0.000	4,996.350	Not Full	No	-0.730	16.030
<input type="checkbox"/>	TOE_2791	5,004.080	0.000	0.000	0.000	4,995.697	Not Full	No	-1.003	8.383
<input type="checkbox"/>	TOE_2792	5,003.840	0.000	0.000	0.000	4,995.425	Not Full	No	-1.125	8.415
<input type="checkbox"/>	TOE_2793	5,008.860	0.000	0.000	0.000	4,994.800	Not Full	No	-1.190	14.060
<input type="checkbox"/>	TOE_2794	5,009.670	0.000	0.000	0.000	4,994.244	Not Full	No	-1.076	15.426
<input type="checkbox"/>	TOE_2795	5,011.010	0.000	0.000	0.000	4,993.922	Not Full	No	-0.898	17.088
<input type="checkbox"/>	TOE_2798	5,011.503	65,534.375	245,144.888	0.000	5,000.988	Not Full	Yes	-0.445	10.515
<input type="checkbox"/>	TOE_2799	5,007.780	0.000	0.000	0.000	5,000.231	Not Full	No	-0.855	7.549
<input type="checkbox"/>	TOE_2800	5,010.450	0.000	0.000	0.000	4,992.621	Not Full	No	-2.279	17.829
<input type="checkbox"/>	TOE_2801	5,055.525	0.000	0.000	0.000	5,045.298	Not Full	No	-1.157	10.227
<input type="checkbox"/>	TOE_2802	5,061.985	0.000	0.000	0.000	5,047.250	Not Full	No	-1.015	14.735
<input type="checkbox"/>	TOE_2803	5,065.905	0.000	0.000	0.000	5,048.160	Not Full	No	-0.995	17.745
<input type="checkbox"/>	TOE_2804	5,067.345	0.000	0.000	0.000	5,049.156	Not Full	No	-0.989	18.189
<input type="checkbox"/>	TOE_2805	5,093.920	0.000	0.000	0.000	5,081.845	Not Full	No	-1.065	12.075
<input type="checkbox"/>	TOE_2806	5,098.000	0.000	0.000	0.000	5,085.160	Not Full	No	-1.080	12.840
<input type="checkbox"/>	TOE_2807	5,096.900	0.000	0.000	0.000	5,087.413	Not Full	No	-0.967	9.487
<input type="checkbox"/>	TOE_2808	5,105.750	0.000	0.000	0.000	5,094.804	Not Full	No	-1.076	10.946
<input type="checkbox"/>	TOE_2809	5,152.350	0.000	0.000	0.000	5,134.005	Not Full	No	-0.579	18.345
<input type="checkbox"/>	TOE_2817	5,046.820	0.000	0.000	0.000	5,031.809	Not Full	No	-0.841	15.011
<input type="checkbox"/>	TOE_2818	5,034.360	0.000	0.000	0.000	5,021.098	Not Full	Yes	-0.842	13.262
<input type="checkbox"/>	TOE_2819	5,101.240	0.000	0.000	0.000	5,090.287	Not Full	No	-1.013	10.953
<input type="checkbox"/>	TOE_2825	5,011.300	0.000	0.000	0.000	4,991.651	Not Full	No	-1.849	19.649
<input type="checkbox"/>	TOE_2826	5,010.820	0.000	0.000	0.000	4,991.011	Not Full	Yes	-1.439	19.809
<input type="checkbox"/>	TOE_2827	5,010.790	0.000	0.000	0.000	4,990.328	Not Full	No	-1.712	20.462
<input type="checkbox"/>	TOE_2828	5,009.220	0.000	0.000	0.000	4,989.464	Not Full	No	-1.406	19.756
<input type="checkbox"/>	TOE_2829	5,007.990	0.000	0.000	0.000	4,988.121	Not Full	Yes	-1.699	19.869
<input type="checkbox"/>	TOE_2830	5,007.630	0.000	0.000	0.000	4,987.968	Not Full	No	-1.462	19.662
<input type="checkbox"/>	TOE_2831	5,006.030	0.000	0.000	0.000	4,987.491	Not Full	No	-1.409	18.539
<input type="checkbox"/>	TOE_2832	5,004.210	0.000	0.000	0.000	4,987.088	Not Full	No	-1.622	17.122
<input type="checkbox"/>	TOE_2833	5,004.410	0.000	0.000	0.000	4,986.831	Not Full	No	-1.449	17.579
<input type="checkbox"/>	TOE_2834	5,004.240	0.000	0.000	0.000	4,985.853	Not Full	No	-1.587	18.387
<input type="checkbox"/>	TOE_2835	5,001.480	0.000	0.000	0.000	4,984.868	Not Full	No	-1.532	16.612
<input type="checkbox"/>	TOE_2836	5,000.540	0.000	0.000	0.000	4,983.987	Not Full	No	-1.473	16.553
<input type="checkbox"/>	TOE_2837	5,000.330	0.000	0.000	0.000	4,983.539	Not Full	No	-1.131	16.791
<input type="checkbox"/>	TOE_2838	5,005.660	0.000	0.000	0.000	4,982.371	Not Full	No	-1.409	23.289
<input type="checkbox"/>	TOE_2839	5,002.590	0.000	0.000	0.000	4,982.883	Not Full	No	-1.427	19.707
<input type="checkbox"/>	TOE_2840	5,006.110	0.000	0.000	0.000	4,981.703	Not Full	No	-1.557	24.407
<input type="checkbox"/>	TOE_2841	5,002.460	0.000	0.000	0.000	4,980.853	Not Full	No	-1.757	21.607
<input type="checkbox"/>	TOE_2842	5,002.920	0.000	0.000	0.000	4,979.925	Not Full	Yes	-1.685	22.995
<input type="checkbox"/>	TOE_2843	5,000.380	0.000	0.000	0.000	4,980.449	Not Full	No	-1.921	19.931

FULL BUILDOUT MANHOLE TABLE

	ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
<input type="checkbox"/>	TOE_2844	4,994.190	0.000	0.000	0.000	4,978.499	Not Full	No	-1.821	15.691
<input type="checkbox"/>	TOE_2845	4,993.980	0.000	0.000	0.000	4,978.491	Not Full	Yes	-1.489	15.489
<input type="checkbox"/>	TOE_2846	4,991.150	0.000	0.000	0.000	4,977.943	Not Full	No	-1.557	13.207
<input type="checkbox"/>	TOE_2847	4,990.880	0.000	0.000	0.000	4,977.039	Not Full	No	-1.831	13.841
<input type="checkbox"/>	TOE_2848	4,990.370	0.000	0.000	0.000	4,976.503	Not Full	No	-1.857	13.867
<input type="checkbox"/>	TOE_2849	4,990.000	0.000	0.000	0.000	4,973.926	Not Full	No	-2.054	16.074
<input type="checkbox"/>	TOE_2850	4,988.020	0.000	0.000	0.000	4,969.779	Not Full	No	-2.031	18.241
<input type="checkbox"/>	TOE_2851	4,987.060	0.000	0.000	0.000	4,967.582	Not Full	No	-1.828	19.478
<input type="checkbox"/>	TOE_2852	4,985.500	0.000	0.000	0.000	4,967.293	Not Full	Yes	-1.447	18.207
<input type="checkbox"/>	TOE_2853	4,986.910	0.000	0.000	0.000	4,967.296	Not Full	No	-1.784	19.614
<input type="checkbox"/>	TOE_2854	4,987.460	0.000	0.000	0.000	4,970.109	Not Full	No	-0.641	17.351
<input type="checkbox"/>	TOE_2855	4,986.200	0.000	0.000	0.000	4,971.112	Not Full	No	-0.568	15.088
<input type="checkbox"/>	TOE_2856	4,988.050	0.000	0.000	0.000	4,971.871	Not Full	No	-0.609	16.179
<input type="checkbox"/>	TOE_2857	4,987.820	0.000	0.000	0.000	4,972.235	Not Full	Yes	-0.615	15.585
<input type="checkbox"/>	TOE_2858	4,988.840	0.000	0.000	0.000	4,975.907	Not Full	No	-0.723	12.933
<input type="checkbox"/>	TOE_2859	4,989.490	0.000	0.000	0.000	4,977.896	Not Full	Yes	-0.654	11.594
<input type="checkbox"/>	TOE_2860	4,985.430	0.000	0.000	0.000	4,966.528	Not Full	No	-1.392	18.902
<input type="checkbox"/>	TOE_2861	4,983.250	0.000	0.000	0.000	4,965.503	Not Full	No	-1.677	17.747
<input type="checkbox"/>	TOE_2862	4,982.380	0.000	0.000	0.000	4,965.473	Not Full	Yes	-1.237	16.907
<input type="checkbox"/>	TOE_2863	4,982.420	0.000	0.000	0.000	4,964.832	Not Full	No	-1.578	17.588
<input type="checkbox"/>	TOE_2864	4,980.720	0.000	0.000	0.000	4,964.010	Not Full	No	-1.700	16.710
<input type="checkbox"/>	TOE_2865	4,981.960	0.000	0.000	0.000	4,963.807	Not Full	No	-1.403	18.153
<input type="checkbox"/>	TOE_2866	4,982.300	0.000	0.000	0.000	4,963.265	Not Full	No	-1.405	19.035
<input type="checkbox"/>	TOE_2867	4,984.250	29,000.149	115,931.741	0.000	4,962.402	Not Full	No	-1.698	21.848
<input type="checkbox"/>	TOE_2868	4,980.960	0.000	0.000	0.000	4,961.311	Not Full	No	-1.479	19.649
<input type="checkbox"/>	TOE_2869	4,978.450	0.000	0.000	0.000	4,960.463	Not Full	No	-1.427	17.987
<input type="checkbox"/>	TOE_2870	4,976.690	0.000	0.000	0.000	4,959.652	Not Full	No	-1.448	17.038
<input type="checkbox"/>	TOE_2871	4,974.820	0.000	0.000	0.000	4,958.819	Not Full	No	-1.391	16.001
<input type="checkbox"/>	TOE_2872	4,973.300	0.000	0.000	0.000	4,957.970	Not Full	No	-1.510	15.330
<input type="checkbox"/>	TOE_2873	4,970.750	0.000	0.000	0.000	4,957.354	Not Full	No	-1.286	13.396
<input type="checkbox"/>	TOE_2874	4,969.570	0.000	0.000	0.000	4,956.953	Not Full	No	-1.497	12.617
<input type="checkbox"/>	TOE_2875	4,967.820	0.000	0.000	0.000	4,956.520	Not Full	No	-1.570	11.300
<input type="checkbox"/>	TOE_2876	4,970.850	0.000	0.000	0.000	4,956.179	Not Full	No	-1.511	14.671
<input type="checkbox"/>	TOE_2877	4,969.020	0.000	0.000	0.000	4,955.547	Not Full	No	-1.393	13.473
<input type="checkbox"/>	TOE_2878	4,975.470	0.000	0.000	0.000	4,954.869	Not Full	No	-1.441	20.601
<input type="checkbox"/>	TOE_2879	4,993.130	0.000	0.000	0.000	4,954.155	Not Full	No	-1.385	38.975
<input type="checkbox"/>	TOE_2880	4,992.470	0.000	0.000	0.000	4,953.724	Not Full	No	-1.676	38.746
<input type="checkbox"/>	TOE_2881	4,986.390	0.000	0.000	0.000	4,953.343	Not Full	No	-1.377	33.047
<input type="checkbox"/>	TOE_2882	4,983.690	72,499.653	266,786.005	0.000	4,952.899	Not Full	No	-1.421	30.791
<input type="checkbox"/>	TOE_2883	4,977.290	0.000	0.000	0.000	4,952.510	Not Full	No	-1.460	24.780
<input type="checkbox"/>	TOE_2884	4,973.860	0.000	0.000	0.000	4,951.618	Not Full	No	-1.442	22.242

FULL BUILDOUT MANHOLE TABLE

	ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
<input type="checkbox"/>	TOE_2885	4,966.950	0.000	0.000	0.000	4,950.685	Not Full	No	-1.565	16.265
<input type="checkbox"/>	TOE_2886	4,962.980	0.000	0.000	0.000	4,949.921	Not Full	Yes	-1.459	13.059
<input type="checkbox"/>	TOE_2887	4,963.360	0.000	0.000	0.000	4,949.213	Not Full	No	-1.567	14.147
<input type="checkbox"/>	TOE_2888	4,965.190	0.000	0.000	0.000	4,948.430	Not Full	No	-1.130	16.760
<input type="checkbox"/>	TOE_2889	4,956.350	45,236.143	175,290.535	0.000	4,941.146	Not Full	No	-1.624	15.204
<input type="checkbox"/>	TOE_2890	4,957.260	0.000	0.000	0.000	4,940.775	Not Full	No	-1.585	16.485
<input type="checkbox"/>	TOE_2891	4,956.430	0.000	0.000	0.000	4,939.542	Not Full	No	-1.798	16.888
<input type="checkbox"/>	TOE_2892	4,952.720	0.000	0.000	0.000	4,939.531	Not Full	Yes	-1.279	13.189
<input type="checkbox"/>	TOE_2893	4,951.610	0.000	0.000	0.000	4,938.568	Not Full	No	-1.492	13.042
<input type="checkbox"/>	TOE_2894	4,950.110	0.000	0.000	0.000	4,937.649	Not Full	No	-1.411	12.461
<input type="checkbox"/>	TOE_2895	4,948.680	0.000	0.000	0.000	4,936.638	Not Full	No	-1.432	12.042
<input type="checkbox"/>	TOE_2896	4,945.630	0.000	0.000	0.000	4,935.897	Not Full	No	-1.283	9.733
<input type="checkbox"/>	TOE_2897	4,944.050	0.000	0.000	0.000	4,934.678	Not Full	No	-1.792	9.372
<input type="checkbox"/>	TOE_2898	4,942.250	0.000	0.000	0.000	4,932.966	Not Full	Yes	-1.344	9.284
<input type="checkbox"/>	TOE_2899	4,941.010	0.000	0.000	0.000	4,932.111	Not Full	No	-1.489	8.899
<input type="checkbox"/>	TOE_2900	4,939.280	0.000	0.000	0.000	4,931.121	Not Full	No	-1.619	8.159
<input type="checkbox"/>	TOE_2901	4,939.080	0.000	0.000	0.000	4,931.034	Not Full	No	-1.496	8.046
<input type="checkbox"/>	TOE_2902	4,941.290	0.000	0.000	0.000	4,930.277	Not Full	No	-1.433	11.013
<input type="checkbox"/>	TOE_2903	4,936.850	0.000	0.000	0.000	4,929.333	Not Full	No	-1.357	7.517
<input type="checkbox"/>	TOE_2904	4,934.060	146,306.825	482,375.442	0.000	4,929.234	Not Full	No	-0.636	4.826
<input type="checkbox"/>	TOE_2905	5,019.625	0.000	0.000	0.000	5,002.201	Not Full	No	-0.824	17.424
<input type="checkbox"/>	TOE_2906	5,019.725	0.000	0.000	0.000	5,001.332	Not Full	No	-1.093	18.393
<input type="checkbox"/>	TOE_2914	5,023.740	0.000	0.000	0.000	5,009.927	Not Full	Yes	-0.753	13.813
<input type="checkbox"/>	TOE_2915	5,115.200	0.000	0.000	0.000	5,100.410	Not Full	No	-0.457	14.790
<input type="checkbox"/>	TOE_2916	5,116.100	0.000	0.000	0.000	5,103.372	Not Full	No	-0.495	12.728
<input type="checkbox"/>	TOE_2917	5,127.100	55,624.299	213,269.634	0.000	5,116.967	Not Full	No	-0.500	10.133
<input type="checkbox"/>	TOE_2920	4,988.020	0.000	0.000	0.000	4,970.453	Not Full	No	-2.037	17.567
<input type="checkbox"/>	TOE_2921	5,009.220	0.000	0.000	0.000	4,988.779	Not Full	No	-1.751	20.441
<input type="checkbox"/>	TOE_2941	5,101.560	0.000	0.000	0.000	5,083.584	Not Full	No	-0.716	17.976
<input type="checkbox"/>	TOE_2942	5,095.220	0.000	0.000	0.000	5,079.759	Not Full	No	-0.771	15.461
<input type="checkbox"/>	TOE_2943	5,086.380	0.000	0.000	0.000	5,070.413	Not Full	No	-0.767	15.967
<input type="checkbox"/>	TOE_2944	5,080.970	198,058.965	622,138.019	0.000	5,057.829	Not Full	Yes	-0.691	23.141
<input type="checkbox"/>	TOE_2945	5,071.410	0.000	0.000	0.000	5,057.337	Not Full	No	-0.583	14.073
<input type="checkbox"/>	TOE_2946	5,070.940	0.000	0.000	0.000	5,056.646	Not Full	No	-0.634	14.294
<input type="checkbox"/>	TOE_2947	5,070.110	0.000	0.000	0.000	5,056.220	Not Full	No	-0.490	13.890
<input type="checkbox"/>	TOE_2948	5,070.560	0.000	0.000	0.000	5,056.119	Not Full	No	-0.341	14.441
<input type="checkbox"/>	TOE_2949	5,067.830	0.000	0.000	0.000	5,055.513	Not Full	No	-0.457	12.317
<input type="checkbox"/>	TOE_2950	4,930.000	0.000	0.000	0.000	4,928.443	Not Full	No	-0.687	1.557
<input type="checkbox"/>	TOE_2951	4,934.060	0.000	0.000	0.000	4,929.133	Not Full	No	-0.617	4.927
<input type="checkbox"/>	TOE_2960	5,099.000	0.000	0.000	0.000	5,087.466	Not Full	No	-0.494	11.534
<input type="checkbox"/>	TOE_2962	5,098.360	0.000	0.000	0.000	5,088.149	Not Full	Yes	-0.191	10.211

FULL BUILDOUT MANHOLE TABLE

	ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
<input type="checkbox"/>	TOE_2964	5,098.200	19,787.033	79,148.130	0.000	5,087.481	Not Full	No	-0.719	10.719
<input type="checkbox"/>	TOE_2965	5,099.700	0.000	0.000	0.000	5,088.910	Not Full	Yes	-0.590	10.790
<input type="checkbox"/>	TOE_2966	5,104.500	0.000	0.000	0.000	5,096.054	Not Full	No	-0.746	8.446
<input type="checkbox"/>	TOE_2967	5,109.100	0.000	0.000	0.000	5,098.203	Not Full	Yes	-0.597	10.897
<input type="checkbox"/>	TOE_2968	5,110.300	0.000	0.000	0.000	5,100.083	Not Full	No	-0.717	10.217
<input type="checkbox"/>	TOE_2969	5,111.800	0.000	0.000	0.000	5,099.164	Not Full	No	-0.636	12.636
<input type="checkbox"/>	TOE_2970	5,116.500	51,750.701	199,107.757	0.000	5,103.830	Not Full	No	-0.570	12.670
<input type="checkbox"/>	TOE_2971	5,115.900	0.000	0.000	0.000	5,102.603	Not Full	No	-0.597	13.297
<input type="checkbox"/>	TOE_2972	5,117.400	0.000	0.000	0.000	5,101.278	Not Full	No	-0.622	16.122
<input type="checkbox"/>	TOE_2973	5,120.000	0.000	0.000	0.000	5,105.873	Not Full	No	-0.627	14.127
<input type="checkbox"/>	TOE_2977	5,105.640	13,249.435	52,997.740	0.000	5,099.334	Not Full	No	-0.483	6.306
<input type="checkbox"/>	TOE_2978	5,133.570	29,250.709	116,847.788	0.000	5,112.733	Not Full	No	-0.987	20.837
<input type="checkbox"/>	TOE_2979	5,125.960	0.000	0.000	0.000	5,110.809	Not Full	No	-0.951	15.151
<input type="checkbox"/>	TOE_2980	5,135.280	0.000	0.000	0.000	5,109.300	Not Full	Yes	-0.940	25.980
<input type="checkbox"/>	TOE_2981	5,129.120	0.000	0.000	0.000	5,118.091	Not Full	No	-1.053	11.029
<input type="checkbox"/>	TOE_2982	5,156.250	0.000	0.000	0.000	5,134.500	Not Full	No	-1.500	21.750
<input type="checkbox"/>	TOE_2983	5,156.910	500,421.412	1,355,387.386	0.000	5,133.789	Not Full	No	-1.171	23.121
<input type="checkbox"/>	TOE_2984	5,083.315	0.000	0.000	0.000	5,073.524	Not Full	No	-0.861	9.791
<input type="checkbox"/>	TOE_2985	5,135.145	0.000	0.000	0.000	5,119.075	Not Full	No	-0.690	16.070
<input type="checkbox"/>	TOE_2986	5,135.995	37,500.466	147,008.900	0.000	5,119.343	Not Full	No	-0.712	16.652
<input type="checkbox"/>	TOE_2987	5,143.225	0.000	0.000	0.000	5,124.316	Not Full	Yes	-0.699	18.909
<input type="checkbox"/>	TOE_2988	5,151.225	0.000	0.000	0.000	5,126.278	Not Full	No	-0.707	24.947
<input type="checkbox"/>	TOE_2989	5,151.225	27,999.349	111,997.398	0.000	5,128.336	Not Full	No	-0.709	22.889
<input type="checkbox"/>	TOE_2990	5,127.040	0.000	0.000	0.000	5,116.776	Not Full	No	-0.431	10.264
<input type="checkbox"/>	TOE_2991	5,143.225	0.000	0.000	0.000	5,122.364	Not Full	No	-0.721	20.861
<input type="checkbox"/>	TOE_2992	5,107.670	0.000	0.000	0.000	5,092.244	Not Full	No	-0.359	15.426
<input type="checkbox"/>	TOE_2994	5,011.000	0.000	0.000	0.000	4,993.202	Not Full	No	-1.868	17.798
<input type="checkbox"/>	TOE_2997	5,102.000	0.000	0.000	0.000	5,087.077	Not Full	No	-0.456	14.923
<input type="checkbox"/>	TOE_3003	5,171.230	0.000	0.000	0.000	5,155.175	Not Full	No	-0.833	16.055
<input type="checkbox"/>	TOE_3005	5,011.000	0.000	0.000	0.000	4,993.013	Not Full	No	-2.257	17.987
<input type="checkbox"/>	VPF1_1	5,067.160	0.000	0.000	0.000	5,054.801	Not Full	No	-0.559	12.359
<input type="checkbox"/>	VPF1_103	5,067.570	0.000	0.000	0.000	5,052.757	Not Full	No	-0.893	14.813
<input type="checkbox"/>	VPF1_11	5,075.480	0.000	0.000	0.000	5,064.511	Not Full	No	-1.239	10.969
<input type="checkbox"/>	VPF1_12	5,071.900	0.000	0.000	0.000	5,060.981	Not Full	No	-1.169	10.919
<input type="checkbox"/>	VPF1_126	5,074.140	0.000	0.000	0.000	5,055.890	Not Full	No	-0.667	18.250
<input type="checkbox"/>	VPF1_127	5,066.000	0.000	0.000	0.000	5,051.180	Not Full	No	-0.667	14.820
<input type="checkbox"/>	VPF1_128	5,059.140	0.000	0.000	0.000	5,046.440	Not Full	No	-0.667	12.700
<input type="checkbox"/>	VPF1_129	5,058.660	20,999.512	83,998.048	0.000	5,045.548	Not Full	No	-0.528	13.112
<input type="checkbox"/>	VPF1_13	5,078.400	0.000	0.000	0.000	5,059.085	Not Full	No	-1.265	19.315
<input type="checkbox"/>	VPF1_130	5,056.230	0.000	0.000	0.000	5,043.799	Not Full	No	-0.567	12.431
<input type="checkbox"/>	VPF1_14	5,069.300	0.000	0.000	0.000	5,055.205	Not Full	Yes	-0.845	14.095

FULL BUILDOUT MANHOLE TABLE

	ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
	VPF1_15	5,069.300	0.000	0.000	0.000	5,054.755	Not Full	No	-0.895	14.545
	VPF1_15A	5,064.530	40,750.545	158,891.188	0.000	5,051.214	Not Full	Yes	-0.836	13.316
	VPF1_16	5,062.560	0.000	0.000	0.000	5,049.451	Not Full	No	-1.449	13.109
	VPF1_17	5,058.600	0.000	0.000	0.000	5,038.266	Not Full	Yes	-0.884	20.334
	VPF1_18A	5,058.100	0.000	0.000	0.000	5,037.177	Not Full	No	-0.973	20.923
	VPF1_19A	5,056.800	0.000	0.000	0.000	5,036.212	Not Full	No	-0.968	20.588
	VPF1_20A	5,054.500	0.000	0.000	0.000	5,035.094	Not Full	No	-0.946	19.406
	VPF1_21A	5,054.700	0.000	0.000	0.000	5,033.959	Not Full	No	-1.171	20.741
	VPF1_32A	5,080.000	15,999.834	63,999.336	0.000	5,066.641	Not Full	No	-1.309	13.359
	VPF1_58	5,067.590	18,499.673	73,998.692	0.000	5,054.339	Not Full	No	-0.611	13.251
	VPF1_7	5,085.770	0.000	0.000	0.000	5,075.251	Not Full	No	-0.999	10.519
	VPF1_718	5,092.100	64,215.336	241,046.633	0.000	5,079.111	Not Full	No	-0.989	12.989
	VPF1_8	5,082.650	0.000	0.000	0.000	5,071.905	Not Full	No	-0.855	10.745
	VPFE_10A	5,083.640	0.000	0.000	0.000	5,069.765	Not Full	No	-0.935	13.875
	VPFE_717	5,098.830	0.000	0.000	0.000	5,085.417	Not Full	No	-0.546	13.413
	VRF1D_702	5,136.180	0.000	0.000	0.000	5,123.220	Not Full	No	-0.594	12.960
	VRF1D_703	5,125.680	0.000	0.000	0.000	5,113.600	Not Full	No	-0.563	12.080
	VRF1D_704	5,119.340	0.000	0.000	0.000	5,107.262	Not Full	No	-0.561	12.078
	VRF1D_705	5,116.570	0.000	0.000	0.000	5,104.439	Not Full	No	-0.564	12.131
	VRF1D_707	5,113.290	0.000	0.000	0.000	5,101.323	Not Full	No	-0.550	11.967
	VRF1D_708	5,111.140	0.000	0.000	0.000	5,099.283	Not Full	No	-0.490	11.857
	VRF1D_709	5,108.490	0.000	0.000	0.000	5,098.101	Not Full	Yes	-0.423	10.389
	VRF1D_710	5,110.890	0.000	0.000	0.000	5,097.500	Not Full	No	-0.424	13.390
	VRF1D_711	5,115.620	0.000	0.000	0.000	5,096.620	Not Full	No	-0.434	19.000
	VRF1D_712	5,119.540	0.000	0.000	0.000	5,095.808	Not Full	No	-0.415	23.732
	VRF1D_713	5,116.910	0.000	0.000	0.000	5,095.057	Not Full	No	-0.416	21.853
	VRF1D_714	5,112.260	0.000	0.000	0.000	5,094.124	Not Full	No	-0.470	18.136
	VRF1D_715	5,110.280	0.000	0.000	0.000	5,092.860	Not Full	No	-0.554	17.420
	VRF1D_716	5,102.500	39,500.625	154,321.482	0.000	5,088.963	Not Full	No	-0.471	13.537
	VRF1G_186	5,145.220	0.000	0.000	0.000	5,136.100	Not Full	No	-0.553	9.120
	VRF1G_188	5,141.220	0.000	0.000	0.000	5,128.683	Not Full	No	-0.471	12.537
	VRF1G_204	5,146.770	0.000	0.000	0.000	5,127.037	Not Full	Yes	-0.623	19.733
	VRF1G_205	5,137.330	0.000	0.000	0.000	5,125.812	Not Full	No	-0.618	11.518
	VRGC1_698	5,157.760	161,700.419	524,492.316	0.000	5,137.678	Not Full	No	-0.515	20.082
	VRGC1_699	5,153.370	0.000	0.000	0.000	5,134.954	Not Full	No	-0.549	18.416
	VRGC2_206	5,137.400	0.000	0.000	0.000	5,124.561	Not Full	No	-0.739	12.839
	VRGC2_526	5,142.130	0.000	0.000	0.000	5,131.838	Not Full	No	-0.692	10.292
	VRGC2_527	5,138.210	72,750.213	267,564.495	0.000	5,127.221	Not Full	No	-0.689	10.989
	VRGC2_543	5,134.310	0.000	0.000	0.000	5,119.101	Not Full	Yes	-0.499	15.209
	VRGC2_544	5,125.790	0.000	0.000	0.000	5,117.244	Not Full	No	-0.546	8.546
	VRGC2_545	5,121.520	0.000	0.000	0.000	5,111.960	Not Full	Yes	-0.710	9.560

FULL BUILDOUT MANHOLE TABLE

	ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
<input type="checkbox"/>	VRGC2_580	5,120.220	0.000	0.000	0.000	5,110.429	Not Full	No	-0.741	9.791
<input type="checkbox"/>	VRGC2_581	5,123.750	0.000	0.000	0.000	5,108.921	Not Full	No	-0.779	14.829
<input type="checkbox"/>	VRGC2_582	5,116.400	69,000.454	255,913.995	0.000	5,107.193	Not Full	No	-0.787	9.207
<input type="checkbox"/>	VRGC2_583	5,116.440	0.000	0.000	0.000	5,104.437	Not Full	No	-1.163	12.003
<input type="checkbox"/>	VRGC4_365	5,191.820	163,750.978	530,102.646	0.000	5,179.383	Not Full	No	-0.410	12.437
<input type="checkbox"/>	VRGC4_366	5,189.850	0.000	0.000	0.000	5,178.019	Not Full	No	-0.464	11.831
<input type="checkbox"/>	VRGC4_389	5,191.830	0.000	0.000	0.000	5,176.807	Not Full	No	-0.456	15.023
<input type="checkbox"/>	VRGC4_415	5,189.660	0.000	0.000	0.000	5,175.396	Not Full	Yes	-0.398	14.264
<input type="checkbox"/>	VRGC4_416	5,192.130	0.000	0.000	0.000	5,173.517	Not Full	No	-0.446	18.613
<input type="checkbox"/>	VRGC4_417	5,183.930	0.000	0.000	0.000	5,170.992	Not Full	No	-0.622	12.938
<input type="checkbox"/>	VRGC4_418	5,153.010	23,474.871	93,899.485	0.000	5,147.090	Not Full	No	-0.453	5.920
<input type="checkbox"/>	VRGC4_419	5,150.600	0.000	0.000	0.000	5,143.511	Not Full	No	-0.522	7.089
<input type="checkbox"/>	VRGC4_420	5,150.350	0.000	0.000	0.000	5,140.059	Not Full	No	-0.525	10.291
<input type="checkbox"/>	VRGC6_183	5,175.770	158,274.660	515,119.440	0.000	5,146.523	Not Full	No	-0.450	29.247
<input type="checkbox"/>	VRGC6_184	5,155.730	0.000	0.000	0.000	5,145.132	Not Full	No	-0.531	10.598
<input type="checkbox"/>	VRGC6_185	5,152.370	0.000	0.000	0.000	5,140.335	Not Full	No	-0.569	12.035
<input type="checkbox"/>	WCR10	5,106.000	202,023.284	632,671.368	0.000	5,094.368	Not Full	No	-0.299	11.632
<input type="checkbox"/>	WCR3_100	5,023.010	0.000	0.000	0.000	5,015.616	Not Full	No	-0.914	7.394
<input type="checkbox"/>	WCR3_100A	5,026.060	0.000	0.000	0.000	5,017.485	Not Full	No	-0.785	8.575
<input type="checkbox"/>	WCR3_100B	5,027.500	0.000	0.000	0.000	5,019.276	Not Full	No	-0.784	8.224
<input type="checkbox"/>	WCR3_101	5,028.990	0.000	0.000	0.000	5,021.066	Not Full	No	-0.784	7.924
<input type="checkbox"/>	WCR3_102	5,029.520	0.000	0.000	0.000	5,022.209	Not Full	No	-0.791	7.311
<input type="checkbox"/>	WCR3_103	5,030.990	0.000	0.000	0.000	5,024.595	Not Full	No	-0.855	6.395
<input type="checkbox"/>	WCR3_11A	5,068.180	0.000	0.000	0.000	5,055.846	Not Full	Yes	-0.804	12.334
<input type="checkbox"/>	WCR3_184	5,094.790	39,958.545	155,995.637	0.000	5,082.689	Not Full	No	-0.645	12.101
<input type="checkbox"/>	WCR3_80	4,964.020	6,999.837	27,999.349	0.000	4,951.384	Not Full	No	-0.866	12.636
<input type="checkbox"/>	WCR3_81	4,964.350	0.000	0.000	0.000	4,953.420	Not Full	No	-0.910	10.930
<input type="checkbox"/>	WCR3_82	4,964.780	0.000	0.000	0.000	4,954.291	Not Full	No	-0.679	10.489
<input type="checkbox"/>	WCR3_83	4,967.250	0.000	0.000	0.000	4,957.200	Not Full	No	-0.680	10.050
<input type="checkbox"/>	WCR3_84	4,968.740	0.000	0.000	0.000	4,958.860	Not Full	No	-0.680	9.880
<input type="checkbox"/>	WCR3_85	4,974.200	0.000	0.000	0.000	4,962.825	Not Full	No	-0.715	11.375
<input type="checkbox"/>	WCR3_86	4,976.960	0.000	0.000	0.000	4,965.608	Not Full	No	-0.682	11.352
<input type="checkbox"/>	WCR3_86A	4,989.610	0.000	0.000	0.000	4,973.649	Not Full	No	-0.751	15.961
<input type="checkbox"/>	WCR3_86B	4,983.490	45,999.343	178,080.793	0.000	4,970.610	Not Full	No	-0.730	12.880
<input type="checkbox"/>	WCR3_86C	4,983.460	0.000	0.000	0.000	4,967.666	Not Full	No	-0.744	15.794
<input type="checkbox"/>	WCR3_87	4,990.560	0.000	0.000	0.000	4,976.171	Not Full	No	-0.749	14.389
<input type="checkbox"/>	WCR3_88	4,994.080	0.000	0.000	0.000	4,978.312	Not Full	No	-0.748	15.768
<input type="checkbox"/>	WCR3_89	4,988.470	0.000	0.000	0.000	4,981.101	Not Full	No	-0.749	7.369
<input type="checkbox"/>	WCR3_90	5,000.230	0.000	0.000	0.000	4,985.163	Not Full	No	-0.817	15.067
<input type="checkbox"/>	WCR3_91	4,999.540	0.000	0.000	0.000	4,987.008	Not Full	No	-0.702	12.532
<input type="checkbox"/>	WCR3_92	4,999.290	0.000	0.000	0.000	4,988.888	Not Full	No	-0.702	10.402

FULL BUILDOUT MANHOLE TABLE

	ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
<input type="checkbox"/>	WCR3_93	4,998.750	0.000	0.000	0.000	4,990.396	Not Full	No	-0.704	8.354
<input type="checkbox"/>	WCR3_94	5,007.400	0.000	0.000	0.000	4,995.439	Not Full	No	-0.851	11.961
<input type="checkbox"/>	WCR3_94A	5,010.850	56,354.379	215,938.805	0.000	4,997.647	Not Full	No	-0.693	13.203
<input type="checkbox"/>	WCR3_95	5,012.370	0.000	0.000	0.000	4,998.745	Not Full	No	-0.745	13.625
<input type="checkbox"/>	WCR3_96	5,013.040	0.000	0.000	0.000	5,001.551	Not Full	No	-0.729	11.489
<input type="checkbox"/>	WCR3_97	5,013.510	0.000	0.000	0.000	5,004.161	Not Full	No	-0.729	9.349
<input type="checkbox"/>	WCR3_98	5,018.000	105,750.680	366,904.080	0.000	5,008.354	Not Full	No	-0.796	9.646
<input type="checkbox"/>	WCR3_99	5,021.010	0.000	0.000	0.000	5,010.136	Not Full	No	-0.784	10.874
<input type="checkbox"/>	WCR3_H125	5,085.240	0.000	0.000	0.000	5,072.800	Not Full	No	-0.667	12.440
<input type="checkbox"/>	WCR3_H126	5,080.230	0.000	0.000	0.000	5,071.780	Not Full	No	-0.667	8.450
<input type="checkbox"/>	WCR3_H127	5,081.120	0.000	0.000	0.000	5,071.100	Not Full	No	-0.667	10.020
<input type="checkbox"/>	WCR3_H128	5,077.710	0.000	0.000	0.000	5,068.900	Not Full	No	-0.667	8.810
<input type="checkbox"/>	WCR3_H129	5,079.410	0.000	0.000	0.000	5,067.000	Not Full	No	-0.667	12.410
<input type="checkbox"/>	WCR3_H130	5,078.600	0.000	0.000	0.000	5,065.300	Not Full	No	-0.667	13.300
<input type="checkbox"/>	WCR3_H131	5,076.050	166,249.377	536,938.266	0.000	5,062.148	Not Full	No	-0.486	13.902
<input type="checkbox"/>	WCR3_H132	5,077.020	0.000	0.000	0.000	5,061.402	Not Full	No	-0.431	15.618
<input type="checkbox"/>	WCR3_H133	5,074.230	0.000	0.000	0.000	5,060.298	Not Full	No	-0.535	13.932
<input type="checkbox"/>	WCR3_H134	5,072.210	0.000	0.000	0.000	5,057.255	Not Full	No	-0.845	14.955
<input type="checkbox"/>	WCR3_H135	5,080.510	0.000	0.000	0.000	5,062.365	Not Full	No	-0.765	18.145
<input type="checkbox"/>	WCR3_H136	5,079.790	0.000	0.000	0.000	5,064.380	Not Full	No	-0.720	15.410
<input type="checkbox"/>	WCR3_H137	5,080.010	0.000	0.000	0.000	5,066.380	Not Full	No	-0.720	13.630
<input type="checkbox"/>	WCR3_H138	5,078.740	0.000	0.000	0.000	5,068.582	Not Full	No	-0.718	10.158
<input type="checkbox"/>	WCR3_H139	5,081.290	0.000	0.000	0.000	5,070.282	Not Full	No	-0.718	11.008
<input type="checkbox"/>	WCR3_H140	5,085.040	0.000	0.000	0.000	5,072.923	Not Full	No	-0.757	12.117
<input type="checkbox"/>	WCR3_H141	5,085.410	55,936.779	214,412.060	0.000	5,073.411	Not Full	Yes	-0.689	11.999
<input type="checkbox"/>	WCR3_H146	5,089.800	0.000	0.000	0.000	5,077.659	Not Full	No	-0.675	12.141
<input type="checkbox"/>	WCR3_H164	5,096.500	0.000	0.000	0.000	5,079.323	Not Full	No	-0.610	17.177
<input type="checkbox"/>	WCR3_H165	5,095.420	0.000	0.000	0.000	5,080.023	Not Full	No	-0.610	15.397
<input type="checkbox"/>	WCR3_H171	5,093.250	0.000	0.000	0.000	5,081.233	Not Full	Yes	-0.600	12.017
<input type="checkbox"/>	WCR3_H185	5,097.730	0.000	0.000	0.000	5,085.500	Not Full	No	-0.833	12.230
<input type="checkbox"/>	WCR3_H186	5,104.280	0.000	0.000	0.000	5,092.000	Not Full	No	-0.833	12.280
<input type="checkbox"/>	WCR3_H187	5,105.550	0.000	0.000	0.000	5,093.300	Not Full	No	-0.833	12.250
<input type="checkbox"/>	WCR3_H188	5,106.480	0.000	0.000	0.000	5,095.000	Not Full	No	-0.667	11.480
<input type="checkbox"/>	WCR3_H189	5,108.120	0.000	0.000	0.000	5,097.800	Not Full	No	-0.667	10.320
<input type="checkbox"/>	WCR3_H190	5,111.400	0.000	0.000	0.000	5,099.400	Not Full	No	-0.667	12.000
<input type="checkbox"/>	WCR3_H191	5,113.380	0.000	0.000	0.000	5,101.380	Not Full	No	-0.667	12.000
<input type="checkbox"/>	WCR3_H192	5,116.340	0.000	0.000	0.000	5,104.340	Not Full	No	-0.667	12.000
<input type="checkbox"/>	WCR3_H192A	5,120.060	0.000	0.000	0.000	5,108.060	Not Full	No	-0.667	12.000
<input type="checkbox"/>	WCR3_H193	5,123.260	0.000	0.000	0.000	5,111.260	Not Full	No	-0.667	12.000
<input type="checkbox"/>	WCR3_H194	5,127.280	0.000	0.000	0.000	5,115.290	Not Full	No	-0.667	11.990
<input type="checkbox"/>	WCR3_I1	5,069.640	0.000	0.000	0.000	5,056.522	Not Full	No	-0.838	13.118

FULL BUILDOUT MANHOLE TABLE

	ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
<input type="checkbox"/>	WCR3_I10	5,049.360	0.000	0.000	0.000	5,037.313	Not Full	No	-0.757	12.047
<input type="checkbox"/>	WCR3_I11	5,046.150	57,873.578	221,342.792	0.000	5,035.399	Not Full	No	-0.871	10.751
<input type="checkbox"/>	WCR3_I12	5,050.460	0.000	0.000	0.000	5,032.972	Not Full	Yes	-0.718	17.488
<input type="checkbox"/>	WCR3_I13	5,046.090	0.000	0.000	0.000	5,031.572	Not Full	No	-0.718	14.518
<input type="checkbox"/>	WCR3_I13A	5,041.820	0.000	0.000	0.000	5,030.099	Not Full	No	-0.841	11.721
<input type="checkbox"/>	WCR3_I14	5,040.390	0.000	0.000	0.000	5,028.792	Not Full	No	-0.848	11.598
<input type="checkbox"/>	WCR3_I15	5,039.430	0.000	0.000	0.000	5,027.046	Not Full	No	-0.784	12.384
<input type="checkbox"/>	WCR3_I2	5,066.970	0.000	0.000	0.000	5,053.872	Not Full	No	-0.828	13.098
<input type="checkbox"/>	WCR3_I4	5,065.060	0.000	0.000	0.000	5,051.373	Not Full	No	-0.927	13.687
<input type="checkbox"/>	WCR3_I5	5,059.210	0.000	0.000	0.000	5,046.831	Not Full	No	-0.829	12.379
<input type="checkbox"/>	WCR3_I6	5,056.080	62,625.576	236,107.250	0.000	5,045.094	Not Full	No	-0.786	10.986
<input type="checkbox"/>	WCR3_I7	5,053.870	0.000	0.000	0.000	5,043.084	Not Full	No	-0.786	10.786
<input type="checkbox"/>	WCR3_I8	5,051.680	0.000	0.000	0.000	5,040.913	Not Full	Yes	-0.757	10.767
<input type="checkbox"/>	WCR3_I9	5,048.680	0.000	0.000	0.000	5,039.113	Not Full	No	-0.757	9.567
<input type="checkbox"/>	WCR3-I_3	5,066.070	0.000	0.000	0.000	5,052.872	Not Full	No	-0.828	13.198
<input type="checkbox"/>	WCR5_1	5,170.000	221,854.956	684,293.211	0.000	5,157.514	Not Full	No	-0.319	12.486
<input type="checkbox"/>	WCR5_10	5,094.000	0.000	0.000	0.000	5,081.431	Not Full	No	-0.569	12.569
<input type="checkbox"/>	WCR5_11	5,092.990	0.000	0.000	0.000	5,078.321	Not Full	No	-0.569	14.669
<input type="checkbox"/>	WCR5_12	5,084.000	0.000	0.000	0.000	5,071.464	Not Full	No	-0.536	12.536
<input type="checkbox"/>	WCR5_13	5,080.000	0.000	0.000	0.000	5,067.517	Not Full	No	-0.483	12.483
<input type="checkbox"/>	WCR5_14	5,078.000	0.000	0.000	0.000	5,065.494	Not Full	No	-0.506	12.506
<input type="checkbox"/>	WCR5_15	5,076.000	0.000	0.000	0.000	5,063.448	Not Full	No	-0.552	12.552
<input type="checkbox"/>	WCR5_16	5,070.000	74,067.812	271,658.277	0.000	5,057.512	Not Full	No	-0.488	12.488
<input type="checkbox"/>	WCR5_17	5,066.000	0.000	0.000	0.000	5,053.531	Not Full	No	-0.469	12.469
<input type="checkbox"/>	WCR5_18	5,062.000	0.000	0.000	0.000	5,049.450	Not Full	No	-0.550	12.550
<input type="checkbox"/>	WCR5_19	5,058.000	0.000	0.000	0.000	5,045.503	Not Full	No	-0.497	12.497
<input type="checkbox"/>	WCR5_2	5,162.980	0.000	0.000	0.000	5,149.280	Not Full	No	-0.454	13.700
<input type="checkbox"/>	WCR5_20	5,048.000	0.000	0.000	0.000	5,035.610	Not Full	No	-0.390	12.390
<input type="checkbox"/>	WCR5_21	5,045.000	0.000	0.000	0.000	5,032.473	Not Full	No	-0.517	12.527
<input type="checkbox"/>	WCR5_22	5,029.000	7,325.277	29,301.109	0.000	5,016.790	Not Full	Yes	-0.460	12.210
<input type="checkbox"/>	WCR5_23	5,028.000	0.000	0.000	0.000	5,015.508	Not Full	No	-0.742	12.492
<input type="checkbox"/>	WCR5_24	5,022.000	24,495.831	97,983.323	0.000	5,009.586	Not Full	No	-0.664	12.414
<input type="checkbox"/>	WCR5_25	5,017.080	0.000	0.000	0.000	5,004.513	Not Full	No	-0.637	12.567
<input type="checkbox"/>	WCR5_26	5,018.000	0.000	0.000	0.000	5,002.383	Not Full	No	-0.637	15.617
<input type="checkbox"/>	WCR5_27	5,018.000	0.000	0.000	0.000	5,000.545	Not Full	No	-0.635	17.455
<input type="checkbox"/>	WCR5_28	5,016.000	0.000	0.000	0.000	4,999.154	Not Full	No	-0.796	16.846
<input type="checkbox"/>	WCR5_3	5,156.000	0.000	0.000	0.000	5,143.217	Not Full	No	-0.486	12.783
<input type="checkbox"/>	WCR5_4	5,138.000	255,202.464	769,807.041	0.000	5,125.648	Not Full	Yes	-0.252	12.352
<input type="checkbox"/>	WCR5_5	5,136.000	0.000	0.000	0.000	5,123.703	Not Full	No	-0.197	12.297
<input type="checkbox"/>	WCR5_6	5,138.000	0.000	0.000	0.000	5,121.153	Not Full	No	-0.197	16.847
<input type="checkbox"/>	WCR5_7	5,132.000	0.000	0.000	0.000	5,119.446	Not Full	No	-0.554	12.554

FULL BUILDOUT MANHOLE TABLE

	ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
<input type="checkbox"/>	WCR5_8	5,124.000	0.000	0.000	0.000	5,111.413	Not Full	No	-0.587	12.587
<input type="checkbox"/>	WCR5_9	5,112.000	0.000	0.000	0.000	5,099.410	Not Full	No	-0.590	12.590
<input type="checkbox"/>	WCR7_1	5,154.000	0.000	0.000	0.000	5,141.000	Not Full	No	-0.667	13.000
<input type="checkbox"/>	WCR7_10	5,062.000	0.000	0.000	0.000	5,049.334	Not Full	No	-0.333	12.666
<input type="checkbox"/>	WCR7_11	5,058.000	0.000	0.000	0.000	5,045.375	Not Full	Yes	-0.292	12.625
<input type="checkbox"/>	WCR7_12	5,055.990	133,904.110	447,543.083	0.000	5,043.401	Not Full	No	-0.432	12.589
<input type="checkbox"/>	WCR7_13	5,050.000	0.000	0.000	0.000	5,037.421	Not Full	No	-0.413	12.579
<input type="checkbox"/>	WCR7_14	5,044.000	0.000	0.000	0.000	5,031.447	Not Full	No	-0.387	12.553
<input type="checkbox"/>	WCR7_15	5,042.000	0.000	0.000	0.000	5,029.429	Not Full	No	-0.405	12.571
<input type="checkbox"/>	WCR7_16	5,038.000	0.000	0.000	0.000	5,025.368	Not Full	No	-0.365	12.632
<input type="checkbox"/>	WCR7_17	5,036.000	0.000	0.000	0.000	5,023.518	Not Full	Yes	-0.256	12.482
<input type="checkbox"/>	WCR7_18	5,034.990	213,754.960	663,208.919	0.000	5,021.557	Not Full	No	-0.276	13.433
<input type="checkbox"/>	WCR7_2	5,136.000	0.000	0.000	0.000	5,123.000	Not Full	No	-0.667	13.000
<input type="checkbox"/>	WCR7_3	5,120.000	0.000	0.000	0.000	5,107.000	Not Full	No	-0.667	13.000
<input type="checkbox"/>	WCR7_4	5,108.000	0.000	0.000	0.000	5,095.000	Not Full	No	-0.667	13.000
<input type="checkbox"/>	WCR7_5	5,102.000	0.000	0.000	0.000	5,089.000	Not Full	No	-0.667	13.000
<input type="checkbox"/>	WCR7_6	5,094.000	0.000	0.000	0.000	5,081.000	Not Full	No	-0.667	13.000
<input type="checkbox"/>	WCR7_7	5,090.000	103,770.681	361,078.922	0.000	5,077.262	Not Full	No	-0.405	12.738
<input type="checkbox"/>	WCR7_8	5,072.000	0.000	0.000	0.000	5,059.294	Not Full	No	-0.383	12.706
<input type="checkbox"/>	WCR7_9	5,068.000	0.000	0.000	0.000	5,055.286	Not Full	No	-0.380	12.714

FULL BUILDOUT PIPE TABLE

	ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (gpd)	Peakable Flow (gpd)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth	Critical Depth	Froude Number	Full Flow (gpd)	Backwater Adjustment	Adjusted Depth (ft)	Adjusted Velocity
	AIF1_119-ECF21_120	AIF1_119	ECF21_120	12.000	488.407	0.004	709,007.958	231,369.033	Free Surface	2.982	0.475	0.458	0.475	0.441	0.866	1,547,662.229	No	0.475	2.982
	ARF1_12-ARF1_4	ARF1_12	ARF1_4	8.000	154.018	0.004	225,620.011	59,250.218	Free Surface	2.239	0.458	0.430	0.305	0.274	0.815	525,053.946	No	0.305	2.239
	ARF1_16-ARF1_12	ARF1_16	ARF1_12	8.000	132.199	0.011	225,620.011	59,250.218	Free Surface	3.344	0.339	0.248	0.226	0.274	1.449	909,644.038	No	0.226	3.344
	ARF1_17-ARF1_16	ARF1_17	ARF1_16	8.000	314.508	0.009	225,620.011	59,250.218	Free Surface	3.111	0.358	0.274	0.239	0.274	1.308	822,988.236	No	0.239	3.111
	ARF1_28-ARF1_17	ARF1_28	ARF1_17	8.000	284.662	0.020	225,620.011	59,250.218	Free Surface	4.064	0.295	0.189	0.196	0.274	1.905	1,193,034.187	No	0.196	4.064
	ARF1_29-ARF1_28	ARF1_29	ARF1_28	8.000	66.881	0.012	225,620.011	59,250.218	Free Surface	3.437	0.333	0.239	0.222	0.274	1.507	945,043.898	No	0.222	3.437
	ARF1_2-FMF9_1	ARF1_2	FMF9_1	10.000	336.918	0.004	225,620.011	59,250.218	Free Surface	2.340	0.318	0.219	0.265	0.257	0.941	1,029,721.578	Yes	0.280	2.172
	ARF1_31-ARF1_29	ARF1_31	ARF1_29	8.000	345.854	0.009	225,620.011	59,250.218	Free Surface	3.035	0.364	0.284	0.243	0.274	1.263	795,342.077	No	0.243	3.035
	ARF1_32-ARF1_31	ARF1_32	ARF1_31	8.000	124.179	0.007	225,620.011	59,250.218	Free Surface	2.852	0.382	0.309	0.254	0.274	1.156	730,184.738	No	0.254	2.852
	ARF1_33-ARF1_32	ARF1_33	ARF1_32	8.000	224.073	0.010	225,620.011	59,250.218	Free Surface	3.138	0.356	0.271	0.237	0.274	1.324	832,905.398	No	0.237	3.138
	ARF1_34-ARF1_33	ARF1_34	ARF1_33	8.000	155.283	0.006	225,620.011	59,250.218	Free Surface	2.597	0.409	0.351	0.273	0.274	1.011	642,238.703	No	0.273	2.597
	ARF1_35-ARF1_34	ARF1_35	ARF1_34	8.000	103.489	0.005	225,620.011	59,250.218	Free Surface	2.475	0.424	0.375	0.283	0.274	0.943	601,337.528	No	0.283	2.475
	ARF1_36-ARF1_35	ARF1_36	ARF1_35	8.000	271.125	0.009	225,620.011	59,250.218	Free Surface	3.010	0.367	0.287	0.244	0.274	1.249	786,423.378	No	0.244	3.010
	ARF1_37-ARF1_36	ARF1_37	ARF1_36	8.000	113.306	0.006	225,620.011	59,250.218	Free Surface	2.710	0.396	0.331	0.264	0.274	1.075	680,924.666	No	0.264	2.710
	ARF1_3-ARF1_2	ARF1_3	ARF1_2	8.000	201.740	0.006	225,620.011	59,250.218	Free Surface	2.703	0.397	0.333	0.265	0.274	1.071	678,362.734	No	0.265	2.703
	ARF1_4-ARF1_3	ARF1_4	ARF1_3	8.000	122.407	0.015	225,620.011	59,250.218	Free Surface	3.697	0.315	0.216	0.210	0.274	1.669	1,045,721.845	No	0.210	3.697
	ARF2_1-TOE_2647	ARF2_1	TOE_2647	8.000	158.000	0.008	225,620.011	59,250.218	Free Surface	2.946	0.372	0.295	0.248	0.274	1.211	763,554.513	No	0.248	2.946
	ARF2_2-ARF2_1	ARF2_2	ARF2_1	8.000	151.286	0.006	225,620.011	59,250.218	Free Surface	2.695	0.398	0.334	0.265	0.274	1.066	675,771.581	No	0.265	2.695
	BFF1_61-BFF1_62	BFF1_61	BFF1_62	8.000	397.643	0.005	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	601,633.726	No	0.000	0.000
	BFF1_62-BFF1_63	BFF1_62	BFF1_63	8.000	345.405	0.005	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	600,374.865	Yes	0.069	0.000
	BFF1_63-TOE_2733	BFF1_63	TOE_2733	8.000	197.672	0.007	67,000.295	16,750.074	Free Surface	1.986	0.207	0.094	0.138	0.147	1.126	713,929.656	Yes	0.232	0.960
	CCF3_39E-CMF2_39D	CCF3_39E	CMF2_39D	10.000	161.407	0.004	263,680.995	71,500.293	Free Surface	2.339	0.357	0.272	0.297	0.278	0.882	968,552.158	No	0.297	2.339
	CCF3_60A-CCF3_39E	CCF3_60A	CCF3_39E	10.000	310.798	0.004	167,114.552	42,999.824	Free Surface	2.091	0.278	0.169	0.232	0.220	0.905	990,944.494	No	0.232	2.091
	CCF3_60-CCF3_60A	CCF3_60	CCF3_60A	10.000	135.757	0.040	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	3,061,985.380	Yes	0.006	0.000
	CCF4_4-1-TOE_2990	CCF4_41	TOE_2990	8.000	204.703	0.012	253,583.000	68,250.214	Free Surface	3.500	0.358	0.274	0.238	0.292	1.472	926,183.223	No	0.238	3.500
	CCF4_4-2-CCF4_41	CCF4_42	CCF4_41	8.000	274.850	0.030	125,071.153	31,499.988	Free Surface	3.990	0.197	0.085	0.131	0.202	2.324	1,478,629.209	No	0.131	3.990
	CCF4_4-3-CCF4_42	CCF4_43	CCF4_42	8.000	287.880	0.031	125,071.153	31,499.988	Free Surface	4.004	0.196	0.084	0.131	0.202	2.335	1,485,724.658	No	0.131	4.004
	CCF4_4-4-CCF4_43	CCF4_44	CCF4_43	8.000	307.760	0.018	125,071.153	31,499.988	Free Surface	3.337	0.223	0.109	0.149	0.202	1.819	1,148,410.503	No	0.149	3.337
	CCF4_4-5-CCF4_44	CCF4_45	CCF4_44	8.000	312.018	0.018	125,071.153	31,499.988	Free Surface	3.327	0.223	0.109	0.149	0.202	1.812	1,143,577.617	No	0.149	3.327
	CCF6_105-CCF6_106	CCF6_105	CCF6_106	12.000	300.958	0.015	709,007.958	231,369.033	Free Surface	4.966	0.325	0.228	0.325	0.441	1.802	3,112,332.973	No	0.325	4.966
	CCF6_106-TOE_2640	CCF6_106	TOE_2640	12.000	304.102	0.015	709,007.958	231,369.033	Free Surface	4.858	0.330	0.235	0.330	0.441	1.747	3,018,825.908	No	0.330	4.858
	CCF6_6-10-CCF6_69	CCF6_610	CCF6_69	8.000	294.243	0.018	253,583.000	68,250.214	Free Surface	4.097	0.319	0.220	0.212	0.292	1.839	1,152,419.655	No	0.212	4.097
	CCF6_6-11-CCF6_610	CCF6_611	CCF6_610	8.000	108.377	0.016	253,583.000	68,250.214	Free Surface	3.881	0.332	0.237	0.221	0.292	1.704	1,068,707.131	No	0.221	3.881
	CCF6_6-12-CCF6_611	CCF6_612	CCF6_611	8.000	139.412	0.017	253,583.000	68,250.214	Free Surface	4.008	0.324	0.227	0.216	0.292	1.783	1,117,689.788	No	0.216	4.008
	CCF6_6-13-CCF6_612	CCF6_613	CCF6_612	8.000	116.143	0.012	253,583.000	68,250.214	Free Surface	3.523	0.356	0.271	0.237	0.292	1.486	934,707.955	No	0.237	3.523
	CCF6_6-14-CCF6_613	CCF6_614	CCF6_613	8.000	93.593	0.010	253,583.000	68,250.214	Free Surface	3.314	0.372	0.295	0.248	0.292	1.363	859,168.773	No	0.248	3.314
	CCF6_6-15-CCF6_105	CCF6_615	CCF6_105	12.000	250.404	0.035	253,583.000	68,250.214	Free Surface	4.935	0.158	0.054	0.158	0.259	2.634	4,699,501.517	Yes	0.171	4.388
	CCF6_6-8-CCF6_615	CCF6_68	CCF6_615	8.000	122.248	0.018	253,583.000	68,250.214	Free Surface	4.040	0.322	0.224	0.215	0.292	1.803	1,130,246.077	No	0.215	4.040
	CCF6_6-9-CCF6_68	CCF6_69	CCF6_68	8.000	210.219	0.017	253,583.000	68,250.214	Free Surface	3.985	0.325	0.229	0.217	0.292	1.768	1,108,600.417	No	0.217	3.985
	CCF9_4-6-CCF4_45	CCF9_46	CCF4_45	8.000	295.271	0.005	125,071.153	31,499.988	Free Surface	2.147	0.305	0.202	0.203	0.202	0.988	618,590.475	No	0.203	2.147
	CFF1_17-TOE_2631	CFF1_17	TOE_2631	15.000	200.085	0.011	858,114.812	290,401.811	Free Surface	4.590	0.286	0.178	0.357	0.455	1.599	4,819,738.677	No	0.357	4.590
	CFF1_18-CFF1_17	CFF1_18	CFF1_17	15.000	192.033	0.012	858,114.812	290,401.811	Free Surface	4.651	0.283	0.175	0.354	0.455	1.628	4,908,843.591	No	0.354	4.651
	CFF1_19B1-CFF1_19	CFF1_19B1	CFF1_19	12.000	114.139	0.008	430,160.526	127,750.992	Free Surface	3.412	0.297	0.192	0.297	0.340	1.301	2,245,553.259	No	0.297	3.412
	CFF1_19B2-CFF1_19B1	CFF1_19B2	CFF1_19B1	12.000	135.089	0.007	430,160.526	127,750.992	Free Surface	3.174	0.313	0.212	0.313	0.340	1.176	2,030,162.628	No	0.313	3.174
	CFF1_19-CFF1_18	CFF1_19	CFF1_18	15.000	128.744	0.011	858,114.812	290,401.811	Free Surface	4.505	0.290	0.183	0.362	0.455	1.557	4,695,185.852	No	0.362	4.505
	CFF1_20-CFF1_19	CFF1_20	CFF1_19	12.000	259.752	0.011	527,092.609	162,650.819	Free Surface	4.037	0.304	0.201	0.304	0.378	1.518	2,619,928.491	No	0.304	4.037
	CFF1_21-CFF1_20	CFF1_21	CFF1_20	12.000	204.761	0.011	527,092.609	162,650.819	Free Surface	3.987	0.307	0.205	0.307	0.378	1.492	2,574,854.316	No	0.307	3.987
	CFF1_22A-CFF1_22B	CFF1_22A	CFF1_22B	10.000	369.202	0.014	263,680.995	71,500.293	Free Surface	3.669	0.258	0.145	0.215	0.278	1.655	1,814,859.742	No	0.215	3.669
	CFF1_22B-CFF1_22C	CFF1_22B	CFF1_22C	10.000	151.596	0.014	263,680.995	71,500.293	Free Surface	3.663	0.258	0.146	0.215	0.278	1.651	1,810,337.033	No	0.215	3.663
	CFF1_22C-CFF1_19B2	CFF1_22C	CFF1_19B2	10.000	289.466	0.013	430,160.526	127,750.992	Free Surface	4.144	0.336	0.243	0.280	0.359	1.616	1,771,578.311	No	0.280	4.144
	CFF1_22-CFF1_21	CFF1_22	CFF1_21	12.000	185.308	0.008	433,406.789	128,900.111	Free Surface	3.408	0.298	0.194	0.298	0.341	1.295	2,235,268.786	No	0.298	3.408
	CFF1_22D-CFF1_22C	CFF1_22D	CFF1_22C	10.000	133.147	0.014	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,832,565.336	No	0.000	0.000
	CFF1_22E-CFF1_22D	CFF1_22E	CFF1_22D	10.000	130.967	0.012	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,715,954.795	No	0.000	0.000
	CFF1_22F1-CFF1_22E	CFF1_22F1	CFF1_22E	10.000	217.475	0.005	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,128,189.005	No	0.000	0.000
	CFF1_23-CFF1_22	CFF1_23	CFF1_22	12.000	96.489	0.009	433,406.789	128,900.111	Free Surface	3.617	0.286	0.178	0.286	0.341	1.407	2,428,997.525	No	0.286	3.617
	CFF1_24-CFF1																		

FULL BUILDOUT PIPE TABLE

	ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (gpd)	Peakable Flow (gpd)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth	Critical Depth	Froude Number	Full Flow (gpd)	Backwater Adjustment	Adjusted Depth (ft)	Adjusted Velocity
	CFF1_28-CFF1_27	CFF1_28	CFF1_27	12.000	145.140	0.010	433,406.789	128,900.111	Free Surface	3.728	0.280	0.171	0.280	0.341	1.468	2,534,226.581	No	0.280	3.728
	CFF1_29-CFF1_28	CFF1_29	CFF1_28	12.000	150.879	0.024	433,406.789	128,900.111	Free Surface	5.013	0.227	0.113	0.227	0.341	2.210	3,841,988.751	No	0.227	5.013
	CFF1_30-CFF1_29	CFF1_30	CFF1_29	12.000	241.294	0.023	433,406.789	128,900.111	Free Surface	4.999	0.227	0.113	0.227	0.341	2.202	3,827,344.160	No	0.227	4.999
	CFF1_31-CFF1_30	CFF1_31	CFF1_30	12.000	118.736	0.010	433,406.789	128,900.111	Free Surface	3.740	0.279	0.170	0.279	0.341	1.475	2,545,706.000	No	0.279	3.740
	CHF1A_22-CHF1A_23	CHF1A_22	CHF1A_23	18.000	160.160	0.019	1,635,716.886	625,921.684	Free Surface	6.567	0.270	0.160	0.405	0.603	2.152	10,243,088.805	No	0.405	6.567
	CHF1A_23-CHF1A_24	CHF1A_23	CHF1A_24	18.000	434.970	0.023	1,635,716.886	625,921.684	Free Surface	7.021	0.258	0.145	0.386	0.603	2.360	11,248,363.236	No	0.386	7.021
	CHF1A_24-CHF1A_25	CHF1A_24	CHF1A_25	18.000	292.440	0.010	1,635,716.886	625,921.684	Free Surface	5.245	0.318	0.219	0.476	0.603	1.573	7,481,584.554	No	0.476	5.245
	CHF1A_25-CHF1A_A1A	CHF1A_25	CHF1A_A1A	18.000	123.397	0.007	1,635,716.886	625,921.684	Free Surface	4.614	0.349	0.261	0.523	0.603	1.313	6,262,836.979	Yes	0.524	4.599
	CHF1A_A1A-TOE_2586	CHF1A_A1A	TOE_2586	18.000	158.077	0.007	1,635,716.886	625,921.684	Free Surface	4.584	0.350	0.264	0.526	0.603	1.301	6,207,300.817	No	0.526	4.584
	CHF1A_C1-CHF1A_22	CHF1A_C1	CHF1A_22	18.000	101.324	0.058	1,473,345.957	552,671.792	Free Surface	9.409	0.195	0.083	0.292	0.571	3.672	17,749,713.432	Yes	0.324	8.126
	CHF1B_12-CHF1B_20	CHF1B_12	CHF1B_20	18.000	340.960	0.027	1,473,345.957	552,671.792	Free Surface	7.218	0.235	0.121	0.352	0.571	2.552	12,205,355.972	No	0.352	7.218
	CHF1B_14A-CHF1B_17	CHF1B_14A	CHF1B_17	18.000	122.228	0.017	1,421,643.166	529,672.121	Free Surface	6.063	0.259	0.147	0.388	0.560	2.033	9,689,713.841	No	0.388	6.063
	CHF1B_15A-CHF1B_14A	CHF1B_15A	CHF1B_14A	18.000	195.015	0.001	1,421,643.166	529,672.121	Free Surface	2.390	0.516	0.528	0.775	0.560	0.537	2,692,660.183	No	0.775	2.390
	CHF1B_15A-CHF3A_15B	CHF3A_15B	CHF1B_15A	18.000	180.259	0.003	1,421,643.166	529,672.121	Free Surface	3.090	0.423	0.374	0.635	0.560	0.786	3,805,405.449	No	0.635	3.090
	CHF1B_17-CHF1B_18	CHF1B_17	CHF1B_18	18.000	330.000	0.006	1,421,643.166	529,672.121	Free Surface	4.263	0.333	0.240	0.500	0.560	1.244	5,924,634.458	No	0.500	4.263
	CHF1B_18-CHF1B_12	CHF1B_18	CHF1B_12	18.000	400.000	0.033	1,473,345.957	552,671.792	Free Surface	7.707	0.224	0.110	0.336	0.571	2.793	13,386,173.134	No	0.336	7.707
	CHF1B_20-TOE_2585	CHF1B_20	TOE_2585	18.000	392.558	0.025	1,473,345.957	552,671.792	Free Surface	6.966	0.241	0.127	0.361	0.571	2.430	11,610,027.069	No	0.361	6.966
	CHF3A_15-CHF3A_15B	CHF3A_15	CHF3A_15B	18.000	180.044	0.003	1,421,643.166	529,672.121	Free Surface	3.115	0.421	0.370	0.631	0.560	0.795	3,847,134.378	No	0.631	3.115
	CHF3C_8-CHF3C_9	CHF3C_8	CHF3C_9	18.000	288.213	0.005	1,355,387.386	500,421.412	Free Surface	3.727	0.355	0.271	0.533	0.547	1.049	5,009,536.836	No	0.533	3.727
	CHF3C_9-TOE_2580	CHF3C_9	TOE_2580	18.000	339.237	0.004	1,355,387.386	500,421.412	Free Surface	3.542	0.369	0.290	0.553	0.547	0.976	4,669,246.805	No	0.553	3.542
	CMF2_22G-CFF1_22F1	CMF2_22G	CFF1_22F1	10.000	50.170	0.028	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	2,587,708.428	No	0.000	0.000
	CMF2_32-CFF1_22A	CMF2_32	CFF1_22A	10.000	151.294	0.009	263,680.995	71,500.293	Free Surface	3.131	0.288	0.181	0.240	0.278	1.328	1,452,948.058	No	0.240	3.131
	CMF2_33-CMF2_32	CMF2_33	CMF2_32	10.000	127.250	0.004	263,680.995	71,500.293	Free Surface	2.444	0.345	0.256	0.288	0.278	0.938	1,029,443.086	No	0.288	2.444
	CMF2_34-CMF2_33	CMF2_34	CMF2_33	10.000	31.066	0.004	263,680.995	71,500.293	Free Surface	2.385	0.351	0.265	0.293	0.278	0.906	995,000.873	No	0.293	2.385
	CMF2_35-CMF2_34	CMF2_35	CMF2_34	10.000	109.503	0.005	263,680.995	71,500.293	Free Surface	2.547	0.335	0.242	0.279	0.278	0.995	1,090,089.794	No	0.279	2.547
	CMF2_36-CMF2_35	CMF2_36	CMF2_35	10.000	215.403	0.013	263,680.995	71,500.293	Free Surface	3.567	0.263	0.151	0.219	0.278	1.592	1,744,243.654	No	0.219	3.567
	CMF2_37-CMF2_36	CMF2_37	CMF2_36	10.000	95.722	0.012	263,680.995	71,500.293	Free Surface	3.481	0.267	0.156	0.223	0.278	1.539	1,685,918.996	No	0.223	3.481
	CMF2_38-CMF2_37	CMF2_38	CMF2_37	10.000	36.580	0.010	263,680.995	71,500.293	Free Surface	3.242	0.281	0.173	0.234	0.278	1.394	1,525,893.681	No	0.234	3.242
	CMF2_39A-CMF2_39	CMF2_39A	CMF2_39	10.000	94.496	0.004	263,680.995	71,500.293	Free Surface	2.350	0.355	0.270	0.296	0.278	0.888	975,390.304	No	0.296	2.350
	CMF2_39B-CMF2_39A	CMF2_39B	CMF2_39A	10.000	156.532	0.019	263,680.995	71,500.293	Free Surface	4.061	0.240	0.126	0.200	0.278	1.905	2,093,583.694	No	0.200	4.061
	CMF2_39C-CMF2_39B	CMF2_39C	CMF2_39B	10.000	127.599	0.004	263,680.995	71,500.293	Free Surface	2.328	0.358	0.274	0.298	0.278	0.876	962,841.442	No	0.298	2.328
	CMF2_39-CMF2_38	CMF2_39	CMF2_38	10.000	65.228	0.009	263,680.995	71,500.293	Free Surface	3.146	0.287	0.180	0.240	0.278	1.337	1,462,862.125	No	0.240	3.146
	CMF2_39D-CMF2_39C	CMF2_39D	CMF2_39C	10.000	138.889	0.004	263,680.995	71,500.293	Free Surface	2.337	0.357	0.272	0.297	0.278	0.881	967,923.923	No	0.297	2.337
	COMPF1_10.1-TOE_2941	COMPF1_101	TOE_2941	12.000	179.590	0.005	438,630.099	130,749.071	Free Surface	2.880	0.340	0.249	0.340	0.343	1.018	1,760,761.108	No	0.340	2.880
	CSF1_C2A-TOE_2804	CSF1_C2A	TOE_2804	18.000	237.022	0.003	1,074,330.451	379,477.297	Free Surface	3.004	0.351	0.264	0.526	0.485	0.852	4,064,442.599	No	0.526	3.004
	CSF1_C2C-CSF1_C2A	CSF1_C2C	CSF1_C2A	18.000	14.583	0.010	1,074,330.451	379,477.297	Free Surface	4.538	0.261	0.149	0.391	0.485	1.517	7,225,549.849	No	0.391	4.538
	CSF1_C3A-CSF1_C3B	CSF1_C3A	CSF1_C3B	18.000	198.534	0.004	968,433.703	335,401.794	Free Surface	3.157	0.314	0.214	0.471	0.459	0.953	4,532,537.708	No	0.471	3.157
	CSF1_C3B-CSF1_C4B	CSF1_C3B	CSF1_C4B	18.000	414.773	0.003	968,433.703	335,401.794	Free Surface	2.910	0.333	0.239	0.499	0.459	0.850	4,048,353.344	No	0.499	2.910
	CSF1_C4B-CSF1_C5B	CSF1_C4B	CSF1_C5B	18.000	412.389	0.004	968,433.703	335,401.794	Free Surface	3.223	0.309	0.208	0.464	0.459	0.981	4,664,630.000	No	0.464	3.223
	CSF1_C5B-CSF1_C6C	CSF1_C5B	CSF1_C6C	18.000	180.189	0.005	968,433.703	335,401.794	Free Surface	3.418	0.296	0.191	0.444	0.459	1.065	5,064,930.575	No	0.444	3.418
	CSF1_C6C-CSF1_C2C	CSF1_C6C	CSF1_C2C	18.000	228.964	0.003	1,074,330.451	379,477.297	Free Surface	2.948	0.356	0.271	0.534	0.485	0.829	3,959,290.219	No	0.534	2.948
	ECF1_100-ECF1_102	ECF1_100	ECF1_102	30.000	179.634	0.003	4,114,322.790	1,876,718.173	Free Surface	3.917	0.366	0.285	0.914	0.835	0.840	14,412,685.329	Yes	0.925	3.853
	ECF1_102-ECF1_26	ECF1_102	ECF1_26	30.000	332.132	0.002	4,114,322.790	1,876,718.173	Free Surface	3.791	0.375	0.299	0.937	0.835	0.802	13,774,775.041	No	0.937	3.791
	ECF1_108-ECF1_28	ECF1_108	ECF1_28	30.000	298.395	0.010	4,312,326.170	1,984,718.133	Free Surface	6.507	0.262	0.150	0.655	0.856	1.679	28,680,223.705	No	0.655	6.507
	ECF1_118-ECF1_119	ECF1_118	ECF1_119	12.000	374.069	0.006	887,581.330	302,350.926	Free Surface	3.642	0.484	0.474	0.484	0.496	1.045	1,874,045.649	No	0.484	3.642
	ECF1_119-TOE_2594	ECF1_119	TOE_2594	12.000	347.709	0.005	887,581.330	302,350.926	Free Surface	3.496	0.500	0.500	0.500	0.496	0.983	1,774,422.234	No	0.500	3.496
	ECF1_2271-TOE_2655	ECF1_2271	TOE_2655	30.000	283.188	0.002	4,390,835.707	2,027,815.876	Free Surface	3.610	0.408	0.349	1.020	0.864	0.727	12,574,544.023	Yes	1.421	2.359
	ECF1_24-ECF1_44	ECF1_24	ECF1_44	30.000	449.061	0.001	4,005,404.493	1,817,718.516	Free Surface	2.781	0.464	0.439	1.160	0.824	0.518	9,115,619.517	No	1.160	2.781
	ECF1_25-ECF1_100	ECF1_25	ECF1_100	30.000	447.757	0.002	4,114,322.790	1,876,718.173	Free Surface	3.557	0.393	0.326	0.982	0.835	0.732	12,620,046.817	No	0.982	3.557
	ECF1_26-ECF1_27	ECF1_26	ECF1_27	30.000	362.156	0.004	4,114,322.790	1,876,718.173	Free Surface	4.629	0.324	0.227	0.809	0.835	1.064	18,157,932.414	No	0.809	4.629
	ECF1_27-ECF1_108	ECF1_27	ECF1_108	30.000	375.444	0.011	4,114,322.790	1,876,718.173	Free Surface	6.607	0.251	0.138	0.627	0.835	1.746	29,871,083.103	No	0.627	6.607
	ECF1_28-ECF1_29	ECF1_28	ECF1_29	30.000	303.392	0.010	4,312,326.170	1,984,718.133	Free Surface	6.575	0.260	0.148	0.650	0.856	1.704	29,107,942.782	No	0.650	6.575
	ECF1_29-ECF1_2271	ECF1_29	ECF1_2271	30.000	201.480	0.007	4,312,326.170	1,984,718.133	Free Surface	5.730	0.287	0.180	0.717	0.856	1.407	24,003,856.458	Yes	0.851	4.528
	ECF1_44-ECF1_97	ECF1_44	ECF1_97	30.000	343.305	0.001	4,114,322.790	1,876,718.173	Free Surface	2.818	0.469	0.447	1.172	0.835	0.522	9,194,468.376	No		

FULL BUILDOUT PIPE TABLE

	ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (gpd)	Peakable Flow (gpd)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth	Critical Depth	Froude Number	Full Flow (gpd)	Backwater Adjustment	Adjusted Depth (ft)	Adjusted Velocity
	ECF21_123-ECF21_124	ECF21_123	ECF21_124	12.000	249.288	0.005	1,220,064.330	441,529.754	Free Surface	3.855	0.598	0.668	0.598	0.586	0.961	1,826,926.891	No	0.598	3.855
	ECF21_124-ECF21_130	ECF21_124	ECF21_130	12.000	256.838	0.005	1,220,064.330	441,529.754	Free Surface	3.799	0.605	0.680	0.605	0.586	0.939	1,793,096.783	No	0.605	3.799
	ECF21_130-ECF1A2_131	ECF21_124	ECF1A2_131	12.000	316.851	0.004	1,220,064.330	441,529.754	Free Surface	3.474	0.653	0.762	0.653	0.586	0.810	1,602,102.791	No	0.653	3.474
	ECF21_131-ECF21_132	ECF21_131	ECF21_132	8.000	138.119	0.006	83,998.048	20,999.512	Free Surface	2.044	0.238	0.124	0.159	0.165	1.076	677,140.724	No	0.159	2.044
	ECF21_132-ECF21_133	ECF21_132	ECF21_133	8.000	299.894	0.006	83,998.048	20,999.512	Free Surface	1.960	0.245	0.132	0.163	0.165	1.016	638,711.151	No	0.163	1.960
	ECF21_133-ECF21_24	ECF21_133	ECF21_24	30.000	232.963	0.001	3,972,513.639	1,799,969.082	Free Surface	2.803	0.458	0.430	1.145	0.820	0.527	9,242,619.204	No	1.145	2.803
	ECF21_22A-ECF21_133	ECF21_22A	ECF21_133	24.000	347.152	0.010	3,933,550.710	1,778,969.570	Free Surface	6.409	0.342	0.252	0.684	0.873	1.596	15,624,736.073	Yes	0.840	4.863
	ECF21_23-ECF21_9	ECF21_23	ECF21_9	30.000	457.000	0.001	3,972,513.639	1,799,969.082	Free Surface	2.866	0.450	0.417	1.126	0.820	0.544	9,524,883.908	No	1.126	2.866
	ECF21_24-ECF21_23	ECF21_24	ECF21_23	30.000	155.077	0.001	3,972,513.639	1,799,969.082	Free Surface	2.805	0.458	0.429	1.145	0.820	0.527	9,249,524.645	No	1.145	2.805
	ECF21_9-ECF1_24	ECF21_9	ECF1_24	30.000	492.000	0.002	4,005,404.493	1,817,718.516	Free Surface	3.323	0.405	0.345	1.013	0.824	0.672	11,611,684.604	Yes	1.036	3.223
	ECF3_217-ECF3_218	ECF3_217	ECF3_218	18.000	469.731	0.002	1,417,627.590	527,889.401	Free Surface	2.965	0.436	0.394	0.654	0.559	0.741	3,600,918.864	No	0.654	2.965
	ECF3_218-TOE_2746	ECF3_218	TOE_2746	18.000	297.552	0.003	1,417,627.590	527,889.401	Free Surface	3.374	0.395	0.330	0.593	0.559	0.893	4,296,433.228	No	0.593	3.374
	ECF4_133-ECF4_134	ECF4_133	ECF4_134	12.000	398.994	0.006	1,271,844.765	463,904.465	Free Surface	3.940	0.608	0.685	0.608	0.598	0.971	1,857,266.033	Yes	0.940	2.569
	ECF4_134-ECF4_135	ECF4_134	ECF4_135	12.000	300.951	0.002	1,271,844.765	463,904.465	Pressurized	2.506	1.000	1.235	1.000	0.536	0.442	1,029,635.546	No	1.000	2.506
	ECF4_135-TOE_2662	ECF4_135	TOE_2662	15.000	88.785	0.002	1,580,829.504	600,990.974	Free Surface	2.843	0.661	0.774	0.826	0.626	0.588	2,041,934.441	No	0.826	2.843
	ECF5_204-ECF5_205	ECF5_204	ECF5_205	18.000	92.979	0.010	1,290,558.293	472,062.062	Free Surface	4.850	0.283	0.175	0.425	0.533	1.549	7,367,341.389	No	0.425	4.850
	ECF5_205-ECF5_208	ECF5_205	ECF5_208	18.000	243.553	0.010	1,290,558.293	472,062.062	Free Surface	4.851	0.283	0.175	0.425	0.533	1.549	7,369,094.379	Yes	0.425	4.847
	ECF5_208-ECF5_209	ECF5_208	ECF5_209	18.000	59.397	0.010	1,290,558.293	472,062.062	Free Surface	4.842	0.284	0.176	0.425	0.533	1.545	7,349,732.797	Yes	0.487	4.020
	ECF5_209-ECF5_213	ECF5_209	ECF5_213	18.000	204.830	0.003	1,290,558.293	472,062.062	Free Surface	3.040	0.398	0.335	0.598	0.533	0.801	3,855,901.750	No	0.598	3.040
	ECF5_213-ECF5_214	ECF5_213	ECF5_214	18.000	189.500	0.003	1,290,558.293	472,062.062	Free Surface	3.044	0.398	0.334	0.597	0.533	0.803	3,863,009.650	No	0.597	3.044
	ECF5_214-ECF5_215	ECF5_214	ECF5_215	18.000	373.761	0.004	1,417,627.590	527,889.401	Free Surface	3.424	0.391	0.323	0.587	0.559	0.912	4,382,464.774	No	0.587	3.424
	ECF5_215-ECF5_216	ECF5_215	ECF5_216	18.000	501.110	0.013	1,417,627.590	527,889.401	Free Surface	5.456	0.279	0.169	0.418	0.559	1.758	8,366,467.435	No	0.418	5.456
	ECF5_216-ECF3_217	ECF5_216	ECF3_217	18.000	465.922	0.013	1,417,627.590	527,889.401	Free Surface	5.463	0.278	0.169	0.417	0.559	1.762	8,382,439.078	Yes	0.511	4.133
	EHF1_2-EHF4_1	EHF1_2	EHF4_1	8.000	72.518	0.003	168,030.599	43,250.384	Free Surface	1.836	0.426	0.377	0.284	0.235	0.698	445,508.194	No	0.284	1.836
	EHF1_3-EHF1_2	EHF1_3	EHF1_2	8.000	209.536	0.005	168,030.599	43,250.384	Free Surface	2.243	0.367	0.287	0.244	0.235	0.930	586,049.477	No	0.244	2.243
	EHF1_4-EHF1_3	EHF1_4	EHF1_3	8.000	264.573	0.005	168,030.599	43,250.384	Free Surface	2.267	0.364	0.283	0.242	0.235	0.945	594,651.505	No	0.242	2.267
	EHF1_5-EHF1_4	EHF1_5	EHF1_4	8.000	72.008	0.021	168,030.599	43,250.384	Free Surface	3.804	0.250	0.137	0.167	0.235	1.949	1,224,387.430	No	0.167	3.804
	EHF1_6-EHF1_5	EHF1_6	EHF1_5	8.000	83.531	0.041	168,030.599	43,250.384	Free Surface	4.825	0.212	0.098	0.141	0.235	2.703	1,711,509.151	No	0.141	4.825
	EHF1_7-EHF1_6	EHF1_7	EHF1_6	8.000	219.245	0.035	168,030.599	43,250.384	Free Surface	4.558	0.220	0.106	0.147	0.235	2.500	1,579,448.808	No	0.147	4.558
	EHF1_8-EHF1_7	EHF1_8	EHF1_7	8.000	271.700	0.021	168,030.599	43,250.384	Free Surface	3.814	0.250	0.137	0.167	0.235	1.956	1,228,729.304	No	0.167	3.814
	EHF10_11-EHF9_10	EHF10_11	EHF9_10	8.000	256.644	0.014	141,523.147	35,999.986	Free Surface	3.114	0.255	0.143	0.170	0.215	1.578	990,677.374	No	0.170	3.114
	EHF10_12-EHF10_11	EHF10_12	EHF10_11	8.000	104.212	0.007	141,523.147	35,999.986	Free Surface	2.393	0.308	0.207	0.206	0.215	1.094	685,264.637	No	0.206	2.393
	EHF10_13-EHF10_12	EHF10_13	EHF10_12	8.000	148.178	0.013	141,523.147	35,999.986	Free Surface	3.058	0.259	0.147	0.172	0.215	1.539	965,656.503	No	0.172	3.058
	EHF10_14-EHF10_13	EHF10_14	EHF10_13	8.000	185.568	0.005	141,523.147	35,999.986	Free Surface	2.210	0.327	0.231	0.218	0.215	0.978	613,334.939	No	0.218	2.210
	EHF10_15-EHF10_14	EHF10_15	EHF10_14	8.000	179.349	0.005	141,523.147	35,999.986	Free Surface	2.195	0.328	0.233	0.219	0.215	0.969	607,587.024	No	0.219	2.195
	EHF10_16-EHF10_15	EHF10_16	EHF10_15	8.000	191.512	0.005	141,523.147	35,999.986	Free Surface	2.201	0.328	0.232	0.218	0.215	0.973	609,934.416	No	0.218	2.201
	EHF10_17-EHF10_16	EHF10_17	EHF10_16	8.000	99.824	0.004	141,523.147	35,999.986	Free Surface	2.044	0.346	0.257	0.231	0.215	0.876	550,262.793	No	0.231	2.044
	EHF10_18-EHF10_17	EHF10_18	EHF10_17	8.000	48.315	0.005	141,523.147	35,999.986	Free Surface	2.137	0.335	0.242	0.223	0.215	0.933	585,310.316	No	0.223	2.137
	EHF11_146-EHF11_147	EHF11_146	EHF11_147	8.000	149.540	0.005	141,523.147	35,999.986	Free Surface	2.177	0.330	0.236	0.220	0.215	0.958	600,780.117	No	0.220	2.177
	EHF11_147-EHF11_148	EHF11_147	EHF11_148	8.000	258.010	0.007	141,523.147	35,999.986	Free Surface	2.456	0.303	0.199	0.202	0.215	1.135	710,533.609	No	0.202	2.456
	EHF11_148-EHF9_19	EHF11_148	EHF9_19	8.000	162.000	0.008	141,523.147	35,999.986	Free Surface	2.584	0.292	0.186	0.194	0.215	1.218	762,854.562	No	0.194	2.584
	EHF3_10-EHF3_9	EHF3_10	EHF3_9	8.000	275.063	0.040	168,030.599	43,250.384	Free Surface	4.810	0.212	0.099	0.141	0.235	2.692	1,704,154.670	No	0.141	4.810
	EHF3_11-EHF3_10	EHF3_11	EHF3_10	8.000	280.011	0.036	168,030.599	43,250.384	Free Surface	4.607	0.219	0.105	0.146	0.235	2.537	1,603,157.020	No	0.146	4.607
	EHF3_12-EHF3_11	EHF3_12	EHF3_11	8.000	280.647	0.010	168,030.599	43,250.384	Free Surface	2.962	0.299	0.195	0.199	0.235	1.377	862,347.690	No	0.199	2.962
	EHF3_42-EHF3_12	EHF3_42	EHF3_12	8.000	143.448	0.005	168,030.599	43,250.384	Free Surface	2.261	0.364	0.284	0.243	0.235	0.941	592,605.092	No	0.243	2.261
	EHF3_9-EHF1_8	EHF3_9	EHF1_8	8.000	281.524	0.016	168,030.599	43,250.384	Free Surface	3.462	0.268	0.157	0.178	0.235	1.711	1,072,536.676	No	0.178	3.462
	EHF4_1-TOE_2592	EHF4_1	TOE_2592	8.000	38.176	0.025	168,030.599	43,250.384	Free Surface	4.053	0.239	0.126	0.160	0.235	2.127	1,338,228.266	No	0.160	4.053
	EHF7_1-EHF3_42	EHF7_1	EHF3_42	8.000	167.606	0.006	168,030.599	43,250.384	Free Surface	2.369	0.352	0.266	0.235	0.235	1.005	631,917.381	No	0.235	2.369
	EHF7_6-EHF7_1	EHF7_6	EHF7_1	8.000	274.487	0.005	168,030.599	43,250.384	Free Surface	2.338	0.355	0.271	0.237	0.235	0.987	620,813.832	No	0.237	2.338
	EHF9_10-EHF9_9	EHF9_10	EHF9_9	8.000	50.865	0.010	141,523.147	35,999.986	Free Surface	2.791	0.276	0.167	0.184	0.215	1.356	849,449.276	No	0.184	2.791
	EHF9_19-EHF10_18	EHF9_19	EHF10_18	8.000	262.829	0.006	141,523.147	35,999.986	Free Surface	2.297	0.318	0.219	0.212	0.215	1.033	647,250.479	No	0.212	2.297
	EHF9_1-GVF1_0	EHF9_1	GVF1_0	8.000	246.107	0.042	141,523.147	35,999.986	Free Surface	4.620	0.193	0.082	0.129	0.215	2.714	1,728,730.317	Yes	0.667	0.627
	EHF9_2-EHF9_1	EHF9_2	EHF9_1	8.000	361.561	0.048	141,523.147	35,999.986	Free Surface	4.855	0.187	0.076	0.125	0.215	2.905	1,854,576.605	No	0.125	4.855
	EHF9_3-EHF9_2	EHF9_3	EHF9_2	8.000	186.841	0.050	141,523.147	35,999.986	Free Surface	4.940	0.185	0.074	0.123	0.215	2.974	1,900,766.814	No	0.123	4.940
	EHF9_4-EHF9_3	EHF9_4	EHF9_3	8.000															

FULL BUILDOUT PIPE TABLE

	ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (gpd)	Peakable Flow (gpd)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth	Critical Depth	Froude Number	Full Flow (gpd)	Backwater Adjustment	Adjusted Depth (ft)	Adjusted Velocity
	EHF9_9-EHF9_8	EHF9_9	EHF9_8	8.000	126.463	0.013	141,523.147	35,999.986	Free Surface	3.025	0.261	0.149	0.174	0.215	1.516	951,220.660	No	0.174	3.025
	EP_1-EP_2	EP_1	EP_2	8.000	2,935.010	0.021	192,758.604	50,014.061	Free Surface	3.952	0.269	0.158	0.179	0.253	1.949	1,221,889.131	Yes	0.223	2.917
	EP_2-EP_3	EP_2	EP_3	8.000	1,331.650	0.014	595,213.240	187,950.169	Free Surface	4.681	0.550	0.586	0.367	0.455	1.515	1,015,980.200	No	0.367	4.681
	EP_3-I25_19	EP_3	I25_19	8.000	574.890	0.017	595,213.240	187,950.169	Free Surface	4.941	0.527	0.546	0.351	0.455	1.646	1,091,092.294	Yes	0.574	2.880
	EVF1_7-EVF2_6	EVF1_7	EVF2_6	10.000	216.280	0.003	181,739.717	47,000.142	Free Surface	1.842	0.323	0.226	0.269	0.230	0.734	803,361.857	No	0.269	1.842
	EVF1A1_51-LCFA_1	EVF1A1_51	LCFA_1	21.000	93.148	0.002	2,017,447.492	803,440.497	Free Surface	3.277	0.418	0.365	0.731	0.642	0.778	5,527,552.587	Yes	0.751	3.164
	EVF1A1_52-TOE_2790	EVF1A1_52	TOE_2790	21.000	200.800	0.001	2,202,611.950	891,970.224	Free Surface	2.290	0.594	0.661	1.039	0.672	0.434	3,330,501.695	No	1.039	2.290
	EVF1A2_1-EVF1A2_50	EVF1A2_1	EVF1A2_50	21.000	186.858	0.001	2,017,447.492	803,440.497	Free Surface	2.401	0.532	0.554	0.931	0.642	0.490	3,639,275.758	Yes	0.965	2.295
	EVF1A2_50-EVF1A1_51	EVF1A2_50	EVF1A1_51	21.000	494.431	0.001	2,017,447.492	803,440.497	Free Surface	2.198	0.571	0.622	1.000	0.642	0.428	3,242,109.775	No	1.000	2.198
	EVF2_1A-EVF2_8	EVF2_1A	EVF2_8	12.000	143.991	0.004	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,587,423.739	Yes	0.121	0.000
	EVF2_2-EVF2_8	EVF2_2	EVF2_8	12.000	94.559	0.003	181,739.717	47,000.142	Free Surface	1.956	0.239	0.125	0.239	0.218	0.839	1,455,021.234	No	0.239	1.956
	EVF2_3-EVF2_2	EVF2_3	EVF2_2	12.000	95.123	0.008	181,739.717	47,000.142	Free Surface	2.600	0.195	0.084	0.195	0.218	1.241	2,176,055.790	No	0.195	2.600
	EVF2_4A-KEF1_3	EVF2_4A	KEF1_3	12.000	276.789	0.001	234,939.516	62,249.737	Free Surface	1.538	0.341	0.250	0.341	0.249	0.543	938,867.719	No	0.341	1.538
	EVF2_4-EVF2_3	EVF2_4	EVF2_3	10.000	287.309	0.002	181,739.717	47,000.142	Free Surface	1.750	0.336	0.243	0.280	0.230	0.683	748,295.666	Yes	0.548	0.740
	EVF2_5A-EVF2_4	EVF2_5A	EVF2_4	10.000	177.162	0.003	181,739.717	47,000.142	Free Surface	1.904	0.316	0.216	0.263	0.230	0.769	841,291.145	No	0.263	1.904
	EVF2_5-EVF2_4A	EVF2_5	EVF2_4A	12.000	187.149	0.002	181,739.717	47,000.142	Free Surface	1.704	0.263	0.152	0.263	0.218	0.694	1,198,908.685	No	0.263	1.704
	EVF2_6A-EVF2_5	EVF2_6A	EVF2_5	12.000	46.711	0.004	181,739.717	47,000.142	Free Surface	2.007	0.234	0.120	0.234	0.218	0.869	1,508,900.022	No	0.234	2.007
	EVF2_6-EVF2_5A	EVF2_6	EVF2_5A	10.000	220.000	0.003	181,739.717	47,000.142	Free Surface	1.831	0.325	0.228	0.271	0.230	0.727	796,540.917	No	0.271	1.831
	EVF2_7-EVF2_6A	EVF2_7	EVF2_6A	12.000	46.512	0.002	181,739.717	47,000.142	Free Surface	1.664	0.268	0.157	0.268	0.218	0.671	1,159,743.687	No	0.268	1.664
	EVF2_8-EVF2_7	EVF2_8	EVF2_7	12.000	65.379	0.003	181,739.717	47,000.142	Free Surface	1.817	0.251	0.138	0.251	0.218	0.758	1,312,395.588	No	0.251	1.817
	EVF3_47-EVF3_48	EVF3_47	EVF3_48	21.000	497.618	0.001	2,017,447.492	803,440.497	Free Surface	2.344	0.542	0.572	0.949	0.642	0.473	3,526,083.241	No	0.949	2.344
	EVF3_48-EVF1A2_1	EVF3_48	EVF1A2_1	21.000	317.062	0.001	2,017,447.492	803,440.497	Free Surface	2.376	0.536	0.562	0.939	0.642	0.483	3,588,728.736	No	0.939	2.376
	EVF4_46-EVF3_47	EVF4_46	EVF3_47	21.000	505.900	0.001	2,017,447.492	803,440.497	Free Surface	2.365	0.538	0.566	0.942	0.642	0.479	3,566,357.378	Yes	0.945	2.354
	FMF4_4_4-TOE_2970	FMF4_4_4	TOE_2970	12.000	395.686	0.004	431,189.730	128,115.312	Free Surface	2.602	0.362	0.280	0.362	0.340	0.888	1,539,983.914	No	0.362	2.602
	FMF6_1-FMF6_4_6	FMF6_1	FMF6_4_6	8.000	115.487	0.068	290,449.406	80,115.810	Free Surface	6.777	0.245	0.132	0.163	0.313	3.512	2,207,498.480	No	0.163	6.777
	FMF6_2-FMF6_1	FMF6_2	FMF6_1	8.000	150.000	0.012	290,449.406	80,115.810	Free Surface	3.626	0.385	0.314	0.257	0.313	1.462	924,118.990	No	0.257	3.626
	FMF6_4_6-TOE_2973	FMF6_4_6	TOE_2973	12.000	142.272	0.004	431,189.730	128,115.312	Free Surface	2.705	0.352	0.265	0.352	0.340	0.938	1,624,287.031	No	0.352	2.705
	FMF7_3-FMF6_2	FMF7_3	FMF6_2	8.000	270.000	0.009	290,449.406	80,115.810	Free Surface	3.337	0.410	0.352	0.273	0.313	1.297	824,426.197	No	0.273	3.337
	FMF7_4-FMF7_3	FMF7_4	FMF7_3	8.000	430.000	0.009	290,449.406	80,115.810	Free Surface	3.293	0.414	0.359	0.276	0.313	1.273	809,976.682	No	0.276	3.293
	FMF7_5-FMF7_4	FMF7_5	FMF7_4	8.000	352.996	0.010	290,449.406	80,115.810	Free Surface	3.385	0.405	0.345	0.270	0.313	1.325	841,091.527	No	0.270	3.385
	FMF8_10-FMF8_9	FMF8_10	FMF8_9	8.000	91.023	0.005	290,449.406	80,115.810	Free Surface	2.536	0.506	0.510	0.337	0.313	0.867	569,349.967	No	0.337	2.536
	FMF8_11-FMF8_10	FMF8_11	FMF8_10	8.000	71.269	0.004	290,449.406	80,115.810	Free Surface	2.533	0.506	0.511	0.338	0.313	0.865	568,446.303	No	0.338	2.533
	FMF8_1-FMF8_6	FMF8_1	FMF8_6	8.000	90.764	0.066	290,449.406	80,115.810	Free Surface	6.727	0.246	0.133	0.164	0.313	3.476	2,184,769.012	No	0.164	6.727
	FMF8_2-FMF8_1	FMF8_2	FMF8_1	8.000	74.020	0.011	290,449.406	80,115.810	Free Surface	3.489	0.396	0.331	0.264	0.313	1.384	876,399.929	No	0.264	3.489
	FMF8_3-FMF8_2	FMF8_3	FMF8_2	8.000	130.706	0.012	290,449.406	80,115.810	Free Surface	3.591	0.388	0.319	0.259	0.313	1.442	911,811.000	No	0.259	3.591
	FMF8_4-FMF8_3	FMF8_4	FMF8_3	8.000	103.656	0.009	290,449.406	80,115.810	Free Surface	3.325	0.411	0.354	0.274	0.313	1.291	820,637.465	No	0.274	3.325
	FMF8_6-FMF7_5	FMF8_6	FMF7_5	8.000	160.553	0.017	290,449.406	80,115.810	Free Surface	4.164	0.348	0.260	0.232	0.313	1.780	1,118,294.473	No	0.232	4.164
	FMF8_8-FMF8_4	FMF8_8	FMF8_4	8.000	206.870	0.017	290,449.406	80,115.810	Free Surface	4.111	0.351	0.264	0.234	0.313	1.748	1,098,701.288	No	0.234	4.111
	FMF8_9-FMF8_8	FMF8_9	FMF8_8	8.000	200.000	0.005	290,449.406	80,115.810	Free Surface	2.647	0.489	0.482	0.326	0.313	0.924	602,849.761	No	0.326	2.647
	FMF9_10-FMF9_11	FMF9_10	FMF9_11	8.000	279.830	0.012	136,463.830	34,616.147	Free Surface	2.936	0.259	0.147	0.173	0.211	1.475	925,419.375	No	0.173	2.936
	FMF9_11-FMF9_12	FMF9_11	FMF9_12	8.000	252.130	0.007	136,463.830	34,616.147	Free Surface	2.470	0.294	0.188	0.196	0.211	1.160	726,669.964	No	0.196	2.470
	FMF9_12-FMF9_13	FMF9_12	FMF9_13	8.000	39.140	0.007	136,463.830	34,616.147	Free Surface	2.479	0.293	0.187	0.195	0.211	1.166	730,217.431	No	0.195	2.479
	FMF9_13-FMF9_3	FMF9_13	FMF9_3	8.000	54.240	0.008	136,463.830	34,616.147	Free Surface	2.581	0.284	0.177	0.190	0.211	1.234	772,698.419	No	0.190	2.581
	FMF9_15-FMF9_23	FMF9_15	FMF9_23	8.000	49.960	0.007	136,463.830	34,616.147	Free Surface	2.405	0.299	0.195	0.200	0.211	1.117	699,828.864	No	0.200	2.405
	FMF9_1-TOE_2710	FMF9_1	TOE_2710	10.000	71.040	0.008	671,005.422	216,750.158	Free Surface	3.831	0.497	0.496	0.415	0.453	1.184	1,353,395.699	Yes	0.447	3.485
	FMF9_22-FMF9_9	FMF9_22	FMF9_9	8.000	371.380	0.004	136,463.830	34,616.147	Free Surface	1.949	0.349	0.261	0.232	0.211	0.832	522,713.730	No	0.232	1.949
	FMF9_23-FMF9_35	FMF9_23	FMF9_35	8.000	44.080	0.007	136,463.830	34,616.147	Free Surface	2.461	0.294	0.189	0.196	0.211	1.154	722,799.434	No	0.196	2.461
	FMF9_35-FMF9_22	FMF9_35	FMF9_22	8.000	118.160	0.006	136,463.830	34,616.147	Free Surface	2.252	0.314	0.214	0.209	0.211	1.020	638,801.265	No	0.209	2.252
	FMF9_3-FMF8_11	FMF9_3	FMF8_11	8.000	240.000	0.005	136,463.830	34,616.147	Free Surface	2.146	0.325	0.228	0.217	0.211	0.953	597,353.575	No	0.217	2.146
	FMF9_9-FMF9_10	FMF9_9	FMF9_10	8.000	281.570	0.008	136,463.830	34,616.147	Free Surface	2.543	0.288	0.180	0.192	0.211	1.208	756,648.937	No	0.192	2.543
	GVF1_0-GVF1_36	GVF1_0	GVF1_36	8.000	204.942	0.055	210,984.781	54,999.339	Free Surface	5.743	0.220	0.106	0.146	0.265	3.154	1,992,874.077	No	0.146	5.743
	GVF1_100-GVF1_101	GVF1_100	GVF1_101	8.000	115.699	0.022	484,274.444	147,000.905	Free Surface	5.217	0.430	0.385	0.287	0.409	1.971	1,259,413.660	No	0.287	5.217
	GVF1_101-GVF1_102	GVF1_101	GVF1_102	8.000	335.002	0.013	484,274.444	147,000.905	Free Surface	4.227	0.506	0.510	0.337	0.409	1.444	948,739.808	No	0.337	4.227
	GVF1_102-GVF1_103	GVF1_102	GVF1_103	8.000	55.341	0.012	484,274.444	147,000.905	Free Surface	4.104	0.518	0.531	0.345	0.409	1.382	912,285.351	No	0.345	4.104
	GVF1_103-GVF1_104	GVF1_103	GVF1_104	8.000	52.260	0.008	484,274.444	147,000.905	Free Surface	3.637	0.571	0.622	0.381	0.409	1.147	778,406.631	No	0.381	3.637
	GVF1_104-GVF1_105	GVF1_104	GVF1_105	8.000	145.575	0.026	484,274.444	147,000.											

FULL BUILDOUT PIPE TABLE

	ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (gpd)	Peakable Flow (gpd)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth	Critical Depth	Froude Number	Full Flow (gpd)	Backwater Adjustment	Adjusted Depth (ft)	Adjusted Velocity
	GVF1_108-GVF1_109	GVF1_108	GVF1_109	8.000	99.765	0.020	484,274.444	147,000.905	Free Surface	5.075	0.439	0.399	0.293	0.409	1.894	1,213,079.383	No	0.293	5.075
	GVF1_109-GVF1_111	GVF1_109	GVF1_111	8.000	210.244	0.098	484,274.444	147,000.905	Free Surface	8.941	0.289	0.183	0.193	0.409	4.232	2,650,918.354	No	0.193	8.941
	GVF1_111-GVF1_113	GVF1_111	GVF1_113	8.000	223.339	0.017	484,274.444	147,000.905	Free Surface	4.690	0.467	0.444	0.311	0.409	1.686	1,090,421.306	No	0.311	4.690
	GVF1_113-GVF1_114	GVF1_113	GVF1_114	8.000	39.937	0.009	484,274.444	147,000.905	Free Surface	3.773	0.554	0.593	0.370	0.409	1.215	816,534.936	No	0.370	3.773
	GVF1_114-GVF1_115	GVF1_114	GVF1_115	8.000	72.568	0.010	484,274.444	147,000.905	Free Surface	3.893	0.540	0.569	0.360	0.409	1.275	850,846.058	No	0.360	3.893
	GVF1_115-GVF1_116	GVF1_115	GVF1_116	8.000	41.819	0.012	484,274.444	147,000.905	Free Surface	4.218	0.507	0.512	0.338	0.409	1.440	945,977.845	No	0.338	4.218
	GVF1_116-GVF1_117	GVF1_116	GVF1_117	12.000	40.907	0.003	735,107.740	241,600.229	Free Surface	2.807	0.513	0.521	0.513	0.449	0.777	1,410,003.553	No	0.513	2.807
	GVF1_117-ECF1_118	GVF1_117	ECF1_118	12.000	319.483	0.006	887,581.330	302,350.926	Free Surface	3.786	0.470	0.450	0.470	0.496	1.107	1,974,006.450	No	0.470	3.786
	GVF1_36-GVF1_37	GVF1_36	GVF1_37	8.000	227.819	0.009	210,984.781	54,999.339	Free Surface	2.999	0.350	0.263	0.233	0.265	1.278	802,756.597	No	0.233	2.999
	GVF1_37-GVF1_40	GVF1_37	GVF1_40	8.000	112.963	0.007	210,984.781	54,999.339	Free Surface	2.767	0.371	0.294	0.248	0.265	1.140	718,352.275	No	0.248	2.767
	GVF1_40-GVF1_41	GVF1_40	GVF1_41	8.000	79.896	0.009	210,984.781	54,999.339	Free Surface	2.960	0.353	0.268	0.236	0.265	1.254	788,361.419	No	0.236	2.960
	GVF1_41-GVF1_48	GVF1_41	GVF1_48	8.000	248.288	0.014	210,984.781	54,999.339	Free Surface	3.553	0.309	0.208	0.206	0.265	1.622	1,015,806.873	No	0.206	3.553
	GVF1_48-GVF1_50	GVF1_48	GVF1_50	8.000	155.948	0.014	210,984.781	54,999.339	Free Surface	3.538	0.310	0.209	0.207	0.265	1.612	1,009,879.222	No	0.207	3.538
	GVF1_50-GVF1_51	GVF1_50	GVF1_51	8.000	261.911	0.017	210,984.781	54,999.339	Free Surface	3.758	0.297	0.192	0.198	0.265	1.754	1,098,295.807	No	0.198	3.758
	GVF1_51-GVF1_52	GVF1_51	GVF1_52	10.000	141.579	0.004	334,096.791	94,599.324	Free Surface	2.524	0.402	0.339	0.335	0.315	0.889	984,481.446	No	0.335	2.524
	GVF1_52-GVF1_53	GVF1_52	GVF1_53	10.000	86.625	0.005	334,096.791	94,599.324	Free Surface	2.613	0.391	0.324	0.326	0.315	0.934	1,032,056.782	No	0.326	2.613
	GVF1_53-GVF1_56	GVF1_53	GVF1_56	10.000	84.916	0.006	334,096.791	94,599.324	Free Surface	2.942	0.358	0.275	0.299	0.315	1.106	1,215,168.899	No	0.299	2.942
	GVF1_56-GVF1_57	GVF1_56	GVF1_57	10.000	59.986	0.004	334,096.791	94,599.324	Free Surface	2.464	0.409	0.351	0.341	0.315	0.858	952,430.183	No	0.341	2.464
	GVF1_57-GVF1_58	GVF1_57	GVF1_58	10.000	135.171	0.004	334,096.791	94,599.324	Free Surface	2.467	0.409	0.350	0.340	0.315	0.860	954,010.335	No	0.340	2.467
	GVF1_58-GVF1_59	GVF1_58	GVF1_59	10.000	137.845	0.006	334,096.791	94,599.324	Free Surface	2.813	0.370	0.293	0.309	0.315	1.037	1,142,103.592	No	0.309	2.813
	GVF1_59-GVF1_60	GVF1_59	GVF1_60	10.000	183.929	0.005	334,096.791	94,599.324	Free Surface	2.682	0.384	0.312	0.320	0.315	0.969	1,069,948.622	No	0.320	2.682
	GVF1_60-GVF1_61	GVF1_60	GVF1_61	12.000	184.669	0.003	334,096.791	94,599.324	Free Surface	2.100	0.351	0.265	0.351	0.298	0.729	1,261,822.207	No	0.351	2.100
	GVF1_61-GVF1_78	GVF1_61	GVF1_78	12.000	63.774	0.005	334,096.791	94,599.324	Free Surface	2.619	0.299	0.195	0.299	0.298	0.994	1,715,481.944	No	0.299	2.619
	GVF1_78-GVF1_80	GVF1_78	GVF1_80	12.000	209.783	0.002	334,096.791	94,599.324	Free Surface	1.941	0.372	0.295	0.372	0.298	0.652	1,132,388.242	No	0.372	1.941
	GVF1_80-GVF1_90	GVF1_80	GVF1_90	12.000	224.665	0.002	334,096.791	94,599.324	Free Surface	1.971	0.368	0.289	0.368	0.298	0.666	1,156,110.201	No	0.368	1.971
	GVF1_90-GVF1_91	GVF1_90	GVF1_91	12.000	52.638	0.002	334,096.791	94,599.324	Free Surface	2.077	0.354	0.269	0.354	0.298	0.717	1,242,996.882	No	0.354	2.077
	GVF1_91-GVF1_116	GVF1_91	GVF1_116	12.000	200.994	0.018	334,096.791	94,599.324	Free Surface	4.198	0.214	0.100	0.214	0.298	1.909	3,328,739.672	No	0.214	4.198
	GVF1_95-GVF1_96	GVF1_95	GVF1_96	8.000	76.100	0.018	484,274.444	147,000.905	Free Surface	4.868	0.454	0.422	0.302	0.409	1.781	1,146,508.437	No	0.302	4.868
	GVF1_96-GVF1_97	GVF1_96	GVF1_97	8.000	154.304	0.030	484,274.444	147,000.905	Free Surface	5.850	0.395	0.329	0.263	0.409	2.326	1,472,658.535	No	0.263	5.850
	GVF1_97-GVF1_98	GVF1_97	GVF1_98	8.000	114.319	0.033	484,274.444	147,000.905	Free Surface	6.016	0.387	0.316	0.258	0.409	2.421	1,530,300.191	No	0.258	6.016
	GVF1_98-GVF1_99	GVF1_98	GVF1_99	8.000	92.578	0.048	484,274.444	147,000.905	Free Surface	6.913	0.349	0.261	0.233	0.409	2.950	1,853,624.894	No	0.233	6.913
	GVF1_99-GVF1_100	GVF1_99	GVF1_100	8.000	81.192	0.048	484,274.444	147,000.905	Free Surface	6.903	0.349	0.262	0.233	0.409	2.944	1,849,699.823	No	0.233	6.903
	HWY52_10-HWY52_11	HWY52_10	HWY52_11	24.000	846.399	0.004	7,746,233.748	3,985,945.859	Free Surface	5.369	0.669	0.787	1.337	1.244	0.869	9,841,403.736	No	1.337	5.369
	HWY52_11-HWY52_12	HWY52_11	HWY52_12	24.000	1,011.369	0.004	7,938,880.091	4,104,231.735	Free Surface	5.402	0.680	0.805	1.359	1.260	0.863	9,862,350.656	Yes	1.559	4.676
	HWY52_12-TOE_2904	HWY52_12	TOE_2904	36.000	2,039.210	0.001	7,938,880.091	4,104,231.735	Free Surface	2.672	0.619	0.705	1.858	1.113	0.375	11,264,072.713	Yes	2.061	2.373
	HWY52_1-HWY52_2	HWY52_1	HWY52_2	24.000	1,163.227	0.004	5,652,682.822	2,739,246.169	Free Surface	5.050	0.540	0.569	1.081	1.055	0.955	9,932,906.547	No	1.081	5.050
	HWY52_2-HWY52_3	HWY52_2	HWY52_3	24.000	395.061	0.005	5,652,682.822	2,739,246.169	Free Surface	5.524	0.503	0.505	1.006	1.055	1.094	11,186,622.998	No	1.006	5.524
	HWY52_3-HWY52_4	HWY52_3	HWY52_4	24.000	1,124.165	0.005	5,652,682.822	2,739,246.169	Free Surface	5.605	0.497	0.496	0.995	1.055	1.118	11,407,795.711	No	0.995	5.605
	HWY52_4-HWY52_5	HWY52_4	HWY52_5	24.000	2,511.550	0.004	5,652,682.822	2,739,246.169	Free Surface	5.057	0.540	0.568	1.079	1.055	0.957	9,951,084.187	No	1.079	5.057
	HWY52_5-HWY52_6	HWY52_5	HWY52_6	24.000	331.960	0.030	7,470,299.242	3,817,496.163	Free Surface	11.478	0.357	0.273	0.714	1.220	2.790	27,357,606.246	Yes	0.911	8.294
	HWY52_6-HWY52_7	HWY52_6	HWY52_7	24.000	1,494.240	0.005	7,470,299.242	3,817,496.163	Free Surface	5.824	0.604	0.679	1.208	1.220	1.019	11,001,508.941	No	1.208	5.824
	HWY52_7-HWY52_8	HWY52_7	HWY52_8	24.000	982.740	0.005	7,470,299.242	3,817,496.163	Free Surface	5.826	0.604	0.679	1.208	1.220	1.020	11,006,634.371	No	1.208	5.826
	HWY52_8-HWY52_9	HWY52_8	HWY52_9	24.000	1,745.531	0.012	7,723,102.658	3,971,779.144	Free Surface	8.281	0.468	0.446	0.936	1.242	1.716	17,307,674.328	Yes	1.093	6.801
	HWY52_9-HWY52_10	HWY52_9	HWY52_10	24.000	691.522	0.004	7,723,102.658	3,971,779.144	Free Surface	5.295	0.675	0.798	1.350	1.242	0.850	9,682,028.669	No	1.350	5.295
	I25_10-I25_11	I25_10	I25_11	18.000	688.030	0.001	1,886,395.317	741,710.601	Free Surface	2.452	0.638	0.736	0.957	0.649	0.476	2,561,321.452	No	0.957	2.452
	I25_11-I25_12	I25_11	I25_12	18.000	964.920	0.001	1,886,395.317	741,710.601	Free Surface	2.522	0.623	0.711	0.934	0.649	0.498	2,654,227.110	No	0.934	2.522
	I25_12-I25_13	I25_12	I25_13	18.000	199.510	0.001	1,886,395.317	741,710.601	Free Surface	2.449	0.639	0.738	0.958	0.649	0.475	2,557,714.201	No	0.958	2.449
	I25_13-I25_14	I25_13	I25_14	18.000	265.210	0.001	1,886,395.317	741,710.601	Free Surface	2.421	0.645	0.748	0.968	0.649	0.466	2,521,242.547	Yes	1.003	2.325
	I25_14-I25_15	I25_14	I25_15	18.000	250.010	0.001	2,359,200.059	967,976.276	Free Surface	2.539	0.758	0.924	1.137	0.730	0.423	2,554,527.990	No	1.137	2.539
	I25_15-I25_16	I25_15	I25_16	18.000	1,021.150	0.001	2,359,200.059	967,976.276	Free Surface	2.543	0.757	0.922	1.136	0.730	0.424	2,559,390.262	No	1.136	2.543
	I25_16-I25_17	I25_16	I25_17	18.000	1,355.770	0.001	2,359,200.059	967,976.276	Free Surface	2.534	0.760	0.925	1.140	0.730	0.421	2,549,137.288	No	1.140	2.534
	I25_17-I25_18	I25_17	I25_18	18.000	1,210.030	0.028	2,691,908.224	1,132,584.054	Free Surface	8.640	0.317	0.218	0.476	0.782	2.591	12,328,705.003	No	0.476	8.640
	I25_18-I25_19	I25_18	I25_19	18.000	615.110	0.023	2,691,908.224	1,132,584.054	Free Surface	8.085	0.333	0.239	0.500	0.782	2.361	11,243,987.478	Yes	0.649	5.691
	I25_19-I25_20	I25_19	I25_20	18.000	350.670	0.005	3,311,588.041	1,449,385.374	Free Surface	4.644	0.598	0.669	0.897	0.871	0.945	4,950,031.529	No	0.897	4.644
	I25_1-I25_2	I25_1	I25_2	8.000	2,														

FULL BUILDOUT PIPE TABLE

	ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (gpd)	Peakable Flow (gpd)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth	Critical Depth	Froude Number	Full Flow (gpd)	Backwater Adjustment	Adjusted Depth (ft)	Adjusted Velocity
	I25_24-I25_25	I25_24	I25_25	24.000	898.605	0.001	3,952,736.065	1,789,301.566	Free Surface	2.939	0.629	0.721	1.258	0.875	0.499	5,480,374.998	No	1.258	2.939
	I25_25-I25_26	I25_25	I25_26	24.000	876.779	0.001	3,952,736.065	1,789,301.566	Free Surface	2.945	0.628	0.719	1.256	0.875	0.501	5,496,072.039	No	1.256	2.945
	I25_26-I25_27	I25_26	I25_27	24.000	1,011.620	0.003	4,216,173.029	1,932,146.632	Free Surface	4.290	0.487	0.479	0.975	0.905	0.867	8,805,912.290	Yes	1.005	4.128
	I25_27-I25_28	I25_27	I25_28	24.000	817.040	0.002	4,216,173.029	1,932,146.632	Free Surface	3.547	0.567	0.615	1.135	0.905	0.649	6,850,195.904	No	1.135	3.547
	I25_28-I25_29	I25_28	I25_29	24.000	690.810	0.001	4,216,173.029	1,932,146.632	Free Surface	3.218	0.615	0.698	1.230	0.905	0.556	6,042,595.868	No	1.230	3.218
	I25_29-I25_30	I25_29	I25_30	24.000	2,626.620	0.007	4,479,073.025	2,076,414.418	Free Surface	5.937	0.398	0.335	0.797	0.934	1.355	13,386,284.582	Yes	0.998	4.423
	I25_2-I25_3	I25_2	I25_3	8.000	354.910	0.025	858,146.771	290,414.771	Free Surface	6.341	0.579	0.635	0.386	0.544	1.982	1,350,907.908	Yes	0.430	5.572
	I25_30-I25_31	I25_30	I25_31	24.000	1,812.250	0.002	4,691,727.019	2,194,299.974	Free Surface	3.361	0.650	0.756	1.299	0.957	0.557	6,209,171.960	No	1.299	3.361
	I25_31-I25_32	I25_31	I25_32	24.000	395.150	0.002	4,691,727.019	2,194,299.974	Free Surface	3.374	0.647	0.752	1.295	0.957	0.560	6,240,031.494	No	1.295	3.374
	I25_32-I25_33	I25_32	I25_33	24.000	346.170	0.002	4,691,727.019	2,194,299.974	Free Surface	3.363	0.649	0.755	1.298	0.957	0.557	6,214,355.271	No	1.298	3.363
	I25_33-I25_34	I25_33	I25_34	24.000	1,017.760	0.002	4,691,727.019	2,194,299.974	Free Surface	3.365	0.649	0.755	1.298	0.957	0.558	6,217,881.876	No	1.298	3.365
	I25_34-I25_35	I25_34	I25_35	24.000	1,013.810	0.002	4,691,727.019	2,194,299.974	Free Surface	3.362	0.649	0.756	1.299	0.957	0.557	6,209,983.139	No	1.299	3.362
	I25_35-I25_36	I25_35	I25_36	24.000	1,644.530	0.002	4,691,727.019	2,194,299.974	Free Surface	3.984	0.563	0.608	1.126	0.957	0.733	7,714,323.017	Yes	1.143	3.912
	I25_36-HWY52_1	I25_36	HWY52_1	24.000	1,105.630	0.002	5,490,131.174	2,645,729.724	Free Surface	4.075	0.630	0.723	1.260	1.039	0.691	7,597,281.363	No	1.260	4.075
	I25_3-I25_4	I25_3	I25_4	12.000	302.263	0.003	858,146.771	290,414.771	Free Surface	2.841	0.575	0.629	0.575	0.487	0.728	1,364,818.812	No	0.575	2.841
	I25_4-I25_5	I25_4	I25_5	12.000	198.800	0.010	1,237,624.670	449,107.031	Free Surface	4.832	0.504	0.506	0.504	0.590	1.353	2,445,202.202	No	0.504	4.832
	I25_5-I25_6	I25_5	I25_6	12.000	307.689	0.009	1,237,624.670	449,107.031	Free Surface	4.807	0.506	0.510	0.506	0.590	1.342	2,428,226.428	No	0.506	4.807
	I25_6-I25_7	I25_6	I25_7	12.000	370.130	0.009	1,237,624.670	449,107.031	Free Surface	4.658	0.518	0.531	0.518	0.590	1.280	2,329,279.156	No	0.518	4.658
	I25_7-I25_8	I25_7	I25_8	12.000	300.680	0.009	1,237,624.670	449,107.031	Free Surface	4.647	0.519	0.533	0.519	0.590	1.275	2,321,366.854	Yes	0.559	4.238
	I25_8-I25_9	I25_8	I25_9	15.000	958.300	0.002	1,237,624.670	449,107.031	Free Surface	2.712	0.559	0.602	0.699	0.551	0.634	2,056,167.396	No	0.699	2.712
	I25_9-I25_10	I25_9	I25_10	15.000	964.580	0.009	1,886,395.317	741,710.601	Free Surface	5.173	0.468	0.447	0.585	0.687	1.356	4,221,921.089	Yes	0.676	4.307
	KEF1_10-KEF1_1	KEF1_10	KEF1_1	12.000	425.192	0.002	24,001.911	6,000.478	Free Surface	0.833	0.106	0.024	0.106	0.078	0.545	1,014,852.200	Yes	0.261	0.227
	KEF1_1A-KEF1_2A	KEF1_1A	KEF1_2A	12.000	304.802	0.002	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,118,928.838	No	0.000	0.000
	KEF1_1-KEF1_80	KEF1_1	KEF1_80	12.000	111.462	0.002	429,452.694	127,500.432	Free Surface	2.147	0.416	0.363	0.416	0.340	0.675	1,184,548.524	No	0.416	2.147
	KEF1_2A-KEF1_3A	KEF1_2A	KEF1_3A	12.000	190.988	0.002	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,158,870.443	No	0.000	0.000
	KEF1_2-KEF1_1	KEF1_2	KEF1_1	12.000	128.808	0.002	412,501.345	121,499.954	Free Surface	1.953	0.434	0.390	0.434	0.333	0.600	1,056,910.315	No	0.434	1.953
	KEF1_3A-KEF1_4	KEF1_3A	KEF1_4	12.000	265.620	0.002	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,138,143.873	No	0.000	0.000
	KEF1_3-KEF1_2	KEF1_3	KEF1_2	12.000	39.537	0.003	412,501.345	121,499.954	Free Surface	2.442	0.367	0.288	0.367	0.333	0.826	1,434,221.176	Yes	0.400	2.172
	KEF1_4-KEF1_5	KEF1_4	KEF1_5	12.000	97.079	0.002	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,046,665.307	No	0.000	0.000
	KEF1_5-KEF1_6	KEF1_5	KEF1_6	12.000	126.404	0.002	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,134,362.985	No	0.000	0.000
	KEF1_6-KEF1_7	KEF1_6	KEF1_7	12.000	300.782	0.003	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,281,839.995	No	0.000	0.000
	KEF1_7-KEF1_8	KEF1_7	KEF1_8	12.000	129.689	0.001	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	850,629.580	No	0.000	0.000
	KEF1_80-KEF1_81	KEF1_80	KEF1_81	12.000	67.889	0.003	429,452.694	127,500.432	Free Surface	2.235	0.404	0.343	0.404	0.340	0.716	1,251,614.374	No	0.404	2.235
	KEF1_81-KEF1_82	KEF1_81	KEF1_82	12.000	250.893	0.002	429,452.694	127,500.432	Free Surface	2.198	0.409	0.351	0.409	0.340	0.699	1,223,144.117	No	0.409	2.198
	KEF1_82-KEF1_83	KEF1_82	KEF1_83	12.000	254.412	0.002	429,452.694	127,500.432	Free Surface	2.015	0.437	0.395	0.437	0.340	0.616	1,086,419.681	No	0.437	2.015
	KEF1_83-TOE_2859	KEF1_83	TOE_2859	12.000	374.323	0.006	429,452.694	127,500.432	Free Surface	3.151	0.314	0.214	0.314	0.340	1.165	2,011,085.908	No	0.314	3.151
	KEF1_8-KEF1_9	KEF1_8	KEF1_9	12.000	250.713	0.002	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,203,016.022	No	0.000	0.000
	KEF1_9-KEF1_10	KEF1_9	KEF1_10	12.000	123.304	0.003	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,388,512.128	Yes	0.023	0.000
	KFF1_10-KFF1_9	KFF1_10	KFF1_9	12.000	223.577	0.002	225,620.011	59,250.218	Free Surface	1.563	0.327	0.231	0.327	0.244	0.565	975,375.446	No	0.327	1.563
	KFF1_11-KFF1_10	KFF1_11	KFF1_10	12.000	287.986	0.001	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	896,523.512	Yes	0.129	0.000
	KFF1_14-KFF1_11	KFF1_14	KFF1_11	12.000	334.039	0.001	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	957,955.485	No	0.000	0.000
	KFF1_15-KFF1_14	KFF1_15	KFF1_14	12.000	345.637	0.002	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,084,657.167	No	0.000	0.000
	KFF1_16-KFF1_15	KFF1_16	KFF1_15	12.000	234.800	0.002	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,243,115.538	No	0.000	0.000
	KFF1_9-KEF1_3	KFF1_9	KEF1_3	12.000	283.847	0.002	225,620.011	59,250.218	Free Surface	1.694	0.309	0.207	0.309	0.244	0.632	1,090,939.541	No	0.309	1.694
	LCFA_10-LCFA_9	LCFA_10	LCFA_9	8.000	313.750	0.007	186,414.715	48,278.862	Free Surface	2.713	0.344	0.254	0.229	0.248	1.167	732,621.515	No	0.229	2.713
	LCFA_11-LCFA_10	LCFA_11	LCFA_10	8.000	349.730	0.007	186,414.715	48,278.862	Free Surface	2.717	0.344	0.254	0.229	0.248	1.169	734,256.516	No	0.229	2.717
	LCFA_12-LCFA_11	LCFA_12	LCFA_11	8.000	136.970	0.006	186,414.715	48,278.862	Free Surface	2.472	0.368	0.289	0.246	0.248	1.023	644,264.831	No	0.246	2.472
	LCFA_13-LCFA_12	LCFA_13	LCFA_12	8.000	127.450	0.008	186,414.715	48,278.862	Free Surface	2.821	0.334	0.241	0.223	0.248	1.233	773,653.723	No	0.223	2.821
	LCFA_14-LCFA_13	LCFA_14	LCFA_13	8.000	231.150	0.007	186,414.715	48,278.862	Free Surface	2.598	0.355	0.270	0.237	0.248	1.098	690,180.006	No	0.237	2.598
	LCFA_15-LCFA_14	LCFA_15	LCFA_14	8.000	166.040	0.007	186,414.715	48,278.862	Free Surface	2.624	0.352	0.266	0.235	0.248	1.113	699,836.302	No	0.235	2.624
	LCFA_16-LCFA_15	LCFA_16	LCFA_15	8.000	153.370	0.010	186,414.715	48,278.862	Free Surface	2.991	0.320	0.222	0.214	0.248	1.339	838,955.698	No	0.214	2.991
	LCFA_17-LCFA_16	LCFA_17	LCFA_16	8.000	253.950	0.034	186,414.715	48,278.862	Free Surface	4.661	0.233	0.119	0.156	0.248	2.480	1,562,036.128	No	0.156	4.661
	LCFA_1-EVF1A1_52	LCFA_1	EVF1A1_52	21.000	283.048	0.002	2,202,611.950	891,970.224	Free Surface	3.338	0.440	0.401	0.771	0.672	0.768	5,492,249.176	Yes	0.905	2.715
	LCFA_3-LCFA_1	LCFA_3	LCFA_1	8.000	197.180	0.029	316,240.035	88,529.727	Free Surface	5.099	0.319	0.221	0.213	0.327	2.287	1,433,080.656	Yes	0.492	1.772
	LCFA_4-LCFA_3	LCFA_4	LCFA_3	8.000	231.800	0.004	316,240.035	88,529.727	Free Surface	2.416	0.563	0.608	0.375	0.327	0.769	519,716.515	No	0.375	2.416
	LCFA_5-LCFA_4	LCFA_5	LCFA_4	8.000	301.080	0.004	316,240.035	88,529.727	Free Surface	2.472	0.553	0.590	0.368	0.327	0.797	535,566.343	No		

FULL BUILDOUT PIPE TABLE

	ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (gpd)	Peakable Flow (gpd)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth	Critical Depth	Froude Number	Full Flow (gpd)	Backwater Adjustment	Adjusted Depth (ft)	Adjusted Velocity
	LCFA_9-LCFA_8	LCFA_9	LCFA_8	8.000	78.140	0.006	186,414.715	48,278.862	Free Surface	2.450	0.371	0.293	0.247	0.248	1.010	636,580.370	No	0.247	2.450
	LCFB_1-LCFA_7	LCFB_1	LCFA_7	8.000	119.310	0.004	118,674.618	29,750.389	Free Surface	1.956	0.314	0.214	0.209	0.197	0.885	554,638.832	No	0.209	1.956
	LCFB_2-LCFB_1	LCFB_2	LCFB_1	8.000	129.900	0.006	118,674.618	29,750.389	Free Surface	2.250	0.284	0.176	0.189	0.197	1.076	674,009.407	No	0.189	2.250
	LCFB_3-LCFB_2	LCFB_3	LCFB_2	8.000	219.450	0.007	118,674.618	29,750.389	Free Surface	2.336	0.276	0.167	0.184	0.197	1.134	710,650.679	No	0.184	2.336
	LCFB_4-LCFB_3	LCFB_4	LCFB_3	8.000	93.380	0.008	118,674.618	29,750.389	Free Surface	2.440	0.268	0.157	0.179	0.197	1.205	755,183.569	No	0.179	2.440
	NMS_10-NMS_9	NMS_10	NMS_9	10.000	29.440	0.040	512,999.807	157,499.941	Free Surface	6.475	0.276	0.167	0.230	0.394	2.813	3,079,396.698	No	0.230	6.475
	NMS_11-NMS_10	NMS_11	NMS_10	10.000	400.000	0.010	512,999.807	157,499.941	Free Surface	3.926	0.398	0.334	0.331	0.394	1.390	1,538,131.757	No	0.331	3.926
	NMS_12-NMS_11	NMS_12	NMS_11	10.000	400.000	0.008	512,999.807	157,499.941	Free Surface	3.618	0.423	0.373	0.352	0.394	1.235	1,375,746.867	No	0.352	3.618
	NMS_13-NMS_12	NMS_13	NMS_12	10.000	400.000	0.008	512,999.807	157,499.941	Free Surface	3.618	0.423	0.373	0.352	0.394	1.235	1,375,746.867	No	0.352	3.618
	NMS_14-NMS_13	NMS_14	NMS_13	10.000	89.260	0.009	512,999.807	157,499.941	Free Surface	3.772	0.410	0.352	0.342	0.394	1.312	1,456,163.333	No	0.342	3.772
	NMS_15-NMS_14	NMS_15	NMS_14	10.000	119.200	0.010	512,999.807	157,499.941	Free Surface	3.935	0.397	0.332	0.331	0.394	1.394	1,543,284.642	No	0.331	3.935
	NMS_16-NMS_15	NMS_16	NMS_15	10.000	374.790	0.007	512,999.807	157,499.941	Free Surface	3.443	0.439	0.399	0.366	0.394	1.149	1,286,027.298	No	0.366	3.443
	NMS_17-NMS_16	NMS_17	NMS_16	10.000	332.270	0.020	512,999.807	157,499.941	Free Surface	5.048	0.330	0.236	0.275	0.394	1.986	2,175,999.523	No	0.275	5.048
	NMS_18-NMS_17	NMS_18	NMS_17	10.000	332.270	0.033	512,999.807	157,499.941	Free Surface	6.039	0.290	0.184	0.242	0.394	2.553	2,793,529.425	No	0.242	6.039
	NMS_19-NMS_18	NMS_19	NMS_18	10.000	104.120	0.030	512,999.807	157,499.941	Free Surface	5.835	0.297	0.193	0.248	0.394	2.434	2,662,586.687	No	0.248	5.835
	NMS_1-FMF9_1	NMS_1	FMF9_1	10.000	114.510	0.060	512,999.807	157,499.941	Free Surface	7.476	0.249	0.136	0.208	0.394	3.433	3,767,473.447	No	0.208	7.476
	NMS_20-NMS_19	NMS_20	NMS_19	10.000	98.110	0.010	512,999.807	157,499.941	Free Surface	3.924	0.398	0.334	0.332	0.394	1.389	1,537,269.246	No	0.332	3.924
	NMS_2-NMS_1	NMS_2	NMS_1	10.000	87.230	0.040	512,999.807	157,499.941	Free Surface	6.471	0.276	0.167	0.230	0.394	2.811	3,076,616.155	No	0.230	6.471
	NMS_3-NMS_2	NMS_3	NMS_2	10.000	113.730	0.010	512,999.807	157,499.941	Free Surface	3.929	0.397	0.333	0.331	0.394	1.391	1,539,956.471	No	0.331	3.929
	NMS_4-NMS_3	NMS_4	NMS_3	10.000	270.690	0.010	512,999.807	157,499.941	Free Surface	3.922	0.398	0.334	0.332	0.394	1.388	1,536,170.126	No	0.332	3.922
	NMS_5-NMS_4	NMS_5	NMS_4	10.000	55.800	0.030	512,999.807	157,499.941	Free Surface	5.845	0.297	0.192	0.248	0.394	2.440	2,668,892.495	No	0.248	5.845
	NMS_6-NMS_5	NMS_6	NMS_5	10.000	56.570	0.030	512,999.807	157,499.941	Free Surface	5.841	0.297	0.192	0.248	0.394	2.437	2,666,397.603	No	0.248	5.841
	NMS_7-NMS_6	NMS_7	NMS_6	10.000	55.470	0.030	512,999.807	157,499.941	Free Surface	5.833	0.298	0.193	0.248	0.394	2.432	2,660,838.404	No	0.248	5.833
	NMS_8-NMS_7	NMS_8	NMS_7	10.000	400.000	0.010	512,999.807	157,499.941	Free Surface	3.926	0.398	0.334	0.331	0.394	1.390	1,538,131.757	No	0.331	3.926
	NMS_9-NMS_8	NMS_9	NMS_8	10.000	400.000	0.008	512,999.807	157,499.941	Free Surface	3.691	0.417	0.363	0.347	0.394	1.271	1,413,910.415	No	0.347	3.691
	OGF1_17-OGF1_18	OGF1_17	OGF1_18	10.000	85.519	0.016	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,932,538.745	No	0.000	0.000
	OGF1_18-OGF1_25	OGF1_18	OGF1_25	10.000	68.819	0.014	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,816,667.672	No	0.000	0.000
	OGF1_1-OGF1_2	OGF1_1	OGF1_2	10.000	389.725	0.011	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,579,556.344	No	0.000	0.000
	OGF1_25-OGF1_75	OGF1_25	OGF1_75	10.000	202.386	0.005	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,123,609.766	Yes	0.012	0.000
	OGF1_2-OGF1_3	OGF1_2	OGF1_3	10.000	76.361	0.005	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,099,236.929	No	0.000	0.000
	OGF1_3-OGF1_4	OGF1_3	OGF1_4	10.000	302.094	0.018	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	2,048,825.511	No	0.000	0.000
	OGF1_4-OGF1_5	OGF1_4	OGF1_5	10.000	93.410	0.011	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,583,489.455	No	0.000	0.000
	OGF1_5-OGF1_17	OGF1_5	OGF1_17	10.000	49.146	0.013	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,741,483.745	No	0.000	0.000
	OGF1_69-OGF1_70	OGF1_69	OGF1_70	10.000	90.809	0.005	238,514.304	63,400.296	Free Surface	2.445	0.321	0.223	0.267	0.264	0.978	1,070,666.651	No	0.267	2.445
	OGF1_70-OGF1_71	OGF1_70	OGF1_71	10.000	96.964	0.005	238,514.304	63,400.296	Free Surface	2.407	0.324	0.228	0.270	0.264	0.957	1,047,841.622	No	0.270	2.407
	OGF1_71-OGF1_72	OGF1_71	OGF1_72	10.000	93.080	0.002	238,514.304	63,400.296	Free Surface	1.598	0.440	0.400	0.366	0.264	0.533	596,524.643	No	0.366	1.598
	OGF1_72-OGF1_73	OGF1_72	OGF1_73	10.000	85.671	0.009	238,514.304	63,400.296	Free Surface	3.036	0.274	0.165	0.229	0.264	1.323	1,448,715.520	Yes	0.251	2.665
	OGF1_73-OGF1_74	OGF1_73	OGF1_74	10.000	191.425	0.004	238,514.304	63,400.296	Free Surface	2.369	0.328	0.233	0.273	0.264	0.936	1,024,951.498	No	0.273	2.369
	OGF1_74-OGF1_75	OGF1_74	OGF1_75	10.000	100.813	0.009	238,514.304	63,400.296	Free Surface	3.043	0.274	0.164	0.228	0.264	1.328	1,453,305.584	Yes	0.241	2.820
	OGF1_75-TOE_2622	OGF1_75	TOE_2622	10.000	194.676	0.006	238,514.304	63,400.296	Free Surface	2.625	0.305	0.202	0.254	0.264	1.081	1,182,188.388	No	0.254	2.625
	OGF2_29-OGF2_31	OGF2_29	OGF2_31	8.000	229.146	0.011	57,000.939	14,250.235	Free Surface	2.203	0.172	0.064	0.115	0.135	1.376	884,315.641	No	0.115	2.203
	OGF2_31-OGF2_32	OGF2_31	OGF2_32	8.000	236.759	0.022	57,000.939	14,250.235	Free Surface	2.827	0.145	0.045	0.097	0.135	1.932	1,260,843.418	No	0.097	2.827
	OGF2_32-OGF2_33	OGF2_32	OGF2_33	8.000	236.902	0.020	57,000.939	14,250.235	Free Surface	2.742	0.148	0.047	0.099	0.135	1.854	1,207,535.197	No	0.099	2.742
	OGF2_33-OGF2_34	OGF2_33	OGF2_34	8.000	190.439	0.009	57,000.939	14,250.235	Free Surface	2.059	0.180	0.071	0.120	0.135	1.256	803,865.810	No	0.120	2.059
	OGF2_34-OGF2_46	OGF2_34	OGF2_46	8.000	282.567	0.009	57,000.939	14,250.235	Free Surface	2.063	0.180	0.071	0.120	0.135	1.259	805,885.247	No	0.120	2.063
	OGF2_46-OGF2_49	OGF2_46	OGF2_49	8.000	124.327	0.015	57,000.939	14,250.235	Free Surface	2.451	0.160	0.055	0.107	0.135	1.591	1,029,214.197	No	0.107	2.451
	OGF2_49-OGF2_50	OGF2_49	OGF2_50	8.000	119.294	0.011	57,000.939	14,250.235	Free Surface	2.181	0.173	0.065	0.116	0.135	1.357	871,847.331	No	0.116	2.181
	OGF2_50-OGF2_65	OGF2_50	OGF2_65	8.000	185.079	0.002	57,000.939	14,250.235	Free Surface	1.266	0.254	0.141	0.169	0.135	0.644	404,119.324	Yes	0.215	0.905
	OGF2_65-OGF2_68	OGF2_65	OGF2_68	10.000	168.652	0.003	238,514.304	63,400.296	Free Surface	1.986	0.373	0.297	0.311	0.264	0.729	803,297.351	No	0.311	1.986
	OGF2_68-OGF1_69	OGF2_68	OGF1_69	10.000	289.307	0.010	238,514.304	63,400.296	Free Surface	3.152	0.267	0.156	0.223	0.264	1.394	1,526,638.745	Yes	0.245	2.758
	OTF1_101-OTF1_102	OTF1_101	OTF1_102	12.000	360.260	0.003	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,263,957.034	No	0.000	0.000
	OTF1_102-OTF1_103	OTF1_102	OTF1_103	12.000	415.146	0.001	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	776,382.060	Yes	0.275	0.000
	OTF1_103-TOE_2798	OTF1_103	TOE_2798	12.000	319.000	0.007	520,284.568	160,162.500	Free Surface	3.485	0.335	0.242	0.335	0.375	1.242	2,146,766.242	Yes	0.345	3.347
	OTF1_108-TOE_3005	OTF1_108	TOE_3005	16.000	25.799	0.261	694,293.725	225,696.875	Free Surface	12.948	0.109	0.025	0.146	0.400	7.228	27,512,267.951	Yes	0.444	2.637
	OTF1_30-OTF1_37	OTF1_30	OTF1_37	8.000	188.540	0.004	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	505,707.818	No	0.000	0.000
	OTF1_37-OTF1_43	OTF1_37	OTF1_43	8.000	385.010	0.004	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	567,011.375	Yes	0.158	0.000
	OTF1_43-OTF1_44	OTF1_43	OTF1_44	8.000	466.022	0.004	241,426												

FULL BUILDOUT PIPE TABLE

	ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (gpd)	Peakable Flow (gpd)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth	Critical Depth	Froude Number	Full Flow (gpd)	Backwater Adjustment	Adjusted Depth (ft)	Adjusted Velocity
	OTF1_47-OTF1_48	OTF1_47	OTF1_48	10.000	474.640	0.004	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	978,277.047	No	0.000	0.000
	OTF1_48-OTF1_62	OTF1_48	OTF1_62	10.000	436.432	0.003	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	842,696.068	Yes	0.107	0.000
	OTF1_60A-OTF1_61A	OTF1_60A	OTF1_61A	24.000	31.746	0.004	2,295,434.228	936,914.047	Free Surface	3.929	0.330	0.235	0.660	0.660	0.999	9,764,428.122	No	0.660	3.929
	OTF1_61A-TOE_2825	OTF1_61A	TOE_2825	24.000	191.263	0.005	2,295,434.228	936,914.047	Free Surface	4.200	0.314	0.214	0.629	0.660	1.097	10,711,431.840	No	0.629	4.200
	OTF1_62-OTF1_64	OTF1_62	OTF1_64	10.000	483.405	0.003	111,997.398	27,999.349	Free Surface	1.566	0.257	0.144	0.214	0.179	0.708	775,872.865	No	0.214	1.566
	OTF1_64-OTF1_82	OTF1_64	OTF1_82	10.000	469.703	0.003	111,997.398	27,999.349	Free Surface	1.622	0.250	0.137	0.209	0.179	0.743	815,396.316	Yes	0.210	1.606
	OTF1_65-OTF1_80	OTF1_65	OTF1_80	8.000	484.534	0.004	241,426.929	64,337.736	Free Surface	2.356	0.464	0.440	0.309	0.284	0.850	549,097.814	Yes	0.311	2.344
	OTF1_80-OTF1_96	OTF1_80	OTF1_96	8.000	428.652	0.004	241,426.929	64,337.736	Free Surface	2.333	0.468	0.445	0.312	0.284	0.838	542,038.596	No	0.312	2.333
	OTF1_82-OTF1_87	OTF1_82	OTF1_87	10.000	444.471	0.003	111,997.398	27,999.349	Free Surface	1.589	0.254	0.141	0.212	0.179	0.723	792,524.443	Yes	0.242	1.321
	OTF1_87-OTF1_96	OTF1_87	OTF1_96	10.000	387.699	0.003	192,158.435	49,849.901	Free Surface	1.928	0.326	0.229	0.271	0.236	0.765	837,713.068	No	0.271	1.928
	OTF1_88-OTF1_89	OTF1_88	OTF1_89	8.000	321.471	0.015	66,798.695	16,699.674	Free Surface	2.602	0.171	0.064	0.114	0.146	1.631	1,048,414.908	Yes	0.667	0.296
	OTF1_89-OTF1_90	OTF1_89	OTF1_90	8.000	329.236	-0.007	66,798.695	16,699.674	Pressurized	0.296	1.000		0.667	0.000	0.064		No	0.667	0.296
	OTF1_90-OTF1_92	OTF1_90	OTF1_92	8.000	164.601	0.004	66,798.695	16,699.674	Free Surface	1.657	0.235	0.121	0.156	0.146	0.878	553,217.651	No	0.156	1.657
	OTF1_92-OTF1_93	OTF1_92	OTF1_93	8.000	20.322	0.005	66,798.695	16,699.674	Free Surface	1.745	0.226	0.112	0.151	0.146	0.943	595,084.768	No	0.151	1.745
	OTF1_93-OTF1_94	OTF1_93	OTF1_94	8.000	373.404	0.008	66,798.695	16,699.674	Free Surface	2.058	0.201	0.089	0.134	0.146	1.183	751,463.852	No	0.134	2.058
	OTF1_94-OTF1_95	OTF1_94	OTF1_95	8.000	179.276	0.023	66,798.695	16,699.674	Free Surface	2.991	0.155	0.052	0.104	0.146	1.971	1,278,202.011	Yes	0.184	1.317
	OTF1_95-OTF1_96	OTF1_95	OTF1_96	8.000	386.157	0.004	177,991.294	45,974.863	Free Surface	2.134	0.397	0.332	0.265	0.243	0.846	535,724.847	No	0.265	2.134
	OTF1_96-OTF1_97	OTF1_96	OTF1_97	12.000	9.000	0.033	520,284.568	160,162.500	Free Surface	5.975	0.228	0.114	0.228	0.375	2.628	4,566,521.855	No	0.228	5.975
	OTF1_97-OTF1_98	OTF1_97	OTF1_98	12.000	180.000	0.006	520,284.568	160,162.500	Free Surface	3.170	0.359	0.276	0.359	0.375	1.086	1,882,825.195	No	0.359	3.170
	OTF1_98-OTF1_103	OTF1_98	OTF1_103	12.000	300.000	0.007	520,284.568	160,162.500	Free Surface	3.485	0.335	0.242	0.335	0.375	1.242	2,146,751.017	No	0.335	3.485
	RMF1_114-RMF1_118	RMF1_114	RMF1_118	12.000	321.098	0.027	709,007.958	231,369.033	Free Surface	6.074	0.281	0.172	0.281	0.441	2.388	4,121,788.264	No	0.281	6.074
	RMF1_118-AIF1_119	RMF1_118	AIF1_119	12.000	371.334	0.005	709,007.958	231,369.033	Free Surface	3.346	0.435	0.392	0.435	0.441	1.025	1,807,858.922	No	0.435	3.346
	SCC_01	SCC_21	TOE_2948	15.000	100.000	0.002	1,627,629.495	622,243.926	Free Surface	2.843	0.678	0.803	0.848	0.636	0.575	2,028,108.090	Yes	0.943	2.535
	SCC_10	SCC_12	SCC_13	15.000	375.000	0.002	1,627,629.495	622,243.926	Free Surface	2.843	0.678	0.803	0.848	0.636	0.575	2,028,108.090	No	0.848	2.843
	SCC_11	SCC_11A	SCC_12	15.000	145.690	0.002	1,627,629.495	622,243.926	Free Surface	2.837	0.679	0.804	0.849	0.636	0.573	2,023,299.745	No	0.849	2.837
	SCC_12	SCC_11	SCC_11A	12.000	356.110	0.023	362,472.724	104,244.441	Free Surface	4.690	0.210	0.096	0.210	0.311	2.157	3,765,224.279	Yes	0.429	1.740
	SCC_13	SCC_10	SCC_11	12.000	490.000	0.004	362,472.724	104,244.441	Free Surface	2.481	0.330	0.235	0.330	0.311	0.892	1,541,006.959	No	0.330	2.481
	SCC_14	SCC_09	SCC_10	12.000	100.000	0.009	362,472.724	104,244.441	Free Surface	3.380	0.264	0.153	0.264	0.311	1.373	2,372,834.360	No	0.264	3.380
	SCC_15	SCC_08	SCC_09	12.000	413.000	0.010	362,472.724	104,244.441	Free Surface	3.545	0.255	0.143	0.255	0.311	1.467	2,537,263.705	No	0.255	3.545
	SCC_16	SCC_07	SCC_08	12.000	412.000	0.008	362,472.724	104,244.441	Free Surface	3.167	0.277	0.167	0.277	0.311	1.254	2,166,091.507	No	0.277	3.167
	SCC_17	SCC_06	SCC_07	10.000	375.000	0.007	333,054.618	94,245.085	Free Surface	3.099	0.344	0.255	0.287	0.314	1.192	1,307,562.782	No	0.287	3.099
	SCC_18	SCC_05	SCC_06	10.000	150.000	0.007	333,054.618	94,245.085	Free Surface	3.043	0.349	0.261	0.291	0.314	1.161	1,274,578.305	No	0.291	3.043
	SCC_19	SCC_04	SCC_05	10.000	200.000	0.007	333,054.618	94,245.085	Free Surface	3.064	0.347	0.259	0.289	0.314	1.173	1,286,893.357	No	0.289	3.064
	SCC_2	SCC_20	SCC_21	15.000	225.000	0.002	1,627,629.495	622,243.926	Free Surface	2.843	0.678	0.803	0.848	0.636	0.575	2,028,108.090	No	0.848	2.843
	SCC_20	SCC_03	SCC_04	10.000	220.000	0.007	333,054.618	94,245.085	Free Surface	3.099	0.344	0.255	0.287	0.314	1.192	1,307,617.610	No	0.287	3.099
	SCC_21	SCC_02	SCC_03	10.000	577.000	0.007	333,054.618	94,245.085	Free Surface	3.137	0.341	0.251	0.284	0.314	1.212	1,329,365.083	No	0.284	3.137
	SCC_22	SCC_01	SCC_02	8.000	443.000	0.011	187,936.195	48,695.022	Free Surface	3.156	0.310	0.209	0.207	0.249	1.439	901,253.048	No	0.207	3.156
	SCC_3	SCC_19	SCC_20	15.000	415.000	0.002	1,627,629.495	622,243.926	Free Surface	2.843	0.678	0.803	0.848	0.636	0.575	2,028,108.090	No	0.848	2.843
	SCC_4	SCC_18	SCC_19	15.000	485.000	0.002	1,627,629.495	622,243.926	Free Surface	2.830	0.681	0.807	0.851	0.636	0.571	2,017,626.841	No	0.851	2.830
	SCC_5	SCC_17	SCC_18	15.000	275.000	0.002	1,627,629.495	622,243.926	Free Surface	2.843	0.678	0.803	0.848	0.636	0.575	2,028,108.090	No	0.848	2.843
	SCC_6	SCC_16	SCC_17	15.000	513.000	0.002	1,627,629.495	622,243.926	Free Surface	2.847	0.677	0.801	0.846	0.636	0.577	2,032,057.671	No	0.846	2.847
	SCC_7	SCC_15	SCC_16	15.000	512.000	0.002	1,627,629.495	622,243.926	Free Surface	2.838	0.679	0.804	0.849	0.636	0.574	2,024,143.065	No	0.849	2.838
	SCC_8	SCC_14	SCC_15	15.000	500.000	0.002	1,627,629.495	622,243.926	Free Surface	2.843	0.678	0.803	0.848	0.636	0.575	2,028,108.090	No	0.848	2.843
	SCC_9	SCC_13	SCC_14	15.000	500.000	0.002	1,627,629.495	622,243.926	Free Surface	2.831	0.681	0.807	0.851	0.636	0.571	2,017,942.070	No	0.851	2.831
	SUN_10-SUN_11	SUN_10	SUN_11	8.000	402.750	0.024	224,841.521	58,999.658	Free Surface	4.369	0.279	0.170	0.186	0.274	2.110	1,321,950.703	No	0.186	4.369
	SUN_11-SUN_12	SUN_11	SUN_12	8.000	319.400	0.053	224,841.521	58,999.658	Free Surface	5.765	0.229	0.115	0.153	0.274	3.096	1,951,946.703	Yes	0.173	4.831
	SUN_12-SUN_13	SUN_12	SUN_13	8.000	400.080	0.004	224,841.521	58,999.658	Free Surface	2.349	0.440	0.401	0.294	0.274	0.875	561,059.875	No	0.294	2.349
	SUN_13-SUN_14	SUN_13	SUN_14	8.000	338.740	0.010	224,841.521	58,999.658	Free Surface	3.178	0.351	0.265	0.234	0.274	1.350	848,653.125	No	0.234	3.178
	SUN_14-SUN_15	SUN_14	SUN_15	8.000	319.320	0.023	224,841.521	58,999.658	Free Surface	4.305	0.282	0.174	0.188	0.274	2.067	1,294,902.337	No	0.188	4.305
	SUN_15-ECF1_44	SUN_15	ECF1_44	8.000	698.510	0.004	224,841.521	58,999.658	Free Surface	2.198	0.463	0.439	0.309	0.274	0.794	512,563.154	Yes	0.640	1.010
	SUN_1-SUN_2	SUN_1	SUN_2	8.000	388.620	0.017	224,841.521	58,999.658	Free Surface	3.861	0.305	0.202	0.203	0.274	1.776	1,112,216.324	No	0.203	3.861
	SUN_2-SUN_3	SUN_2	SUN_3	8.000	390.550	0.015	224,841.521	58,999.658	Free Surface	3.668	0.316	0.217	0.211	0.274	1.653	1,035,587.450	No	0.211	3.668
	SUN_3-SUN_4	SUN_3	SUN_4	8.000	397.140	0.008	224,841.521	58,999.658	Free Surface	2.921	0.374	0.298	0.249	0.274	1.198	755,521.919	No	0.249	2.921
	SUN_4-SUN_5	SUN_4	SUN_5	8.000	184.760	0.006	224,841.521	58,999.658	Free Surface	2.666	0.400	0.337	0.267	0.274	1.051	666,364.813	No	0.267	2.666
	SUN_5-SUN_6	SUN_5	SUN_6	8.000	334.880	0.005	224,841.521	58,999.658	Free Surface	2.399	0.433	0.390	0.289	0.274	0.902	577,144.885	No	0.289	2.399
	SUN_6-SUN_7	SUN_6	SUN_7	8.000	247.010	0.005	224,841.521	58,999.658	Free Surface	2.404	0.433	0.388	0.288	0.274	0.905	578,835.635	No	0.288	2.404
	SUN_7-SUN_8	SUN_7	SUN_8	8.000	269.850	0													

FULL BUILDOUT PIPE TABLE

	ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (gpd)	Peakable Flow (gpd)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth	Critical Depth	Froude Number	Full Flow (gpd)	Backwater Adjustment	Adjusted Depth (ft)	Adjusted Velocity
	TOE_2576-TOE_2577	TOE_2576	TOE_2577	18.000	282.794	0.005	1,355,387.386	500,421.412	Free Surface	3.919	0.342	0.252	0.514	0.547	1.127	5,370,802.322	No	0.514	3.919
	TOE_2577-TOE_2578	TOE_2577	TOE_2578	18.000	270.433	0.015	1,355,387.386	500,421.412	Free Surface	5.655	0.263	0.151	0.394	0.547	1.881	8,957,466.948	No	0.394	5.655
	TOE_2578-TOE_2579	TOE_2578	TOE_2579	18.000	293.969	0.015	1,355,387.386	500,421.412	Free Surface	5.647	0.263	0.152	0.395	0.547	1.877	8,939,632.045	No	0.395	5.647
	TOE_2579-TOE_2981	TOE_2579	TOE_2981	18.000	91.682	0.009	1,355,387.386	500,421.412	Free Surface	4.742	0.298	0.194	0.447	0.547	1.472	6,999,656.252	No	0.447	4.742
	TOE_2580-TOE_2978	TOE_2580	TOE_2978	18.000	103.702	0.005	1,355,387.386	500,421.412	Free Surface	3.703	0.357	0.273	0.536	0.547	1.039	4,964,591.669	No	0.536	3.703
	TOE_2581-TOE_2979	TOE_2581	TOE_2979	18.000	84.929	0.004	1,421,643.166	529,672.121	Free Surface	3.734	0.368	0.288	0.551	0.560	1.031	4,932,785.490	No	0.551	3.734
	TOE_2582-TOE_2980	TOE_2582	TOE_2980	18.000	25.848	0.005	1,421,643.166	529,672.121	Free Surface	3.784	0.364	0.283	0.546	0.560	1.051	5,024,681.737	Yes	0.553	3.717
	TOE_2583-TOE_2584	TOE_2583	TOE_2584	18.000	397.733	0.004	1,421,643.166	529,672.121	Free Surface	3.509	0.385	0.314	0.577	0.560	0.944	4,528,752.063	No	0.577	3.509
	TOE_2584-CHF3A_15	TOE_2584	CHF3A_15	18.000	394.000	0.004	1,421,643.166	529,672.121	Free Surface	3.588	0.379	0.304	0.568	0.560	0.974	4,669,916.990	No	0.568	3.588
	TOE_2585-CHF1A_C1	TOE_2585	CHF1A_C1	18.000	230.196	0.010	1,473,345.957	552,671.792	Free Surface	5.116	0.300	0.196	0.450	0.571	1.583	7,529,828.380	No	0.450	5.116
	TOE_2586-TOE_2587	TOE_2586	TOE_2587	18.000	230.190	0.008	1,635,716.886	625,921.684	Free Surface	4.797	0.339	0.247	0.508	0.603	1.387	6,611,064.070	No	0.508	4.797
	TOE_2587-TOE_2588	TOE_2587	TOE_2588	18.000	93.140	0.020	1,635,716.886	625,921.684	Free Surface	6.687	0.267	0.156	0.400	0.603	2.206	10,504,890.108	No	0.400	6.687
	TOE_2588-TOE_2589	TOE_2588	TOE_2589	18.000	492.495	0.024	1,635,716.886	625,921.684	Free Surface	7.145	0.254	0.142	0.382	0.603	2.419	11,530,311.680	No	0.382	7.145
	TOE_2589-TOE_2590	TOE_2589	TOE_2590	18.000	115.180	0.023	1,751,846.743	679,171.424	Free Surface	7.132	0.268	0.157	0.401	0.625	2.349	11,185,690.250	No	0.401	7.132
	TOE_2590-TOE_2591	TOE_2590	TOE_2591	18.000	23.959	0.061	1,751,846.743	679,171.424	Free Surface	10.102	0.209	0.096	0.314	0.625	3.797	18,266,219.977	Yes	0.698	3.365
	TOE_2591-TOE_2743	TOE_2591	TOE_2743	30.000	231.417	0.003	8,103,185.591	4,205,550.096	Free Surface	4.737	0.531	0.553	1.327	1.189	0.810	14,662,594.587	No	1.327	4.737
	TOE_2592-TOE_2593	TOE_2592	TOE_2593	8.000	52.704	0.006	168,030.599	43,250.384	Free Surface	2.419	0.347	0.258	0.231	0.235	1.036	650,612.893	No	0.231	2.419
	TOE_2593-GVF1_95	TOE_2593	GVF1_95	8.000	189.327	0.015	168,030.599	43,250.384	Free Surface	3.397	0.271	0.161	0.181	0.235	1.666	1,044,475.552	No	0.181	3.397
	TOE_2594-TOE_2595	TOE_2594	TOE_2595	15.000	178.668	0.003	887,581.330	302,350.926	Free Surface	2.916	0.408	0.350	0.510	0.463	0.830	2,538,906.603	No	0.510	2.916
	TOE_2595-TOE_2596	TOE_2595	TOE_2596	15.000	210.662	0.002	887,581.330	302,350.926	Free Surface	2.469	0.463	0.438	0.579	0.463	0.651	2,024,320.664	No	0.579	2.469
	TOE_2596-TOE_2597	TOE_2596	TOE_2597	30.000	111.976	0.003	887,581.330	302,350.926	Free Surface	2.517	0.168	0.062	0.421	0.381	0.821	14,399,580.685	No	0.421	2.517
	TOE_2597-TOE_2598	TOE_2597	TOE_2598	30.000	103.462	0.001	887,581.330	302,350.926	Free Surface	2.077	0.192	0.081	0.481	0.381	0.632	10,964,496.126	No	0.481	2.077
	TOE_2598-TOE_2591	TOE_2598	TOE_2591	15.000	231.956	0.022	887,581.330	302,350.926	Free Surface	5.877	0.245	0.132	0.307	0.463	2.222	6,724,468.009	No	0.307	5.877
	TOE_2609-TOE_2747	TOE_2609	TOE_2747	18.000	443.041	0.002	1,074,330.451	379,477.297	Free Surface	2.585	0.392	0.325	0.588	0.485	0.688	3,305,231.616	No	0.588	2.585
	TOE_2610-TOE_2609	TOE_2610	TOE_2609	18.000	80.972	0.012	1,074,330.451	379,477.297	Free Surface	4.964	0.245	0.131	0.367	0.485	1.717	8,195,229.564	Yes	0.403	4.355
	TOE_2612-TOE_2610	TOE_2612	TOE_2610	18.000	148.443	0.013	1,074,330.451	379,477.297	Free Surface	5.083	0.240	0.127	0.361	0.485	1.774	8,473,788.030	No	0.361	5.083
	TOE_2615-TOE_2619	TOE_2615	TOE_2619	30.000	285.463	0.002	8,186,849.815	4,257,296.477	Free Surface	4.084	0.604	0.679	1.511	1.195	0.639	12,051,538.778	No	1.511	4.084
	TOE_2619-TOE_2994	TOE_2619	TOE_2994	30.000	191.828	0.002	8,186,849.815	4,257,296.477	Free Surface	4.590	0.549	0.584	1.372	1.195	0.768	14,024,341.801	No	1.372	4.590
	TOE_2620-TOE_2989	TOE_2620	TOE_2989	12.000	238.521	0.004	238,514.304	63,400.296	Free Surface	2.315	0.257	0.144	0.257	0.251	0.955	1,651,578.715	No	0.257	2.315
	TOE_2621-TOE_2620	TOE_2621	TOE_2620	12.000	178.316	0.015	238,514.304	63,400.296	Free Surface	3.545	0.190	0.079	0.190	0.251	1.716	3,014,402.982	Yes	0.224	2.816
	TOE_2622-TOE_2621	TOE_2622	TOE_2621	12.000	277.449	0.005	238,514.304	63,400.296	Free Surface	2.505	0.243	0.129	0.243	0.251	1.065	1,845,198.621	No	0.243	2.505
	TOE_2623-TOE_2622	TOE_2623	TOE_2622	10.000	399.765	0.025	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	2,444,846.898	No	0.000	0.000
	TOE_2624-TOE_2623	TOE_2624	TOE_2623	10.000	400.696	0.026	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	2,458,872.660	No	0.000	0.000
	TOE_2625-TOE_2624	TOE_2625	TOE_2624	10.000	334.859	0.016	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,951,446.396	No	0.000	0.000
	TOE_2626-OGF2_29	TOE_2626	OGF2_29	8.000	159.127	0.030	57,000.939	14,250.235	Free Surface	3.141	0.135	0.039	0.090	0.135	2.229	1,465,679.145	No	0.090	3.141
	TOE_2628-CSF1_C3A	TOE_2628	CSF1_C3A	18.000	133.826	0.004	968,433.703	335,401.794	Free Surface	3.121	0.316	0.217	0.475	0.459	0.938	4,462,273.317	No	0.475	3.121
	TOE_2629-TOE_2628	TOE_2629	TOE_2628	15.000	253.572	0.006	968,433.703	335,401.794	Free Surface	3.799	0.358	0.274	0.447	0.485	1.167	3,534,157.522	No	0.447	3.799
	TOE_2630-TOE_2984	TOE_2630	TOE_2984	15.000	284.795	0.002	968,433.703	335,401.794	Free Surface	2.700	0.462	0.437	0.578	0.485	0.713	2,215,971.138	No	0.578	2.700
	TOE_2631-TOE_2630	TOE_2631	TOE_2630	15.000	274.927	0.006	968,433.703	335,401.794	Free Surface	3.758	0.361	0.278	0.451	0.485	1.149	3,481,166.216	Yes	0.464	3.609
	TOE_2635-TOE_2636	TOE_2635	TOE_2636	10.000	403.088	0.002	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	718,678.955	No	0.000	0.000
	TOE_2636-TOE_2639	TOE_2636	TOE_2639	10.000	391.446	0.001	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	532,974.852	Yes	0.136	0.000
	TOE_2637-TOE_2638	TOE_2637	TOE_2638	12.000	41.365	0.025	709,007.958	231,369.033	Free Surface	5.929	0.286	0.178	0.286	0.441	2.309	3,984,985.969	No	0.286	5.929
	TOE_2638-TOE_2639	TOE_2638	TOE_2639	12.000	49.033	0.014	709,007.958	231,369.033	Free Surface	4.823	0.332	0.237	0.332	0.441	1.729	2,988,489.806	No	0.332	4.823
	TOE_2639-RMF1_114	TOE_2639	RMF1_114	12.000	110.713	0.013	709,007.958	231,369.033	Free Surface	4.604	0.343	0.253	0.343	0.441	1.620	2,802,550.445	No	0.343	4.604
	TOE_2640-TOE_2637	TOE_2640	TOE_2637	12.000	271.203	0.018	709,007.958	231,369.033	Free Surface	5.210	0.313	0.213	0.313	0.441	1.927	3,327,509.254	Yes	0.474	2.987
	TOE_2646-ARF1_37	TOE_2646	ARF1_37	8.000	44.839	0.002	225,620.011	59,250.218	Free Surface	1.594	0.601	0.673	0.400	0.274	0.485	335,186.855	No	0.400	1.594
	TOE_2647-TOE_2646	TOE_2647	TOE_2646	8.000	316.906	0.005	225,620.011	59,250.218	Free Surface	2.456	0.427	0.379	0.285	0.274	0.932	595,196.711	No	0.285	2.456
	TOE_2648-TOE_2650	TOE_2648	TOE_2650	15.000	410.019	0.004	1,580,829.504	600,990.974	Free Surface	3.525	0.551	0.588	0.689	0.626	0.832	2,687,541.477	No	0.689	3.525
	TOE_2649-TOE_2648	TOE_2649	TOE_2648	15.000	133.522	0.004	1,580,829.504	600,990.974	Free Surface	3.557	0.547	0.581	0.684	0.626	0.843	2,719,066.029	No	0.684	3.557
	TOE_2650-TOE_2656	TOE_2650	TOE_2656	15.000	392.350	0.018	1,653,317.864	633,928.081	Free Surface	6.545	0.355	0.271	0.444	0.641	2.018	6,109,130.732	No	0.444	6.545
	TOE_2651-TOE_2652	TOE_2651	TOE_2652	15.000	16.899	0.004	1,653,317.864	633,928.081	Free Surface	3.794	0.539	0.566	0.674	0.641	0.909	2,918,726.550	Yes	0.689	3.691
	TOE_2652-TOE_2653	TOE_2652	TOE_2653	15.000	381.367	0.004	1,653,317.864	633,928.081	Free Surface	3.594	0.563	0.608	0.704	0.641	0.836	2,718,097.714	No	0.704	3.594
	TOE_2653-TOE_2654	TOE_2653	TOE_2654	15.000	404.066	0.004	1,653,317.864	633,928.081	Free Surface	3.583	0.564	0.611	0.706	0.641	0.832	2,707,267.370	No	0.706	3.583
	TOE_2654-TOE_2655	TOE_2654	TOE_2655	15.000	378.306	0.010	1,728,326.206	668,322.468	Free Surface										

FULL BUILDOUT PIPE TABLE

	ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (gpd)	Peakable Flow (gpd)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth	Critical Depth	Froude Number	Full Flow (gpd)	Backwater Adjustment	Adjusted Depth (ft)	Adjusted Velocity
	TOE_2661-TOE_2663	TOE_2661	TOE_2663	8.000	87.840	0.010	388,704.998	113,160.917	Free Surface	3.719	0.471	0.451	0.314	0.365	1.330	861,076.924	No	0.314	3.719
	TOE_2662-TOE_2664	TOE_2662	TOE_2664	15.000	222.675	0.012	1,580,829.504	600,990.974	Free Surface	5.554	0.388	0.319	0.485	0.626	1.628	4,956,574.417	Yes	0.581	4.376
	TOE_2663-ECF4_135	TOE_2663	ECF4_135	8.000	379.848	0.013	388,704.998	113,160.917	Free Surface	4.105	0.437	0.395	0.291	0.365	1.537	983,940.543	Yes	0.459	2.349
	TOE_2664-TOE_2649	TOE_2664	TOE_2649	15.000	258.002	0.004	1,580,829.504	600,990.974	Free Surface	3.604	0.542	0.571	0.677	0.626	0.860	2,766,306.867	Yes	0.681	3.580
	TOE_2673-VRF1D_702	TOE_2673	VRF1D_702	10.000	248.890	0.016	524,492.316	161,700.419	Free Surface	4.632	0.358	0.274	0.298	0.398	1.743	1,915,504.132	No	0.298	4.632
	TOE_2710-TOE_2712	TOE_2710	TOE_2712	10.000	172.785	0.004	974,143.245	337,750.433	Free Surface	3.166	0.815	0.995	0.679	0.550	0.650	979,015.931	Yes	0.721	3.005
	TOE_2711-TOE_2715	TOE_2711	TOE_2715	10.000	182.798	0.005	974,143.245	337,750.433	Free Surface	3.596	0.718	0.865	0.598	0.550	0.848	1,126,213.727	Yes	0.791	2.818
	TOE_2712-TOE_2713	TOE_2712	TOE_2713	10.000	121.612	0.004	974,143.245	337,750.433	Pressurized	2.763	1.000	1.030	0.833	0.542	0.533	945,986.116	No	0.833	2.763
	TOE_2713-TOE_2714	TOE_2713	TOE_2714	10.000	90.763	0.004	974,143.245	337,750.433	Pressurized	2.763	1.000	1.006	0.833	0.548	0.533	968,703.910	No	0.833	2.763
	TOE_2714-TOE_2711	TOE_2714	TOE_2711	10.000	315.857	0.004	974,143.245	337,750.433	Pressurized	2.763	1.000	1.007	0.833	0.548	0.533	967,616.016	No	0.833	2.763
	TOE_2715-TOE_2716	TOE_2715	TOE_2716	10.000	176.202	0.003	974,143.245	337,750.433	Pressurized	2.763	1.000	1.213	0.833	0.498	0.533	802,803.628	No	0.833	2.763
	TOE_2716-TOE_2717	TOE_2716	TOE_2717	10.000	105.642	0.004	974,143.245	337,750.433	Pressurized	2.763	1.000	1.042	0.833	0.538	0.533	934,562.798	No	0.833	2.763
	TOE_2717-TOE_2718	TOE_2717	TOE_2718	10.000	389.846	0.017	974,143.245	337,750.433	Free Surface	5.636	0.492	0.487	0.410	0.550	1.753	1,999,814.376	Yes	0.480	4.630
	TOE_2718-TOE_2719	TOE_2718	TOE_2719	10.000	404.424	0.004	974,143.245	337,750.433	Free Surface	3.206	0.804	0.983	0.670	0.550	0.670	991,356.795	No	0.670	3.206
	TOE_2719-TOE_2720	TOE_2719	TOE_2720	10.000	399.685	0.009	974,143.245	337,750.433	Free Surface	4.415	0.600	0.671	0.500	0.550	1.203	1,451,641.644	No	0.500	4.415
	TOE_2720-TOE_2721	TOE_2720	TOE_2721	10.000	400.184	0.004	974,143.245	337,750.433	Free Surface	3.194	0.807	0.986	0.673	0.550	0.664	987,655.294	No	0.673	3.194
	TOE_2721-TOE_2722	TOE_2721	TOE_2722	10.000	267.435	0.026	974,143.245	337,750.433	Free Surface	6.572	0.437	0.396	0.364	0.550	2.199	2,459,871.545	No	0.364	6.572
	TOE_2722-TOE_2723	TOE_2722	TOE_2723	10.000	130.770	0.025	974,143.245	337,750.433	Free Surface	6.525	0.440	0.400	0.366	0.550	2.176	2,435,995.502	No	0.366	6.525
	TOE_2723-TOE_2724	TOE_2723	TOE_2724	10.000	402.800	0.029	974,143.245	337,750.433	Free Surface	6.848	0.424	0.374	0.353	0.550	2.334	2,601,206.353	Yes	0.364	6.594
	TOE_2724-TOE_2725	TOE_2724	TOE_2725	10.000	396.385	0.007	974,143.245	337,750.433	Free Surface	3.916	0.665	0.780	0.554	0.550	0.987	1,248,116.180	No	0.554	3.916
	TOE_2725-TOE_2726	TOE_2725	TOE_2726	10.000	403.987	0.007	974,143.245	337,750.433	Free Surface	4.054	0.645	0.748	0.537	0.550	1.047	1,303,194.099	No	0.537	4.054
	TOE_2726-TOE_2727	TOE_2726	TOE_2727	10.000	395.385	0.025	974,143.245	337,750.433	Free Surface	6.538	0.439	0.399	0.366	0.550	2.182	2,442,479.847	No	0.366	6.538
	TOE_2727-TOE_2728	TOE_2727	TOE_2728	10.000	165.621	0.048	974,143.245	337,750.433	Free Surface	8.276	0.368	0.289	0.307	0.550	3.064	3,372,033.353	No	0.307	8.276
	TOE_2728-TOE_2729	TOE_2728	TOE_2729	10.000	61.077	0.044	974,143.245	337,750.433	Free Surface	7.985	0.378	0.303	0.315	0.550	2.912	3,209,925.693	No	0.315	7.985
	TOE_2729-TOE_2730	TOE_2729	TOE_2730	10.000	275.532	0.024	974,143.245	337,750.433	Free Surface	6.394	0.447	0.411	0.372	0.550	2.112	2,369,718.404	Yes	0.376	6.312
	TOE_2730-TOE_2992	TOE_2730	TOE_2992	10.000	316.366	0.009	974,143.245	337,750.433	Free Surface	4.524	0.588	0.650	0.490	0.550	1.251	1,497,819.128	No	0.490	4.524
	TOE_2731-TOE_2960	TOE_2731	TOE_2960	8.000	328.578	0.016	307,562.755	85,623.808	Free Surface	4.070	0.369	0.290	0.246	0.323	1.682	1,059,992.645	Yes	0.296	3.179
	TOE_2732-TOE_2731	TOE_2732	TOE_2731	8.000	341.462	0.005	307,562.755	85,623.808	Free Surface	2.712	0.502	0.504	0.335	0.323	0.932	610,771.602	No	0.335	2.712
	TOE_2733-TOE_2732	TOE_2733	TOE_2732	8.000	191.801	0.006	307,562.755	85,623.808	Free Surface	2.807	0.489	0.481	0.326	0.323	0.981	639,516.219	No	0.326	2.807
	TOE_2734-TOE_2615	TOE_2734	TOE_2615	30.000	429.624	0.007	8,103,185.591	4,205,550.096	Free Surface	6.757	0.404	0.343	1.009	1.189	1.369	23,658,516.928	No	1.009	6.757
	TOE_2735-TOE_2734	TOE_2735	TOE_2734	30.000	244.751	0.002	8,103,185.591	4,205,550.096	Free Surface	4.637	0.540	0.568	1.350	1.189	0.785	14,257,598.474	No	1.350	4.637
	TOE_2736-TOE_2735	TOE_2736	TOE_2735	30.000	359.070	0.002	8,103,185.591	4,205,550.096	Free Surface	4.472	0.556	0.596	1.390	1.189	0.742	13,592,145.780	No	1.390	4.472
	TOE_2737-TOE_2905	TOE_2737	TOE_2905	30.000	464.000	0.002	8,103,185.591	4,205,550.096	Free Surface	4.579	0.545	0.578	1.364	1.189	0.769	14,020,712.700	Yes	1.420	4.357
	TOE_2738-TOE_2737	TOE_2738	TOE_2737	30.000	403.282	0.002	8,103,185.591	4,205,550.096	Free Surface	4.060	0.602	0.675	1.505	1.189	0.637	11,997,131.701	No	1.505	4.060
	TOE_2739-TOE_2738	TOE_2739	TOE_2738	30.000	499.467	0.002	8,103,185.591	4,205,550.096	Free Surface	4.452	0.558	0.600	1.395	1.189	0.737	13,513,742.914	Yes	1.450	4.246
	TOE_2740-TOE_2739	TOE_2740	TOE_2739	30.000	498.367	0.002	8,103,185.591	4,205,550.096	Free Surface	4.295	0.575	0.628	1.437	1.189	0.696	12,899,064.525	No	1.437	4.295
	TOE_2741-TOE_2740	TOE_2741	TOE_2740	30.000	506.092	0.002	8,103,185.591	4,205,550.096	Free Surface	4.099	0.597	0.667	1.493	1.189	0.647	12,143,367.452	No	1.493	4.099
	TOE_2742-TOE_2741	TOE_2742	TOE_2741	30.000	129.779	0.002	8,103,185.591	4,205,550.096	Free Surface	4.535	0.550	0.585	1.374	1.189	0.758	13,844,924.620	Yes	1.384	4.496
	TOE_2743-TOE_2742	TOE_2743	TOE_2742	30.000	172.744	0.003	8,103,185.591	4,205,550.096	Free Surface	5.287	0.487	0.477	1.217	1.189	0.957	16,970,973.773	Yes	1.246	5.131
	TOE_2744-TOE_2591	TOE_2744	TOE_2591	30.000	436.895	0.000	6,481,864.102	3,224,027.746	Pressurized	2.043	1.000	7.118	2.500	0.386	0.228	910,610.783	No	2.500	2.043
	TOE_2745-TOE_2744	TOE_2745	TOE_2744	27.000	198.412	0.004	5,577,852.907	2,696,138.345	Free Surface	5.086	0.442	0.404	0.995	1.010	1.029	13,806,136.114	Yes	2.250	2.171
	TOE_2746-TOE_2744	TOE_2746	TOE_2744	18.000	293.260	0.006	1,417,627.590	527,889.401	Free Surface	4.265	0.333	0.239	0.499	0.559	1.246	5,935,798.422	No	0.499	4.265
	TOE_2747-ECF5_204	TOE_2747	ECF5_204	18.000	398.943	0.006	1,290,558.293	472,062.062	Free Surface	4.105	0.319	0.221	0.479	0.533	1.227	5,837,719.525	No	0.479	4.105
	TOE_2748-TOE_2749	TOE_2748	TOE_2749	12.000	290.977	0.011	1,629,352.103	623,027.285	Free Surface	5.411	0.573	0.626	0.573	0.680	1.390	2,602,387.765	No	0.573	5.411
	TOE_2749-TOE_2750	TOE_2749	TOE_2750	12.000	393.950	0.009	1,629,352.103	623,027.285	Free Surface	5.094	0.603	0.677	0.603	0.680	1.262	2,407,531.959	No	0.603	5.094
	TOE_2750-TOE_2751	TOE_2750	TOE_2751	12.000	263.499	0.020	1,629,352.103	623,027.285	Free Surface	6.849	0.475	0.458	0.475	0.680	1.988	3,553,960.140	No	0.475	6.849
	TOE_2751-TOE_2752	TOE_2751	TOE_2752	15.000	391.732	0.015	1,629,352.103	623,027.285	Free Surface	6.040	0.373	0.296	0.466	0.636	1.812	5,499,118.473	No	0.466	6.040
	TOE_2752-TOE_2753	TOE_2752	TOE_2753	15.000	398.557	0.010	1,629,352.103	623,027.285	Free Surface	5.245	0.414	0.360	0.518	0.636	1.480	4,531,817.796	No	0.518	5.245
	TOE_2753-TOE_2754	TOE_2753	TOE_2754	15.000	349.938	0.011	1,629,352.103	623,027.285	Free Surface	5.486	0.401	0.338	0.501	0.636	1.578	4,818,135.047	No	0.501	5.486
	TOE_2754-TOE_2755	TOE_2754	TOE_2755	15.000	130.982	0.008	1,629,352.103	623,027.285	Free Surface	4.787	0.444	0.407	0.555	0.636	1.296	4,001,938.556	No	0.555	4.787
	TOE_2755-TOE_2759	TOE_2755	TOE_2759	15.000	312.151	0.010	1,629,352.103	623,027.285	Free Surface	5.172	0.419	0.366	0.524	0.636	1.450	4,445,843.679	No	0.524	5.172
	TOE_2756-TOE_2757	TOE_2756	TOE_2757	15.000	72.934	0.010	1,703,330.127	656,832.713	Free Surface	5.365	0.421	0.370	0.527	0.651	1.499	4,598,754.788	No	0.527	5.365
	TOE_2757-TOE_2760	TOE_2757	TOE_2760	15.000	417.818	0.015	1,703,330.127	656,832.713	Free Surface	6.148	0.380	0.307	0.476	0.651	1.823	5,542,104.941	No	0.476	6.148
	TOE_2758-																		

FULL BUILDOUT PIPE TABLE

	ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (gpd)	Peakable Flow (gpd)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth	Critical Depth	Froude Number	Full Flow (gpd)	Backwater Adjustment	Adjusted Depth (ft)	Adjusted Velocity
	TOE_2764-TOE_2763	TOE_2764	TOE_2763	18.000	478.193	0.002	1,703,330.127	656,832.713	Free Surface	3.078	0.488	0.479	0.732	0.615	0.718	3,552,946.925	Yes	0.743	3.020
	TOE_2765-TOE_2766	TOE_2765	TOE_2766	18.000	164.304	0.001	1,703,330.127	656,832.713	Free Surface	2.542	0.568	0.617	0.853	0.615	0.536	2,759,106.316	No	0.853	2.542
	TOE_2766-TOE_2767	TOE_2766	TOE_2767	18.000	181.632	0.002	1,703,330.127	656,832.713	Free Surface	2.870	0.515	0.526	0.773	0.615	0.646	3,237,177.498	No	0.773	2.870
	TOE_2767-TOE_2768	TOE_2767	TOE_2768	18.000	352.648	0.005	1,703,330.127	656,832.713	Free Surface	4.148	0.389	0.320	0.583	0.615	1.109	5,326,808.805	No	0.583	4.148
	TOE_2768-TOE_2914	TOE_2768	TOE_2914	18.000	287.466	0.013	1,703,330.127	656,832.713	Free Surface	5.776	0.305	0.202	0.458	0.615	1.771	8,422,695.282	Yes	0.602	3.974
	TOE_2769-TOE_2770	TOE_2769	TOE_2770	18.000	498.501	0.002	1,703,330.127	656,832.713	Free Surface	3.020	0.495	0.492	0.743	0.615	0.698	3,464,114.064	Yes	0.745	3.007
	TOE_2770-TOE_2771	TOE_2770	TOE_2771	18.000	403.879	0.002	1,703,330.127	656,832.713	Free Surface	2.993	0.499	0.498	0.748	0.615	0.689	3,422,652.098	No	0.748	2.993
	TOE_2771-TOE_2772	TOE_2771	TOE_2772	18.000	100.158	0.006	1,710,973.771	660,333.351	Free Surface	4.259	0.382	0.310	0.574	0.617	1.150	5,514,173.479	Yes	0.649	3.617
	TOE_2772-TOE_2773	TOE_2772	TOE_2773	18.000	361.279	0.002	1,710,973.771	660,333.351	Free Surface	3.137	0.482	0.470	0.723	0.617	0.737	3,639,557.647	Yes	0.852	2.553
	TOE_2773-TOE_2774	TOE_2773	TOE_2774	18.000	259.869	0.004	1,710,973.771	660,333.351	Free Surface	3.716	0.424	0.374	0.635	0.617	0.945	4,574,583.703	Yes	1.411	1.535
	TOE_2774-TOE_2775	TOE_2774	TOE_2775	18.000	352.134	-0.000	1,710,973.771	660,333.351	Pressurized	1.498	1.000		1.500	0.000	0.216		No	1.500	1.498
	TOE_2775-TOE_2776	TOE_2775	TOE_2776	18.000	499.799	0.002	1,710,973.771	660,333.351	Free Surface	2.627	0.555	0.595	0.833	0.617	0.563	2,875,663.264	Yes	0.892	2.416
	TOE_2776-TOE_2777	TOE_2776	TOE_2777	18.000	505.125	0.001	1,710,973.771	660,333.351	Free Surface	2.240	0.634	0.730	0.951	0.617	0.436	2,343,226.326	No	0.951	2.240
	TOE_2777-TOE_2778	TOE_2777	TOE_2778	18.000	448.684	0.001	1,710,973.771	660,333.351	Free Surface	2.310	0.618	0.702	0.927	0.617	0.459	2,437,004.677	Yes	0.938	2.278
	TOE_2778-TOE_2779	TOE_2778	TOE_2779	18.000	451.433	0.001	1,710,973.771	660,333.351	Free Surface	2.248	0.632	0.727	0.948	0.617	0.439	2,354,025.025	Yes	1.092	1.921
	TOE_2779-TOE_2780	TOE_2779	TOE_2780	18.000	471.667	0.001	1,710,973.771	660,333.351	Free Surface	2.228	0.637	0.735	0.956	0.617	0.432	2,327,876.216	Yes	1.343	1.587
	TOE_2780-TOE_2781	TOE_2780	TOE_2781	18.000	294.427	0.001	1,710,973.771	660,333.351	Free Surface	2.277	0.625	0.715	0.938	0.617	0.448	2,392,881.049	Yes	1.500	1.498
	TOE_2781-TOE_2782	TOE_2781	TOE_2782	18.000	388.136	0.000	1,710,973.771	660,333.351	Pressurized	1.498	1.000	1.378	1.500	0.522	0.216	1,241,461.108	No	1.500	1.498
	TOE_2782-TOE_2783	TOE_2782	TOE_2783	21.000	379.111	0.001	1,710,973.771	660,333.351	Free Surface	2.249	0.492	0.486	0.860	0.589	0.483	3,521,797.912	Yes	0.935	2.026
	TOE_2783-TOE_2786	TOE_2783	TOE_2786	21.000	499.183	0.002	1,710,973.771	660,333.351	Free Surface	2.817	0.414	0.358	0.724	0.589	0.672	4,775,511.323	Yes	1.409	1.275
	TOE_2784-TOE_2785	TOE_2784	TOE_2785	21.000	128.890	0.001	1,909,905.766	752,722.277	Free Surface	2.317	0.524	0.541	0.917	0.624	0.478	3,532,789.790	Yes	0.917	2.316
	TOE_2785-TOE_2788	TOE_2785	TOE_2788	21.000	278.260	0.001	1,909,905.766	752,722.277	Free Surface	2.315	0.524	0.541	0.917	0.624	0.477	3,528,657.765	Yes	0.987	2.114
	TOE_2786-TOE_2784	TOE_2786	TOE_2784	21.000	505.223	0.000	1,909,905.766	752,722.277	Pressurized	1.229	1.000	1.286	1.750	0.547	0.164	1,484,689.154	No	1.750	1.229
	TOE_2787-EVF4_46	TOE_2787	EVF4_46	21.000	494.801	0.000	1,909,905.766	752,722.277	Pressurized	1.229	1.000	1.350	1.750	0.534	0.164	1,414,443.287	No	1.750	1.229
	TOE_2788-TOE_2787	TOE_2788	TOE_2787	21.000	503.608	0.002	1,909,905.766	752,722.277	Free Surface	2.880	0.442	0.404	0.774	0.624	0.660	4,728,573.115	Yes	1.437	1.398
	TOE_2789-TOE_2791	TOE_2789	TOE_2791	24.000	498.890	0.001	2,295,434.228	936,914.047	Free Surface	2.327	0.489	0.481	0.978	0.660	0.469	4,769,872.434	Yes	0.987	2.298
	TOE_2790-TOE_2789	TOE_2790	TOE_2789	21.000	174.406	0.001	2,295,434.228	936,914.047	Free Surface	2.441	0.583	0.642	1.020	0.686	0.468	3,573,648.055	No	1.020	2.441
	TOE_2791-TOE_2792	TOE_2791	TOE_2792	24.000	177.562	0.001	2,295,434.228	936,914.047	Free Surface	2.270	0.498	0.497	0.997	0.660	0.452	4,616,077.651	No	0.997	2.270
	TOE_2792-TOE_2793	TOE_2792	TOE_2793	24.000	420.700	0.001	2,295,434.228	936,914.047	Free Surface	2.688	0.437	0.396	0.875	0.660	0.581	5,794,430.136	No	0.875	2.688
	TOE_2793-TOE_2794	TOE_2793	TOE_2794	24.000	381.015	0.002	2,295,434.228	936,914.047	Free Surface	2.977	0.405	0.345	0.810	0.660	0.673	6,659,926.961	Yes	0.867	2.721
	TOE_2794-TOE_2795	TOE_2794	TOE_2795	24.000	455.331	0.001	2,295,434.228	936,914.047	Free Surface	2.504	0.462	0.436	0.924	0.660	0.523	5,262,886.803	Yes	1.013	2.225
	TOE_2795-OTF1_60A	TOE_2795	OTF1_60A	24.000	214.510	0.001	2,295,434.228	936,914.047	Free Surface	2.002	0.551	0.587	1.102	0.660	0.374	3,909,765.156	No	1.102	2.002
	TOE_2798-TOE_2799	TOE_2798	TOE_2799	12.000	220.498	0.002	694,293.725	225,696.875	Free Surface	2.398	0.555	0.595	0.555	0.436	0.629	1,166,983.883	No	0.555	2.398
	TOE_2799-OTF1_108	TOE_2799	OTF1_108	16.000	33.367	0.002	694,293.725	225,696.875	Free Surface	2.384	0.359	0.276	0.478	0.400	0.708	2,519,550.956	No	0.478	2.384
	TOE_2800-TOE_2825	TOE_2800	TOE_2825	36.000	57.809	0.021	8,549,908.332	4,482,993.352	Free Surface	10.117	0.240	0.127	0.721	1.157	2.496	67,464,814.133	Yes	0.836	8.216
	TOE_2801-TOE_2612	TOE_2801	TOE_2612	18.000	141.337	0.016	1,074,330.451	379,477.297	Free Surface	5.458	0.229	0.115	0.343	0.485	1.956	9,366,308.345	No	0.343	5.458
	TOE_2802-TOE_2801	TOE_2802	TOE_2801	18.000	250.167	0.004	1,074,330.451	379,477.297	Free Surface	3.364	0.323	0.226	0.485	0.485	0.999	4,754,776.317	No	0.485	3.364
	TOE_2803-TOE_2802	TOE_2803	TOE_2802	18.000	194.718	0.004	1,074,330.451	379,477.297	Free Surface	3.176	0.337	0.245	0.505	0.485	0.921	4,389,857.843	No	0.505	3.176
	TOE_2804-TOE_2803	TOE_2804	TOE_2803	18.000	232.012	0.003	1,074,330.451	379,477.297	Free Surface	3.131	0.341	0.250	0.511	0.485	0.903	4,303,159.363	No	0.511	3.131
	TOE_2805-VPF1_718	TOE_2805	VPF1_718	18.000	261.376	0.010	1,325,402.121	487,251.177	Free Surface	4.827	0.290	0.183	0.435	0.540	1.523	7,240,963.795	No	0.435	4.827
	TOE_2806-TOE_2805	TOE_2806	TOE_2805	18.000	276.239	0.011	1,325,402.121	487,251.177	Free Surface	5.055	0.280	0.172	0.420	0.540	1.624	7,723,387.698	No	0.420	5.055
	TOE_2807-TOE_2806	TOE_2807	TOE_2806	18.000	443.273	0.004	1,325,402.121	487,251.177	Free Surface	3.647	0.355	0.270	0.533	0.540	1.027	4,903,668.343	No	0.533	3.647
	TOE_2808-TOE_2819	TOE_2808	TOE_2819	18.000	416.583	0.011	1,325,402.121	487,251.177	Free Surface	4.995	0.283	0.174	0.424	0.540	1.597	7,596,070.360	No	0.424	4.995
	TOE_2809-VRG2_526	TOE_2809	VRG2_526	10.000	56.047	0.036	593,284.015	187,225.850	Free Surface	6.497	0.306	0.203	0.255	0.425	2.669	2,920,079.797	No	0.255	6.497
	TOE_2817-TOE_2818	TOE_2817	TOE_2818	15.000	417.201	0.026	1,703,330.127	656,832.713	Free Surface	7.542	0.327	0.232	0.409	0.651	2.435	7,350,359.292	Yes	0.534	5.273
	TOE_2818-TOE_2758	TOE_2818	TOE_2758	18.000	341.416	0.003	1,703,330.127	656,832.713	Free Surface	3.534	0.439	0.398	0.658	0.615	0.880	4,279,919.147	Yes	0.728	3.100
	TOE_2819-TOE_2807	TOE_2819	TOE_2807	18.000	434.564	0.006	1,325,402.121	487,251.177	Free Surface	4.129	0.324	0.228	0.487	0.540	1.223	5,823,534.025	No	0.487	4.129
	TOE_2825-TOE_2826	TOE_2825	TOE_2826	36.000	165.860	0.005	10,027,614.339	5,419,907.399	Free Surface	6.212	0.384	0.312	1.151	1.257	1.183	32,111,628.908	Yes	1.221	5.740
	TOE_2826-TOE_2827	TOE_2826	TOE_2827	36.000	118.558	0.002	10,027,614.339	5,419,907.399	Free Surface	4.173	0.520	0.535	1.561	1.257	0.660	18,745,463.271	No	1.561	4.173
	TOE_2827-TOE_2828	TOE_2827	TOE_2828	36.000	294.232	0.003	10,027,614.339	5,419,907.399	Free Surface	5.350	0.429	0.383	1.288	1.257	0.954	26,183,894.176	Yes	1.316	5.202
	TOE_2828-TOE_2921	TOE_2828	TOE_2921	36.000	166.924	0.001	10,027,614.339	5,419,907.399	Free Surface	4.067	0.531	0.553	1.594	1.257	0.635	18,121,603.712	No	1.594	4.067
	TOE_2829-TOE_2830	TOE_2829	TOE_2830	36.000	96.097	0.003	10,027,614.339	5,419,907.399	Free Surface	5.281	0.434	0.390	1.301	1.257	0.936	25,723,528.003	Yes	1.369	4.937
	TOE_2830-TOE_2831	TOE_2830	TOE_2831	36.000	278.883	0.002	10,027,614.339	5,419,907.399	Free Surface	4.252	0.513	0.522	1.538	1.257	0.679	1			

FULL BUILDOUT PIPE TABLE

	ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (gpd)	Peakable Flow (gpd)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth	Critical Depth	Froude Number	Full Flow (gpd)	Backwater Adjustment	Adjusted Depth (ft)	Adjusted Velocity
	TOE_2837-TOE_2839	TOE_2837	TOE_2839	36.000	242.437	0.001	10,027,614.339	5,419,907.399	Free Surface	3.351	0.623	0.711	1.869	1.257	0.468	14,105,792.535	No	1.869	3.351
	TOE_2838-TOE_2840	TOE_2838	TOE_2840	36.000	279.046	0.002	10,027,614.339	5,419,907.399	Free Surface	4.075	0.530	0.552	1.591	1.257	0.637	18,166,539.006	No	1.591	4.075
	TOE_2839-TOE_2838	TOE_2839	TOE_2838	36.000	223.808	0.002	10,027,614.339	5,419,907.399	Free Surface	4.134	0.524	0.542	1.573	1.257	0.651	18,517,468.952	No	1.573	4.134
	TOE_2840-TOE_2841	TOE_2840	TOE_2841	36.000	262.834	0.002	10,027,614.339	5,419,907.399	Free Surface	4.611	0.481	0.468	1.443	1.257	0.767	21,420,316.629	No	1.443	4.611
	TOE_2841-TOE_2843	TOE_2841	TOE_2843	36.000	36.626	0.004	10,027,614.339	5,419,907.399	Free Surface	5.605	0.414	0.359	1.243	1.257	1.021	27,897,440.007	No	1.243	5.605
	TOE_2842-TOE_2844	TOE_2842	TOE_2844	36.000	444.636	0.003	10,027,614.339	5,419,907.399	Free Surface	5.205	0.438	0.398	1.315	1.257	0.917	25,221,921.417	No	1.315	5.205
	TOE_2843-TOE_2842	TOE_2843	TOE_2842	36.000	93.563	0.006	10,027,614.339	5,419,907.399	Free Surface	6.780	0.360	0.277	1.079	1.257	1.340	36,226,643.146	Yes	1.097	6.630
	TOE_2844-TOE_2845	TOE_2844	TOE_2845	36.000	17.372	0.020	10,027,614.339	5,419,907.399	Free Surface	10.373	0.264	0.153	0.793	1.257	2.431	65,508,663.780	Yes	1.345	5.054
	TOE_2845-TOE_2846	TOE_2845	TOE_2846	36.000	184.327	0.002	10,027,614.339	5,419,907.399	Free Surface	4.350	0.504	0.506	1.511	1.257	0.703	19,812,880.516	No	1.511	4.350
	TOE_2846-TOE_2847	TOE_2846	TOE_2847	36.000	229.186	0.002	10,027,614.339	5,419,907.399	Free Surface	4.613	0.481	0.468	1.443	1.257	0.767	21,429,504.184	No	1.443	4.613
	TOE_2847-TOE_2848	TOE_2847	TOE_2848	36.000	80.877	0.004	10,027,614.339	5,419,907.399	Free Surface	6.089	0.390	0.321	1.169	1.257	1.150	31,240,984.972	No	1.169	6.089
	TOE_2848-TOE_2849	TOE_2848	TOE_2849	36.000	459.682	0.005	10,027,614.339	5,419,907.399	Free Surface	6.272	0.381	0.308	1.143	1.257	1.200	32,541,157.345	No	1.143	6.272
	TOE_2849-TOE_2920	TOE_2849	TOE_2920	36.000	343.100	0.010	10,027,614.339	5,419,907.399	Free Surface	8.115	0.315	0.216	0.946	1.257	1.727	46,476,512.118	No	0.946	8.115
	TOE_2850-TOE_2851	TOE_2850	TOE_2851	36.000	249.280	0.009	10,027,614.339	5,419,907.399	Free Surface	7.851	0.323	0.226	0.969	1.257	1.649	44,388,011.310	Yes	0.991	7.620
	TOE_2851-TOE_2853	TOE_2851	TOE_2853	36.000	20.430	0.004	10,027,614.339	5,419,907.399	Free Surface	6.066	0.391	0.323	1.172	1.257	1.144	31,079,112.582	No	1.172	6.066
	TOE_2852-TOE_2860	TOE_2852	TOE_2860	36.000	359.537	0.002	10,225,395.611	5,547,407.831	Free Surface	4.283	0.518	0.530	1.553	1.270	0.680	19,287,627.371	No	1.553	4.283
	TOE_2853-TOE_2852	TOE_2853	TOE_2852	36.000	60.002	0.004	10,225,395.611	5,547,407.831	Free Surface	5.886	0.405	0.345	1.216	1.270	1.086	29,614,860.035	Yes	1.335	5.206
	TOE_2854-TOE_2853	TOE_2854	TOE_2853	12.000	398.579	0.004	429,452.694	127,500.432	Free Surface	2.623	0.359	0.275	0.359	0.340	0.900	1,559,749.936	No	0.359	2.623
	TOE_2855-TOE_2854	TOE_2855	TOE_2854	12.000	386.083	0.002	429,452.694	127,500.432	Free Surface	2.047	0.432	0.387	0.432	0.340	0.630	1,109,717.588	No	0.432	2.047
	TOE_2856-TOE_2855	TOE_2856	TOE_2855	12.000	226.541	0.003	429,452.694	127,500.432	Free Surface	2.336	0.391	0.323	0.391	0.340	0.763	1,329,421.551	No	0.391	2.336
	TOE_2857-TOE_2856	TOE_2857	TOE_2856	12.000	76.848	0.003	429,452.694	127,500.432	Free Surface	2.385	0.385	0.314	0.385	0.340	0.786	1,368,340.727	No	0.385	2.385
	TOE_2858-TOE_2857	TOE_2858	TOE_2857	12.000	348.353	0.011	429,452.694	127,500.432	Free Surface	3.749	0.277	0.168	0.277	0.340	1.485	2,563,756.376	No	0.277	3.749
	TOE_2859-TOE_2858	TOE_2859	TOE_2858	12.000	396.442	0.004	429,452.694	127,500.432	Free Surface	2.758	0.346	0.257	0.346	0.340	0.966	1,671,256.976	No	0.346	2.758
	TOE_2860-TOE_2861	TOE_2860	TOE_2861	36.000	403.356	0.002	10,225,395.611	5,547,407.831	Free Surface	4.101	0.536	0.562	1.608	1.270	0.637	18,209,827.948	No	1.608	4.101
	TOE_2861-TOE_2862	TOE_2861	TOE_2862	36.000	62.240	0.006	10,225,395.611	5,547,407.831	Free Surface	6.931	0.359	0.276	1.077	1.270	1.372	37,066,579.448	Yes	1.503	4.465
	TOE_2862-TOE_2863	TOE_2862	TOE_2863	36.000	159.775	0.001	10,225,395.611	5,547,407.831	Free Surface	3.663	0.588	0.651	1.763	1.270	0.534	15,716,935.916	No	1.763	3.663
	TOE_2863-TOE_2864	TOE_2863	TOE_2864	36.000	205.062	0.002	10,225,395.611	5,547,407.831	Free Surface	4.794	0.474	0.456	1.422	1.270	0.805	22,417,712.211	No	1.422	4.794
	TOE_2864-TOE_2865	TOE_2864	TOE_2865	36.000	114.615	0.003	10,225,395.611	5,547,407.831	Free Surface	5.387	0.433	0.390	1.300	1.270	0.955	26,243,125.882	Yes	1.379	4.989
	TOE_2865-TOE_2866	TOE_2865	TOE_2866	36.000	284.715	0.002	10,225,395.611	5,547,407.831	Free Surface	4.135	0.532	0.555	1.597	1.270	0.645	18,407,998.604	No	1.597	4.135
	TOE_2866-TOE_2867	TOE_2866	TOE_2867	36.000	270.608	0.002	10,225,395.611	5,547,407.831	Free Surface	4.142	0.532	0.554	1.595	1.270	0.646	18,447,596.010	No	1.595	4.142
	TOE_2867-TOE_2868	TOE_2867	TOE_2868	36.000	370.460	0.003	10,270,275.327	5,576,407.980	Free Surface	5.404	0.434	0.390	1.302	1.273	0.958	26,315,252.924	Yes	1.341	5.195
	TOE_2868-TOE_2869	TOE_2868	TOE_2869	36.000	408.607	0.002	10,270,275.327	5,576,407.980	Free Surface	4.417	0.507	0.512	1.521	1.273	0.711	20,061,486.848	No	1.521	4.417
	TOE_2869-TOE_2870	TOE_2869	TOE_2870	36.000	396.171	0.002	10,270,275.327	5,576,407.980	Free Surface	4.234	0.524	0.541	1.573	1.273	0.667	18,967,088.030	No	1.573	4.234
	TOE_2870-TOE_2871	TOE_2870	TOE_2871	36.000	396.576	0.002	10,270,275.327	5,576,407.980	Free Surface	4.305	0.517	0.530	1.552	1.273	0.684	19,389,949.386	No	1.552	4.305
	TOE_2871-TOE_2872	TOE_2871	TOE_2872	36.000	400.375	0.002	10,270,275.327	5,576,407.980	Free Surface	4.117	0.536	0.562	1.609	1.273	0.639	18,277,493.798	No	1.609	4.117
	TOE_2872-TOE_2873	TOE_2872	TOE_2873	36.000	381.197	0.002	10,270,275.327	5,576,407.980	Free Surface	4.533	0.497	0.494	1.490	1.273	0.739	20,770,239.554	Yes	1.557	4.288
	TOE_2873-TOE_2874	TOE_2873	TOE_2874	36.000	56.391	0.001	10,270,275.327	5,576,407.980	Free Surface	3.807	0.571	0.623	1.714	1.273	0.566	16,497,998.692	No	1.714	3.807
	TOE_2874-TOE_2875	TOE_2874	TOE_2875	36.000	68.032	0.002	10,270,275.327	5,576,407.980	Free Surface	4.484	0.501	0.502	1.503	1.273	0.727	20,469,178.536	No	1.503	4.484
	TOE_2875-TOE_2876	TOE_2875	TOE_2876	36.000	48.547	0.002	10,270,275.327	5,576,407.980	Free Surface	4.779	0.477	0.461	1.430	1.273	0.800	22,289,471.205	No	1.430	4.779
	TOE_2876-TOE_2877	TOE_2876	TOE_2877	36.000	329.140	0.002	10,270,275.327	5,576,407.980	Free Surface	4.540	0.496	0.494	1.489	1.273	0.741	20,809,040.903	Yes	1.498	4.504
	TOE_2877-TOE_2878	TOE_2877	TOE_2878	36.000	307.671	0.002	10,270,275.327	5,576,407.980	Free Surface	4.121	0.536	0.561	1.607	1.273	0.640	18,301,672.579	No	1.607	4.121
	TOE_2878-TOE_2879	TOE_2878	TOE_2879	36.000	361.008	0.002	10,270,275.327	5,576,407.980	Free Surface	4.282	0.520	0.534	1.559	1.273	0.678	19,248,269.871	No	1.559	4.282
	TOE_2879-TOE_2880	TOE_2879	TOE_2880	36.000	33.270	0.002	10,270,275.327	5,576,407.980	Free Surface	4.095	0.538	0.566	1.615	1.273	0.634	18,152,727.646	No	1.615	4.095
	TOE_2880-TOE_2881	TOE_2880	TOE_2881	36.000	195.334	0.003	10,270,275.327	5,576,407.980	Free Surface	5.282	0.441	0.403	1.324	1.273	0.926	25,515,851.106	Yes	1.423	4.808
	TOE_2881-TOE_2882	TOE_2881	TOE_2882	36.000	209.365	0.001	10,270,275.327	5,576,407.980	Free Surface	4.072	0.541	0.570	1.623	1.273	0.628	18,018,305.840	No	1.623	4.072
	TOE_2882-TOE_2883	TOE_2882	TOE_2883	36.000	151.038	0.002	10,382,329.450	5,648,907.633	Free Surface	4.260	0.526	0.545	1.579	1.280	0.669	19,050,775.400	No	1.579	4.260
	TOE_2883-TOE_2884	TOE_2883	TOE_2884	36.000	399.934	0.002	10,382,329.450	5,648,907.633	Free Surface	4.397	0.513	0.523	1.540	1.280	0.702	19,868,163.099	No	1.540	4.397
	TOE_2884-TOE_2885	TOE_2884	TOE_2885	36.000	386.814	0.002	10,382,329.450	5,648,907.633	Free Surface	4.333	0.519	0.533	1.558	1.280	0.687	19,488,193.635	No	1.558	4.333
	TOE_2885-TOE_2886	TOE_2885	TOE_2886	36.000	336.538	0.002	10,382,329.450	5,648,907.633	Free Surface	4.810	0.478	0.464	1.435	1.280	0.803	22,398,228.728	Yes	1.438	4.797
	TOE_2886-TOE_2887	TOE_2886	TOE_2887	36.000	202.207	0.002	11,297,666.428	6,246,655.728	Free Surface	4.780	0.514	0.523	1.541	1.338	0.763	21,593,423.325	No	1.541	4.780
	TOE_2887-TOE_2888	TOE_2887	TOE_2888	36.000	396.382	0.003	11,297,666.428	6,246,655.728	Free Surface	5.245	0.478	0.462	1.433	1.338	0.876	24,442,188.395	Yes	1.582	4.626
	TOE_2888-TOE_2889	TOE_2888	TOE_2889	36.000	530.806	0.001	11,297,666.428	6,246,655.728	Free Surface	3.772	0.623	0.712	1.870	1.338	0.527	15,873,859.216	No	1.870	3.772
	TOE_2889-TOE_2890	TOE_2889</																	

FULL BUILDOUT PIPE TABLE

	ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (gpd)	Peakable Flow (gpd)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth	Critical Depth	Froude Number	Full Flow (gpd)	Backwater Adjustment	Adjusted Depth (ft)	Adjusted Velocity
	TOE_2896-TOE_2897	TOE_2896	TOE_2897	36.000	403.174	0.002	11,366,341.682	6,291,891.871	Free Surface	4.205	0.572	0.624	1.717	1.342	0.624	18,213,943.362	No	1.717	4.205
	TOE_2897-TOE_2898	TOE_2897	TOE_2898	36.000	409.240	0.005	11,366,341.682	6,291,891.871	Free Surface	6.599	0.403	0.341	1.208	1.342	1.222	33,302,844.467	Yes	1.387	5.501
	TOE_2898-TOE_2899	TOE_2898	TOE_2899	36.000	347.870	0.002	11,366,341.682	6,291,891.871	Free Surface	4.394	0.552	0.589	1.656	1.342	0.669	19,284,262.044	No	1.656	4.394
	TOE_2899-TOE_2900	TOE_2899	TOE_2900	36.000	334.864	0.002	11,366,341.682	6,291,891.871	Free Surface	4.930	0.504	0.506	1.511	1.342	0.797	22,454,145.401	No	1.511	4.930
	TOE_2900-TOE_2901	TOE_2900	TOE_2901	36.000	38.258	0.003	11,366,341.682	6,291,891.871	Free Surface	5.535	0.460	0.433	1.381	1.342	0.946	26,224,849.365	Yes	1.397	5.451
	TOE_2901-TOE_2902	TOE_2901	TOE_2902	36.000	295.270	0.002	11,366,341.682	6,291,891.871	Free Surface	4.960	0.501	0.502	1.504	1.342	0.804	22,636,020.216	No	1.504	4.960
	TOE_2902-TOE_2903	TOE_2902	TOE_2903	36.000	388.341	0.002	11,366,341.682	6,291,891.871	Free Surface	4.708	0.522	0.538	1.567	1.342	0.743	21,119,930.531	No	1.567	4.708
	TOE_2903-TOE_2904	TOE_2903	TOE_2904	36.000	413.543	0.002	11,366,341.682	6,291,891.871	Free Surface	4.438	0.548	0.582	1.643	1.342	0.679	19,538,514.789	Yes	1.953	3.609
	TOE_2904-TOE_2951	TOE_2904	TOE_2951	36.000	71.017	0.002	17,535,370.237	10,542,430.430	Free Surface	4.775	0.749	0.911	2.248	1.684	0.569	19,248,349.176	Yes	2.374	4.523
	TOE_2905-TOE_2906	TOE_2905	TOE_2906	30.000	394.000	0.001	8,103,185.591	4,205,550.096	Free Surface	3.584	0.670	0.790	1.676	1.189	0.518	10,258,167.458	No	1.676	3.584
	TOE_2906-TOE_2736	TOE_2906	TOE_2736	30.000	373.680	0.002	8,103,185.591	4,205,550.096	Free Surface	4.404	0.563	0.608	1.407	1.189	0.724	13,323,799.684	No	1.407	4.404
	TOE_2914-TOE_2769	TOE_2914	TOE_2769	18.000	286.272	0.002	1,703,330.127	656,832.713	Free Surface	2.999	0.498	0.496	0.747	0.615	0.691	3,431,902.076	No	0.747	2.999
	TOE_2915-TOE_2977	TOE_2915	TOE_2977	8.000	33.639	0.014	213,269.634	55,624.299	Free Surface	3.504	0.315	0.215	0.210	0.266	1.583	992,018.765	No	0.210	3.504
	TOE_2916-TOE_2915	TOE_2916	TOE_2915	8.000	94.519	0.030	213,269.634	55,624.299	Free Surface	4.619	0.258	0.146	0.172	0.266	2.327	1,460,098.057	No	0.172	4.619
	TOE_2917-TOE_2916	TOE_2917	TOE_2916	8.000	398.787	0.034	213,269.634	55,624.299	Free Surface	4.831	0.250	0.137	0.167	0.266	2.475	1,555,054.568	No	0.167	4.831
	TOE_2920-TOE_2850	TOE_2920	TOE_2850	36.000	73.831	0.009	10,027,614.339	5,419,907.399	Free Surface	7.921	0.321	0.223	0.963	1.257	1.669	44,938,739.234	Yes	0.966	7.886
	TOE_2921-TOE_2829	TOE_2921	TOE_2829	36.000	174.848	0.003	10,027,614.339	5,419,907.399	Free Surface	5.570	0.416	0.363	1.249	1.257	1.011	27,657,927.613	No	1.249	5.570
	TOE_2941-TOE_2942	TOE_2941	TOE_2942	12.000	359.851	0.010	438,630.099	130,749.071	Free Surface	3.695	0.284	0.176	0.284	0.343	1.443	2,491,257.696	No	0.284	3.695
	TOE_2942-TOE_2943	TOE_2942	TOE_2943	12.000	401.258	0.023	438,630.099	130,749.071	Free Surface	4.989	0.229	0.116	0.229	0.343	2.186	3,797,565.592	No	0.229	4.989
	TOE_2943-TOE_2944	TOE_2943	TOE_2944	12.000	199.566	0.022	438,630.099	130,749.071	Free Surface	4.879	0.233	0.119	0.233	0.343	2.120	3,679,975.286	No	0.233	4.879
	TOE_2944-TOE_2945	TOE_2944	TOE_2945	15.000	219.323	0.003	952,404.278	328,808.036	Free Surface	2.774	0.447	0.412	0.559	0.480	0.748	2,311,912.994	Yes	0.598	2.542
	TOE_2945-TOE_2946	TOE_2945	TOE_2946	15.000	379.787	0.001	952,404.278	328,808.036	Free Surface	2.214	0.533	0.557	0.667	0.480	0.534	1,710,026.283	No	0.667	2.214
	TOE_2946-TOE_2947	TOE_2946	TOE_2947	15.000	248.186	0.002	952,404.278	328,808.036	Free Surface	2.446	0.493	0.488	0.616	0.480	0.621	1,952,390.266	Yes	0.633	2.363
	TOE_2947-TOE_2948	TOE_2947	TOE_2948	15.000	228.183	0.002	952,404.278	328,808.036	Free Surface	2.350	0.509	0.515	0.636	0.480	0.585	1,850,658.630	Yes	0.899	1.559
	TOE_2948-TOE_2949	TOE_2948	TOE_2949	18.000	340.001	0.001	2,324,530.602	951,051.962	Free Surface	2.455	0.773	0.943	1.159	0.724	0.401	2,465,361.598	No	1.159	2.455
	TOE_2949-VPF1_1	TOE_2949	VPF1_1	18.000	305.002	0.001	2,324,530.602	951,051.962	Free Surface	2.742	0.695	0.830	1.043	0.724	0.496	2,800,940.995	No	1.043	2.742
	TOE_2950-WWTP1	TOE_2950	WWTP1	36.000	82.011	0.002	17,535,370.237	10,542,430.430	Free Surface	4.640	0.771	0.941	2.313	1.684	0.537	18,643,236.672	No	2.313	4.640
	TOE_2951-TOE_2950	TOE_2951	TOE_2950	36.000	215.000	0.001	17,535,370.237	10,542,430.430	Free Surface	4.505	0.794	0.971	2.383	1.684	0.504	18,065,131.090	No	2.383	4.505
	TOE_2960-TOE_2748	TOE_2960	TOE_2748	12.000	375.067	0.016	1,629,352.103	623,027.285	Free Surface	6.321	0.506	0.510	0.506	0.680	1.764	3,192,365.157	No	0.506	6.321
	TOE_2962-TOE_2960	TOE_2962	TOE_2960	12.000	141.655	0.002	974,143.245	337,750.433	Free Surface	2.214	0.809	0.988	0.809	0.520	0.419	985,693.500	No	0.809	2.214
	TOE_2964-TOE_2960	TOE_2964	TOE_2960	12.000	14.142	0.021	626,383.849	199,653.045	Free Surface	5.367	0.281	0.172	0.281	0.413	2.110	3,642,905.269	Yes	0.423	3.063
	TOE_2965-TOE_2964	TOE_2965	TOE_2964	12.000	260.000	0.004	573,681.088	179,866.012	Free Surface	2.927	0.410	0.353	0.410	0.395	0.929	1,626,880.922	No	0.410	2.927
	TOE_2966-TOE_2965	TOE_2966	TOE_2965	12.000	274.110	0.026	573,681.088	179,866.012	Free Surface	5.648	0.254	0.142	0.254	0.395	2.343	4,053,687.141	Yes	0.282	4.879
	TOE_2967-TOE_2966	TOE_2967	TOE_2966	12.000	400.000	0.005	573,681.088	179,866.012	Free Surface	2.994	0.403	0.342	0.403	0.395	0.960	1,677,847.751	No	0.403	2.994
	TOE_2968-TOE_2969	TOE_2968	TOE_2969	12.000	29.106	0.017	573,681.088	179,866.012	Free Surface	4.854	0.283	0.175	0.283	0.395	1.899	3,278,251.079	No	0.283	4.854
	TOE_2969-TOE_2967	TOE_2969	TOE_2967	12.000	121.875	0.007	573,681.088	179,866.012	Free Surface	3.435	0.364	0.283	0.364	0.395	1.168	2,026,442.109	No	0.364	3.435
	TOE_2970-TOE_2971	TOE_2970	TOE_2971	12.000	280.000	0.004	573,681.088	179,866.012	Free Surface	2.750	0.430	0.384	0.430	0.395	0.849	1,494,744.776	No	0.430	2.750
	TOE_2971-TOE_2972	TOE_2971	TOE_2972	12.000	245.041	0.004	573,681.088	179,866.012	Free Surface	2.991	0.403	0.342	0.403	0.395	0.958	1,675,804.058	No	0.403	2.991
	TOE_2972-TOE_2968	TOE_2972	TOE_2968	12.000	140.000	0.006	573,681.088	179,866.012	Free Surface	3.266	0.378	0.303	0.378	0.395	1.087	1,890,719.351	No	0.378	3.266
	TOE_2973-FMF4_4_4	TOE_2973	FMF4_4_4	12.000	88.704	0.003	431,189.730	128,115.312	Free Surface	2.497	0.373	0.296	0.373	0.340	0.837	1,454,573.210	No	0.373	2.497
	TOE_2977-TOE_2733	TOE_2977	TOE_2733	8.000	117.630	0.033	255,520.276	68,873.734	Free Surface	5.037	0.276	0.167	0.184	0.293	2.446	1,532,743.993	Yes	0.255	3.220
	TOE_2978-TOE_2581	TOE_2978	TOE_2581	18.000	246.826	0.006	1,421,643.166	529,672.121	Free Surface	4.121	0.342	0.252	0.513	0.560	1.186	5,652,198.509	No	0.513	4.121
	TOE_2979-TOE_2582	TOE_2979	TOE_2582	18.000	266.276	0.005	1,421,643.166	529,672.121	Free Surface	3.755	0.366	0.286	0.549	0.560	1.039	4,971,130.152	No	0.549	3.755
	TOE_2980-TOE_2583	TOE_2980	TOE_2583	18.000	370.537	0.004	1,421,643.166	529,672.121	Free Surface	3.652	0.374	0.297	0.560	0.560	0.999	4,784,926.938	No	0.560	3.652
	TOE_2981-CHF3C_8	TOE_2981	CHF3C_8	18.000	183.500	0.009	1,355,387.386	500,421.412	Free Surface	4.742	0.298	0.194	0.447	0.547	1.472	7,001,296.122	No	0.447	4.742
	TOE_2982-TOE_2983	TOE_2982	TOE_2983	18.000	41.744	0.020	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	10,460,971.448	Yes	0.064	0.000
	TOE_2983-TOE_2576	TOE_2983	TOE_2576	18.000	147.819	0.030	1,355,387.386	500,421.412	Free Surface	7.314	0.219	0.105	0.329	0.547	2.682	12,866,766.566	Yes	0.361	6.399
	TOE_2984-TOE_2629	TOE_2984	TOE_2629	15.000	239.270	0.010	968,433.703	335,401.794	Free Surface	4.600	0.311	0.210	0.389	0.485	1.528	4,607,657.122	No	0.389	4.600
	TOE_2985-CFF1_31	TOE_2985	CFF1_31	12.000	328.016	0.007	433,406.789	128,900.111	Free Surface	3.237	0.310	0.208	0.310	0.341	1.205	2,080,710.568	No	0.310	3.237
	TOE_2986-TOE_2985	TOE_2986	TOE_2985	12.000	26.296	0.009	433,406.789	128,900.111	Free Surface	3.575	0.288	0.181	0.288	0.341	1.384	2,389,490.090	No	0.288	3.575
	TOE_2987-TOE_2991	TOE_2987	TOE_2991	12.000	403.065	0.004	324,683.336	91,399.646	Free Surface	2.524	0.301	0.197	0.301	0.294	0.955	1,648,076.623	No	0.301	2.524
	TOE_2988-TOE_2987	TOE_2988	TOE_2987	12.000	399.995	0.005	324,683.336	91,399.646	Free Surface	2.616	0.293	0.187	0.293	0.294	1.004	1,732,883.867	No	0.293	2.616
	TOE_2989-TOE_2988	TOE_2989	TOE_2988	12.000	398.629	0.005	324,683.336	91,399.646	Free Surface	2.639	0.291	0.185	0.291	0.294	1.016	1,753,840.209	No	0.291	2.639
	TOE_2990-CCF6_																		

FULL BUILDOUT PIPE TABLE

	ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (gpd)	Peakable Flow (gpd)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth	Critical Depth	Froude Number	Full Flow (gpd)	Backwater Adjustment	Adjusted Depth (ft)	Adjusted Velocity
	TOE_3005-TOE_2800	TOE_3005	TOE_2800	36.000	9.211	0.018	8,549,908.332	4,482,993.352	Free Surface	9.703	0.248	0.134	0.743	1.157	2.357	63,615,880.152	No	0.743	9.703
	VPF1_103-VPF1_15A	VPF1_103	VPF1_15A	21.000	270.656	0.005	3,857,722.921	1,738,219.026	Free Surface	5.099	0.490	0.482	0.857	0.900	1.099	8,000,391.679	No	0.857	5.099
	VPF1_11-VPF1_12	VPF1_11	VPF1_12	21.000	383.454	0.009	1,943,821.023	768,667.391	Free Surface	5.151	0.292	0.186	0.511	0.629	1.498	10,474,621.665	No	0.511	5.151
	VPF1_126-VPF1_127	VPF1_126	VPF1_127	8.000	217.056	0.021	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,220,115.230	No	0.000	0.000
	VPF1_127-VPF1_128	VPF1_127	VPF1_128	8.000	198.724	0.022	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,256,557.008	No	0.000	0.000
	VPF1_128-VPF1_129	VPF1_128	VPF1_129	8.000	186.503	0.004	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	565,925.610	No	0.000	0.000
	VPF1_129-VPF1_130	VPF1_129	VPF1_130	8.000	116.246	0.011	83,998.048	20,999.512	Free Surface	2.481	0.208	0.094	0.138	0.165	1.404	890,184.725	No	0.138	2.481
	VPF1_12-VPF1_13	VPF1_12	VPF1_13	21.000	277.540	0.005	1,943,821.023	768,667.391	Free Surface	4.311	0.332	0.238	0.581	0.629	1.168	8,177,844.604	No	0.581	4.311
	VPF1_130-ECF21_131	VPF1_130	ECF21_131	8.000	243.303	0.043	83,998.048	20,999.512	Free Surface	4.000	0.149	0.048	0.099	0.165	2.694	1,753,907.078	No	0.099	4.000
	VPF1_13-VPF1_14	VPF1_13	VPF1_14	21.000	378.543	0.011	1,943,821.023	768,667.391	Free Surface	5.532	0.277	0.168	0.485	0.629	1.655	11,576,833.934	Yes	0.595	4.169
	VPF1_14-VPF1_15	VPF1_14	VPF1_15	21.000	183.524	0.001	1,943,821.023	768,667.391	Free Surface	2.396	0.517	0.529	0.905	0.629	0.498	3,672,178.088	No	0.905	2.396
	VPF1_15A-VPF1_16	VPF1_15A	VPF1_16	21.000	277.576	0.004	3,933,550.710	1,778,969.570	Free Surface	4.790	0.522	0.538	0.914	0.909	0.990	7,314,011.896	No	0.914	4.790
	VPF1_15-VPF1_58	VPF1_15	VPF1_58	21.000	302.374	0.001	1,943,821.023	768,667.391	Free Surface	2.576	0.488	0.480	0.855	0.629	0.556	4,045,882.904	No	0.855	2.576
	VPF1_16-VPF1_17	VPF1_16	VPF1_17	24.000	519.762	0.022	3,933,550.710	1,778,969.570	Free Surface	8.636	0.276	0.166	0.551	0.873	2.424	23,675,095.698	Yes	0.734	5.824
	VPF1_17-VPF1_18A	VPF1_17	VPF1_18A	24.000	516.132	0.002	3,933,550.710	1,778,969.570	Free Surface	3.376	0.558	0.600	1.116	0.873	0.624	6,557,887.935	No	1.116	3.376
	VPF1_18A-VPF1_19A	VPF1_18A	VPF1_19A	24.000	342.998	0.002	3,933,550.710	1,778,969.570	Free Surface	3.747	0.513	0.523	1.027	0.873	0.733	7,524,934.513	No	1.027	3.747
	VPF1_19A-VPF1_20A	VPF1_19A	VPF1_20A	24.000	471.360	0.002	3,933,550.710	1,778,969.570	Free Surface	3.723	0.516	0.527	1.032	0.873	0.725	7,460,076.687	No	1.032	3.723
	VPF1_1-VPF1_58	VPF1_1	VPF1_58	18.000	426.455	0.002	2,324,530.602	951,051.962	Free Surface	3.081	0.628	0.719	0.941	0.724	0.605	3,233,695.771	Yes	1.120	2.542
	VPF1_20A-VPF1_21A	VPF1_20A	VPF1_21A	24.000	393.842	0.002	3,933,550.710	1,778,969.570	Free Surface	3.626	0.527	0.546	1.054	0.873	0.697	7,202,514.822	No	1.054	3.626
	VPF1_21A-ECF21_22A	VPF1_21A	ECF21_22A	24.000	92.771	0.005	3,933,550.710	1,778,969.570	Free Surface	4.945	0.415	0.360	0.829	0.873	1.103	10,937,602.961	No	0.829	4.945
	VPF1_32A-VPF1_11	VPF1_32A	VPF1_11	21.000	126.479	0.016	1,943,821.023	768,667.391	Free Surface	6.331	0.252	0.139	0.441	0.629	1.995	13,988,184.722	No	0.441	6.331
	VPF1_58-VPF1_103	VPF1_58	VPF1_103	21.000	477.078	0.002	3,857,722.921	1,738,219.026	Free Surface	3.602	0.651	0.757	1.139	0.900	0.637	5,092,850.578	No	1.139	3.602
	VPF1_718-VPF1_7	VPF1_718	VPF1_7	18.000	341.600	0.011	1,909,789.377	752,667.557	Free Surface	5.557	0.341	0.250	0.511	0.653	1.601	7,633,266.557	No	0.511	5.557
	VPF1_7-VPF1_8	VPF1_7	VPF1_8	18.000	284.327	0.012	1,909,789.377	752,667.557	Free Surface	5.719	0.334	0.240	0.501	0.653	1.668	7,944,680.409	No	0.501	5.719
	VPF1_8-VPFE_10A	VPF1_8	VPFE_10A	18.000	430.730	0.005	1,909,789.377	752,667.557	Free Surface	4.068	0.430	0.384	0.645	0.653	1.025	4,974,554.461	No	0.645	4.068
	VPFE_10A-VPF1_32A	VPFE_10A	VPF1_32A	18.000	393.415	0.007	1,909,789.377	752,667.557	Free Surface	4.853	0.377	0.302	0.565	0.653	1.321	6,331,436.904	No	0.565	4.853
	VPFE_717-VPF1_718	VPFE_717	VPF1_718	10.000	222.961	0.026	630,506.946	201,201.044	Free Surface	5.862	0.344	0.255	0.287	0.438	2.254	2,472,239.579	No	0.287	5.862
	VRF1D_702-VRF1D_703	VRF1D_702	VRF1D_703	10.000	264.156	0.036	524,492.316	161,700.419	Free Surface	6.257	0.287	0.180	0.240	0.398	2.659	2,909,236.636	No	0.240	6.257
	VRF1D_703-VRF1D_704	VRF1D_703	VRF1D_704	10.000	273.597	0.022	524,492.316	161,700.419	Free Surface	5.293	0.324	0.228	0.270	0.398	2.104	2,304,210.739	No	0.270	5.293
	VRF1D_704-VRF1D_705	VRF1D_704	VRF1D_705	10.000	119.786	0.022	524,492.316	161,700.419	Free Surface	5.244	0.327	0.231	0.272	0.398	2.077	2,274,792.718	No	0.272	5.244
	VRF1D_705-VRF1D_707	VRF1D_705	VRF1D_707	10.000	128.235	0.023	524,492.316	161,700.419	Free Surface	5.327	0.323	0.226	0.269	0.398	2.123	2,325,003.942	No	0.269	5.327
	VRF1D_707-VRF1D_708	VRF1D_707	VRF1D_708	10.000	101.257	0.019	524,492.316	161,700.419	Free Surface	4.963	0.340	0.249	0.283	0.398	1.922	2,106,963.549	No	0.283	4.963
	VRF1D_708-VRF1D_709	VRF1D_708	VRF1D_709	10.000	114.157	0.009	524,492.316	161,700.419	Free Surface	3.830	0.412	0.356	0.343	0.398	1.328	1,475,150.080	No	0.343	3.830
	VRF1D_709-VRF1D_710	VRF1D_709	VRF1D_710	10.000	81.755	0.005	524,492.316	161,700.419	Free Surface	3.033	0.493	0.487	0.411	0.398	0.943	1,075,888.658	No	0.411	3.033
	VRF1D_710-VRF1D_711	VRF1D_710	VRF1D_711	10.000	135.900	0.005	524,492.316	161,700.419	Free Surface	3.041	0.492	0.486	0.410	0.398	0.947	1,079,993.881	No	0.410	3.041
	VRF1D_711-VRF1D_712	VRF1D_711	VRF1D_712	10.000	117.552	0.005	524,492.316	161,700.419	Free Surface	3.138	0.480	0.466	0.400	0.398	0.992	1,126,029.256	No	0.400	3.138
	VRF1D_712-VRF1D_713	VRF1D_712	VRF1D_713	10.000	119.736	0.005	524,492.316	161,700.419	Free Surface	2.962	0.502	0.503	0.418	0.398	0.910	1,042,469.353	No	0.418	2.962
	VRF1D_713-VRF1D_714	VRF1D_713	VRF1D_714	10.000	146.622	0.005	524,492.316	161,700.419	Free Surface	2.972	0.500	0.501	0.417	0.398	0.915	1,047,485.961	No	0.417	2.972
	VRF1D_714-VRF1D_715	VRF1D_714	VRF1D_715	10.000	144.757	0.007	524,492.316	161,700.419	Free Surface	3.547	0.437	0.395	0.364	0.398	1.188	1,328,573.212	No	0.364	3.547
	VRF1D_715-VRF1D_716	VRF1D_715	VRF1D_716	10.000	186.765	0.020	524,492.316	161,700.419	Free Surface	5.051	0.336	0.243	0.280	0.398	1.970	2,159,085.065	No	0.280	5.051
	VRF1D_716-TOE_2997	VRF1D_716	TOE_2997	10.000	174.246	0.011	630,506.946	201,201.044	Free Surface	4.281	0.435	0.393	0.363	0.438	1.437	1,606,160.052	Yes	0.370	4.171
	VRF1G_186-VRF1G_188	VRF1G_186	VRF1G_188	10.000	386.298	0.019	515,119.440	158,274.660	Free Surface	4.950	0.336	0.244	0.280	0.394	1.929	2,114,433.309	No	0.280	4.950
	VRF1G_188-VRF1G_204	VRF1G_188	VRF1G_204	10.000	200.334	0.007	515,119.440	158,274.660	Free Surface	3.500	0.435	0.392	0.363	0.394	1.175	1,313,083.968	No	0.363	3.500
	VRF1G_204-VRF1G_205	VRF1G_204	VRF1G_205	12.000	221.868	0.005	515,119.440	158,274.660	Free Surface	2.941	0.377	0.302	0.377	0.373	0.980	1,704,187.884	No	0.377	2.941
	VRF1G_205-VRGC2_206	VRF1G_205	VRGC2_206	12.000	209.684	0.004	515,119.440	158,274.660	Free Surface	2.892	0.382	0.309	0.382	0.373	0.957	1,665,730.837	No	0.382	2.892
	VRGC1_698-VRGC1_699	VRGC1_698	VRGC1_699	10.000	204.736	0.012	524,492.316	161,700.419	Free Surface	4.241	0.382	0.309	0.318	0.398	1.537	1,696,275.750	No	0.318	4.241
	VRGC1_699-TOE_2673	VRGC1_699	TOE_2673	10.000	399.007	0.019	524,492.316	161,700.419	Free Surface	4.949	0.341	0.250	0.284	0.398	1.914	2,098,929.430	No	0.284	4.949
	VRGC2_206-VRGC2_544	VRGC2_206	VRGC2_544	12.000	381.521	0.019	515,119.440	158,274.660	Free Surface	4.894	0.261	0.149	0.261	0.373	2.002	3,462,149.029	No	0.261	4.894
	VRGC2_526-VRGC2_527	VRGC2_526	VRGC2_527	12.000	333.897	0.013	593,284.015	187,225.850	Free Surface	4.465	0.308	0.206	0.308	0.402	1.667	2,877,737.546	No	0.308	4.465
	VRGC2_527-VRGC2_543	VRGC2_527	VRGC2_543	12.000	365.877	0.022	781,949.951	259,976.062	Free Surface	5.810	0.311	0.210	0.311	0.464	2.159	3,726,120.442	No	0.311	5.810
	VRGC2_543-VRGC2_544	VRGC2_543	VRGC2_544	12.000	414.462	0.004	781,949.951	259,976.062	Free Surface	3.074	0.501	0.502	0.501	0.464	0.863	1,558,894.535	No	0.501	3.074
	VRGC2_544-VRGC2_545	VRGC2_544	VRGC2_545	12.000	424.950	0.012	1,165,778.322	418,250.723	Free Surface	5.206	0.454	0.423	0.454	0.572	1.555	2,758,815.575	No	0.454	5.206
	VRGC2_545-VRGC2_580	VRGC2_545	VRGC2_580	15.000	295.290	0.004	1,165,778.322	418,250.723	Free Surface	3.553	0.432	0.387	0.540	0.534	0.978	3,009,008.765	No	0.540	3.553
	VRGC2_580-VRGC2_581	VRGC2_580	VRGC2_581	15.000	232.815	0.005	1,165,778.322	418,250.723	Free Surface	3.843	0.407	0.348	0.509	0.534	1.096	3,349,445.450	No	0.5	

FULL BUILDOUT PIPE TABLE

	ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (gpd)	Peakable Flow (gpd)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth	Critical Depth	Froude Number	Full Flow (gpd)	Backwater Adjustment	Adjusted Depth (ft)	Adjusted Velocity
	VRGC4_389-VRGC4_415	VRGC4_389	VRGC4_415	10.000	189.101	0.007	530,102.646	163,750.978	Free Surface	3.421	0.452	0.421	0.377	0.400	1.121	1,260,514.724	No	0.377	3.421
	VRGC4_415-VRGC4_416	VRGC4_415	VRGC4_416	10.000	398.517	0.004	530,102.646	163,750.978	Free Surface	2.843	0.523	0.539	0.436	0.400	0.851	983,702.686	No	0.436	2.843
	VRGC4_416-VRGC4_417	VRGC4_416	VRGC4_417	10.000	383.546	0.006	530,102.646	163,750.978	Free Surface	3.307	0.464	0.440	0.387	0.400	1.067	1,203,978.104	No	0.387	3.307
	VRGC4_417-VRGC4_418	VRGC4_417	VRGC4_418	10.000	400.664	0.060	530,102.646	163,750.978	Free Surface	7.528	0.254	0.141	0.212	0.400	3.423	3,754,304.275	No	0.212	7.528
	VRGC4_418-VRGC4_419	VRGC4_418	VRGC4_419	10.000	405.006	0.008	593,284.015	187,225.850	Free Surface	3.788	0.456	0.427	0.380	0.425	1.236	1,390,518.069	No	0.380	3.788
	VRGC4_419-VRGC4_420	VRGC4_419	VRGC4_420	10.000	192.748	0.017	593,284.015	187,225.850	Free Surface	4.940	0.374	0.297	0.311	0.425	1.813	1,997,285.306	No	0.311	4.940
	VRGC4_420-TOE_2809	VRGC4_420	TOE_2809	10.000	333.343	0.017	593,284.015	187,225.850	Free Surface	4.996	0.370	0.292	0.309	0.425	1.843	2,028,905.449	No	0.309	4.996
	VRGC6_183-VRGC6_184	VRGC6_183	VRGC6_184	10.000	185.714	0.006	515,119.440	158,274.660	Free Surface	3.252	0.460	0.433	0.383	0.394	1.055	1,189,139.609	No	0.383	3.252
	VRGC6_184-VRGC6_185	VRGC6_184	VRGC6_185	10.000	320.324	0.014	515,119.440	158,274.660	Free Surface	4.469	0.362	0.281	0.302	0.394	1.669	1,835,191.860	No	0.302	4.469
	VRGC6_185-VRF1G_186	VRGC6_185	VRF1G_186	10.000	172.691	0.023	515,119.440	158,274.660	Free Surface	5.350	0.318	0.219	0.265	0.394	2.152	2,355,518.068	No	0.265	5.350
	WCR10_1-125_23	WCR10_1	125_23	8.000	2,558.000	0.016	632,671.368	202,023.284	Free Surface	4.962	0.551	0.588	0.368	0.469	1.603	1,076,226.721	Yes	0.565	3.104
	WCR3_1	WCR3_80	TOE_2886	15.000	19.110	0.029	1,573,643.285	597,748.095	Free Surface	7.622	0.307	0.205	0.384	0.624	2.552	7,693,555.671	No	0.384	7.622
	WCR3_10	WCR3_86A	WCR3_86B	15.000	312.840	0.009	1,455,603.645	544,748.915	Free Surface	4.927	0.399	0.336	0.499	0.599	1.421	4,336,086.901	No	0.499	4.927
	WCR3_11	WCR3_87	WCR3_86A	15.000	256.720	0.009	1,455,603.645	544,748.915	Free Surface	4.906	0.400	0.338	0.501	0.599	1.412	4,311,121.273	No	0.501	4.906
	WCR3_12	WCR3_88	WCR3_87	15.000	216.760	0.009	1,455,603.645	544,748.915	Free Surface	4.889	0.401	0.339	0.502	0.599	1.405	4,290,297.352	No	0.502	4.889
	WCR3_13	WCR3_89	WCR3_88	15.000	287.980	0.009	1,455,603.645	544,748.915	Free Surface	4.898	0.401	0.338	0.501	0.599	1.409	4,300,756.138	No	0.501	4.898
	WCR3_14	WCR3_90	WCR3_89	15.000	252.970	0.016	1,455,603.645	544,748.915	Free Surface	5.973	0.346	0.258	0.433	0.599	1.869	5,652,464.771	No	0.433	5.973
	WCR3_15	WCR3_91	WCR3_90	15.000	235.590	0.006	1,455,603.645	544,748.915	Free Surface	4.346	0.439	0.398	0.548	0.599	1.185	3,654,629.780	No	0.548	4.346
	WCR3_16	WCR3_92	WCR3_91	15.000	257.920	0.007	1,455,603.645	544,748.915	Free Surface	4.351	0.438	0.398	0.548	0.599	1.187	3,660,060.214	No	0.548	4.351
	WCR3_17	WCR3_93	WCR3_92	15.000	197.900	0.007	1,455,603.645	544,748.915	Free Surface	4.377	0.436	0.395	0.546	0.599	1.197	3,689,681.258	No	0.546	4.377
	WCR3_18	WCR3_94	WCR3_93	15.000	235.700	0.021	1,455,603.645	544,748.915	Free Surface	6.678	0.319	0.221	0.399	0.599	2.187	6,598,520.663	No	0.399	6.678
	WCR3_19	WCR3_94A	WCR3_94	15.000	300.050	0.006	1,455,603.645	544,748.915	Free Surface	4.264	0.445	0.409	0.557	0.599	1.152	3,560,944.034	No	0.557	4.264
	WCR3_2	WCR3_81	WCR3_80	15.000	41.840	0.045	1,558,131.645	590,748.258	Free Surface	8.913	0.272	0.162	0.340	0.621	3.186	9,613,005.398	No	0.340	8.913
	WCR3_20	WCR3_95	WCR3_94A	15.000	130.720	0.007	1,328,024.988	488,394.536	Free Surface	4.420	0.404	0.344	0.505	0.571	1.265	3,866,044.802	No	0.505	4.420
	WCR3_21	WCR3_96	WCR3_95	15.000	399.710	0.007	1,328,024.988	488,394.536	Free Surface	4.244	0.417	0.363	0.521	0.571	1.193	3,657,549.957	No	0.521	4.244
	WCR3_22	WCR3_97	WCR3_96	15.000	343.810	0.007	1,328,024.988	488,394.536	Free Surface	4.247	0.417	0.363	0.521	0.571	1.194	3,660,503.753	No	0.521	4.247
	WCR3_23	WCR3_98	WCR3_97	15.000	374.890	0.011	1,328,024.988	488,394.536	Free Surface	5.111	0.363	0.281	0.454	0.571	1.557	4,719,404.348	No	0.454	5.111
	WCR3_24	WCR3_99	WCR3_98	15.000	241.920	0.006	1,081,832.029	382,643.856	Free Surface	4.012	0.373	0.296	0.466	0.513	1.204	3,653,339.553	No	0.466	4.012
	WCR3_25	WCR3_100	WCR3_99	15.000	236.560	0.023	1,081,832.029	382,643.856	Free Surface	6.310	0.269	0.158	0.336	0.513	2.272	6,858,104.151	No	0.336	6.310
	WCR3_26	WCR3_100A	WCR3_100	15.000	235.090	0.007	1,081,832.029	382,643.856	Free Surface	4.025	0.372	0.295	0.465	0.513	1.209	3,670,450.588	No	0.465	4.025
	WCR3_27	WCR3_100B	WCR3_100A	15.000	244.690	0.006	1,081,832.029	382,643.856	Free Surface	4.014	0.373	0.296	0.466	0.513	1.204	3,655,666.350	No	0.466	4.014
	WCR3_28	WCR3_101	WCR3_100B	15.000	243.950	0.007	1,081,832.029	382,643.856	Free Surface	4.018	0.372	0.295	0.466	0.513	1.206	3,661,206.717	No	0.466	4.018
	WCR3_29	WCR3_102	WCR3_101	15.000	138.520	0.007	1,081,832.029	382,643.856	Free Surface	4.093	0.367	0.288	0.459	0.513	1.238	3,755,620.152	No	0.459	4.093
	WCR3_3	WCR3_82	WCR3_81	15.000	68.170	0.006	1,558,131.645	590,748.258	Free Surface	4.414	0.457	0.428	0.571	0.621	1.175	3,643,391.080	No	0.571	4.414
	WCR3_30	WCR3_103	WCR3_102	15.000	184.390	0.012	1,081,832.029	382,643.856	Free Surface	5.039	0.316	0.216	0.395	0.513	1.661	5,009,549.547	No	0.395	5.039
	WCR3_31	WCR3_115	WCR3_103	15.000	335.280	0.007	1,081,832.029	382,643.856	Free Surface	4.015	0.373	0.296	0.466	0.513	1.205	3,656,794.225	No	0.466	4.015
	WCR3_32	WCR3_114	WCR3_115	15.000	141.390	0.011	1,081,832.029	382,643.856	Free Surface	4.916	0.321	0.224	0.402	0.513	1.604	4,839,268.180	No	0.402	4.916
	WCR3_33	WCR3_113A	WCR3_114	15.000	103.030	0.011	1,081,832.029	382,643.856	Free Surface	4.803	0.327	0.231	0.409	0.513	1.553	4,685,873.845	No	0.409	4.803
	WCR3_34	WCR3_113	WCR3_113A	15.000	287.860	0.004	1,081,832.029	382,643.856	Free Surface	3.361	0.426	0.377	0.532	0.513	0.933	2,866,383.922	No	0.532	3.361
	WCR3_35	WCR3_112	WCR3_113	15.000	300.000	0.004	1,081,832.029	382,643.856	Free Surface	3.362	0.426	0.377	0.532	0.513	0.934	2,868,177.966	No	0.532	3.362
	WCR3_36	WCR3_111	WCR3_112	15.000	166.950	0.014	1,081,832.029	382,643.856	Free Surface	5.328	0.303	0.200	0.379	0.513	1.796	5,414,662.181	No	0.379	5.328
	WCR3_37	WCR3_110	WCR3_111	15.000	400.000	0.004	942,588.487	324,770.278	Free Surface	3.240	0.395	0.329	0.493	0.478	0.941	2,868,177.966	No	0.493	3.240
	WCR3_38	WCR3_19	WCR3_110	15.000	400.000	0.004	942,588.487	324,770.278	Free Surface	3.240	0.395	0.329	0.493	0.478	0.941	2,868,177.966	No	0.493	3.240
	WCR3_39	WCR3_18	WCR3_19	15.000	400.000	0.004	942,588.487	324,770.278	Free Surface	3.240	0.395	0.329	0.493	0.478	0.941	2,868,177.966	No	0.493	3.240
	WCR3_4	WCR3_83	WCR3_82	15.000	417.560	0.006	1,558,131.645	590,748.258	Free Surface	4.423	0.456	0.426	0.570	0.621	1.178	3,653,434.289	No	0.570	4.423
	WCR3_40	WCR3_17	WCR3_18	15.000	400.000	0.005	942,588.487	324,770.278	Free Surface	3.514	0.371	0.294	0.464	0.478	1.057	3,206,720.452	No	0.464	3.514
	WCR3_41	WCR3_16	WCR3_17	15.000	361.260	0.005	942,588.487	324,770.278	Free Surface	3.517	0.371	0.294	0.464	0.478	1.058	3,210,003.073	No	0.464	3.517
	WCR3_42	WCR3_15	WCR3_16	15.000	314.500	0.005	787,385.645	262,144.701	Free Surface	3.350	0.337	0.245	0.421	0.435	1.064	3,214,358.542	No	0.421	3.350
	WCR3_43	WCR3_14	WCR3_15	15.000	314.500	0.014	787,385.645	262,144.701	Free Surface	4.850	0.258	0.146	0.323	0.435	1.784	5,388,368.141	No	0.323	4.850
	WCR3_44	WCR3_13	WCR3_14	15.000	275.980	0.005	787,385.645	262,144.701	Free Surface	3.344	0.338	0.246	0.422	0.435	1.062	3,206,836.644	No	0.422	3.344
	WCR3_45	WCR3_12	WCR3_13	15.000	160.140	0.005	787,385.645	262,144.701	Free Surface	3.343	0.338	0.246	0.422	0.435	1.061	3,205,318.432	No	0.422	3.343
	WCR3_46	WCR3_11A	WCR3_12	15.000	432.890	0.004	787,385.645	262,144.701	Free Surface	3.097	0.357	0.273	0.446	0.435	0.952	2,883,409.647	No	0.446	3.097
	WCR3_47	WCR3_11	WCR3_11A	15.000	92.930	0.005	787,385.645	262,144.701	Free Surface	3.458	0.329	0.234	0.412	0.435	1.113	3,359,566.322	No	0.412	3.458
	WCR3_48	WCR3_H134	WCR3_11	15.000	91.980	0.006	787,385.645	262,144.701	Free Surface	3.543	0.324	0.227	0.405	0.435	1.152	3,474,771.708	No	0.405	3.543
	WCR3_49	WCR3_H135	WCR3_H134	12.000	399.920	0.012	337,909.622	95,895.324	Free Surface	3.717	0.235	0.121	0.235	0.300	1.608	2,791,092.806	No	0.235	3.717
	WCR3_5	WCR3_																	

FULL BUILDOUT PIPE TABLE

	ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (gpd)	Peakable Flow (gpd)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth	Critical Depth	Froude Number	Full Flow (gpd)	Backwater Adjustment	Adjusted Depth (ft)	Adjusted Velocity
	WCR3_53	WCR3_H139	WCR3_H138	12.000	246.720	0.006	337,909.622	95,895.324	Free Surface	2.880	0.282	0.173	0.282	0.300	1.130	1,950,247.003	No	0.282	2.880
	WCR3_54	WCR3_H140	WCR3_H139	12.000	227.850	0.011	337,909.622	95,895.324	Free Surface	3.544	0.243	0.129	0.243	0.300	1.506	2,609,441.060	No	0.243	3.544
	WCR3_55	WCR3_H141	WCR3_H140	12.000	53.120	0.004	337,909.622	95,895.324	Free Surface	2.510	0.311	0.210	0.311	0.300	0.932	1,609,638.959	No	0.311	2.510
	WCR3_56	WCR3_H146	WCR3_H141	10.000	257.260	0.016	155,995.637	39,958.545	Free Surface	3.331	0.191	0.079	0.159	0.212	1.764	1,965,314.469	No	0.159	3.331
	WCR3_57	WCR3_H164	WCR3_H146	10.000	335.000	0.004	155,995.637	39,958.545	Free Surface	2.055	0.268	0.157	0.223	0.212	0.908	994,340.556	No	0.223	2.055
	WCR3_58	WCR3_H165	WCR3_H164	10.000	120.000	0.004	155,995.637	39,958.545	Free Surface	2.053	0.268	0.157	0.223	0.212	0.907	992,859.780	No	0.223	2.053
	WCR3_59	WCR3_H171	WCR3_H165	10.000	285.000	0.004	155,995.637	39,958.545	Free Surface	1.931	0.280	0.171	0.233	0.212	0.832	911,110.620	No	0.233	1.931
	WCR3_6	WCR3_85	WCR3_84	15.000	467.190	0.008	1,558,131.645	590,748.258	Free Surface	4.807	0.428	0.381	0.535	0.621	1.330	4,089,979.476	No	0.535	4.807
	WCR3_60	WCR3_184	WCR3_H171	10.000	159.830	0.008	155,995.637	39,958.545	Free Surface	2.604	0.226	0.112	0.189	0.212	1.259	1,387,190.371	No	0.189	2.604
	WCR3_61	WCR3_H185	WCR3_184	10.000	293.160	0.010	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,503,211.876	No	0.000	0.000
	WCR3_62	WCR3_H186	WCR3_H185	10.000	293.160	0.021	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	2,254,817.814	No	0.000	0.000
	WCR3_63	WCR3_H187	WCR3_H186	10.000	51.940	0.021	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	2,238,406.245	No	0.000	0.000
	WCR3_64	WCR3_H188	WCR3_H187	8.000	231.710	0.006	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	682,553.736	No	0.000	0.000
	WCR3_65	WCR3_H189	WCR3_H188	8.000	363.310	0.007	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	717,648.209	No	0.000	0.000
	WCR3_66	WCR3_H190	WCR3_H189	8.000	195.020	0.007	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	718,766.867	No	0.000	0.000
	WCR3_67	WCR3_H191	WCR3_H190	8.000	278.060	0.006	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	678,741.415	No	0.000	0.000
	WCR3_68	WCR3_H192	WCR3_H191	8.000	256.990	0.011	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	879,144.040	No	0.000	0.000
	WCR3_69	WCR3_H192A	WCR3_H192	8.000	280.180	0.013	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	950,859.552	No	0.000	0.000
	WCR3_7	WCR3_86	WCR3_85	15.000	387.790	0.007	1,558,131.645	590,748.258	Free Surface	4.445	0.454	0.424	0.568	0.621	1.187	3,677,459.401	No	0.568	4.445
	WCR3_70	WCR3_H193	WCR3_H192A	8.000	121.000	0.025	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,335,769.582	No	0.000	0.000
	WCR3_71	WCR3_H194	WCR3_H193	8.000	327.200	0.012	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	917,817.527	No	0.000	0.000
	WCR3_72	WCR3_H133	WCR3_H134	10.000	175.710	0.016	536,938.266	166,249.377	Free Surface	4.739	0.358	0.274	0.298	0.403	1.783	1,958,924.643	No	0.298	4.739
	WCR3_73	WCR3_H132	WCR3_H133	10.000	145.240	0.006	536,938.266	166,249.377	Free Surface	3.189	0.482	0.470	0.402	0.403	1.005	1,141,551.246	No	0.402	3.189
	WCR3_74	WCR3_H131	WCR3_H132	10.000	65.280	0.009	536,938.266	166,249.377	Free Surface	3.853	0.417	0.364	0.348	0.403	1.326	1,474,616.508	No	0.348	3.853
	WCR3_75	WCR3_H130	WCR3_H131	8.000	235.650	0.014	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,003,891.681	Yes	0.074	0.000
	WCR3_76	WCR3_H129	WCR3_H130	8.000	300.000	0.005	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	599,858.213	No	0.000	0.000
	WCR3_77	WCR3_H128	WCR3_H129	8.000	348.630	0.005	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	592,387.233	No	0.000	0.000
	WCR3_78	WCR3_H127	WCR3_H128	8.000	232.240	0.009	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	787,245.331	No	0.000	0.000
	WCR3_79	WCR3_H126	WCR3_H127	8.000	111.860	0.004	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	555,708.217	No	0.000	0.000
	WCR3_8	WCR3_86C	WCR3_86	15.000	192.490	0.010	1,558,131.645	590,748.258	Free Surface	5.181	0.405	0.344	0.506	0.621	1.482	4,529,211.774	No	0.506	5.181
	WCR3_80	WCR3_H125	WCR3_H126	8.000	163.480	0.005	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	600,811.475	No	0.000	0.000
	WCR3_9	WCR3_86B	WCR3_86C	15.000	303.380	0.009	1,558,131.645	590,748.258	Free Surface	4.989	0.416	0.362	0.520	0.621	1.404	4,301,936.044	No	0.520	4.989
	WCR5_10-WCR5_11	WCR5_10	WCR5_11	12.000	165.680	0.018	1,302,017.644	477,057.420	Free Surface	6.214	0.431	0.386	0.431	0.606	1.914	3,371,276.495	No	0.431	6.214
	WCR5_11-WCR5_12	WCR5_11	WCR5_12	12.000	374.150	0.018	1,302,017.644	477,057.420	Free Surface	6.212	0.431	0.386	0.431	0.606	1.913	3,369,443.514	No	0.431	6.212
	WCR5_12-WCR5_13	WCR5_12	WCR5_13	12.000	277.850	0.014	1,302,017.644	477,057.420	Free Surface	5.649	0.464	0.439	0.464	0.606	1.665	2,963,283.964	No	0.464	5.649
	WCR5_13-WCR5_14	WCR5_13	WCR5_14	12.000	196.370	0.010	1,302,017.644	477,057.420	Free Surface	4.915	0.517	0.529	0.517	0.606	1.353	2,460,284.883	No	0.517	4.915
	WCR5_14-WCR5_15	WCR5_14	WCR5_15	12.000	168.090	0.011	1,302,017.644	477,057.420	Free Surface	5.211	0.494	0.490	0.494	0.606	1.477	2,659,206.292	No	0.494	5.211
	WCR5_15-WCR5_16	WCR5_15	WCR5_16	12.000	371.750	0.016	1,302,017.644	477,057.420	Free Surface	5.912	0.448	0.413	0.448	0.606	1.780	3,150,987.534	No	0.448	5.912
	WCR5_16-WCR5_17	WCR5_16	WCR5_17	12.000	306.640	0.013	1,469,891.717	551,125.232	Free Surface	5.614	0.512	0.521	0.512	0.645	1.554	2,820,746.567	No	0.512	5.614
	WCR5_17-WCR5_18	WCR5_17	WCR5_18	12.000	346.280	0.011	1,469,891.717	551,125.232	Free Surface	5.362	0.531	0.554	0.531	0.645	1.450	2,654,390.210	No	0.531	5.362
	WCR5_18-WCR5_19	WCR5_18	WCR5_19	12.000	195.440	0.020	1,469,891.717	551,125.232	Free Surface	6.640	0.450	0.416	0.450	0.645	1.994	3,533,228.658	No	0.450	6.640
	WCR5_19-WCR5_20	WCR5_19	WCR5_20	12.000	730.040	0.014	1,469,891.717	551,125.232	Free Surface	5.751	0.503	0.505	0.503	0.645	1.612	2,912,664.328	Yes	0.506	5.701
	WCR5_1-WCR5_2	WCR5_1	WCR5_2	10.000	1,986.790	0.004	684,293.211	221,854.956	Free Surface	2.997	0.617	0.701	0.514	0.458	0.800	976,028.614	No	0.514	2.997
	WCR5_20-WCR5_21	WCR5_20	WCR5_21	12.000	399.480	0.007	1,469,891.717	551,125.232	Free Surface	4.534	0.610	0.689	0.610	0.645	1.114	2,134,740.756	No	0.610	4.534
	WCR5_21-WCR5_22	WCR5_21	WCR5_22	12.000	1,025.410	0.015	1,469,891.717	551,125.232	Free Surface	6.046	0.483	0.472	0.483	0.645	1.737	3,113,575.077	Yes	0.587	4.749
	WCR5_22-WCR5_23	WCR5_22	WCR5_23	15.000	441.760	0.002	1,486,252.723	558,450.510	Free Surface	2.814	0.632	0.726	0.790	0.606	0.602	2,046,935.507	No	0.790	2.814
	WCR5_23-WCR5_24	WCR5_23	WCR5_24	15.000	660.870	0.009	1,486,252.723	558,450.510	Free Surface	4.912	0.406	0.347	0.508	0.606	1.402	4,284,933.502	No	0.508	4.912
	WCR5_24-WCR5_25	WCR5_24	WCR5_25	15.000	866.430	0.006	1,540,842.597	582,946.341	Free Surface	4.222	0.469	0.447	0.586	0.618	1.106	3,445,040.731	No	0.586	4.222
	WCR5_25-WCR5_26	WCR5_25	WCR5_26	15.000	411.850	0.005	1,540,842.597	582,946.341	Free Surface	3.981	0.491	0.484	0.613	0.618	1.014	3,183,864.549	No	0.613	3.981
	WCR5_26-WCR5_27	WCR5_26	WCR5_27	15.000	353.460	0.005	1,540,842.597	582,946.341	Free Surface	3.979	0.491	0.484	0.613	0.618	1.013	3,181,856.484	No	0.613	3.979
	WCR5_27-WCR5_28	WCR5_27	WCR5_28	15.000	231.180	0.005	1,540,842.597	582,946.341	Free Surface	3.969	0.492	0.486	0.615	0.618	1.009	3,170,590.774	No	0.615	3.969
	WCR5_28-WCR5_29	WCR5_28	HWY52_5	15.000	1,193.690	0.015	1,540,842.597	582,946.341	Free Surface	5.931	0.363	0.281	0.454	0.618	1.807	5,476,835.631	Yes	0.534	4.767
	WCR5_2-WCR5_3	WCR5_2	WCR5_3	10.000	539.910	0.011	684,293.211	221,854.956	Free Surface	4.378	0.456	0.426	0.380	0.458	1.429	1,607,899.348	No	0.380	4.378
	WCR5_3-WCR5_4	WCR5_3	WCR5_4	10.000	1,192.000	0.015	684,293.211	221,854.956	Free Surface	4.918	0.417	0.363	0.347	0.458	1.693	1,883,292.112	Yes	0.498	3.115
	WCR5_4-WCR5_5	WCR5_4	WCR5_5	12.000	580.040	0.003	1,302,017.644	477,057.420	Free Surface	3.196	0.748	0.910	0.748	0.606	0.661	1,431,508.715	No	0.748	3.196
	WCR5_5-WCR5_6	WCR5_5	WCR5_6	12.000	871.120	0.003	1,302,017.644	477,057.420	Free Surface	2.979	0.803	0.982	0.803	0.606	0.569	1,326,447.964	No	0.803	2.979
	WCR5_6-WCR5_7	WCR5_6	W																

FULL BUILDOUT PIPE TABLE

	ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (gpd)	Peakable Flow (gpd)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth	Critical Depth	Froude Number	Full Flow (gpd)	Backwater Adjustment	Adjusted Depth (ft)	Adjusted Velocity
<input type="checkbox"/>	WCR5_9-WCR5_10	WCR5_9	WCR5_10	12.000	822.970	0.022	1,302,017.644	477,057.420	Free Surface	6.638	0.410	0.353	0.410	0.606	2.106	3,688,762.390	No	0.410	6.638
<input type="checkbox"/>	WCR7_10-WCR7_11	WCR7_10	WCR7_11	8.000	541.220	0.007	361,078.922	103,770.681	Free Surface	3.194	0.501	0.501	0.334	0.351	1.099	720,126.831	No	0.334	3.194
<input type="checkbox"/>	WCR7_11-WCR7_12	WCR7_11	WCR7_12	8.000	386.680	0.005	361,078.922	103,770.681	Free Surface	2.763	0.562	0.607	0.375	0.351	0.881	594,654.285	No	0.375	2.763
<input type="checkbox"/>	WCR7_12-WCR7_13	WCR7_12	WCR7_13	10.000	582.070	0.010	725,093.946	237,674.791	Free Surface	4.321	0.481	0.468	0.401	0.472	1.364	1,548,573.905	No	0.401	4.321
<input type="checkbox"/>	WCR7_13-WCR7_14	WCR7_13	WCR7_14	10.000	686.300	0.009	725,093.946	237,674.791	Free Surface	4.063	0.505	0.508	0.421	0.472	1.244	1,426,141.262	No	0.421	4.063
<input type="checkbox"/>	WCR7_14-WCR7_15	WCR7_14	WCR7_15	10.000	269.660	0.007	725,093.946	237,674.791	Free Surface	3.769	0.536	0.562	0.447	0.472	1.110	1,291,106.520	No	0.447	3.769
<input type="checkbox"/>	WCR7_15-WCR7_16	WCR7_15	WCR7_16	10.000	495.150	0.008	725,093.946	237,674.791	Free Surface	3.969	0.514	0.524	0.429	0.472	1.201	1,382,468.177	No	0.429	3.969
<input type="checkbox"/>	WCR7_16-WCR7_17	WCR7_16	WCR7_17	10.000	307.790	0.006	725,093.946	237,674.791	Free Surface	3.554	0.562	0.606	0.468	0.472	1.014	1,195,701.456	Yes	0.473	3.512
<input type="checkbox"/>	WCR7_17-WCR7_18	WCR7_17	WCR7_18	10.000	565.400	0.003	725,093.946	237,674.791	Free Surface	2.781	0.693	0.826	0.578	0.472	0.677	877,454.384	No	0.578	2.781
<input type="checkbox"/>	WCR7_18-I25_36	WCR7_18	I25_36	10.000	1,385.670	0.011	1,243,007.572	451,429.750	Free Surface	4.963	0.669	0.787	0.557	0.622	1.244	1,579,387.657	Yes	0.833	3.526
<input type="checkbox"/>	WCR7_1-WCR7_2	WCR7_1	WCR7_2	8.000	799.050	0.022	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,269,705.921	No	0.000	0.000
<input type="checkbox"/>	WCR7_2-WCR7_3	WCR7_2	WCR7_3	8.000	815.360	0.020	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,184,642.934	No	0.000	0.000
<input type="checkbox"/>	WCR7_3-WCR7_4	WCR7_3	WCR7_4	8.000	766.230	0.016	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,057,200.871	No	0.000	0.000
<input type="checkbox"/>	WCR7_4-WCR7_5	WCR7_4	WCR7_5	8.000	477.510	0.012	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	942,971.089	No	0.000	0.000
<input type="checkbox"/>	WCR7_5-WCR7_6	WCR7_5	WCR7_6	8.000	442.930	0.018	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,132,947.029	No	0.000	0.000
<input type="checkbox"/>	WCR7_6-WCR7_7	WCR7_6	WCR7_7	8.000	234.100	0.017	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,094,952.309	Yes	0.081	0.000
<input type="checkbox"/>	WCR7_7-WCR7_8	WCR7_7	WCR7_8	8.000	1,045.230	0.017	361,078.922	103,770.681	Free Surface	4.397	0.392	0.325	0.262	0.351	1.754	1,110,156.458	No	0.262	4.397
<input type="checkbox"/>	WCR7_8-WCR7_9	WCR7_8	WCR7_9	8.000	308.600	0.013	361,078.922	103,770.681	Free Surface	3.938	0.426	0.378	0.284	0.351	1.496	954,891.495	No	0.284	3.938
<input type="checkbox"/>	WCR7_9-WCR7_10	WCR7_9	WCR7_10	8.000	479.290	0.012	361,078.922	103,770.681	Free Surface	3.896	0.430	0.384	0.286	0.351	1.473	941,218.444	No	0.286	3.896

FULL BUILDOUT W/ I/I - MANHOLE TABLE

		ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
1	<input type="checkbox"/>	AIF1_119	5,068.710	0.000	0.000	0.000	5,058.112	Not Full	Yes	-0.518	10.598
2	<input type="checkbox"/>	ARF1_12	5,190.400	0.000	0.000	0.000	5,179.329	Not Full	Yes	-0.358	11.071
3	<input type="checkbox"/>	ARF1_16	5,191.000	0.000	0.000	0.000	5,181.049	Not Full	No	-0.438	9.951
4	<input type="checkbox"/>	ARF1_17	5,195.200	0.000	0.000	0.000	5,184.041	Not Full	No	-0.425	11.159
5	<input type="checkbox"/>	ARF1_2	5,190.990	0.000	0.000	0.000	5,173.838	Not Full	Yes	-0.565	17.152
6	<input type="checkbox"/>	ARF1_28	5,201.050	0.000	0.000	0.000	5,189.729	Not Full	No	-0.468	11.321
7	<input type="checkbox"/>	ARF1_29	5,202.190	0.000	0.000	0.000	5,190.764	Not Full	No	-0.442	11.426
8	<input type="checkbox"/>	ARF1_3	5,188.520	0.000	0.000	0.000	5,176.108	Not Full	No	-0.399	12.412
9	<input type="checkbox"/>	ARF1_31	5,204.680	0.000	0.000	0.000	5,193.926	Not Full	No	-0.421	10.754
10	<input type="checkbox"/>	ARF1_32	5,205.700	0.000	0.000	0.000	5,194.957	Not Full	No	-0.409	10.743
11	<input type="checkbox"/>	ARF1_33	5,208.560	0.000	0.000	0.000	5,197.200	Not Full	No	-0.427	11.360
12	<input type="checkbox"/>	ARF1_34	5,209.050	0.000	0.000	0.000	5,198.226	Not Full	No	-0.391	10.824
13	<input type="checkbox"/>	ARF1_35	5,209.820	0.000	0.000	0.000	5,198.956	Not Full	Yes	-0.380	10.864
14	<input type="checkbox"/>	ARF1_36	5,213.560	0.000	0.000	0.000	5,201.347	Not Full	No	-0.419	12.213
15	<input type="checkbox"/>	ARF1_37	5,213.040	0.000	0.000	0.000	5,202.257	Not Full	No	-0.399	10.783
16	<input type="checkbox"/>	ARF1_4	5,189.400	0.000	0.000	0.000	5,178.023	Not Full	No	-0.454	11.377
17	<input type="checkbox"/>	ARF2_1	5,214.270	0.000	0.000	0.000	5,205.591	Not Full	No	-0.416	8.679
18	<input type="checkbox"/>	ARF2_2	5,217.170	63,990.696	230,360.489	0.000	5,206.688	Not Full	No	-0.398	10.482
19	<input type="checkbox"/>	BFF1_61	5,112.000	0.000	0.000	0.000	5,100.440	Not Full	No	-0.667	11.560
20	<input type="checkbox"/>	BFF1_62	5,110.000	0.000	0.000	0.000	5,098.440	Not Full	No	-0.667	11.560
21	<input type="checkbox"/>	BFF1_63	5,110.000	18,090.713	68,340.934	0.000	5,096.849	Not Full	No	-0.527	13.151
22	<input type="checkbox"/>	CCF3_39E	5,127.025	30,779.988	116,281.396	0.000	5,116.716	Not Full	No	-0.533	10.309
23	<input type="checkbox"/>	CCF3_60	5,134.515	0.000	0.000	0.000	5,123.515	Not Full	No	-0.833	11.000
24	<input type="checkbox"/>	CCF3_60A	5,126.015	46,439.983	170,554.711	0.000	5,118.149	Not Full	No	-0.599	7.866
25	<input type="checkbox"/>	CCF4_41	5,130.900	39,690.705	147,206.502	0.000	5,119.321	Not Full	No	-0.426	11.579
26	<input type="checkbox"/>	CCF4_42	5,139.500	0.000	0.000	0.000	5,127.782	Not Full	No	-0.534	11.718
27	<input type="checkbox"/>	CCF4_43	5,148.430	0.000	0.000	0.000	5,136.712	Not Full	No	-0.535	11.718
28	<input type="checkbox"/>	CCF4_44	5,154.330	0.000	0.000	0.000	5,142.560	Not Full	No	-0.517	11.770
29	<input type="checkbox"/>	CCF4_45	5,160.270	0.000	0.000	0.000	5,148.500	Not Full	No	-0.516	11.770
30	<input type="checkbox"/>	CCF6_105	5,098.110	176,168.094	541,422.332	0.000	5,087.059	Not Full	No	-0.671	11.051
31	<input type="checkbox"/>	CCF6_106	5,098.070	0.000	0.000	0.000	5,082.134	Not Full	No	-0.666	15.936
32	<input type="checkbox"/>	CCF6_610	5,118.330	0.000	0.000	0.000	5,107.885	Not Full	No	-0.452	10.445
33	<input type="checkbox"/>	CCF6_611	5,120.270	0.000	0.000	0.000	5,109.714	Not Full	No	-0.443	10.556
34	<input type="checkbox"/>	CCF6_612	5,123.450	0.000	0.000	0.000	5,112.278	Not Full	No	-0.448	11.172
35	<input type="checkbox"/>	CCF6_613	5,124.860	0.000	0.000	0.000	5,113.860	Not Full	No	-0.427	11.000
36	<input type="checkbox"/>	CCF6_614	5,125.820	0.000	0.000	0.000	5,114.981	Not Full	No	-0.416	10.839
37	<input type="checkbox"/>	CCF6_615	5,110.580	0.000	0.000	0.000	5,095.869	Not Full	No	-0.841	14.711
38	<input type="checkbox"/>	CCF6_68	5,111.480	0.000	0.000	0.000	5,098.507	Not Full	No	-0.450	12.973
39	<input type="checkbox"/>	CCF6_69	5,113.690	0.000	0.000	0.000	5,102.379	Not Full	No	-0.447	11.311
40	<input type="checkbox"/>	CCF9_46	5,168.820	34,019.987	127,591.152	0.000	5,150.275	Not Full	No	-0.461	18.545
41	<input type="checkbox"/>	CFF1_17	5,094.225	0.000	0.000	0.000	5,082.907	Not Full	No	-0.888	11.318

FULL BUILDOUT W/ I/I - MANHOLE TABLE

		ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
42	<input type="checkbox"/>	CFF1_18	5,096.025	0.000	0.000	0.000	5,085.244	Not Full	No	-0.891	10.781
43	<input type="checkbox"/>	CFF1_19	5,097.625	0.000	0.000	0.000	5,086.782	Not Full	No	-0.883	10.843
44	<input type="checkbox"/>	CFF1_19B1	5,098.735	0.000	0.000	0.000	5,087.735	Not Full	No	-0.700	11.000
45	<input type="checkbox"/>	CFF1_19B2	5,100.735	0.000	0.000	0.000	5,088.841	Not Full	No	-0.684	11.894
46	<input type="checkbox"/>	CFF1_20	5,101.125	0.000	0.000	0.000	5,089.673	Not Full	No	-0.692	11.452
47	<input type="checkbox"/>	CFF1_21	5,103.925	36,450.706	135,999.781	0.000	5,092.006	Not Full	No	-0.689	11.919
48	<input type="checkbox"/>	CFF1_22	5,106.175	0.000	0.000	0.000	5,093.667	Not Full	No	-0.698	12.508
49	<input type="checkbox"/>	CFF1_22A	5,112.405	0.000	0.000	0.000	5,100.622	Not Full	No	-0.616	11.783
50	<input type="checkbox"/>	CFF1_22B	5,106.965	0.000	0.000	0.000	5,095.282	Not Full	No	-0.616	11.683
51	<input type="checkbox"/>	CFF1_22C	5,104.765	60,750.697	220,059.749	0.000	5,093.048	Not Full	No	-0.550	11.717
52	<input type="checkbox"/>	CFF1_22D	5,107.255	0.000	0.000	0.000	5,095.055	Not Full	No	-0.833	12.200
53	<input type="checkbox"/>	CFF1_22E	5,106.875	0.000	0.000	0.000	5,096.885	Not Full	No	-0.833	9.990
54	<input type="checkbox"/>	CFF1_22F1	5,108.455	0.000	0.000	0.000	5,098.345	Not Full	No	-0.833	10.110
55	<input type="checkbox"/>	CFF1_23	5,105.785	0.000	0.000	0.000	5,095.094	Not Full	No	-0.711	10.691
56	<input type="checkbox"/>	CFF1_24	5,106.475	0.000	0.000	0.000	5,096.262	Not Full	No	-0.713	10.213
57	<input type="checkbox"/>	CFF1_25	5,107.655	0.000	0.000	0.000	5,097.658	Not Full	No	-0.707	9.997
58	<input type="checkbox"/>	CFF1_26	5,110.015	0.000	0.000	0.000	5,100.253	Not Full	No	-0.712	9.762
59	<input type="checkbox"/>	CFF1_27	5,113.825	0.000	0.000	0.000	5,103.578	Not Full	No	-0.717	10.247
60	<input type="checkbox"/>	CFF1_28	5,116.225	0.000	0.000	0.000	5,105.508	Not Full	No	-0.717	10.717
61	<input type="checkbox"/>	CFF1_29	5,122.135	0.000	0.000	0.000	5,109.244	Not Full	No	-0.771	12.891
62	<input type="checkbox"/>	CFF1_30	5,125.325	0.000	0.000	0.000	5,115.005	Not Full	No	-0.770	10.320
63	<input type="checkbox"/>	CFF1_31	5,128.455	0.000	0.000	0.000	5,116.608	Not Full	No	-0.717	11.847
64	<input type="checkbox"/>	CHF1A_22	5,068.620	79,109.250	274,976.358	0.000	5,055.912	Not Full	No	-1.088	12.708
65	<input type="checkbox"/>	CHF1A_23	5,070.640	0.000	0.000	0.000	5,052.602	Not Full	No	-1.108	18.038
66	<input type="checkbox"/>	CHF1A_24	5,052.800	0.000	0.000	0.000	5,042.484	Not Full	No	-1.016	10.316
67	<input type="checkbox"/>	CHF1A_25	5,050.970	0.000	0.000	0.000	5,039.332	Not Full	No	-0.968	11.638
68	<input type="checkbox"/>	CHF1A_A1A	5,049.900	0.000	0.000	0.000	5,038.444	Not Full	No	-0.966	11.456
69	<input type="checkbox"/>	CHF1A_C1	5,075.600	0.000	0.000	0.000	5,061.716	Not Full	No	-1.204	13.884
70	<input type="checkbox"/>	CHF1B_12	5,105.600	0.000	0.000	0.000	5,083.667	Not Full	No	-1.143	21.933
71	<input type="checkbox"/>	CHF1B_14A	5,122.490	0.000	0.000	0.000	5,102.134	Not Full	No	-1.106	20.356
72	<input type="checkbox"/>	CHF1B_15A	5,119.230	0.000	0.000	0.000	5,102.988	Not Full	No	-0.712	16.242
73	<input type="checkbox"/>	CHF1B_17	5,116.660	0.000	0.000	0.000	5,099.448	Not Full	No	-0.992	17.212
74	<input type="checkbox"/>	CHF1B_18	5,112.550	24,839.991	93,839.005	0.000	5,097.031	Not Full	No	-1.159	15.519
75	<input type="checkbox"/>	CHF1B_20	5,085.470	0.000	0.000	0.000	5,074.086	Not Full	No	-1.134	11.384
76	<input type="checkbox"/>	CHF3A_15	5,125.860	0.000	0.000	0.000	5,104.212	Not Full	No	-0.858	21.648
77	<input type="checkbox"/>	CHF3A_15B	5,119.230	0.000	0.000	0.000	5,103.526	Not Full	No	-0.854	15.704
78	<input type="checkbox"/>	CHF3C_8	5,125.190	0.000	0.000	0.000	5,116.331	Not Full	No	-0.959	8.859
79	<input type="checkbox"/>	CHF3C_9	5,124.720	0.000	0.000	0.000	5,114.852	Not Full	Yes	-0.938	9.868
80	<input type="checkbox"/>	CMF2_22G	5,109.075	0.000	0.000	0.000	5,099.925	Not Full	No	-0.833	9.150
81	<input type="checkbox"/>	CMF2_32	5,114.005	0.000	0.000	0.000	5,102.258	Not Full	No	-0.590	11.747
82	<input type="checkbox"/>	CMF2_33	5,113.055	0.000	0.000	0.000	5,103.076	Not Full	No	-0.542	9.979

FULL BUILDOUT W/ I/I - MANHOLE TABLE

		ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
83	<input type="checkbox"/>	CMF2_34	5,113.115	0.000	0.000	0.000	5,103.411	Not Full	No	-0.537	9.704
84	<input type="checkbox"/>	CMF2_35	5,114.465	0.000	0.000	0.000	5,104.147	Not Full	Yes	-0.551	10.318
85	<input type="checkbox"/>	CMF2_36	5,117.345	0.000	0.000	0.000	5,107.056	Not Full	No	-0.612	10.289
86	<input type="checkbox"/>	CMF2_37	5,118.695	0.000	0.000	0.000	5,108.410	Not Full	No	-0.608	10.285
87	<input type="checkbox"/>	CMF2_38	5,119.295	0.000	0.000	0.000	5,108.982	Not Full	No	-0.596	10.313
88	<input type="checkbox"/>	CMF2_39	5,120.035	0.000	0.000	0.000	5,109.777	Not Full	No	-0.591	10.258
89	<input type="checkbox"/>	CMF2_39A	5,121.225	0.000	0.000	0.000	5,110.414	Not Full	Yes	-0.534	10.811
90	<input type="checkbox"/>	CMF2_39B	5,120.725	0.000	0.000	0.000	5,114.227	Not Full	No	-0.631	6.498
91	<input type="checkbox"/>	CMF2_39C	5,124.225	0.000	0.000	0.000	5,115.026	Not Full	No	-0.532	9.199
92	<input type="checkbox"/>	CMF2_39D	5,128.225	0.000	0.000	0.000	5,115.776	Not Full	No	-0.533	12.449
93	<input type="checkbox"/>	COMPFI_101	5,102.060	141,209.227	449,090.255	0.000	5,084.704	Not Full	No	-0.656	17.356
94	<input type="checkbox"/>	CSF1_C2A	5,068.715	0.000	0.000	0.000	5,050.099	Not Full	Yes	-0.966	18.616
95	<input type="checkbox"/>	CSF1_C2C	5,068.425	0.000	0.000	0.000	5,050.301	Not Full	No	-1.104	18.124
96	<input type="checkbox"/>	CSF1_C3A	5,080.635	0.000	0.000	0.000	5,068.123	Not Full	No	-1.022	12.512
97	<input type="checkbox"/>	CSF1_C3B	5,076.545	0.000	0.000	0.000	5,066.962	Not Full	No	-0.993	9.583
98	<input type="checkbox"/>	CSF1_C4B	5,073.805	0.000	0.000	0.000	5,065.305	Not Full	No	-1.030	8.500
99	<input type="checkbox"/>	CSF1_C5B	5,073.395	0.000	0.000	0.000	5,063.436	Not Full	No	-1.049	9.959
100	<input type="checkbox"/>	CSF1_C6C	5,069.785	47,602.062	174,573.795	0.000	5,062.477	Not Full	Yes	-0.958	7.308
101	<input type="checkbox"/>	ECF1_100	5,047.600	0.000	0.000	0.000	5,025.402	Not Full	No	-1.568	22.198
102	<input type="checkbox"/>	ECF1_102	5,047.000	0.000	0.000	0.000	5,024.975	Not Full	No	-1.545	22.025
103	<input type="checkbox"/>	ECF1_108	5,032.950	116,639.956	382,161.456	0.000	5,017.997	Not Full	No	-1.833	14.953
104	<input type="checkbox"/>	ECF1_118	5,028.750	0.000	0.000	0.000	5,020.782	Not Full	No	-0.508	7.968
105	<input type="checkbox"/>	ECF1_119	5,026.890	0.000	0.000	0.000	5,018.238	Not Full	Yes	-0.492	8.652
106	<input type="checkbox"/>	ECF1_2271	5,029.400	46,545.102	170,919.906	0.000	5,010.488	Not Full	Yes	-1.282	18.912
107	<input type="checkbox"/>	ECF1_24	5,038.000	0.000	0.000	0.000	5,028.084	Not Full	No	-1.316	9.916
108	<input type="checkbox"/>	ECF1_25	5,035.470	0.000	0.000	0.000	5,026.572	Not Full	No	-1.498	8.898
109	<input type="checkbox"/>	ECF1_26	5,036.230	0.000	0.000	0.000	5,023.934	Not Full	No	-1.676	12.296
110	<input type="checkbox"/>	ECF1_27	5,033.480	0.000	0.000	0.000	5,022.208	Not Full	No	-1.862	11.272
111	<input type="checkbox"/>	ECF1_28	5,032.150	0.000	0.000	0.000	5,014.832	Not Full	No	-1.838	17.318
112	<input type="checkbox"/>	ECF1_29	5,030.800	0.000	0.000	0.000	5,011.601	Not Full	No	-1.769	19.199
113	<input type="checkbox"/>	ECF1_44	5,039.800	0.000	0.000	0.000	5,027.446	Not Full	No	-1.304	12.354
114	<input type="checkbox"/>	ECF1_97	5,040.000	0.000	0.000	0.000	5,027.059	Not Full	No	-1.341	12.941
115	<input type="checkbox"/>	ECF1A2_131	5,060.000	24,164.631	91,288.766	0.000	5,048.891	Not Full	No	-0.439	11.109
116	<input type="checkbox"/>	ECF1A2_132	5,059.800	0.000	0.000	0.000	5,046.778	Not Full	Yes	-0.352	13.022
117	<input type="checkbox"/>	ECF21_120	5,065.390	226,974.155	670,666.550	0.000	5,056.175	Not Full	No	-0.385	9.215
118	<input type="checkbox"/>	ECF21_121	5,065.000	0.000	0.000	0.000	5,054.936	Not Full	No	-0.344	10.064
119	<input type="checkbox"/>	ECF21_123	5,065.000	0.000	0.000	0.000	5,053.489	Not Full	No	-0.391	11.511
120	<input type="checkbox"/>	ECF21_124	5,065.000	0.000	0.000	0.000	5,051.967	Not Full	No	-0.383	13.033
121	<input type="checkbox"/>	ECF21_130	5,062.000	0.000	0.000	0.000	5,050.497	Not Full	No	-0.333	11.503
122	<input type="checkbox"/>	ECF21_131	5,050.560	0.000	0.000	0.000	5,033.260	Not Full	No	-0.507	17.300
123	<input type="checkbox"/>	ECF21_132	5,050.500	0.000	0.000	0.000	5,032.165	Not Full	No	-0.502	18.335

FULL BUILDOUT W/ I/I - MANHOLE TABLE

		ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
124	<input type="checkbox"/>	ECF21_133	5,050.800	0.000	0.000	0.000	5,030.169	Not Full	Yes	-1.331	20.631
125	<input type="checkbox"/>	ECF21_22A	5,054.700	0.000	0.000	0.000	5,033.207	Not Full	No	-1.303	21.493
126	<input type="checkbox"/>	ECF21_23	5,050.000	0.000	0.000	0.000	5,029.649	Not Full	No	-1.351	20.351
127	<input type="checkbox"/>	ECF21_24	5,050.000	0.000	0.000	0.000	5,029.928	Not Full	No	-1.332	20.072
128	<input type="checkbox"/>	ECF21_9	5,047.000	19,169.273	72,417.573	0.000	5,028.833	Not Full	No	-1.467	18.167
129	<input type="checkbox"/>	ECF3_217	5,026.385	0.000	0.000	0.000	5,017.270	Not Full	Yes	-0.835	9.115
130	<input type="checkbox"/>	ECF3_218	5,027.535	0.000	0.000	0.000	5,016.038	Not Full	No	-0.897	11.497
131	<input type="checkbox"/>	ECF4_133	5,060.500	0.000	0.000	0.000	5,044.799	Not Full	No	-0.381	15.701
132	<input type="checkbox"/>	ECF4_134	5,053.280	0.000	0.000	0.000	5,043.298	Not Full	No	0.318	9.982
133	<input type="checkbox"/>	ECF4_135	5,056.270	25,839.350	97,616.123	0.000	5,042.114	Not Full	Yes	-0.406	14.156
134	<input type="checkbox"/>	ECF5_204	5,046.995	0.000	0.000	0.000	5,036.106	Not Full	No	-1.069	10.889
135	<input type="checkbox"/>	ECF5_205	5,049.085	0.000	0.000	0.000	5,035.178	Not Full	No	-1.069	13.907
136	<input type="checkbox"/>	ECF5_208	5,047.375	0.000	0.000	0.000	5,032.747	Not Full	No	-1.068	14.628
137	<input type="checkbox"/>	ECF5_209	5,042.395	0.000	0.000	0.000	5,032.282	Not Full	Yes	-0.893	10.113
138	<input type="checkbox"/>	ECF5_213	5,046.395	0.000	0.000	0.000	5,031.722	Not Full	No	-0.893	14.673
139	<input type="checkbox"/>	ECF5_214	5,041.285	60,294.217	218,478.826	0.000	5,031.141	Not Full	No	-0.904	10.144
140	<input type="checkbox"/>	ECF5_215	5,041.125	0.000	0.000	0.000	5,029.599	Not Full	No	-1.076	11.526
141	<input type="checkbox"/>	ECF5_216	5,036.155	0.000	0.000	0.000	5,023.099	Not Full	No	-1.076	13.056
142	<input type="checkbox"/>	EHF1_2	5,109.900	0.000	0.000	0.000	5,099.387	Not Full	No	-0.380	10.513
143	<input type="checkbox"/>	EHF1_3	5,108.400	0.000	0.000	0.000	5,100.547	Not Full	No	-0.420	7.853
144	<input type="checkbox"/>	EHF1_4	5,112.700	0.000	0.000	0.000	5,101.945	Not Full	Yes	-0.422	10.755
145	<input type="checkbox"/>	EHF1_5	5,115.000	0.000	0.000	0.000	5,103.569	Not Full	No	-0.498	11.431
146	<input type="checkbox"/>	EHF1_6	5,118.300	0.000	0.000	0.000	5,107.043	Not Full	No	-0.524	11.257
147	<input type="checkbox"/>	EHF1_7	5,127.100	0.000	0.000	0.000	5,114.648	Not Full	No	-0.518	12.452
148	<input type="checkbox"/>	EHF1_8	5,131.700	0.000	0.000	0.000	5,120.468	Not Full	No	-0.498	11.232
149	<input type="checkbox"/>	EHF10_11	5,145.910	0.000	0.000	0.000	5,131.882	Not Full	No	-0.495	14.028
150	<input type="checkbox"/>	EHF10_12	5,147.180	0.000	0.000	0.000	5,132.958	Not Full	No	-0.459	14.222
151	<input type="checkbox"/>	EHF10_13	5,149.870	0.000	0.000	0.000	5,135.144	Not Full	No	-0.492	14.726
152	<input type="checkbox"/>	EHF10_14	5,149.450	0.000	0.000	0.000	5,136.360	Not Full	No	-0.447	13.090
153	<input type="checkbox"/>	EHF10_15	5,150.380	0.000	0.000	0.000	5,137.591	Not Full	No	-0.445	12.789
154	<input type="checkbox"/>	EHF10_16	5,151.800	0.000	0.000	0.000	5,138.791	Not Full	No	-0.446	13.009
155	<input type="checkbox"/>	EHF10_17	5,152.630	0.000	0.000	0.000	5,139.553	Not Full	No	-0.434	13.077
156	<input type="checkbox"/>	EHF10_18	5,153.120	0.000	0.000	0.000	5,140.046	Not Full	Yes	-0.441	13.074
157	<input type="checkbox"/>	EHF11_146	5,162.560	38,879.985	144,403.146	0.000	5,146.423	Not Full	No	-0.444	16.137
158	<input type="checkbox"/>	EHF11_147	5,158.690	0.000	0.000	0.000	5,145.384	Not Full	No	-0.463	13.306
159	<input type="checkbox"/>	EHF11_148	5,153.110	0.000	0.000	0.000	5,143.257	Not Full	No	-0.470	9.853
160	<input type="checkbox"/>	EHF3_10	5,147.800	0.000	0.000	0.000	5,136.343	Not Full	No	-0.524	11.457
161	<input type="checkbox"/>	EHF3_11	5,159.100	0.000	0.000	0.000	5,146.547	Not Full	No	-0.519	12.553
162	<input type="checkbox"/>	EHF3_12	5,169.300	0.000	0.000	0.000	5,149.602	Not Full	No	-0.465	19.698
163	<input type="checkbox"/>	EHF3_42	5,168.000	0.000	0.000	0.000	5,150.646	Not Full	Yes	-0.421	17.354
164	<input type="checkbox"/>	EHF3_9	5,136.500	0.000	0.000	0.000	5,125.180	Not Full	No	-0.486	11.320

FULL BUILDOUT W/ I/I - MANHOLE TABLE

		ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
165	<input type="checkbox"/>	EHF4_1	5,109.600	0.000	0.000	0.000	5,098.761	Not Full	No	-0.506	10.839
166	<input type="checkbox"/>	EHF7_1	5,166.480	0.000	0.000	0.000	5,151.667	Not Full	No	-0.429	14.813
167	<input type="checkbox"/>	EHF7_6	5,164.680	46,710.702	171,490.918	0.000	5,153.270	Not Full	No	-0.427	11.410
168	<input type="checkbox"/>	EHF9_1	5,078.280	0.000	0.000	0.000	5,068.410	Not Full	No	-0.536	9.870
169	<input type="checkbox"/>	EHF9_10	5,140.060	0.000	0.000	0.000	5,128.206	Not Full	No	-0.481	11.854
170	<input type="checkbox"/>	EHF9_19	5,155.080	0.000	0.000	0.000	5,141.764	Not Full	No	-0.453	13.316
171	<input type="checkbox"/>	EHF9_2	5,102.420	0.000	0.000	0.000	5,085.916	Not Full	No	-0.541	16.504
172	<input type="checkbox"/>	EHF9_3	5,107.570	0.000	0.000	0.000	5,095.694	Not Full	No	-0.542	11.876
173	<input type="checkbox"/>	EHF9_4	5,118.840	0.000	0.000	0.000	5,103.565	Not Full	No	-0.541	15.275
174	<input type="checkbox"/>	EHF9_5	5,127.680	0.000	0.000	0.000	5,115.785	Not Full	No	-0.542	11.895
175	<input type="checkbox"/>	EHF9_6	5,127.520	0.000	0.000	0.000	5,117.180	Not Full	No	-0.477	10.340
176	<input type="checkbox"/>	EHF9_7	5,137.990	0.000	0.000	0.000	5,123.717	Not Full	No	-0.529	14.273
177	<input type="checkbox"/>	EHF9_8	5,137.740	0.000	0.000	0.000	5,125.596	Not Full	No	-0.491	12.144
178	<input type="checkbox"/>	EHF9_9	5,139.150	0.000	0.000	0.000	5,127.326	Not Full	No	-0.491	11.824
179	<input type="checkbox"/>	EP_1	5,194.550	54,015.820	196,760.362	0.000	5,181.981	Not Full	No	-0.486	12.569
180	<input type="checkbox"/>	EP_2	5,134.160	148,970.824	469,968.195	0.000	5,121.182	Not Full	No	-0.294	12.978
181	<input type="checkbox"/>	EP_3	5,114.460	0.000	0.000	0.000	5,101.966	Not Full	No	-0.310	12.494
182	<input type="checkbox"/>	EVF1_7	4,998.450	50,759.981	185,499.555	0.000	4,988.422	Not Full	No	-0.561	10.028
183	<input type="checkbox"/>	EVF1A1_51	5,012.830	0.000	0.000	0.000	4,997.174	Not Full	No	-1.006	15.656
184	<input type="checkbox"/>	EVF1A1_52	5,010.640	0.000	0.000	0.000	4,996.571	Not Full	No	-0.689	14.069
185	<input type="checkbox"/>	EVF1A2_1	5,014.410	0.000	0.000	0.000	4,997.999	Not Full	No	-0.801	16.411
186	<input type="checkbox"/>	EVF1A2_50	5,014.510	0.000	0.000	0.000	4,997.870	Not Full	No	-0.730	16.640
187	<input type="checkbox"/>	EVF2_1A	4,997.540	0.000	0.000	0.000	4,985.020	Not Full	No	-1.000	12.520
188	<input type="checkbox"/>	EVF2_2	4,996.690	0.000	0.000	0.000	4,985.221	Not Full	Yes	-0.759	11.469
189	<input type="checkbox"/>	EVF2_3	4,996.740	0.000	0.000	0.000	4,986.277	Not Full	No	-0.803	10.463
190	<input type="checkbox"/>	EVF2_4	4,998.320	0.000	0.000	0.000	4,986.423	Not Full	No	-0.551	11.897
191	<input type="checkbox"/>	EVF2_4A	4,994.440	16,469.274	62,218.057	0.000	4,983.355	Not Full	No	-0.655	11.085
192	<input type="checkbox"/>	EVF2_5	4,994.950	0.000	0.000	0.000	4,983.906	Not Full	No	-0.734	11.044
193	<input type="checkbox"/>	EVF2_5A	4,998.320	0.000	0.000	0.000	4,987.036	Not Full	No	-0.567	11.284
194	<input type="checkbox"/>	EVF2_6	4,997.130	0.000	0.000	0.000	4,987.734	Not Full	No	-0.560	9.396
195	<input type="checkbox"/>	EVF2_6A	4,995.080	0.000	0.000	0.000	4,984.117	Not Full	No	-0.763	10.963
196	<input type="checkbox"/>	EVF2_7	4,995.890	0.000	0.000	0.000	4,984.380	Not Full	No	-0.730	11.510
197	<input type="checkbox"/>	EVF2_8	4,996.820	0.000	0.000	0.000	4,984.684	Not Full	No	-0.746	12.136
198	<input type="checkbox"/>	EVF3_47	5,015.880	0.000	0.000	0.000	4,998.847	Not Full	No	-0.783	17.033
199	<input type="checkbox"/>	EVF3_48	5,014.910	0.000	0.000	0.000	4,998.337	Not Full	No	-0.793	16.573
200	<input type="checkbox"/>	EVF4_46	5,017.080	54,776.139	199,390.930	0.000	4,999.360	Not Full	No	-0.790	17.720
201	<input type="checkbox"/>	FMF4_4_4	5,116.700	0.000	0.000	0.000	5,105.366	Not Full	No	-0.634	11.334
202	<input type="checkbox"/>	FMF6_1	5,127.260	0.000	0.000	0.000	5,114.705	Not Full	No	-0.502	12.555
203	<input type="checkbox"/>	FMF6_2	5,129.260	0.000	0.000	0.000	5,116.780	Not Full	No	-0.407	12.480
204	<input type="checkbox"/>	FMF6_4_6	5,124.560	51,839.980	189,233.854	0.000	5,106.556	Not Full	Yes	-0.644	18.004
205	<input type="checkbox"/>	FMF7_3	5,131.760	0.000	0.000	0.000	5,119.537	Not Full	No	-0.390	12.223

FULL BUILDOUT W/ I/I - MANHOLE TABLE

		ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
206	<input type="checkbox"/>	FMF7_4	5,136.220	0.000	0.000	0.000	5,123.599	Not Full	No	-0.387	12.621
207	<input type="checkbox"/>	FMF7_5	5,140.390	0.000	0.000	0.000	5,127.244	Not Full	No	-0.393	13.146
208	<input type="checkbox"/>	FMF8_1	5,148.970	0.000	0.000	0.000	5,136.236	Not Full	No	-0.501	12.734
209	<input type="checkbox"/>	FMF8_10	5,160.550	0.000	0.000	0.000	5,145.632	Not Full	No	-0.325	14.918
210	<input type="checkbox"/>	FMF8_11	5,159.940	49,139.981	179,894.282	0.000	5,146.082	Not Full	No	-0.325	13.858
211	<input type="checkbox"/>	FMF8_2	5,149.930	0.000	0.000	0.000	5,137.287	Not Full	No	-0.399	12.643
212	<input type="checkbox"/>	FMF8_3	5,151.500	0.000	0.000	0.000	5,138.942	Not Full	No	-0.405	12.558
213	<input type="checkbox"/>	FMF8_4	5,153.490	0.000	0.000	0.000	5,140.067	Not Full	No	-0.389	13.423
214	<input type="checkbox"/>	FMF8_6	5,146.040	0.000	0.000	0.000	5,130.135	Not Full	No	-0.432	15.905
215	<input type="checkbox"/>	FMF8_8	5,155.950	0.000	0.000	0.000	5,143.597	Not Full	No	-0.430	12.353
216	<input type="checkbox"/>	FMF8_9	5,159.460	0.000	0.000	0.000	5,145.030	Not Full	No	-0.336	14.430
217	<input type="checkbox"/>	FMF9_1	5,189.630	0.000	0.000	0.000	5,172.361	Not Full	No	-0.412	17.269
218	<input type="checkbox"/>	FMF9_10	5,162.750	0.000	0.000	0.000	5,153.955	Not Full	No	-0.492	8.795
219	<input type="checkbox"/>	FMF9_11	5,164.610	0.000	0.000	0.000	5,150.558	Not Full	No	-0.469	14.052
220	<input type="checkbox"/>	FMF9_12	5,162.750	0.000	0.000	0.000	5,148.457	Not Full	No	-0.469	14.293
221	<input type="checkbox"/>	FMF9_13	5,162.520	0.000	0.000	0.000	5,147.932	Not Full	No	-0.475	14.588
222	<input type="checkbox"/>	FMF9_15	5,172.560	37,385.266	139,232.949	0.000	5,159.792	Not Full	No	-0.465	12.768
223	<input type="checkbox"/>	FMF9_22	5,178.510	0.000	0.000	0.000	5,158.055	Not Full	Yes	-0.432	20.455
224	<input type="checkbox"/>	FMF9_23	5,173.130	0.000	0.000	0.000	5,159.328	Not Full	No	-0.468	13.802
225	<input type="checkbox"/>	FMF9_3	5,162.290	0.000	0.000	0.000	5,147.349	Not Full	Yes	-0.448	14.941
226	<input type="checkbox"/>	FMF9_35	5,174.800	0.000	0.000	0.000	5,158.871	Not Full	No	-0.455	15.929
227	<input type="checkbox"/>	FMF9_9	5,174.730	0.000	0.000	0.000	5,156.454	Not Full	No	-0.473	18.276
228	<input type="checkbox"/>	GVF1_0	5,069.880	20,519.992	77,518.051	0.000	5,061.178	Not Full	No	-0.519	8.702
229	<input type="checkbox"/>	GVF1_100	5,086.630	0.000	0.000	0.000	5,074.891	Not Full	No	-0.376	11.739
230	<input type="checkbox"/>	GVF1_101	5,083.880	0.000	0.000	0.000	5,072.222	Not Full	No	-0.324	11.658
231	<input type="checkbox"/>	GVF1_102	5,079.520	0.000	0.000	0.000	5,067.940	Not Full	No	-0.316	11.580
232	<input type="checkbox"/>	GVF1_103	5,078.780	0.000	0.000	0.000	5,067.157	Not Full	No	-0.280	11.623
233	<input type="checkbox"/>	GVF1_104	5,078.130	0.000	0.000	0.000	5,066.449	Not Full	No	-0.388	11.681
234	<input type="checkbox"/>	GVF1_105	5,074.200	0.000	0.000	0.000	5,062.402	Not Full	No	-0.415	11.798
235	<input type="checkbox"/>	GVF1_106	5,071.440	0.000	0.000	0.000	5,059.628	Not Full	No	-0.399	11.812
236	<input type="checkbox"/>	GVF1_107	5,070.010	0.000	0.000	0.000	5,058.058	Not Full	No	-0.419	11.952
237	<input type="checkbox"/>	GVF1_108	5,064.570	0.000	0.000	0.000	5,052.807	Not Full	No	-0.370	11.763
238	<input type="checkbox"/>	GVF1_109	5,062.860	0.000	0.000	0.000	5,050.535	Not Full	No	-0.471	12.325
239	<input type="checkbox"/>	GVF1_111	5,041.130	0.000	0.000	0.000	5,029.745	Not Full	No	-0.351	11.385
240	<input type="checkbox"/>	GVF1_113	5,037.460	0.000	0.000	0.000	5,025.785	Not Full	No	-0.292	11.675
241	<input type="checkbox"/>	GVF1_114	5,036.980	0.000	0.000	0.000	5,025.186	Not Full	No	-0.301	11.794
242	<input type="checkbox"/>	GVF1_115	5,036.250	0.000	0.000	0.000	5,024.223	Not Full	No	-0.324	12.027
243	<input type="checkbox"/>	GVF1_116	5,036.640	0.000	0.000	0.000	5,023.381	Not Full	Yes	-0.479	13.259
244	<input type="checkbox"/>	GVF1_117	5,036.520	65,610.695	235,141.999	0.000	5,022.977	Not Full	No	-0.523	13.543
245	<input type="checkbox"/>	GVF1_36	5,063.750	0.000	0.000	0.000	5,049.796	Not Full	No	-0.431	13.954
246	<input type="checkbox"/>	GVF1_37	5,061.780	0.000	0.000	0.000	5,047.670	Not Full	No	-0.416	14.110

FULL BUILDOUT W/ I/I - MANHOLE TABLE

		ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
247	<input type="checkbox"/>	GVF1_40	5,062.570	0.000	0.000	0.000	5,046.658	Not Full	No	-0.429	15.912
248	<input type="checkbox"/>	GVF1_41	5,060.770	0.000	0.000	0.000	5,045.718	Not Full	No	-0.458	15.052
249	<input type="checkbox"/>	GVF1_48	5,053.840	0.000	0.000	0.000	5,041.979	Not Full	No	-0.458	11.861
250	<input type="checkbox"/>	GVF1_50	5,052.490	0.000	0.000	0.000	5,039.650	Not Full	No	-0.467	12.840
251	<input type="checkbox"/>	GVF1_51	5,052.020	42,767.984	157,852.741	0.000	5,035.169	Not Full	Yes	-0.495	16.851
252	<input type="checkbox"/>	GVF1_52	5,051.260	0.000	0.000	0.000	5,034.350	Not Full	No	-0.503	16.910
253	<input type="checkbox"/>	GVF1_53	5,049.200	0.000	0.000	0.000	5,033.832	Not Full	No	-0.531	15.368
254	<input type="checkbox"/>	GVF1_56	5,047.700	0.000	0.000	0.000	5,033.225	Not Full	Yes	-0.488	14.475
255	<input type="checkbox"/>	GVF1_57	5,046.840	0.000	0.000	0.000	5,032.845	Not Full	No	-0.489	13.995
256	<input type="checkbox"/>	GVF1_58	5,044.590	0.000	0.000	0.000	5,032.122	Not Full	No	-0.521	12.468
257	<input type="checkbox"/>	GVF1_59	5,042.030	0.000	0.000	0.000	5,031.174	Not Full	Yes	-0.510	10.856
258	<input type="checkbox"/>	GVF1_60	5,038.910	0.000	0.000	0.000	5,030.135	Not Full	No	-0.645	8.775
259	<input type="checkbox"/>	GVF1_61	5,040.570	0.000	0.000	0.000	5,029.503	Not Full	No	-0.697	11.067
260	<input type="checkbox"/>	GVF1_78	5,041.100	0.000	0.000	0.000	5,029.027	Not Full	No	-0.623	12.073
261	<input type="checkbox"/>	GVF1_80	5,041.000	0.000	0.000	0.000	5,028.343	Not Full	No	-0.627	12.657
262	<input type="checkbox"/>	GVF1_90	5,038.390	0.000	0.000	0.000	5,027.608	Not Full	No	-0.642	10.782
263	<input type="checkbox"/>	GVF1_91	5,037.800	0.000	0.000	0.000	5,027.236	Not Full	No	-0.784	10.564
264	<input type="checkbox"/>	GVF1_95	5,106.750	112,050.678	369,319.768	0.000	5,094.327	Not Full	No	-0.360	12.423
265	<input type="checkbox"/>	GVF1_96	5,104.310	0.000	0.000	0.000	5,092.597	Not Full	No	-0.400	11.713
266	<input type="checkbox"/>	GVF1_97	5,099.330	0.000	0.000	0.000	5,087.691	Not Full	No	-0.406	11.639
267	<input type="checkbox"/>	GVF1_98	5,095.600	0.000	0.000	0.000	5,083.566	Not Full	No	-0.431	12.034
268	<input type="checkbox"/>	GVF1_99	5,090.720	0.000	0.000	0.000	5,078.876	Not Full	No	-0.431	11.844
269	<input type="checkbox"/>	HWY52_1	5,018.000	100,997.242	338,391.757	0.000	5,004.866	Not Full	No	-0.894	13.134
270	<input type="checkbox"/>	HWY52_10	4,949.000	15,299.994	57,800.138	0.000	4,936.877	Not Full	No	-0.623	12.123
271	<input type="checkbox"/>	HWY52_11	4,945.000	127,748.112	412,883.809	0.000	4,933.551	Not Full	No	-0.599	11.449
272	<input type="checkbox"/>	HWY52_12	4,942.120	0.000	0.000	0.000	4,930.060	Not Full	No	-1.090	12.060
273	<input type="checkbox"/>	HWY52_2	5,035.250	0.000	0.000	0.000	5,000.139	Not Full	No	-0.971	35.111
274	<input type="checkbox"/>	HWY52_3	5,025.320	0.000	0.000	0.000	4,998.067	Not Full	No	-0.983	27.253
275	<input type="checkbox"/>	HWY52_4	5,010.170	0.000	0.000	0.000	4,992.255	Not Full	Yes	-0.895	17.915
276	<input type="checkbox"/>	HWY52_5	5,002.380	534,926.679	1,383,377.747	0.000	4,981.920	Not Full	No	-1.270	20.460
277	<input type="checkbox"/>	HWY52_6	4,990.000	0.000	0.000	0.000	4,972.481	Not Full	No	-0.759	17.519
278	<input type="checkbox"/>	HWY52_7	4,977.000	0.000	0.000	0.000	4,965.210	Not Full	No	-0.760	11.790
279	<input type="checkbox"/>	HWY52_8	4,979.360	166,625.217	516,540.443	0.000	4,960.108	Not Full	No	-1.042	19.252
280	<input type="checkbox"/>	HWY52_9	4,948.500	0.000	0.000	0.000	4,939.711	Not Full	Yes	-0.609	8.789
281	<input type="checkbox"/>	I25_1	5,220.000	63,740.136	229,621.442	0.000	5,206.736	Not Full	No	-0.430	13.264
282	<input type="checkbox"/>	I25_10	5,156.010	0.000	0.000	0.000	5,147.758	Not Full	Yes	-0.522	8.252
283	<input type="checkbox"/>	I25_11	5,154.000	0.000	0.000	0.000	5,146.804	Not Full	No	-0.546	7.196
284	<input type="checkbox"/>	I25_12	5,155.000	0.000	0.000	0.000	5,145.499	Not Full	No	-0.521	9.501
285	<input type="checkbox"/>	I25_13	5,155.070	0.000	0.000	0.000	5,145.169	Not Full	No	-0.511	9.901
286	<input type="checkbox"/>	I25_14	5,157.090	244,366.468	713,875.104	0.000	5,144.942	Not Full	No	-0.328	12.148
287	<input type="checkbox"/>	I25_15	5,158.050	0.000	0.000	0.000	5,144.539	Not Full	No	-0.331	13.511

FULL BUILDOUT W/ I/I - MANHOLE TABLE

		ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
288	<input type="checkbox"/>	I25_16	5,176.000	0.000	0.000	0.000	5,143.214	Not Full	No	-0.326	32.786
289	<input type="checkbox"/>	I25_17	5,153.000	177,776.573	545,615.645	0.000	5,140.804	Not Full	No	-1.016	12.196
290	<input type="checkbox"/>	I25_18	5,120.000	0.000	0.000	0.000	5,106.908	Not Full	No	-0.992	13.092
291	<input type="checkbox"/>	I25_19	5,101.320	139,158.668	443,575.993	0.000	5,092.918	Not Full	Yes	-0.582	8.402
292	<input type="checkbox"/>	I25_2	5,192.000	249,907.586	727,588.947	0.000	5,178.892	Not Full	No	-0.274	13.108
293	<input type="checkbox"/>	I25_20	5,100.300	0.000	0.000	0.000	5,091.239	Not Full	No	-0.581	9.061
294	<input type="checkbox"/>	I25_21	5,104.180	0.000	0.000	0.000	5,086.426	Not Full	No	-0.724	17.754
295	<input type="checkbox"/>	I25_22	5,091.630	0.000	0.000	0.000	5,079.393	Not Full	No	-0.887	12.237
296	<input type="checkbox"/>	I25_23	5,065.480	148,924.744	469,843.275	0.000	5,053.612	Not Full	No	-0.618	11.868
297	<input type="checkbox"/>	I25_24	5,058.000	0.000	0.000	0.000	5,046.189	Not Full	Yes	-0.711	11.811
298	<input type="checkbox"/>	I25_25	5,060.930	0.000	0.000	0.000	5,045.017	Not Full	No	-0.713	15.913
299	<input type="checkbox"/>	I25_26	5,061.820	154,272.902	484,229.122	0.000	5,043.576	Not Full	No	-1.004	18.244
300	<input type="checkbox"/>	I25_27	5,053.670	0.000	0.000	0.000	5,040.531	Not Full	No	-0.839	13.139
301	<input type="checkbox"/>	I25_28	5,057.640	0.000	0.000	0.000	5,039.010	Not Full	No	-0.740	18.630
302	<input type="checkbox"/>	I25_29	5,053.000	155,809.381	488,338.226	0.000	5,037.463	Not Full	No	-1.187	15.537
303	<input type="checkbox"/>	I25_3	5,183.000	0.000	0.000	0.000	5,169.985	Not Full	Yes	-0.415	13.015
304	<input type="checkbox"/>	I25_30	5,029.050	127,316.112	411,721.225	0.000	5,019.223	Not Full	Yes	-0.667	9.827
305	<input type="checkbox"/>	I25_31	5,046.550	0.000	0.000	0.000	5,016.349	Not Full	No	-0.671	30.201
306	<input type="checkbox"/>	I25_32	5,046.000	0.000	0.000	0.000	5,015.643	Not Full	No	-0.667	30.357
307	<input type="checkbox"/>	I25_33	5,050.000	0.000	0.000	0.000	5,015.012	Not Full	No	-0.668	34.988
308	<input type="checkbox"/>	I25_34	5,033.000	0.000	0.000	0.000	5,013.353	Not Full	No	-0.667	19.647
309	<input type="checkbox"/>	I25_35	5,033.180	0.000	0.000	0.000	5,011.522	Not Full	No	-0.848	21.658
310	<input type="checkbox"/>	I25_36	5,024.780	0.000	0.000	0.000	5,007.683	Not Full	Yes	-0.707	17.097
311	<input type="checkbox"/>	I25_4	5,181.940	171,387.295	528,957.028	0.000	5,168.912	Not Full	No	-0.488	13.028
312	<input type="checkbox"/>	I25_5	5,180.000	0.000	0.000	0.000	5,166.914	Not Full	No	-0.486	13.086
313	<input type="checkbox"/>	I25_6	5,176.000	0.000	0.000	0.000	5,163.927	Not Full	No	-0.473	12.073
314	<input type="checkbox"/>	I25_7	5,172.980	0.000	0.000	0.000	5,160.618	Not Full	No	-0.472	12.362
315	<input type="checkbox"/>	I25_8	5,171.000	0.000	0.000	0.000	5,158.112	Not Full	Yes	-0.538	12.888
316	<input type="checkbox"/>	I25_9	5,168.930	316,012.201	886,952.981	0.000	5,155.926	Not Full	No	-0.654	13.004
317	<input type="checkbox"/>	KEF1_1	4,993.140	0.000	0.000	0.000	4,982.472	Not Full	No	-0.578	10.668
318	<input type="checkbox"/>	KEF1_10	4,994.650	6,479.998	24,481.431	0.000	4,982.857	Not Full	No	-0.893	11.793
319	<input type="checkbox"/>	KEF1_1A	4,992.460	0.000	0.000	0.000	4,987.630	Not Full	No	-1.000	4.830
320	<input type="checkbox"/>	KEF1_2	4,992.940	0.000	0.000	0.000	4,982.720	Not Full	No	-0.560	10.220
321	<input type="checkbox"/>	KEF1_2A	4,993.170	0.000	0.000	0.000	4,986.910	Not Full	No	-1.000	6.260
322	<input type="checkbox"/>	KEF1_3	4,992.980	0.000	0.000	0.000	4,982.782	Not Full	No	-0.628	10.198
323	<input type="checkbox"/>	KEF1_3A	4,992.130	0.000	0.000	0.000	4,986.450	Not Full	No	-1.000	5.680
324	<input type="checkbox"/>	KEF1_4	4,992.310	0.000	0.000	0.000	4,985.750	Not Full	No	-1.000	6.560
325	<input type="checkbox"/>	KEF1_5	4,991.820	0.000	0.000	0.000	4,985.470	Not Full	No	-1.000	6.350
326	<input type="checkbox"/>	KEF1_6	4,991.120	0.000	0.000	0.000	4,985.080	Not Full	No	-1.000	6.040
327	<input type="checkbox"/>	KEF1_7	4,992.280	0.000	0.000	0.000	4,984.100	Not Full	No	-1.000	8.180
328	<input type="checkbox"/>	KEF1_8	4,992.920	0.000	0.000	0.000	4,983.870	Not Full	No	-1.000	9.050

FULL BUILDOUT W/ I/I - MANHOLE TABLE

		ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
329	<input type="checkbox"/>	KEF1_80	4,993.540	0.000	0.000	0.000	4,982.039	Not Full	No	-0.591	11.501
330	<input type="checkbox"/>	KEF1_81	4,992.760	0.000	0.000	0.000	4,981.724	Not Full	No	-0.586	11.036
331	<input type="checkbox"/>	KEF1_82	4,990.810	0.000	0.000	0.000	4,981.023	Not Full	No	-0.557	9.787
332	<input type="checkbox"/>	KEF1_83	4,989.710	0.000	0.000	0.000	4,980.348	Not Full	No	-0.682	9.362
333	<input type="checkbox"/>	KEF1_9	4,994.310	0.000	0.000	0.000	4,983.190	Not Full	No	-1.000	11.120
334	<input type="checkbox"/>	KFF1_10	4,997.270	63,990.696	230,360.489	0.000	4,983.961	Not Full	No	-0.669	13.309
335	<input type="checkbox"/>	KFF1_11	4,998.630	0.000	0.000	0.000	4,984.070	Not Full	No	-1.000	14.560
336	<input type="checkbox"/>	KFF1_14	5,000.070	0.000	0.000	0.000	4,984.910	Not Full	No	-1.000	15.160
337	<input type="checkbox"/>	KFF1_15	5,000.120	0.000	0.000	0.000	4,986.020	Not Full	No	-1.000	14.100
338	<input type="checkbox"/>	KFF1_16	5,001.010	0.000	0.000	0.000	4,986.750	Not Full	No	-1.000	14.260
339	<input type="checkbox"/>	KFF1_9	4,995.240	0.000	0.000	0.000	4,983.352	Not Full	No	-0.688	11.888
340	<input type="checkbox"/>	LCFA_1	5,012.427	0.000	0.000	0.000	4,996.985	Not Full	Yes	-0.965	15.442
341	<input type="checkbox"/>	LCFA_10	5,023.387	0.000	0.000	0.000	5,010.599	Not Full	No	-0.435	12.788
342	<input type="checkbox"/>	LCFA_11	5,026.087	0.000	0.000	0.000	5,013.419	Not Full	No	-0.435	12.668
343	<input type="checkbox"/>	LCFA_12	5,027.167	0.000	0.000	0.000	5,014.425	Not Full	No	-0.418	12.742
344	<input type="checkbox"/>	LCFA_13	5,028.197	0.000	0.000	0.000	5,015.662	Not Full	No	-0.441	12.535
345	<input type="checkbox"/>	LCFA_14	5,030.217	0.000	0.000	0.000	5,017.406	Not Full	No	-0.427	12.811
346	<input type="checkbox"/>	LCFA_15	5,031.377	0.000	0.000	0.000	5,018.735	Not Full	No	-0.429	12.642
347	<input type="checkbox"/>	LCFA_16	5,033.227	0.000	0.000	0.000	5,020.413	Not Full	No	-0.451	12.814
348	<input type="checkbox"/>	LCFA_17	5,041.107	52,140.940	190,276.794	0.000	5,029.164	Not Full	No	-0.510	11.943
349	<input type="checkbox"/>	LCFA_3	5,013.587	0.000	0.000	0.000	5,002.042	Not Full	No	-0.451	11.545
350	<input type="checkbox"/>	LCFA_4	5,016.087	0.000	0.000	0.000	5,003.278	Not Full	No	-0.286	12.809
351	<input type="checkbox"/>	LCFA_5	5,016.697	11,339.996	42,841.424	0.000	5,004.671	Not Full	No	-0.293	12.026
352	<input type="checkbox"/>	LCFA_6	5,018.577	0.000	0.000	0.000	5,005.643	Not Full	Yes	-0.341	12.934
353	<input type="checkbox"/>	LCFA_7	5,018.577	0.000	0.000	0.000	5,006.616	Not Full	No	-0.368	11.961
354	<input type="checkbox"/>	LCFA_8	5,019.587	0.000	0.000	0.000	5,007.426	Not Full	No	-0.428	12.161
355	<input type="checkbox"/>	LCFA_9	5,020.547	0.000	0.000	0.000	5,008.077	Not Full	No	-0.417	12.470
356	<input type="checkbox"/>	LCFB_1	5,019.517	0.000	0.000	0.000	5,007.249	Not Full	Yes	-0.455	12.268
357	<input type="checkbox"/>	LCFB_2	5,020.547	0.000	0.000	0.000	5,008.248	Not Full	No	-0.475	12.299
358	<input type="checkbox"/>	LCFB_3	5,022.307	0.000	0.000	0.000	5,009.983	Not Full	No	-0.480	12.324
359	<input type="checkbox"/>	LCFB_4	5,023.587	32,130.708	121,054.937	0.000	5,010.917	Not Full	No	-0.486	12.670
360	<input type="checkbox"/>	NMS_1	5,190.130	0.000	0.000	0.000	5,180.150	Not Full	No	-0.623	9.980
361	<input type="checkbox"/>	NMS_10	5,211.030	0.000	0.000	0.000	5,203.003	Not Full	No	-0.600	8.027
362	<input type="checkbox"/>	NMS_11	5,214.550	0.000	0.000	0.000	5,207.306	Not Full	No	-0.497	7.244
363	<input type="checkbox"/>	NMS_12	5,217.140	0.000	0.000	0.000	5,210.727	Not Full	No	-0.476	6.413
364	<input type="checkbox"/>	NMS_13	5,223.610	0.000	0.000	0.000	5,214.127	Not Full	No	-0.476	9.483
365	<input type="checkbox"/>	NMS_14	5,225.100	0.000	0.000	0.000	5,215.216	Not Full	No	-0.487	9.884
366	<input type="checkbox"/>	NMS_15	5,226.430	0.000	0.000	0.000	5,216.705	Not Full	No	-0.498	9.725
367	<input type="checkbox"/>	NMS_16	5,233.130	0.000	0.000	0.000	5,219.661	Not Full	No	-0.462	13.469
368	<input type="checkbox"/>	NMS_17	5,241.740	0.000	0.000	0.000	5,226.419	Not Full	No	-0.554	15.321
369	<input type="checkbox"/>	NMS_18	5,250.320	0.000	0.000	0.000	5,237.545	Not Full	No	-0.588	12.775

FULL BUILDOUT W/ I/I - MANHOLE TABLE

		ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
370	<input type="checkbox"/>	NMS_19	5,252.800	0.000	0.000	0.000	5,240.971	Not Full	No	-0.582	11.829
371	<input type="checkbox"/>	NMS_2	5,190.240	0.000	0.000	0.000	5,183.863	Not Full	No	-0.600	6.377
372	<input type="checkbox"/>	NMS_20	5,251.790	170,099.936	525,599.802	0.000	5,242.236	Not Full	No	-0.497	9.554
373	<input type="checkbox"/>	NMS_3	5,191.230	0.000	0.000	0.000	5,185.306	Not Full	No	-0.498	5.924
374	<input type="checkbox"/>	NMS_4	5,195.030	0.000	0.000	0.000	5,188.206	Not Full	No	-0.497	6.824
375	<input type="checkbox"/>	NMS_5	5,196.680	0.000	0.000	0.000	5,190.001	Not Full	No	-0.583	6.679
376	<input type="checkbox"/>	NMS_6	5,198.380	0.000	0.000	0.000	5,191.901	Not Full	No	-0.582	6.479
377	<input type="checkbox"/>	NMS_7	5,200.000	0.000	0.000	0.000	5,193.761	Not Full	No	-0.582	6.239
378	<input type="checkbox"/>	NMS_8	5,203.910	0.000	0.000	0.000	5,198.046	Not Full	No	-0.497	5.864
379	<input type="checkbox"/>	NMS_9	5,210.370	0.000	0.000	0.000	5,201.642	Not Full	No	-0.481	8.728
380	<input type="checkbox"/>	OGF1_1	5,165.050	0.000	0.000	0.000	5,151.065	Not Full	No	-0.833	13.985
381	<input type="checkbox"/>	OGF1_17	5,150.610	0.000	0.000	0.000	5,138.985	Not Full	No	-0.833	11.625
382	<input type="checkbox"/>	OGF1_18	5,148.840	0.000	0.000	0.000	5,137.445	Not Full	No	-0.833	11.395
383	<input type="checkbox"/>	OGF1_2	5,160.050	0.000	0.000	0.000	5,146.865	Not Full	No	-0.833	13.185
384	<input type="checkbox"/>	OGF1_25	5,148.140	0.000	0.000	0.000	5,136.135	Not Full	No	-0.833	12.005
385	<input type="checkbox"/>	OGF1_3	5,159.350	0.000	0.000	0.000	5,146.225	Not Full	No	-0.833	13.125
386	<input type="checkbox"/>	OGF1_4	5,152.800	0.000	0.000	0.000	5,140.735	Not Full	No	-0.833	12.065
387	<input type="checkbox"/>	OGF1_5	5,150.890	0.000	0.000	0.000	5,139.645	Not Full	No	-0.833	11.245
388	<input type="checkbox"/>	OGF1_69	5,151.490	0.000	0.000	0.000	5,139.625	Not Full	Yes	-0.563	11.865
389	<input type="checkbox"/>	OGF1_70	5,150.690	0.000	0.000	0.000	5,138.978	Not Full	No	-0.560	11.712
390	<input type="checkbox"/>	OGF1_71	5,149.600	0.000	0.000	0.000	5,138.356	Not Full	No	-0.463	11.244
391	<input type="checkbox"/>	OGF1_72	5,148.590	0.000	0.000	0.000	5,137.876	Not Full	No	-0.602	10.714
392	<input type="checkbox"/>	OGF1_73	5,149.230	0.000	0.000	0.000	5,137.162	Not Full	Yes	-0.557	12.068
393	<input type="checkbox"/>	OGF1_74	5,148.230	0.000	0.000	0.000	5,135.956	Not Full	No	-0.603	12.274
394	<input type="checkbox"/>	OGF1_75	5,148.230	0.000	0.000	0.000	5,135.082	Not Full	No	-0.577	13.148
395	<input type="checkbox"/>	OGF2_29	5,177.635	0.000	0.000	0.000	5,163.791	Not Full	No	-0.551	13.844
396	<input type="checkbox"/>	OGF2_31	5,172.695	0.000	0.000	0.000	5,161.282	Not Full	No	-0.569	11.413
397	<input type="checkbox"/>	OGF2_32	5,167.395	0.000	0.000	0.000	5,155.855	Not Full	No	-0.567	11.540
398	<input type="checkbox"/>	OGF2_33	5,162.905	0.000	0.000	0.000	5,151.046	Not Full	No	-0.545	11.859
399	<input type="checkbox"/>	OGF2_34	5,162.905	0.000	0.000	0.000	5,149.336	Not Full	No	-0.545	13.569
400	<input type="checkbox"/>	OGF2_46	5,158.455	0.000	0.000	0.000	5,146.603	Not Full	No	-0.559	11.852
401	<input type="checkbox"/>	OGF2_49	5,156.745	0.000	0.000	0.000	5,144.612	Not Full	No	-0.550	12.133
402	<input type="checkbox"/>	OGF2_50	5,155.135	0.000	0.000	0.000	5,143.306	Not Full	Yes	-0.496	11.829
403	<input type="checkbox"/>	OGF2_65	5,153.045	53,082.700	193,532.460	0.000	5,142.980	Not Full	No	-0.519	10.065
404	<input type="checkbox"/>	OGF2_68	5,154.360	0.000	0.000	0.000	5,142.430	Not Full	No	-0.608	11.930
405	<input type="checkbox"/>	OTF1_101	5,021.153	0.000	0.000	0.000	5,004.293	Not Full	No	-1.000	16.860
406	<input type="checkbox"/>	OTF1_102	5,011.353	0.000	0.000	0.000	5,003.323	Not Full	No	-0.920	8.030
407	<input type="checkbox"/>	OTF1_103	5,010.453	0.000	0.000	0.000	5,003.323	Not Full	No	-0.660	7.130
408	<input type="checkbox"/>	OTF1_108	5,011.000	0.000	0.000	0.000	4,999.148	Not Full	No	-1.186	11.852
409	<input type="checkbox"/>	OTF1_30	5,023.393	0.000	0.000	0.000	5,016.723	Not Full	No	-0.667	6.670
410	<input type="checkbox"/>	OTF1_37	5,021.223	0.000	0.000	0.000	5,016.053	Not Full	No	-0.667	5.170

FULL BUILDOUT W/ I/I - MANHOLE TABLE

		ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
411	<input type="checkbox"/>	OTF1_43	5,019.833	69,484.294	246,573.487	0.000	5,014.653	Not Full	No	-0.347	5.180
412	<input type="checkbox"/>	OTF1_44	5,018.643	0.000	0.000	0.000	5,012.854	Not Full	No	-0.336	5.789
413	<input type="checkbox"/>	OTF1_46	5,021.543	0.000	0.000	0.000	5,015.263	Not Full	No	-0.833	6.280
414	<input type="checkbox"/>	OTF1_47	5,021.643	0.000	0.000	0.000	5,015.223	Not Full	No	-0.833	6.420
415	<input type="checkbox"/>	OTF1_48	5,019.783	0.000	0.000	0.000	5,013.303	Not Full	No	-0.833	6.480
416	<input type="checkbox"/>	OTF1_60A	5,011.220	0.000	0.000	0.000	4,993.361	Not Full	No	-1.329	17.859
417	<input type="checkbox"/>	OTF1_61A	5,011.010	0.000	0.000	0.000	4,993.009	Not Full	No	-1.361	18.001
418	<input type="checkbox"/>	OTF1_62	5,017.723	30,239.989	114,238.037	0.000	5,012.209	Not Full	No	-0.617	5.514
419	<input type="checkbox"/>	OTF1_64	5,015.763	0.000	0.000	0.000	5,010.974	Not Full	No	-0.623	4.789
420	<input type="checkbox"/>	OTF1_65	5,016.743	0.000	0.000	0.000	5,011.206	Not Full	No	-0.354	5.537
421	<input type="checkbox"/>	OTF1_80	5,013.043	0.000	0.000	0.000	5,009.178	Not Full	No	-0.351	3.865
422	<input type="checkbox"/>	OTF1_82	5,013.773	0.000	0.000	0.000	5,009.657	Not Full	No	-0.620	4.116
423	<input type="checkbox"/>	OTF1_87	5,013.123	23,598.711	89,150.366	0.000	5,008.537	Not Full	No	-0.559	4.586
424	<input type="checkbox"/>	OTF1_88	5,027.903	18,035.993	68,135.014	0.000	5,019.138	Not Full	No	-0.551	8.765
425	<input type="checkbox"/>	OTF1_89	5,022.873	0.000	0.000	0.000	5,017.141	Not Full	Yes	2.361	5.732
426	<input type="checkbox"/>	OTF1_90	5,023.493	0.000	0.000	0.000	5,016.611	Not Full	No	-0.509	6.882
427	<input type="checkbox"/>	OTF1_92	5,022.393	0.000	0.000	0.000	5,015.905	Not Full	No	-0.514	6.488
428	<input type="checkbox"/>	OTF1_93	5,021.323	0.000	0.000	0.000	5,015.789	Not Full	No	-0.531	5.534
429	<input type="checkbox"/>	OTF1_94	5,017.163	0.000	0.000	0.000	5,012.828	Not Full	No	-0.562	4.335
430	<input type="checkbox"/>	OTF1_95	5,012.943	31,616.628	119,278.726	0.000	5,008.921	Not Full	Yes	-0.399	4.022
431	<input type="checkbox"/>	OTF1_96	5,013.243	0.000	0.000	0.000	5,007.344	Not Full	No	-0.769	5.899
432	<input type="checkbox"/>	OTF1_97	5,012.803	0.000	0.000	0.000	5,006.977	Not Full	No	-0.636	5.826
433	<input type="checkbox"/>	OTF1_98	5,011.373	0.000	0.000	0.000	5,005.733	Not Full	No	-0.660	5.640
434	<input type="checkbox"/>	RMF1_114	5,083.790	0.000	0.000	0.000	5,069.174	Not Full	No	-0.716	14.616
435	<input type="checkbox"/>	RMF1_118	5,074.620	0.000	0.000	0.000	5,060.111	Not Full	No	-0.559	14.509
436	<input type="checkbox"/>	SCC_01	5,118.460	52,590.220	191,831.394	0.000	5,101.769	Not Full	No	-0.458	16.691
437	<input type="checkbox"/>	SCC_02	5,113.610	49,194.701	180,082.865	0.000	5,096.648	Not Full	No	-0.546	16.962
438	<input type="checkbox"/>	SCC_03	5,106.940	0.000	0.000	0.000	5,092.140	Not Full	No	-0.543	14.800
439	<input type="checkbox"/>	SCC_04	5,111.500	0.000	0.000	0.000	5,090.353	Not Full	No	-0.541	21.147
440	<input type="checkbox"/>	SCC_05	5,108.930	0.000	0.000	0.000	5,088.754	Not Full	No	-0.539	20.176
441	<input type="checkbox"/>	SCC_06	5,106.410	0.000	0.000	0.000	5,087.520	Not Full	No	-0.543	18.890
442	<input type="checkbox"/>	SCC_07	5,102.770	10,799.996	40,798.065	0.000	5,084.600	Not Full	No	-0.720	18.170
443	<input type="checkbox"/>	SCC_08	5,097.960	0.000	0.000	0.000	5,081.288	Not Full	No	-0.742	16.672
444	<input type="checkbox"/>	SCC_09	5,094.160	0.000	0.000	0.000	5,076.847	Not Full	No	-0.733	17.313
445	<input type="checkbox"/>	SCC_10	5,093.370	0.000	0.000	0.000	5,075.814	Not Full	Yes	-0.666	17.556
446	<input type="checkbox"/>	SCC_11	5,089.070	0.000	0.000	0.000	5,073.632	Not Full	No	-0.788	15.438
447	<input type="checkbox"/>	SCC_11A	5,087.810	559,439.789	1,436,782.652	0.000	5,066.019	Not Full	Yes	-0.381	21.791
448	<input type="checkbox"/>	SCC_12	5,087.290	0.000	0.000	0.000	5,065.527	Not Full	No	-0.383	21.763
449	<input type="checkbox"/>	SCC_13	5,085.400	0.000	0.000	0.000	5,064.580	Not Full	No	-0.380	20.820
450	<input type="checkbox"/>	SCC_14	5,081.740	0.000	0.000	0.000	5,063.387	Not Full	No	-0.383	18.353
451	<input type="checkbox"/>	SCC_15	5,079.780	0.000	0.000	0.000	5,062.188	Not Full	No	-0.382	17.592

FULL BUILDOUT W/ I/I - MANHOLE TABLE

		ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
452	<input type="checkbox"/>	SCC_16	5,077.060	0.000	0.000	0.000	5,060.966	Not Full	No	-0.384	16.094
453	<input type="checkbox"/>	SCC_17	5,074.870	0.000	0.000	0.000	5,059.737	Not Full	No	-0.383	15.133
454	<input type="checkbox"/>	SCC_18	5,073.800	0.000	0.000	0.000	5,058.990	Not Full	No	-0.380	14.810
455	<input type="checkbox"/>	SCC_19	5,072.830	0.000	0.000	0.000	5,057.827	Not Full	No	-0.383	15.003
456	<input type="checkbox"/>	SCC_20	5,071.610	0.000	0.000	0.000	5,056.797	Not Full	No	-0.383	14.813
457	<input type="checkbox"/>	SCC_21	5,069.850	0.000	0.000	0.000	5,056.293	Not Full	No	-0.237	13.557
458	<input type="checkbox"/>	SUN_1	5,117.830	63,719.976	229,561.839	0.000	5,104.346	Not Full	No	-0.461	13.484
459	<input type="checkbox"/>	SUN_10	5,081.060	0.000	0.000	0.000	5,069.148	Not Full	No	-0.479	11.912
460	<input type="checkbox"/>	SUN_11	5,071.850	0.000	0.000	0.000	5,059.234	Not Full	No	-0.512	12.616
461	<input type="checkbox"/>	SUN_12	5,054.840	0.000	0.000	0.000	5,042.367	Not Full	Yes	-0.370	12.473
462	<input type="checkbox"/>	SUN_13	5,053.120	0.000	0.000	0.000	5,040.457	Not Full	No	-0.430	12.663
463	<input type="checkbox"/>	SUN_14	5,050.790	0.000	0.000	0.000	5,036.920	Not Full	No	-0.477	13.870
464	<input type="checkbox"/>	SUN_15	5,035.740	0.000	0.000	0.000	5,029.313	Not Full	Yes	-0.354	6.427
465	<input type="checkbox"/>	SUN_2	5,109.460	0.000	0.000	0.000	5,097.573	Not Full	No	-0.453	11.887
466	<input type="checkbox"/>	SUN_3	5,103.540	0.000	0.000	0.000	5,091.692	Not Full	No	-0.415	11.848
467	<input type="checkbox"/>	SUN_4	5,096.140	0.000	0.000	0.000	5,088.460	Not Full	No	-0.397	7.680
468	<input type="checkbox"/>	SUN_5	5,099.970	0.000	0.000	0.000	5,087.242	Not Full	Yes	-0.374	12.728
469	<input type="checkbox"/>	SUN_6	5,104.710	0.000	0.000	0.000	5,085.592	Not Full	No	-0.375	19.118
470	<input type="checkbox"/>	SUN_7	5,112.510	0.000	0.000	0.000	5,084.342	Not Full	No	-0.374	28.168
471	<input type="checkbox"/>	SUN_8	5,094.800	0.000	0.000	0.000	5,082.893	Not Full	No	-0.474	11.907
472	<input type="checkbox"/>	SUN_9	5,087.680	0.000	0.000	0.000	5,076.777	Not Full	No	-0.469	10.903
473	<input type="checkbox"/>	TOE_2576	5,140.690	0.000	0.000	0.000	5,129.362	Not Full	No	-0.978	11.328
474	<input type="checkbox"/>	TOE_2577	5,137.370	0.000	0.000	0.000	5,127.460	Not Full	No	-1.100	9.910
475	<input type="checkbox"/>	TOE_2578	5,132.730	0.000	0.000	0.000	5,123.331	Not Full	No	-1.099	9.399
476	<input type="checkbox"/>	TOE_2579	5,129.120	0.000	0.000	0.000	5,118.924	Not Full	No	-1.046	10.196
477	<input type="checkbox"/>	TOE_2580	5,123.350	0.000	0.000	0.000	5,113.234	Not Full	No	-0.956	10.116
478	<input type="checkbox"/>	TOE_2581	5,125.960	0.000	0.000	0.000	5,111.200	Not Full	No	-0.940	14.760
479	<input type="checkbox"/>	TOE_2582	5,126.690	0.000	0.000	0.000	5,109.415	Not Full	No	-0.945	17.275
480	<input type="checkbox"/>	TOE_2583	5,127.830	0.000	0.000	0.000	5,107.547	Not Full	No	-0.913	20.283
481	<input type="checkbox"/>	TOE_2584	5,127.830	0.000	0.000	0.000	5,105.857	Not Full	No	-0.923	21.973
482	<input type="checkbox"/>	TOE_2585	5,078.040	0.000	0.000	0.000	5,064.277	Not Full	No	-1.043	13.763
483	<input type="checkbox"/>	TOE_2586	5,048.720	0.000	0.000	0.000	5,037.137	Not Full	No	-0.983	11.583
484	<input type="checkbox"/>	TOE_2587	5,051.780	0.000	0.000	0.000	5,035.006	Not Full	No	-1.094	16.774
485	<input type="checkbox"/>	TOE_2588	5,042.550	0.000	0.000	0.000	5,024.618	Not Full	No	-1.112	17.932
486	<input type="checkbox"/>	TOE_2589	5,027.940	57,509.258	208,847.764	0.000	5,012.438	Not Full	No	-1.092	15.502
487	<input type="checkbox"/>	TOE_2590	5,029.380	0.000	0.000	0.000	5,009.459	Not Full	No	-1.181	19.921
488	<input type="checkbox"/>	TOE_2591	5,026.905	0.000	0.000	0.000	5,008.785	Not Full	Yes	-1.140	18.120
489	<input type="checkbox"/>	TOE_2592	5,109.510	0.000	0.000	0.000	5,097.704	Not Full	No	-0.433	11.806
490	<input type="checkbox"/>	TOE_2593	5,110.100	0.000	0.000	0.000	5,097.273	Not Full	No	-0.484	12.827
491	<input type="checkbox"/>	TOE_2594	5,034.380	0.000	0.000	0.000	5,016.398	Not Full	No	-0.732	17.982
492	<input type="checkbox"/>	TOE_2595	5,027.210	0.000	0.000	0.000	5,015.618	Not Full	No	-0.662	11.592

FULL BUILDOUT W/ I/I - MANHOLE TABLE

		ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
493	<input type="checkbox"/>	TOE_2596	5,030.630	0.000	0.000	0.000	5,014.836	Not Full	No	-2.074	15.794
494	<input type="checkbox"/>	TOE_2597	5,029.850	0.000	0.000	0.000	5,014.497	Not Full	No	-2.013	15.353
495	<input type="checkbox"/>	TOE_2598	5,030.780	0.000	0.000	0.000	5,013.901	Not Full	No	-0.939	16.879
496	<input type="checkbox"/>	TOE_2609	5,049.595	0.000	0.000	0.000	5,039.762	Not Full	Yes	-0.903	9.833
497	<input type="checkbox"/>	TOE_2610	5,049.965	0.000	0.000	0.000	5,040.687	Not Full	No	-1.128	9.278
498	<input type="checkbox"/>	TOE_2612	5,052.325	0.000	0.000	0.000	5,042.841	Not Full	No	-1.134	9.484
499	<input type="checkbox"/>	TOE_2615	5,011.000	55,886.379	203,231.962	0.000	4,995.177	Not Full	Yes	-0.948	15.823
500	<input type="checkbox"/>	TOE_2619	5,011.075	0.000	0.000	0.000	4,994.432	Not Full	No	-1.093	16.643
501	<input type="checkbox"/>	TOE_2620	5,141.225	0.000	0.000	0.000	5,129.385	Not Full	Yes	-0.740	11.840
502	<input type="checkbox"/>	TOE_2621	5,148.225	0.000	0.000	0.000	5,131.907	Not Full	No	-0.808	16.318
503	<input type="checkbox"/>	TOE_2622	5,148.225	0.000	0.000	0.000	5,133.820	Not Full	No	-0.755	14.405
504	<input type="checkbox"/>	TOE_2623	5,158.225	0.000	0.000	0.000	5,144.065	Not Full	No	-0.833	14.160
505	<input type="checkbox"/>	TOE_2624	5,168.225	0.000	0.000	0.000	5,154.505	Not Full	No	-0.833	13.720
506	<input type="checkbox"/>	TOE_2625	5,173.225	0.000	0.000	0.000	5,160.575	Not Full	No	-0.833	12.650
507	<input type="checkbox"/>	TOE_2626	5,185.225	15,390.714	58,141.418	0.000	5,168.596	Not Full	No	-0.576	16.629
508	<input type="checkbox"/>	TOE_2628	5,083.085	0.000	0.000	0.000	5,068.816	Not Full	Yes	-1.019	14.269
509	<input type="checkbox"/>	TOE_2629	5,085.095	0.000	0.000	0.000	5,070.479	Not Full	No	-0.796	14.616
510	<input type="checkbox"/>	TOE_2630	5,088.805	0.000	0.000	0.000	5,074.502	Not Full	Yes	-0.663	14.303
511	<input type="checkbox"/>	TOE_2631	5,095.275	48,599.982	178,027.133	0.000	5,076.092	Not Full	No	-0.793	19.183
512	<input type="checkbox"/>	TOE_2635	5,080.000	0.000	0.000	0.000	5,072.240	Not Full	No	-0.833	7.760
513	<input type="checkbox"/>	TOE_2636	5,085.000	0.000	0.000	0.000	5,071.110	Not Full	No	-0.833	13.890
514	<input type="checkbox"/>	TOE_2637	5,085.000	0.000	0.000	0.000	5,072.799	Not Full	No	-0.711	12.201
515	<input type="checkbox"/>	TOE_2638	5,085.000	0.000	0.000	0.000	5,071.676	Not Full	No	-0.664	13.324
516	<input type="checkbox"/>	TOE_2639	5,085.000	0.000	0.000	0.000	5,070.918	Not Full	No	-0.652	14.082
517	<input type="checkbox"/>	TOE_2640	5,091.070	0.000	0.000	0.000	5,077.278	Not Full	No	-0.682	13.792
518	<input type="checkbox"/>	TOE_2646	5,212.890	0.000	0.000	0.000	5,202.616	Not Full	No	-0.261	10.274
519	<input type="checkbox"/>	TOE_2647	5,214.610	0.000	0.000	0.000	5,204.198	Not Full	Yes	-0.379	10.412
520	<input type="checkbox"/>	TOE_2648	5,057.225	0.000	0.000	0.000	5,037.387	Not Full	No	-0.548	19.838
521	<input type="checkbox"/>	TOE_2649	5,058.225	0.000	0.000	0.000	5,038.062	Not Full	No	-0.553	20.163
522	<input type="checkbox"/>	TOE_2650	5,051.225	35,572.307	132,960.461	0.000	5,035.496	Not Full	No	-0.799	15.729
523	<input type="checkbox"/>	TOE_2651	5,033.085	0.000	0.000	0.000	5,017.861	Not Full	Yes	-0.564	15.224
524	<input type="checkbox"/>	TOE_2652	5,031.225	0.000	0.000	0.000	5,017.822	Not Full	No	-0.533	13.403
525	<input type="checkbox"/>	TOE_2653	5,048.625	0.000	0.000	0.000	5,016.254	Not Full	No	-0.531	32.371
526	<input type="checkbox"/>	TOE_2654	5,029.225	37,146.226	138,404.914	0.000	5,014.432	Not Full	No	-0.713	14.793
527	<input type="checkbox"/>	TOE_2655	5,028.225	0.000	0.000	0.000	5,010.417	Not Full	Yes	-0.813	17.808
528	<input type="checkbox"/>	TOE_2656	5,040.685	0.000	0.000	0.000	5,028.136	Not Full	No	-0.839	12.549
529	<input type="checkbox"/>	TOE_2657	5,072.520	122,214.194	397,758.275	0.000	5,059.013	Not Full	No	-0.373	13.507
530	<input type="checkbox"/>	TOE_2659	5,069.950	0.000	0.000	0.000	5,056.147	Not Full	No	-0.370	13.803
531	<input type="checkbox"/>	TOE_2660	5,063.730	0.000	0.000	0.000	5,051.347	Not Full	No	-0.349	12.383
532	<input type="checkbox"/>	TOE_2661	5,060.080	0.000	0.000	0.000	5,047.998	Not Full	No	-0.348	12.082
533	<input type="checkbox"/>	TOE_2662	5,055.000	0.000	0.000	0.000	5,041.478	Not Full	No	-0.757	13.522

FULL BUILDOUT W/ I/I - MANHOLE TABLE

		ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
534	<input type="checkbox"/>	TOE_2663	5,059.350	0.000	0.000	0.000	5,046.875	Not Full	No	-0.372	12.475
535	<input type="checkbox"/>	TOE_2664	5,051.225	0.000	0.000	0.000	5,039.015	Not Full	Yes	-0.560	12.210
536	<input type="checkbox"/>	TOE_2673	5,142.740	0.000	0.000	0.000	5,127.342	Not Full	No	-0.531	15.398
537	<input type="checkbox"/>	TOE_2710	5,188.970	130,679.951	420,769.426	0.000	5,172.059	Not Full	Yes	0.035	16.911
538	<input type="checkbox"/>	TOE_2711	5,175.840	0.000	0.000	0.000	5,168.662	Not Full	No	-0.222	7.178
539	<input type="checkbox"/>	TOE_2712	5,183.520	0.000	0.000	0.000	5,171.281	Not Full	No	0.057	12.239
540	<input type="checkbox"/>	TOE_2713	5,179.770	0.000	0.000	0.000	5,170.734	Not Full	No	0.040	9.036
541	<input type="checkbox"/>	TOE_2714	5,179.540	0.000	0.000	0.000	5,170.347	Not Full	No	0.094	9.193
542	<input type="checkbox"/>	TOE_2715	5,171.960	0.000	0.000	0.000	5,168.093	Not Full	No	0.270	3.867
543	<input type="checkbox"/>	TOE_2716	5,173.770	0.000	0.000	0.000	5,167.343	Not Full	No	0.060	6.427
544	<input type="checkbox"/>	TOE_2717	5,171.760	0.000	0.000	0.000	5,166.377	Not Full	No	-0.416	5.383
545	<input type="checkbox"/>	TOE_2718	5,169.220	0.000	0.000	0.000	5,160.124	Not Full	Yes	0.041	9.096
546	<input type="checkbox"/>	TOE_2719	5,171.870	0.000	0.000	0.000	5,157.479	Not Full	No	-0.325	14.391
547	<input type="checkbox"/>	TOE_2720	5,162.710	0.000	0.000	0.000	5,153.896	Not Full	Yes	0.053	8.814
548	<input type="checkbox"/>	TOE_2721	5,160.580	0.000	0.000	0.000	5,151.450	Not Full	No	-0.463	9.130
549	<input type="checkbox"/>	TOE_2722	5,153.520	0.000	0.000	0.000	5,144.532	Not Full	No	-0.461	8.988
550	<input type="checkbox"/>	TOE_2723	5,149.910	0.000	0.000	0.000	5,140.839	Not Full	No	-0.475	9.071
551	<input type="checkbox"/>	TOE_2724	5,137.860	0.000	0.000	0.000	5,129.345	Not Full	Yes	-0.268	8.515
552	<input type="checkbox"/>	TOE_2725	5,133.820	0.000	0.000	0.000	5,126.488	Not Full	No	-0.286	7.332
553	<input type="checkbox"/>	TOE_2726	5,130.690	0.000	0.000	0.000	5,123.112	Not Full	No	-0.462	7.578
554	<input type="checkbox"/>	TOE_2727	5,121.990	0.000	0.000	0.000	5,112.801	Not Full	No	-0.522	9.189
555	<input type="checkbox"/>	TOE_2728	5,115.430	0.000	0.000	0.000	5,104.630	Not Full	No	-0.514	10.800
556	<input type="checkbox"/>	TOE_2729	5,114.600	0.000	0.000	0.000	5,101.928	Not Full	No	-0.455	12.672
557	<input type="checkbox"/>	TOE_2730	5,107.960	0.000	0.000	0.000	5,095.398	Not Full	No	-0.335	12.562
558	<input type="checkbox"/>	TOE_2731	5,101.300	0.000	0.000	0.000	5,092.499	Not Full	No	-0.418	8.801
559	<input type="checkbox"/>	TOE_2732	5,104.000	0.000	0.000	0.000	5,094.359	Not Full	No	-0.328	9.641
560	<input type="checkbox"/>	TOE_2733	5,112.400	0.000	0.000	0.000	5,095.640	Not Full	Yes	-0.337	16.760
561	<input type="checkbox"/>	TOE_2734	5,010.600	0.000	0.000	0.000	4,998.557	Not Full	No	-1.468	12.043
562	<input type="checkbox"/>	TOE_2735	5,014.525	0.000	0.000	0.000	4,999.509	Not Full	No	-1.116	15.016
563	<input type="checkbox"/>	TOE_2736	5,017.825	0.000	0.000	0.000	5,000.451	Not Full	No	-1.074	17.374
564	<input type="checkbox"/>	TOE_2737	5,023.625	0.000	0.000	0.000	5,003.223	Not Full	No	-1.102	20.402
565	<input type="checkbox"/>	TOE_2738	5,023.325	0.000	0.000	0.000	5,004.171	Not Full	No	-0.954	19.154
566	<input type="checkbox"/>	TOE_2739	5,020.425	0.000	0.000	0.000	5,005.156	Not Full	No	-1.069	15.269
567	<input type="checkbox"/>	TOE_2740	5,022.425	0.000	0.000	0.000	5,006.199	Not Full	No	-1.026	16.226
568	<input type="checkbox"/>	TOE_2741	5,025.425	0.000	0.000	0.000	5,007.159	Not Full	No	-0.966	18.266
569	<input type="checkbox"/>	TOE_2742	5,025.825	0.000	0.000	0.000	5,007.435	Not Full	No	-1.090	18.390
570	<input type="checkbox"/>	TOE_2743	5,026.525	0.000	0.000	0.000	5,007.971	Not Full	No	-1.254	18.554
571	<input type="checkbox"/>	TOE_2744	5,029.425	0.000	0.000	0.000	5,010.266	Not Full	Yes	0.241	19.159
572	<input type="checkbox"/>	TOE_2745	5,028.225	0.000	0.000	0.000	5,010.408	Not Full	No	-0.267	17.817
573	<input type="checkbox"/>	TOE_2746	5,027.525	0.000	0.000	0.000	5,014.832	Not Full	No	-0.993	12.693
574	<input type="checkbox"/>	TOE_2747	5,053.435	99,992.122	335,577.315	0.000	5,038.712	Not Full	No	-1.013	14.723

FULL BUILDOUT W/ I/I - MANHOLE TABLE

		ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
575	<input type="checkbox"/>	TOE_2748	5,094.000	0.000	0.000	0.000	5,081.335	Not Full	No	-0.415	12.665
576	<input type="checkbox"/>	TOE_2749	5,090.550	0.000	0.000	0.000	5,078.115	Not Full	No	-0.385	12.435
577	<input type="checkbox"/>	TOE_2750	5,087.000	0.000	0.000	0.000	5,074.234	Not Full	No	-0.516	12.766
578	<input type="checkbox"/>	TOE_2751	5,081.000	0.000	0.000	0.000	5,068.804	Not Full	No	-0.776	12.196
579	<input type="checkbox"/>	TOE_2752	5,075.220	0.000	0.000	0.000	5,062.997	Not Full	No	-0.723	12.223
580	<input type="checkbox"/>	TOE_2753	5,069.870	0.000	0.000	0.000	5,058.899	Not Full	No	-0.741	10.971
581	<input type="checkbox"/>	TOE_2754	5,066.730	0.000	0.000	0.000	5,054.905	Not Full	No	-0.685	11.825
582	<input type="checkbox"/>	TOE_2755	5,064.690	0.000	0.000	0.000	5,053.752	Not Full	No	-0.718	10.938
583	<input type="checkbox"/>	TOE_2756	5,059.960	0.000	0.000	0.000	5,047.166	Not Full	No	-0.714	12.794
584	<input type="checkbox"/>	TOE_2757	5,058.890	0.000	0.000	0.000	5,046.363	Not Full	No	-0.767	12.527
585	<input type="checkbox"/>	TOE_2758	5,033.130	0.000	0.000	0.000	5,020.102	Not Full	No	-0.688	13.028
586	<input type="checkbox"/>	TOE_2759	5,062.630	36,509.746	136,204.157	0.000	5,050.649	Not Full	No	-0.721	11.981
587	<input type="checkbox"/>	TOE_2760	5,053.320	0.000	0.000	0.000	5,039.990	Not Full	No	-0.800	13.330
588	<input type="checkbox"/>	TOE_2761	5,030.160	0.000	0.000	0.000	5,019.228	Not Full	No	-0.842	10.932
589	<input type="checkbox"/>	TOE_2762	5,029.520	0.000	0.000	0.000	5,019.124	Not Full	No	-0.696	10.396
590	<input type="checkbox"/>	TOE_2763	5,031.630	0.000	0.000	0.000	5,017.097	Not Full	No	-0.733	14.533
591	<input type="checkbox"/>	TOE_2764	5,030.240	0.000	0.000	0.000	5,018.185	Not Full	No	-0.755	12.055
592	<input type="checkbox"/>	TOE_2765	5,031.520	0.000	0.000	0.000	5,016.219	Not Full	No	-0.631	15.301
593	<input type="checkbox"/>	TOE_2766	5,029.380	0.000	0.000	0.000	5,015.907	Not Full	No	-0.713	13.473
594	<input type="checkbox"/>	TOE_2767	5,028.000	0.000	0.000	0.000	5,015.363	Not Full	No	-0.907	12.637
595	<input type="checkbox"/>	TOE_2768	5,027.030	0.000	0.000	0.000	5,013.395	Not Full	No	-1.035	13.635
596	<input type="checkbox"/>	TOE_2769	5,021.960	0.000	0.000	0.000	5,009.316	Not Full	No	-0.744	12.644
597	<input type="checkbox"/>	TOE_2770	5,018.710	0.000	0.000	0.000	5,008.221	Not Full	No	-0.739	10.489
598	<input type="checkbox"/>	TOE_2771	5,019.010	3,779.999	14,281.915	0.000	5,007.173	Not Full	No	-0.917	11.837
599	<input type="checkbox"/>	TOE_2772	5,020.000	0.000	0.000	0.000	5,006.766	Not Full	Yes	-0.764	13.234
600	<input type="checkbox"/>	TOE_2773	5,019.000	0.000	0.000	0.000	5,006.152	Not Full	No	-0.498	12.848
601	<input type="checkbox"/>	TOE_2774	5,017.000	0.000	0.000	0.000	5,006.003	Not Full	No	0.353	10.997
602	<input type="checkbox"/>	TOE_2775	5,015.840	0.000	0.000	0.000	5,005.149	Not Full	No	-0.651	10.691
603	<input type="checkbox"/>	TOE_2776	5,014.980	0.000	0.000	0.000	5,004.512	Not Full	No	-0.528	10.468
604	<input type="checkbox"/>	TOE_2777	5,012.960	0.000	0.000	0.000	5,003.976	Not Full	No	-0.554	8.984
605	<input type="checkbox"/>	TOE_2778	5,012.130	0.000	0.000	0.000	5,003.509	Not Full	No	-0.531	8.621
606	<input type="checkbox"/>	TOE_2779	5,009.900	0.000	0.000	0.000	5,003.354	Not Full	No	-0.226	6.546
607	<input type="checkbox"/>	TOE_2780	5,011.970	0.000	0.000	0.000	5,003.083	Not Full	No	-0.027	8.887
608	<input type="checkbox"/>	TOE_2781	5,011.660	0.000	0.000	0.000	5,002.913	Not Full	No	0.113	8.747
609	<input type="checkbox"/>	TOE_2782	5,011.310	0.000	0.000	0.000	5,002.066	Not Full	No	-0.874	9.244
610	<input type="checkbox"/>	TOE_2783	5,008.830	0.000	0.000	0.000	5,001.836	Not Full	No	-0.724	6.994
611	<input type="checkbox"/>	TOE_2784	5,006.790	0.000	0.000	0.000	5,000.734	Not Full	No	-0.816	6.056
612	<input type="checkbox"/>	TOE_2785	5,012.690	0.000	0.000	0.000	5,000.605	Not Full	No	-0.815	12.085
613	<input type="checkbox"/>	TOE_2786	5,008.290	99,779.002	334,983.874	0.000	5,001.710	Not Full	No	0.070	6.580
614	<input type="checkbox"/>	TOE_2787	5,016.850	0.000	0.000	0.000	5,000.306	Not Full	No	0.076	16.544
615	<input type="checkbox"/>	TOE_2788	5,014.290	0.000	0.000	0.000	5,000.465	Not Full	No	-0.675	13.825

FULL BUILDOUT W/ I/I - MANHOLE TABLE

		ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
616	<input type="checkbox"/>	TOE_2789	5,007.240	0.000	0.000	0.000	4,996.146	Not Full	No	-1.004	11.094
617	<input type="checkbox"/>	TOE_2790	5,012.380	48,539.502	177,817.492	0.000	4,996.371	Not Full	No	-0.709	16.009
618	<input type="checkbox"/>	TOE_2791	5,004.080	0.000	0.000	0.000	4,995.716	Not Full	No	-0.984	8.364
619	<input type="checkbox"/>	TOE_2792	5,003.840	0.000	0.000	0.000	4,995.441	Not Full	No	-1.109	8.399
620	<input type="checkbox"/>	TOE_2793	5,008.860	0.000	0.000	0.000	4,994.814	Not Full	No	-1.176	14.046
621	<input type="checkbox"/>	TOE_2794	5,009.670	0.000	0.000	0.000	4,994.261	Not Full	No	-1.059	15.409
622	<input type="checkbox"/>	TOE_2795	5,011.010	0.000	0.000	0.000	4,993.944	Not Full	No	-0.876	17.066
623	<input type="checkbox"/>	TOE_2798	5,011.503	70,777.413	250,387.927	0.000	5,000.997	Not Full	Yes	-0.436	10.506
624	<input type="checkbox"/>	TOE_2799	5,007.780	0.000	0.000	0.000	5,000.238	Not Full	No	-0.848	7.542
625	<input type="checkbox"/>	TOE_2800	5,010.450	0.000	0.000	0.000	4,992.636	Not Full	No	-2.264	17.814
626	<input type="checkbox"/>	TOE_2801	5,055.525	0.000	0.000	0.000	5,045.303	Not Full	No	-1.152	10.222
627	<input type="checkbox"/>	TOE_2802	5,061.985	0.000	0.000	0.000	5,047.257	Not Full	No	-1.008	14.728
628	<input type="checkbox"/>	TOE_2803	5,065.905	0.000	0.000	0.000	5,048.168	Not Full	No	-0.987	17.737
629	<input type="checkbox"/>	TOE_2804	5,067.345	0.000	0.000	0.000	5,049.163	Not Full	No	-0.982	18.182
630	<input type="checkbox"/>	TOE_2805	5,093.920	0.000	0.000	0.000	5,081.851	Not Full	No	-1.059	12.069
631	<input type="checkbox"/>	TOE_2806	5,098.000	0.000	0.000	0.000	5,085.167	Not Full	No	-1.073	12.833
632	<input type="checkbox"/>	TOE_2807	5,096.900	0.000	0.000	0.000	5,087.421	Not Full	No	-0.959	9.479
633	<input type="checkbox"/>	TOE_2808	5,105.750	0.000	0.000	0.000	5,094.810	Not Full	No	-1.070	10.940
634	<input type="checkbox"/>	TOE_2809	5,152.350	0.000	0.000	0.000	5,134.008	Not Full	No	-0.575	18.342
635	<input type="checkbox"/>	TOE_2817	5,046.820	0.000	0.000	0.000	5,031.816	Not Full	No	-0.834	15.004
636	<input type="checkbox"/>	TOE_2818	5,034.360	0.000	0.000	0.000	5,021.109	Not Full	Yes	-0.831	13.251
637	<input type="checkbox"/>	TOE_2819	5,101.240	0.000	0.000	0.000	5,090.294	Not Full	No	-1.006	10.946
638	<input type="checkbox"/>	TOE_2825	5,011.300	0.000	0.000	0.000	4,991.678	Not Full	No	-1.822	19.622
639	<input type="checkbox"/>	TOE_2826	5,010.820	0.000	0.000	0.000	4,991.052	Not Full	Yes	-1.398	19.768
640	<input type="checkbox"/>	TOE_2827	5,010.790	0.000	0.000	0.000	4,990.359	Not Full	No	-1.681	20.431
641	<input type="checkbox"/>	TOE_2828	5,009.220	0.000	0.000	0.000	4,989.505	Not Full	No	-1.365	19.715
642	<input type="checkbox"/>	TOE_2829	5,007.990	0.000	0.000	0.000	4,988.152	Not Full	Yes	-1.668	19.838
643	<input type="checkbox"/>	TOE_2830	5,007.630	0.000	0.000	0.000	4,988.008	Not Full	No	-1.422	19.622
644	<input type="checkbox"/>	TOE_2831	5,006.030	0.000	0.000	0.000	4,987.532	Not Full	No	-1.368	18.498
645	<input type="checkbox"/>	TOE_2832	5,004.210	0.000	0.000	0.000	4,987.122	Not Full	No	-1.588	17.088
646	<input type="checkbox"/>	TOE_2833	5,004.410	0.000	0.000	0.000	4,986.871	Not Full	No	-1.409	17.539
647	<input type="checkbox"/>	TOE_2834	5,004.240	0.000	0.000	0.000	4,985.888	Not Full	No	-1.552	18.352
648	<input type="checkbox"/>	TOE_2835	5,001.480	0.000	0.000	0.000	4,984.905	Not Full	No	-1.495	16.575
649	<input type="checkbox"/>	TOE_2836	5,000.540	0.000	0.000	0.000	4,984.026	Not Full	No	-1.434	16.514
650	<input type="checkbox"/>	TOE_2837	5,000.330	0.000	0.000	0.000	4,983.593	Not Full	No	-1.077	16.737
651	<input type="checkbox"/>	TOE_2838	5,005.660	0.000	0.000	0.000	4,982.413	Not Full	No	-1.367	23.247
652	<input type="checkbox"/>	TOE_2839	5,002.590	0.000	0.000	0.000	4,982.924	Not Full	No	-1.386	19.666
653	<input type="checkbox"/>	TOE_2840	5,006.110	0.000	0.000	0.000	4,981.739	Not Full	No	-1.521	24.371
654	<input type="checkbox"/>	TOE_2841	5,002.460	0.000	0.000	0.000	4,980.883	Not Full	No	-1.727	21.577
655	<input type="checkbox"/>	TOE_2842	5,002.920	0.000	0.000	0.000	4,979.957	Not Full	Yes	-1.653	22.963
656	<input type="checkbox"/>	TOE_2843	5,000.380	0.000	0.000	0.000	4,980.474	Not Full	No	-1.896	19.906

FULL BUILDOUT W/ I/I - MANHOLE TABLE

		ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
657	<input type="checkbox"/>	TOE_2844	4,994.190	0.000	0.000	0.000	4,978.538	Not Full	No	-1.782	15.652
658	<input type="checkbox"/>	TOE_2845	4,993.980	0.000	0.000	0.000	4,978.529	Not Full	Yes	-1.451	15.451
659	<input type="checkbox"/>	TOE_2846	4,991.150	0.000	0.000	0.000	4,977.979	Not Full	No	-1.521	13.171
660	<input type="checkbox"/>	TOE_2847	4,990.880	0.000	0.000	0.000	4,977.066	Not Full	No	-1.804	13.814
661	<input type="checkbox"/>	TOE_2848	4,990.370	0.000	0.000	0.000	4,976.530	Not Full	No	-1.830	13.840
662	<input type="checkbox"/>	TOE_2849	4,990.000	0.000	0.000	0.000	4,973.948	Not Full	No	-2.032	16.052
663	<input type="checkbox"/>	TOE_2850	4,988.020	0.000	0.000	0.000	4,969.801	Not Full	No	-2.009	18.219
664	<input type="checkbox"/>	TOE_2851	4,987.060	0.000	0.000	0.000	4,967.609	Not Full	No	-1.801	19.451
665	<input type="checkbox"/>	TOE_2852	4,985.500	0.000	0.000	0.000	4,967.333	Not Full	Yes	-1.407	18.167
666	<input type="checkbox"/>	TOE_2853	4,986.910	0.000	0.000	0.000	4,967.365	Not Full	No	-1.715	19.545
667	<input type="checkbox"/>	TOE_2854	4,987.460	0.000	0.000	0.000	4,970.113	Not Full	No	-0.637	17.347
668	<input type="checkbox"/>	TOE_2855	4,986.200	0.000	0.000	0.000	4,971.118	Not Full	No	-0.563	15.083
669	<input type="checkbox"/>	TOE_2856	4,988.050	0.000	0.000	0.000	4,971.876	Not Full	No	-0.604	16.174
670	<input type="checkbox"/>	TOE_2857	4,987.820	0.000	0.000	0.000	4,972.240	Not Full	Yes	-0.610	15.580
671	<input type="checkbox"/>	TOE_2858	4,988.840	0.000	0.000	0.000	4,975.910	Not Full	No	-0.720	12.930
672	<input type="checkbox"/>	TOE_2859	4,989.490	0.000	0.000	0.000	4,977.900	Not Full	Yes	-0.650	11.590
673	<input type="checkbox"/>	TOE_2860	4,985.430	0.000	0.000	0.000	4,966.570	Not Full	No	-1.350	18.860
674	<input type="checkbox"/>	TOE_2861	4,983.250	0.000	0.000	0.000	4,965.555	Not Full	No	-1.625	17.695
675	<input type="checkbox"/>	TOE_2862	4,982.380	0.000	0.000	0.000	4,965.522	Not Full	Yes	-1.188	16.858
676	<input type="checkbox"/>	TOE_2863	4,982.420	0.000	0.000	0.000	4,964.867	Not Full	No	-1.543	17.553
677	<input type="checkbox"/>	TOE_2864	4,980.720	0.000	0.000	0.000	4,964.042	Not Full	No	-1.668	16.678
678	<input type="checkbox"/>	TOE_2865	4,981.960	0.000	0.000	0.000	4,963.849	Not Full	No	-1.361	18.111
679	<input type="checkbox"/>	TOE_2866	4,982.300	0.000	0.000	0.000	4,963.307	Not Full	No	-1.363	18.993
680	<input type="checkbox"/>	TOE_2867	4,984.250	31,319.988	118,251.580	0.000	4,962.433	Not Full	No	-1.667	21.817
681	<input type="checkbox"/>	TOE_2868	4,980.960	0.000	0.000	0.000	4,961.350	Not Full	No	-1.440	19.610
682	<input type="checkbox"/>	TOE_2869	4,978.450	0.000	0.000	0.000	4,960.504	Not Full	No	-1.386	17.946
683	<input type="checkbox"/>	TOE_2870	4,976.690	0.000	0.000	0.000	4,959.692	Not Full	No	-1.408	16.998
684	<input type="checkbox"/>	TOE_2871	4,974.820	0.000	0.000	0.000	4,958.861	Not Full	No	-1.349	15.959
685	<input type="checkbox"/>	TOE_2872	4,973.300	0.000	0.000	0.000	4,958.008	Not Full	No	-1.472	15.292
686	<input type="checkbox"/>	TOE_2873	4,970.750	0.000	0.000	0.000	4,957.401	Not Full	No	-1.239	13.349
687	<input type="checkbox"/>	TOE_2874	4,969.570	0.000	0.000	0.000	4,956.991	Not Full	No	-1.459	12.579
688	<input type="checkbox"/>	TOE_2875	4,967.820	0.000	0.000	0.000	4,956.556	Not Full	No	-1.534	11.264
689	<input type="checkbox"/>	TOE_2876	4,970.850	0.000	0.000	0.000	4,956.216	Not Full	No	-1.474	14.634
690	<input type="checkbox"/>	TOE_2877	4,969.020	0.000	0.000	0.000	4,955.590	Not Full	No	-1.350	13.430
691	<input type="checkbox"/>	TOE_2878	4,975.470	0.000	0.000	0.000	4,954.910	Not Full	No	-1.400	20.560
692	<input type="checkbox"/>	TOE_2879	4,993.130	0.000	0.000	0.000	4,954.198	Not Full	No	-1.342	38.932
693	<input type="checkbox"/>	TOE_2880	4,992.470	0.000	0.000	0.000	4,953.756	Not Full	No	-1.644	38.714
694	<input type="checkbox"/>	TOE_2881	4,986.390	0.000	0.000	0.000	4,953.386	Not Full	No	-1.334	33.004
695	<input type="checkbox"/>	TOE_2882	4,983.690	78,299.971	272,586.323	0.000	4,952.940	Not Full	No	-1.380	30.750
696	<input type="checkbox"/>	TOE_2883	4,977.290	0.000	0.000	0.000	4,952.550	Not Full	No	-1.420	24.740
697	<input type="checkbox"/>	TOE_2884	4,973.860	0.000	0.000	0.000	4,951.658	Not Full	No	-1.402	22.202

FULL BUILDOUT W/ I/I - MANHOLE TABLE

		ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
698	<input type="checkbox"/>	TOE_2885	4,966.950	0.000	0.000	0.000	4,950.721	Not Full	No	-1.529	16.229
699	<input type="checkbox"/>	TOE_2886	4,962.980	0.000	0.000	0.000	4,949.961	Not Full	Yes	-1.419	13.019
700	<input type="checkbox"/>	TOE_2887	4,963.360	0.000	0.000	0.000	4,949.249	Not Full	No	-1.531	14.111
701	<input type="checkbox"/>	TOE_2888	4,965.190	0.000	0.000	0.000	4,948.486	Not Full	No	-1.074	16.704
702	<input type="checkbox"/>	TOE_2889	4,956.350	48,854.862	178,909.254	0.000	4,941.181	Not Full	No	-1.589	15.169
703	<input type="checkbox"/>	TOE_2890	4,957.260	0.000	0.000	0.000	4,940.811	Not Full	No	-1.549	16.449
704	<input type="checkbox"/>	TOE_2891	4,956.430	0.000	0.000	0.000	4,939.614	Not Full	No	-1.726	16.816
705	<input type="checkbox"/>	TOE_2892	4,952.720	0.000	0.000	0.000	4,939.579	Not Full	Yes	-1.231	13.141
706	<input type="checkbox"/>	TOE_2893	4,951.610	0.000	0.000	0.000	4,938.607	Not Full	No	-1.453	13.003
707	<input type="checkbox"/>	TOE_2894	4,950.110	0.000	0.000	0.000	4,937.691	Not Full	No	-1.369	12.419
708	<input type="checkbox"/>	TOE_2895	4,948.680	0.000	0.000	0.000	4,936.679	Not Full	No	-1.391	12.001
709	<input type="checkbox"/>	TOE_2896	4,945.630	0.000	0.000	0.000	4,935.945	Not Full	No	-1.235	9.685
710	<input type="checkbox"/>	TOE_2897	4,944.050	0.000	0.000	0.000	4,934.707	Not Full	No	-1.763	9.343
711	<input type="checkbox"/>	TOE_2898	4,942.250	0.000	0.000	0.000	4,933.012	Not Full	Yes	-1.298	9.238
712	<input type="checkbox"/>	TOE_2899	4,941.010	0.000	0.000	0.000	4,932.150	Not Full	No	-1.450	8.860
713	<input type="checkbox"/>	TOE_2900	4,939.280	0.000	0.000	0.000	4,931.156	Not Full	No	-1.584	8.124
714	<input type="checkbox"/>	TOE_2901	4,939.080	0.000	0.000	0.000	4,931.073	Not Full	No	-1.457	8.007
715	<input type="checkbox"/>	TOE_2902	4,941.290	0.000	0.000	0.000	4,930.319	Not Full	No	-1.391	10.971
716	<input type="checkbox"/>	TOE_2903	4,936.850	0.000	0.000	0.000	4,930.142	Not Full	No	-0.548	6.708
717	<input type="checkbox"/>	TOE_2904	4,934.060	158,011.141	494,079.758	0.000	4,929.874	Not Full	No	0.004	4.186
718	<input type="checkbox"/>	TOE_2905	5,019.625	0.000	0.000	0.000	5,002.252	Not Full	No	-0.773	17.373
719	<input type="checkbox"/>	TOE_2906	5,019.725	0.000	0.000	0.000	5,001.369	Not Full	No	-1.056	18.356
720	<input type="checkbox"/>	TOE_2914	5,023.740	0.000	0.000	0.000	5,009.940	Not Full	Yes	-0.740	13.800
721	<input type="checkbox"/>	TOE_2915	5,115.200	0.000	0.000	0.000	5,100.412	Not Full	No	-0.454	14.788
722	<input type="checkbox"/>	TOE_2916	5,116.100	0.000	0.000	0.000	5,103.374	Not Full	No	-0.493	12.726
723	<input type="checkbox"/>	TOE_2917	5,127.100	60,073.897	217,719.232	0.000	5,116.969	Not Full	No	-0.498	10.131
724	<input type="checkbox"/>	TOE_2920	4,988.020	0.000	0.000	0.000	4,970.475	Not Full	No	-2.015	17.545
725	<input type="checkbox"/>	TOE_2921	5,009.220	0.000	0.000	0.000	4,988.809	Not Full	No	-1.721	20.411
726	<input type="checkbox"/>	TOE_2941	5,101.560	0.000	0.000	0.000	5,083.587	Not Full	No	-0.713	17.973
727	<input type="checkbox"/>	TOE_2942	5,095.220	0.000	0.000	0.000	5,079.762	Not Full	No	-0.768	15.458
728	<input type="checkbox"/>	TOE_2943	5,086.380	0.000	0.000	0.000	5,070.416	Not Full	No	-0.764	15.964
729	<input type="checkbox"/>	TOE_2944	5,080.970	213,903.279	637,982.333	0.000	5,057.838	Not Full	Yes	-0.682	23.132
730	<input type="checkbox"/>	TOE_2945	5,071.410	0.000	0.000	0.000	5,057.348	Not Full	No	-0.572	14.062
731	<input type="checkbox"/>	TOE_2946	5,070.940	0.000	0.000	0.000	5,056.656	Not Full	No	-0.624	14.284
732	<input type="checkbox"/>	TOE_2947	5,070.110	0.000	0.000	0.000	5,056.262	Not Full	No	-0.448	13.848
733	<input type="checkbox"/>	TOE_2948	5,070.560	0.000	0.000	0.000	5,056.155	Not Full	No	-0.305	14.405
734	<input type="checkbox"/>	TOE_2949	5,067.830	0.000	0.000	0.000	5,055.539	Not Full	No	-0.431	12.291
735	<input type="checkbox"/>	TOE_2950	4,930.000	0.000	0.000	0.000	4,928.551	Not Full	No	-0.579	1.449
736	<input type="checkbox"/>	TOE_2951	4,934.060	0.000	0.000	0.000	4,929.764	Not Full	No	0.014	4.296
737	<input type="checkbox"/>	TOE_2960	5,099.000	0.000	0.000	0.000	5,087.475	Not Full	No	-0.485	11.525
738	<input type="checkbox"/>	TOE_2962	5,098.360	0.000	0.000	0.000	5,088.348	Not Full	Yes	0.008	10.012

FULL BUILDOUT W/ I/I - MANHOLE TABLE

		ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
739	<input type="checkbox"/>	TOE_2964	5,098.200	21,369.592	80,730.690	0.000	5,087.484	Not Full	No	-0.716	10.716
740	<input type="checkbox"/>	TOE_2965	5,099.700	0.000	0.000	0.000	5,088.916	Not Full	Yes	-0.584	10.784
741	<input type="checkbox"/>	TOE_2966	5,104.500	0.000	0.000	0.000	5,096.057	Not Full	No	-0.743	8.443
742	<input type="checkbox"/>	TOE_2967	5,109.100	0.000	0.000	0.000	5,098.209	Not Full	Yes	-0.591	10.891
743	<input type="checkbox"/>	TOE_2968	5,110.300	0.000	0.000	0.000	5,100.087	Not Full	No	-0.713	10.213
744	<input type="checkbox"/>	TOE_2969	5,111.800	0.000	0.000	0.000	5,099.169	Not Full	No	-0.631	12.631
745	<input type="checkbox"/>	TOE_2970	5,116.500	55,890.699	203,247.756	0.000	5,103.836	Not Full	No	-0.564	12.664
746	<input type="checkbox"/>	TOE_2971	5,115.900	0.000	0.000	0.000	5,102.609	Not Full	No	-0.591	13.291
747	<input type="checkbox"/>	TOE_2972	5,117.400	0.000	0.000	0.000	5,101.283	Not Full	No	-0.617	16.117
748	<input type="checkbox"/>	TOE_2973	5,120.000	0.000	0.000	0.000	5,105.878	Not Full	No	-0.622	14.122
749	<input type="checkbox"/>	TOE_2977	5,105.640	14,309.275	54,057.580	0.000	5,099.336	Not Full	No	-0.481	6.304
750	<input type="checkbox"/>	TOE_2978	5,133.570	31,590.708	119,187.787	0.000	5,112.741	Not Full	No	-0.979	20.829
751	<input type="checkbox"/>	TOE_2979	5,125.960	0.000	0.000	0.000	5,110.818	Not Full	No	-0.942	15.142
752	<input type="checkbox"/>	TOE_2980	5,135.280	0.000	0.000	0.000	5,109.309	Not Full	Yes	-0.931	25.971
753	<input type="checkbox"/>	TOE_2981	5,129.120	0.000	0.000	0.000	5,118.098	Not Full	No	-1.046	11.022
754	<input type="checkbox"/>	TOE_2982	5,156.250	0.000	0.000	0.000	5,134.500	Not Full	No	-1.500	21.750
755	<input type="checkbox"/>	TOE_2983	5,156.910	540,454.837	1,395,420.811	0.000	5,133.794	Not Full	No	-1.166	23.116
756	<input type="checkbox"/>	TOE_2984	5,083.315	0.000	0.000	0.000	5,073.530	Not Full	No	-0.855	9.785
757	<input type="checkbox"/>	TOE_2985	5,135.145	0.000	0.000	0.000	5,119.079	Not Full	No	-0.686	16.066
758	<input type="checkbox"/>	TOE_2986	5,135.995	40,499.985	150,008.418	0.000	5,119.347	Not Full	No	-0.708	16.648
759	<input type="checkbox"/>	TOE_2987	5,143.225	0.000	0.000	0.000	5,124.319	Not Full	Yes	-0.696	18.906
760	<input type="checkbox"/>	TOE_2988	5,151.225	0.000	0.000	0.000	5,126.282	Not Full	No	-0.703	24.943
761	<input type="checkbox"/>	TOE_2989	5,151.225	30,239.989	114,238.037	0.000	5,128.340	Not Full	No	-0.705	22.885
762	<input type="checkbox"/>	TOE_2990	5,127.040	0.000	0.000	0.000	5,116.779	Not Full	No	-0.428	10.261
763	<input type="checkbox"/>	TOE_2991	5,143.225	0.000	0.000	0.000	5,122.367	Not Full	No	-0.718	20.858
764	<input type="checkbox"/>	TOE_2992	5,107.670	0.000	0.000	0.000	5,092.253	Not Full	No	-0.351	15.417
765	<input type="checkbox"/>	TOE_2994	5,011.000	0.000	0.000	0.000	4,993.215	Not Full	No	-1.855	17.785
766	<input type="checkbox"/>	TOE_2997	5,102.000	0.000	0.000	0.000	5,087.083	Not Full	No	-0.451	14.917
767	<input type="checkbox"/>	TOE_3003	5,171.230	0.000	0.000	0.000	5,155.175	Not Full	No	-0.833	16.055
768	<input type="checkbox"/>	TOE_3005	5,011.000	0.000	0.000	0.000	4,993.028	Not Full	No	-2.242	17.972
769	<input type="checkbox"/>	VPF1_1	5,067.160	0.000	0.000	0.000	5,054.822	Not Full	No	-0.538	12.338
770	<input type="checkbox"/>	VPF1_103	5,067.570	0.000	0.000	0.000	5,052.775	Not Full	No	-0.875	14.795
771	<input type="checkbox"/>	VPF1_11	5,075.480	0.000	0.000	0.000	5,064.519	Not Full	No	-1.231	10.961
772	<input type="checkbox"/>	VPF1_12	5,071.900	0.000	0.000	0.000	5,060.990	Not Full	No	-1.160	10.910
773	<input type="checkbox"/>	VPF1_126	5,074.140	0.000	0.000	0.000	5,055.890	Not Full	No	-0.667	18.250
774	<input type="checkbox"/>	VPF1_127	5,066.000	0.000	0.000	0.000	5,051.180	Not Full	No	-0.667	14.820
775	<input type="checkbox"/>	VPF1_128	5,059.140	0.000	0.000	0.000	5,046.440	Not Full	No	-0.667	12.700
776	<input type="checkbox"/>	VPF1_129	5,058.660	22,679.991	85,678.528	0.000	5,045.550	Not Full	No	-0.527	13.110
777	<input type="checkbox"/>	VPF1_13	5,078.400	0.000	0.000	0.000	5,059.093	Not Full	No	-1.257	19.307
778	<input type="checkbox"/>	VPF1_130	5,056.230	0.000	0.000	0.000	5,043.800	Not Full	No	-0.566	12.430
779	<input type="checkbox"/>	VPF1_14	5,069.300	0.000	0.000	0.000	5,055.222	Not Full	Yes	-0.828	14.078

FULL BUILDOUT W/ I/I - MANHOLE TABLE

		ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
780	<input type="checkbox"/>	VPF1_15	5,069.300	0.000	0.000	0.000	5,054.771	Not Full	No	-0.879	14.529
781	<input type="checkbox"/>	VPF1_15A	5,064.530	44,010.703	162,151.346	0.000	5,051.234	Not Full	Yes	-0.816	13.296
782	<input type="checkbox"/>	VPF1_16	5,062.560	0.000	0.000	0.000	5,049.462	Not Full	No	-1.438	13.098
783	<input type="checkbox"/>	VPF1_17	5,058.600	0.000	0.000	0.000	5,038.291	Not Full	Yes	-0.859	20.309
784	<input type="checkbox"/>	VPF1_18A	5,058.100	0.000	0.000	0.000	5,037.199	Not Full	No	-0.951	20.901
785	<input type="checkbox"/>	VPF1_19A	5,056.800	0.000	0.000	0.000	5,036.234	Not Full	No	-0.946	20.566
786	<input type="checkbox"/>	VPF1_20A	5,054.500	0.000	0.000	0.000	5,035.117	Not Full	No	-0.923	19.383
787	<input type="checkbox"/>	VPF1_21A	5,054.700	0.000	0.000	0.000	5,033.976	Not Full	No	-1.154	20.724
788	<input type="checkbox"/>	VPF1_32A	5,080.000	17,279.993	65,279.495	0.000	5,066.648	Not Full	No	-1.302	13.352
789	<input type="checkbox"/>	VPF1_58	5,067.590	19,979.992	75,479.012	0.000	5,054.368	Not Full	No	-0.582	13.222
790	<input type="checkbox"/>	VPF1_7	5,085.770	0.000	0.000	0.000	5,075.259	Not Full	No	-0.991	10.511
791	<input type="checkbox"/>	VPF1_718	5,092.100	69,351.814	246,183.111	0.000	5,079.120	Not Full	No	-0.980	12.980
792	<input type="checkbox"/>	VPF1_8	5,082.650	0.000	0.000	0.000	5,071.916	Not Full	No	-0.844	10.734
793	<input type="checkbox"/>	VPFE_10A	5,083.640	0.000	0.000	0.000	5,069.774	Not Full	No	-0.926	13.866
794	<input type="checkbox"/>	VPFE_717	5,098.830	0.000	0.000	0.000	5,085.421	Not Full	No	-0.543	13.409
795	<input type="checkbox"/>	VRF1D_702	5,136.180	0.000	0.000	0.000	5,123.223	Not Full	No	-0.591	12.957
796	<input type="checkbox"/>	VRF1D_703	5,125.680	0.000	0.000	0.000	5,113.604	Not Full	No	-0.560	12.076
797	<input type="checkbox"/>	VRF1D_704	5,119.340	0.000	0.000	0.000	5,107.266	Not Full	No	-0.558	12.074
798	<input type="checkbox"/>	VRF1D_705	5,116.570	0.000	0.000	0.000	5,104.443	Not Full	No	-0.561	12.127
799	<input type="checkbox"/>	VRF1D_707	5,113.290	0.000	0.000	0.000	5,101.327	Not Full	No	-0.546	11.963
800	<input type="checkbox"/>	VRF1D_708	5,111.140	0.000	0.000	0.000	5,099.288	Not Full	No	-0.485	11.852
801	<input type="checkbox"/>	VRF1D_709	5,108.490	0.000	0.000	0.000	5,098.106	Not Full	Yes	-0.417	10.384
802	<input type="checkbox"/>	VRF1D_710	5,110.890	0.000	0.000	0.000	5,097.505	Not Full	No	-0.418	13.385
803	<input type="checkbox"/>	VRF1D_711	5,115.620	0.000	0.000	0.000	5,096.625	Not Full	No	-0.428	18.995
804	<input type="checkbox"/>	VRF1D_712	5,119.540	0.000	0.000	0.000	5,095.814	Not Full	No	-0.409	23.726
805	<input type="checkbox"/>	VRF1D_713	5,116.910	0.000	0.000	0.000	5,095.063	Not Full	No	-0.410	21.847
806	<input type="checkbox"/>	VRF1D_714	5,112.260	0.000	0.000	0.000	5,094.129	Not Full	No	-0.464	18.131
807	<input type="checkbox"/>	VRF1D_715	5,110.280	0.000	0.000	0.000	5,092.863	Not Full	No	-0.550	17.417
808	<input type="checkbox"/>	VRF1D_716	5,102.500	42,659.984	157,480.841	0.000	5,088.968	Not Full	No	-0.465	13.532
809	<input type="checkbox"/>	VRF1G_186	5,145.220	0.000	0.000	0.000	5,136.104	Not Full	No	-0.550	9.116
810	<input type="checkbox"/>	VRF1G_188	5,141.220	0.000	0.000	0.000	5,128.688	Not Full	No	-0.466	12.532
811	<input type="checkbox"/>	VRF1G_204	5,146.770	0.000	0.000	0.000	5,127.042	Not Full	Yes	-0.618	19.728
812	<input type="checkbox"/>	VRF1G_205	5,137.330	0.000	0.000	0.000	5,125.817	Not Full	No	-0.613	11.513
813	<input type="checkbox"/>	VRGC1_698	5,157.760	174,635.934	537,427.831	0.000	5,137.682	Not Full	No	-0.511	20.078
814	<input type="checkbox"/>	VRGC1_699	5,153.370	0.000	0.000	0.000	5,134.958	Not Full	No	-0.546	18.412
815	<input type="checkbox"/>	VRGC2_206	5,137.400	0.000	0.000	0.000	5,124.564	Not Full	No	-0.736	12.836
816	<input type="checkbox"/>	VRGC2_526	5,142.130	0.000	0.000	0.000	5,131.842	Not Full	No	-0.688	10.288
817	<input type="checkbox"/>	VRGC2_527	5,138.210	78,570.690	273,384.973	0.000	5,127.225	Not Full	No	-0.685	10.985
818	<input type="checkbox"/>	VRGC2_543	5,134.310	0.000	0.000	0.000	5,119.109	Not Full	Yes	-0.491	15.201
819	<input type="checkbox"/>	VRGC2_544	5,125.790	0.000	0.000	0.000	5,117.251	Not Full	No	-0.539	8.539
820	<input type="checkbox"/>	VRGC2_545	5,121.520	0.000	0.000	0.000	5,111.969	Not Full	Yes	-0.701	9.551

FULL BUILDOUT W/ I/I - MANHOLE TABLE

		ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
821	<input type="checkbox"/>	VRGC2_580	5,120.220	0.000	0.000	0.000	5,110.437	Not Full	No	-0.733	9.783
822	<input type="checkbox"/>	VRGC2_581	5,123.750	0.000	0.000	0.000	5,108.928	Not Full	No	-0.772	14.822
823	<input type="checkbox"/>	VRGC2_582	5,116.400	74,519.972	261,433.513	0.000	5,107.200	Not Full	No	-0.780	9.200
824	<input type="checkbox"/>	VRGC2_583	5,116.440	0.000	0.000	0.000	5,104.442	Not Full	No	-1.158	11.998
825	<input type="checkbox"/>	VRGC4_365	5,191.820	176,850.653	543,202.321	0.000	5,179.389	Not Full	No	-0.404	12.431
826	<input type="checkbox"/>	VRGC4_366	5,189.850	0.000	0.000	0.000	5,178.025	Not Full	No	-0.459	11.825
827	<input type="checkbox"/>	VRGC4_389	5,191.830	0.000	0.000	0.000	5,176.812	Not Full	No	-0.451	15.018
828	<input type="checkbox"/>	VRGC4_415	5,189.660	0.000	0.000	0.000	5,175.402	Not Full	Yes	-0.391	14.258
829	<input type="checkbox"/>	VRGC4_416	5,192.130	0.000	0.000	0.000	5,173.522	Not Full	No	-0.441	18.608
830	<input type="checkbox"/>	VRGC4_417	5,183.930	0.000	0.000	0.000	5,170.994	Not Full	No	-0.619	12.936
831	<input type="checkbox"/>	VRGC4_418	5,153.010	25,352.630	95,777.244	0.000	5,147.096	Not Full	No	-0.448	5.914
832	<input type="checkbox"/>	VRGC4_419	5,150.600	0.000	0.000	0.000	5,143.516	Not Full	No	-0.518	7.084
833	<input type="checkbox"/>	VRGC4_420	5,150.350	0.000	0.000	0.000	5,140.063	Not Full	No	-0.520	10.287
834	<input type="checkbox"/>	VRGC6_183	5,175.770	170,936.576	527,781.355	0.000	5,146.529	Not Full	No	-0.445	29.241
835	<input type="checkbox"/>	VRGC6_184	5,155.730	0.000	0.000	0.000	5,145.136	Not Full	No	-0.527	10.594
836	<input type="checkbox"/>	VRGC6_185	5,152.370	0.000	0.000	0.000	5,140.338	Not Full	No	-0.565	12.032
837	<input type="checkbox"/>	WCR10	5,106.000	218,184.398	648,832.482	0.000	5,094.373	Not Full	No	-0.293	11.627
838	<input type="checkbox"/>	WCR3_100	5,023.010	0.000	0.000	0.000	5,015.620	Not Full	No	-0.910	7.390
839	<input type="checkbox"/>	WCR3_100A	5,026.060	0.000	0.000	0.000	5,017.492	Not Full	No	-0.778	8.568
840	<input type="checkbox"/>	WCR3_100B	5,027.500	0.000	0.000	0.000	5,019.283	Not Full	No	-0.777	8.217
841	<input type="checkbox"/>	WCR3_101	5,028.990	0.000	0.000	0.000	5,021.073	Not Full	No	-0.777	7.917
842	<input type="checkbox"/>	WCR3_102	5,029.520	0.000	0.000	0.000	5,022.216	Not Full	No	-0.784	7.304
843	<input type="checkbox"/>	WCR3_103	5,030.990	0.000	0.000	0.000	5,024.600	Not Full	No	-0.850	6.390
844	<input type="checkbox"/>	WCR3_11A	5,068.180	0.000	0.000	0.000	5,055.853	Not Full	Yes	-0.797	12.327
845	<input type="checkbox"/>	WCR3_184	5,094.790	43,155.344	159,192.435	0.000	5,082.691	Not Full	No	-0.643	12.099
846	<input type="checkbox"/>	WCR3_80	4,964.020	7,559.997	28,559.509	0.000	4,951.390	Not Full	No	-0.860	12.630
847	<input type="checkbox"/>	WCR3_81	4,964.350	0.000	0.000	0.000	4,953.426	Not Full	No	-0.904	10.924
848	<input type="checkbox"/>	WCR3_82	4,964.780	0.000	0.000	0.000	4,954.301	Not Full	No	-0.669	10.479
849	<input type="checkbox"/>	WCR3_83	4,967.250	0.000	0.000	0.000	4,957.210	Not Full	No	-0.670	10.040
850	<input type="checkbox"/>	WCR3_84	4,968.740	0.000	0.000	0.000	4,958.870	Not Full	No	-0.670	9.870
851	<input type="checkbox"/>	WCR3_85	4,974.200	0.000	0.000	0.000	4,962.834	Not Full	No	-0.706	11.366
852	<input type="checkbox"/>	WCR3_86	4,976.960	0.000	0.000	0.000	4,965.618	Not Full	No	-0.672	11.342
853	<input type="checkbox"/>	WCR3_86A	4,989.610	0.000	0.000	0.000	4,973.657	Not Full	No	-0.743	15.953
854	<input type="checkbox"/>	WCR3_86B	4,983.490	49,679.981	181,761.432	0.000	4,970.619	Not Full	No	-0.721	12.871
855	<input type="checkbox"/>	WCR3_86C	4,983.460	0.000	0.000	0.000	4,967.674	Not Full	No	-0.736	15.786
856	<input type="checkbox"/>	WCR3_87	4,990.560	0.000	0.000	0.000	4,976.179	Not Full	No	-0.741	14.381
857	<input type="checkbox"/>	WCR3_88	4,994.080	0.000	0.000	0.000	4,978.320	Not Full	No	-0.740	15.760
858	<input type="checkbox"/>	WCR3_89	4,988.470	0.000	0.000	0.000	4,981.109	Not Full	No	-0.741	7.361
859	<input type="checkbox"/>	WCR3_90	5,000.230	0.000	0.000	0.000	4,985.170	Not Full	No	-0.810	15.060
860	<input type="checkbox"/>	WCR3_91	4,999.540	0.000	0.000	0.000	4,987.018	Not Full	No	-0.692	12.522
861	<input type="checkbox"/>	WCR3_92	4,999.290	0.000	0.000	0.000	4,988.897	Not Full	No	-0.693	10.393

FULL BUILDOUT W/ I/I - MANHOLE TABLE

		ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
862	<input type="checkbox"/>	WCR3_93	4,998.750	0.000	0.000	0.000	4,990.405	Not Full	No	-0.695	8.345
863	<input type="checkbox"/>	WCR3_94	5,007.400	0.000	0.000	0.000	4,995.445	Not Full	No	-0.845	11.955
864	<input type="checkbox"/>	WCR3_94A	5,010.850	60,863.017	220,447.443	0.000	4,997.656	Not Full	No	-0.684	13.194
865	<input type="checkbox"/>	WCR3_95	5,012.370	0.000	0.000	0.000	4,998.753	Not Full	No	-0.737	13.617
866	<input type="checkbox"/>	WCR3_96	5,013.040	0.000	0.000	0.000	5,001.559	Not Full	No	-0.721	11.481
867	<input type="checkbox"/>	WCR3_97	5,013.510	0.000	0.000	0.000	5,004.169	Not Full	No	-0.721	9.341
868	<input type="checkbox"/>	WCR3_98	5,018.000	114,210.677	375,364.077	0.000	5,008.361	Not Full	No	-0.789	9.639
869	<input type="checkbox"/>	WCR3_99	5,021.010	0.000	0.000	0.000	5,010.143	Not Full	No	-0.777	10.867
870	<input type="checkbox"/>	WCR3_H125	5,085.240	0.000	0.000	0.000	5,072.800	Not Full	No	-0.667	12.440
871	<input type="checkbox"/>	WCR3_H126	5,080.230	0.000	0.000	0.000	5,071.780	Not Full	No	-0.667	8.450
872	<input type="checkbox"/>	WCR3_H127	5,081.120	0.000	0.000	0.000	5,071.100	Not Full	No	-0.667	10.020
873	<input type="checkbox"/>	WCR3_H128	5,077.710	0.000	0.000	0.000	5,068.900	Not Full	No	-0.667	8.810
874	<input type="checkbox"/>	WCR3_H129	5,079.410	0.000	0.000	0.000	5,067.000	Not Full	No	-0.667	12.410
875	<input type="checkbox"/>	WCR3_H130	5,078.600	0.000	0.000	0.000	5,065.300	Not Full	No	-0.667	13.300
876	<input type="checkbox"/>	WCR3_H131	5,076.050	179,549.212	550,238.101	0.000	5,062.153	Not Full	No	-0.481	13.897
877	<input type="checkbox"/>	WCR3_H132	5,077.020	0.000	0.000	0.000	5,061.408	Not Full	No	-0.426	15.612
878	<input type="checkbox"/>	WCR3_H133	5,074.230	0.000	0.000	0.000	5,060.302	Not Full	No	-0.531	13.928
879	<input type="checkbox"/>	WCR3_H134	5,072.210	0.000	0.000	0.000	5,057.260	Not Full	No	-0.840	14.950
880	<input type="checkbox"/>	WCR3_H135	5,080.510	0.000	0.000	0.000	5,062.368	Not Full	No	-0.762	18.142
881	<input type="checkbox"/>	WCR3_H136	5,079.790	0.000	0.000	0.000	5,064.383	Not Full	No	-0.717	15.407
882	<input type="checkbox"/>	WCR3_H137	5,080.010	0.000	0.000	0.000	5,066.383	Not Full	No	-0.717	13.627
883	<input type="checkbox"/>	WCR3_H138	5,078.740	0.000	0.000	0.000	5,068.585	Not Full	No	-0.715	10.155
884	<input type="checkbox"/>	WCR3_H139	5,081.290	0.000	0.000	0.000	5,070.285	Not Full	No	-0.715	11.005
885	<input type="checkbox"/>	WCR3_H140	5,085.040	0.000	0.000	0.000	5,072.926	Not Full	No	-0.754	12.114
886	<input type="checkbox"/>	WCR3_H141	5,085.410	60,412.297	218,887.578	0.000	5,073.415	Not Full	Yes	-0.685	11.995
887	<input type="checkbox"/>	WCR3_H146	5,089.800	0.000	0.000	0.000	5,077.660	Not Full	No	-0.673	12.140
888	<input type="checkbox"/>	WCR3_H164	5,096.500	0.000	0.000	0.000	5,079.325	Not Full	No	-0.608	17.175
889	<input type="checkbox"/>	WCR3_H165	5,095.420	0.000	0.000	0.000	5,080.026	Not Full	No	-0.608	15.394
890	<input type="checkbox"/>	WCR3_H171	5,093.250	0.000	0.000	0.000	5,081.236	Not Full	Yes	-0.598	12.014
891	<input type="checkbox"/>	WCR3_H185	5,097.730	0.000	0.000	0.000	5,085.500	Not Full	No	-0.833	12.230
892	<input type="checkbox"/>	WCR3_H186	5,104.280	0.000	0.000	0.000	5,092.000	Not Full	No	-0.833	12.280
893	<input type="checkbox"/>	WCR3_H187	5,105.550	0.000	0.000	0.000	5,093.300	Not Full	No	-0.833	12.250
894	<input type="checkbox"/>	WCR3_H188	5,106.480	0.000	0.000	0.000	5,095.000	Not Full	No	-0.667	11.480
895	<input type="checkbox"/>	WCR3_H189	5,108.120	0.000	0.000	0.000	5,097.800	Not Full	No	-0.667	10.320
896	<input type="checkbox"/>	WCR3_H190	5,111.400	0.000	0.000	0.000	5,099.400	Not Full	No	-0.667	12.000
897	<input type="checkbox"/>	WCR3_H191	5,113.380	0.000	0.000	0.000	5,101.380	Not Full	No	-0.667	12.000
898	<input type="checkbox"/>	WCR3_H192	5,116.340	0.000	0.000	0.000	5,104.340	Not Full	No	-0.667	12.000
899	<input type="checkbox"/>	WCR3_H192A	5,120.060	0.000	0.000	0.000	5,108.060	Not Full	No	-0.667	12.000
900	<input type="checkbox"/>	WCR3_H193	5,123.260	0.000	0.000	0.000	5,111.260	Not Full	No	-0.667	12.000
901	<input type="checkbox"/>	WCR3_H194	5,127.280	0.000	0.000	0.000	5,115.290	Not Full	No	-0.667	11.990
902	<input type="checkbox"/>	WCR3_I1	5,069.640	0.000	0.000	0.000	5,056.527	Not Full	No	-0.833	13.113

FULL BUILDOUT W/ I/I - MANHOLE TABLE

		ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
903	<input type="checkbox"/>	WCR3_I10	5,049.360	0.000	0.000	0.000	5,037.321	Not Full	No	-0.749	12.039
904	<input type="checkbox"/>	WCR3_I11	5,046.150	62,503.176	225,972.390	0.000	5,035.404	Not Full	No	-0.866	10.746
905	<input type="checkbox"/>	WCR3_I12	5,050.460	0.000	0.000	0.000	5,032.980	Not Full	Yes	-0.710	17.480
906	<input type="checkbox"/>	WCR3_I13	5,046.090	0.000	0.000	0.000	5,031.581	Not Full	No	-0.709	14.509
907	<input type="checkbox"/>	WCR3_I13A	5,041.820	0.000	0.000	0.000	5,030.105	Not Full	No	-0.835	11.715
908	<input type="checkbox"/>	WCR3_I14	5,040.390	0.000	0.000	0.000	5,028.798	Not Full	No	-0.842	11.592
909	<input type="checkbox"/>	WCR3_I15	5,039.430	0.000	0.000	0.000	5,027.053	Not Full	No	-0.777	12.377
910	<input type="checkbox"/>	WCR3_I2	5,066.970	0.000	0.000	0.000	5,053.878	Not Full	No	-0.822	13.092
911	<input type="checkbox"/>	WCR3_I4	5,065.060	0.000	0.000	0.000	5,051.377	Not Full	No	-0.923	13.683
912	<input type="checkbox"/>	WCR3_I5	5,059.210	0.000	0.000	0.000	5,046.837	Not Full	No	-0.823	12.373
913	<input type="checkbox"/>	WCR3_I6	5,056.080	67,635.335	241,117.008	0.000	5,045.101	Not Full	No	-0.779	10.979
914	<input type="checkbox"/>	WCR3_I7	5,053.870	0.000	0.000	0.000	5,043.091	Not Full	No	-0.779	10.779
915	<input type="checkbox"/>	WCR3_I8	5,051.680	0.000	0.000	0.000	5,040.921	Not Full	Yes	-0.749	10.759
916	<input type="checkbox"/>	WCR3_I9	5,048.680	0.000	0.000	0.000	5,039.121	Not Full	No	-0.749	9.559
917	<input type="checkbox"/>	WCR3-I_3	5,066.070	0.000	0.000	0.000	5,052.878	Not Full	No	-0.822	13.192
918	<input type="checkbox"/>	WCR5_1	5,170.000	239,602.950	702,041.205	0.000	5,157.523	Not Full	No	-0.310	12.477
919	<input type="checkbox"/>	WCR5_10	5,094.000	0.000	0.000	0.000	5,081.438	Not Full	No	-0.562	12.562
920	<input type="checkbox"/>	WCR5_11	5,092.990	0.000	0.000	0.000	5,078.328	Not Full	No	-0.562	14.662
921	<input type="checkbox"/>	WCR5_12	5,084.000	0.000	0.000	0.000	5,071.472	Not Full	No	-0.528	12.528
922	<input type="checkbox"/>	WCR5_13	5,080.000	0.000	0.000	0.000	5,067.526	Not Full	No	-0.474	12.474
923	<input type="checkbox"/>	WCR5_14	5,078.000	0.000	0.000	0.000	5,065.502	Not Full	No	-0.498	12.498
924	<input type="checkbox"/>	WCR5_15	5,076.000	0.000	0.000	0.000	5,063.455	Not Full	No	-0.545	12.545
925	<input type="checkbox"/>	WCR5_16	5,070.000	79,993.410	277,583.874	0.000	5,057.522	Not Full	No	-0.478	12.478
926	<input type="checkbox"/>	WCR5_17	5,066.000	0.000	0.000	0.000	5,053.541	Not Full	No	-0.459	12.459
927	<input type="checkbox"/>	WCR5_18	5,062.000	0.000	0.000	0.000	5,049.457	Not Full	No	-0.543	12.543
928	<input type="checkbox"/>	WCR5_19	5,058.000	0.000	0.000	0.000	5,045.512	Not Full	No	-0.488	12.488
929	<input type="checkbox"/>	WCR5_2	5,162.980	0.000	0.000	0.000	5,149.285	Not Full	No	-0.448	13.695
930	<input type="checkbox"/>	WCR5_20	5,048.000	0.000	0.000	0.000	5,035.622	Not Full	No	-0.378	12.378
931	<input type="checkbox"/>	WCR5_21	5,045.000	0.000	0.000	0.000	5,032.482	Not Full	No	-0.508	12.518
932	<input type="checkbox"/>	WCR5_22	5,029.000	7,911.357	29,887.189	0.000	5,016.806	Not Full	Yes	-0.444	12.194
933	<input type="checkbox"/>	WCR5_23	5,028.000	0.000	0.000	0.000	5,015.516	Not Full	No	-0.734	12.484
934	<input type="checkbox"/>	WCR5_24	5,022.000	26,455.670	99,943.162	0.000	5,009.596	Not Full	No	-0.654	12.404
935	<input type="checkbox"/>	WCR5_25	5,017.080	0.000	0.000	0.000	5,004.524	Not Full	No	-0.626	12.556
936	<input type="checkbox"/>	WCR5_26	5,018.000	0.000	0.000	0.000	5,002.394	Not Full	No	-0.626	15.606
937	<input type="checkbox"/>	WCR5_27	5,018.000	0.000	0.000	0.000	5,000.556	Not Full	No	-0.624	17.444
938	<input type="checkbox"/>	WCR5_28	5,016.000	0.000	0.000	0.000	4,999.161	Not Full	No	-0.789	16.839
939	<input type="checkbox"/>	WCR5_3	5,156.000	0.000	0.000	0.000	5,143.222	Not Full	No	-0.481	12.778
940	<input type="checkbox"/>	WCR5_4	5,138.000	275,618.776	790,223.353	0.000	5,125.668	Not Full	Yes	-0.232	12.332
941	<input type="checkbox"/>	WCR5_5	5,136.000	0.000	0.000	0.000	5,123.963	Not Full	No	0.063	12.037
942	<input type="checkbox"/>	WCR5_6	5,138.000	0.000	0.000	0.000	5,121.380	Not Full	No	0.030	16.620
943	<input type="checkbox"/>	WCR5_7	5,132.000	0.000	0.000	0.000	5,119.453	Not Full	No	-0.547	12.547

FULL BUILDOUT W/ I/I - MANHOLE TABLE

		ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
944	<input type="checkbox"/>	WCR5_8	5,124.000	0.000	0.000	0.000	5,111.419	Not Full	No	-0.581	12.581
945	<input type="checkbox"/>	WCR5_9	5,112.000	0.000	0.000	0.000	5,099.417	Not Full	No	-0.583	12.583
946	<input type="checkbox"/>	WCR7_1	5,154.000	0.000	0.000	0.000	5,141.000	Not Full	No	-0.667	13.000
947	<input type="checkbox"/>	WCR7_10	5,062.000	0.000	0.000	0.000	5,049.338	Not Full	No	-0.328	12.662
948	<input type="checkbox"/>	WCR7_11	5,058.000	0.000	0.000	0.000	5,045.380	Not Full	Yes	-0.286	12.620
949	<input type="checkbox"/>	WCR7_12	5,055.990	144,616.266	458,255.239	0.000	5,043.407	Not Full	No	-0.426	12.583
950	<input type="checkbox"/>	WCR7_13	5,050.000	0.000	0.000	0.000	5,037.427	Not Full	No	-0.406	12.573
951	<input type="checkbox"/>	WCR7_14	5,044.000	0.000	0.000	0.000	5,031.454	Not Full	No	-0.380	12.546
952	<input type="checkbox"/>	WCR7_15	5,042.000	0.000	0.000	0.000	5,029.435	Not Full	No	-0.398	12.565
953	<input type="checkbox"/>	WCR7_16	5,038.000	0.000	0.000	0.000	5,025.376	Not Full	No	-0.357	12.624
954	<input type="checkbox"/>	WCR7_17	5,036.000	0.000	0.000	0.000	5,023.529	Not Full	Yes	-0.244	12.471
955	<input type="checkbox"/>	WCR7_18	5,034.990	230,854.953	680,308.913	0.000	5,021.569	Not Full	No	-0.264	13.421
956	<input type="checkbox"/>	WCR7_2	5,136.000	0.000	0.000	0.000	5,123.000	Not Full	No	-0.667	13.000
957	<input type="checkbox"/>	WCR7_3	5,120.000	0.000	0.000	0.000	5,107.000	Not Full	No	-0.667	13.000
958	<input type="checkbox"/>	WCR7_4	5,108.000	0.000	0.000	0.000	5,095.000	Not Full	No	-0.667	13.000
959	<input type="checkbox"/>	WCR7_5	5,102.000	0.000	0.000	0.000	5,089.000	Not Full	No	-0.667	13.000
960	<input type="checkbox"/>	WCR7_6	5,094.000	0.000	0.000	0.000	5,081.000	Not Full	No	-0.667	13.000
961	<input type="checkbox"/>	WCR7_7	5,090.000	112,072.278	369,380.519	0.000	5,077.265	Not Full	No	-0.402	12.735
962	<input type="checkbox"/>	WCR7_8	5,072.000	0.000	0.000	0.000	5,059.298	Not Full	No	-0.379	12.702
963	<input type="checkbox"/>	WCR7_9	5,068.000	0.000	0.000	0.000	5,055.290	Not Full	No	-0.377	12.710

FULL BUILDOUT W/ I/I - PIPE TABLE

		ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (gpd)	Unpeakable Flow (gpd)	Peakable Flow (gpd)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth (ft)	Critical Depth (ft)	Froude Number	Full Flow (gpd)	Backwater Adjustment	Adjusted Depth (ft)	Adjusted Velocity (ft/s)
1		AIF1_119-ECF21_120	AIF1_119	ECF21_120	12.000	488.407	0.004	727,517.711	18,509.753	231,369.033	Free Surface	3.002	0.482	0.470	0.482	0.447	0.864	1,547,662.229	No	0.482	3.002
2		ARF1_12-ARF1_4	ARF1_12	ARF1_4	8.000	154.018	0.004	230,360.489	4,740.478	59,250.218	Free Surface	2.251	0.464	0.439	0.309	0.277	0.813	525,053.946	No	0.309	2.251
3		ARF1_16-ARF1_12	ARF1_16	ARF1_12	8.000	132.199	0.011	230,360.489	4,740.478	59,250.218	Free Surface	3.364	0.343	0.253	0.229	0.277	1.449	909,644.038	No	0.229	3.364
4		ARF1_17-ARF1_16	ARF1_17	ARF1_16	8.000	314.508	0.009	230,360.489	4,740.478	59,250.218	Free Surface	3.129	0.362	0.280	0.241	0.277	1.308	822,988.236	No	0.241	3.129
5		ARF1_28-ARF1_17	ARF1_28	ARF1_17	8.000	284.662	0.020	230,360.489	4,740.478	59,250.218	Free Surface	4.088	0.298	0.193	0.199	0.277	1.905	1,193,034.187	No	0.199	4.088
6		ARF1_29-ARF1_28	ARF1_29	ARF1_28	8.000	66.881	0.012	230,360.489	4,740.478	59,250.218	Free Surface	3.457	0.336	0.244	0.224	0.277	1.506	945,043.898	No	0.224	3.457
7		ARF1_2-FMF9_1	ARF1_2	FMF9_1	10.000	336.918	0.004	230,360.489	4,740.478	59,250.218	Free Surface	2.354	0.321	0.224	0.268	0.260	0.941	1,029,721.578	Yes	0.284	2.169
8		ARF1_31-ARF1_29	ARF1_31	ARF1_29	8.000	345.854	0.009	230,360.489	4,740.478	59,250.218	Free Surface	3.052	0.369	0.290	0.246	0.277	1.262	795,342.077	No	0.246	3.052
9		ARF1_32-ARF1_31	ARF1_32	ARF1_31	8.000	124.179	0.007	230,360.489	4,740.478	59,250.218	Free Surface	2.868	0.386	0.315	0.257	0.277	1.155	730,184.738	No	0.257	2.868
10		ARF1_33-ARF1_32	ARF1_33	ARF1_32	8.000	224.073	0.010	230,360.489	4,740.478	59,250.218	Free Surface	3.156	0.360	0.277	0.240	0.277	1.324	832,905.398	No	0.240	3.156
11		ARF1_34-ARF1_33	ARF1_34	ARF1_33	8.000	155.283	0.006	230,360.489	4,740.478	59,250.218	Free Surface	2.612	0.414	0.359	0.276	0.277	1.010	642,238.703	No	0.276	2.612
12		ARF1_35-ARF1_34	ARF1_35	ARF1_34	8.000	103.489	0.005	230,360.489	4,740.478	59,250.218	Free Surface	2.489	0.429	0.383	0.286	0.277	0.941	601,337.528	No	0.286	2.489
13		ARF1_36-ARF1_35	ARF1_36	ARF1_35	8.000	271.125	0.009	230,360.489	4,740.478	59,250.218	Free Surface	3.027	0.371	0.293	0.247	0.277	1.248	786,423.378	No	0.247	3.027
14		ARF1_37-ARF1_36	ARF1_37	ARF1_36	8.000	113.306	0.006	230,360.489	4,740.478	59,250.218	Free Surface	2.726	0.401	0.338	0.267	0.277	1.074	680,924.666	No	0.267	2.726
15		ARF1_3-ARF1_2	ARF1_3	ARF1_2	8.000	201.740	0.006	230,360.489	4,740.478	59,250.218	Free Surface	2.718	0.402	0.340	0.268	0.277	1.070	678,362.734	No	0.268	2.718
16		ARF1_4-ARF1_3	ARF1_4	ARF1_3	8.000	122.407	0.015	230,360.489	4,740.478	59,250.218	Free Surface	3.719	0.319	0.220	0.213	0.277	1.669	1,045,721.845	No	0.213	3.719
17		ARF2_1-TOE_2647	ARF2_1	TOE_2647	8.000	158.000	0.008	230,360.489	4,740.478	59,250.218	Free Surface	2.963	0.377	0.302	0.251	0.277	1.210	763,554.513	No	0.251	2.963
18		ARF2_2-ARF2_1	ARF2_2	ARF2_1	8.000	151.286	0.006	230,360.489	4,740.478	59,250.218	Free Surface	2.711	0.403	0.341	0.268	0.277	1.065	675,771.581	No	0.268	2.711
19		BFF1_61-BFF1_61	BFF1_61	BFF1_61	8.000	397.643	0.005	0.000	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	601,633.726	No	0.000	0.000
20		BFF1_62-BFF1_62	BFF1_62	BFF1_62	8.000	345.405	0.005	0.000	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	600,374.865	Yes	0.070	0.000
21		BFF1_63-TOE_2733	BFF1_63	TOE_2733	8.000	197.672	0.007	68,340.934	1,340.639	16,750.074	Free Surface	1.998	0.209	0.096	0.139	0.148	1.127	713,929.656	Yes	0.235	0.964
22		CCF3_39E-CMF2_39D	CCF3_39E	CMF2_39D	10.000	161.407	0.004	269,400.673	5,719.678	71,500.293	Free Surface	2.352	0.361	0.278	0.301	0.281	0.881	968,552.158	No	0.301	2.352
23		CCF3_60A-CCF3_39E	CCF3_60A	CCF3_39E	10.000	310.798	0.004	170,554.711	3,440.159	42,999.824	Free Surface	2.103	0.281	0.172	0.234	0.222	0.906	990,944.494	No	0.234	2.103
24		CCF3_60-CCF3_60A	CCF3_60	CCF3_60A	10.000	135.757	0.040	0.000	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	3,061,985.380	Yes	0.007	0.000
25		CCF4_4-1-TOE_2990	CCF4_41	TOE_2990	8.000	204.703	0.012	259,043.478	5,460.478	68,250.214	Free Surface	3.520	0.362	0.280	0.241	0.295	1.472	926,183.223	No	0.241	3.520
26		CCF4_4-2-CCF4_41	CCF4_42	CCF4_41	8.000	274.850	0.030	127,591.152	2,519.999	31,499.988	Free Surface	4.014	0.199	0.086	0.132	0.204	2.326	1,478,629.209	No	0.132	4.014
27		CCF4_4-3-CCF4_42	CCF4_43	CCF4_42	8.000	287.880	0.031	127,591.152	2,519.999	31,499.988	Free Surface	4.027	0.198	0.086	0.132	0.204	2.337	1,485,724.658	No	0.132	4.027
28		CCF4_4-4-CCF4_43	CCF4_44	CCF4_43	8.000	307.760	0.018	127,591.152	2,519.999	31,499.988	Free Surface	3.357	0.225	0.111	0.150	0.204	1.820	1,148,410.503	No	0.150	3.357
29		CCF4_4-5-CCF4_44	CCF4_45	CCF4_44	8.000	312.018	0.018	127,591.152	2,519.999	31,499.988	Free Surface	3.346	0.226	0.112	0.150	0.204	1.812	1,145,577.617	No	0.150	3.346
30		CCF6_105-CCF6_106	CCF6_105	CCF6_106	12.000	300.958	0.015	727,517.711	18,509.753	231,369.033	Free Surface	5.002	0.329	0.234	0.329	0.447	1.801	3,112,332.973	No	0.329	5.002
31		CCF6_106-TOE_2640	CCF6_106	TOE_2640	12.000	304.102	0.015	727,517.711	18,509.753	231,369.033	Free Surface	4.893	0.334	0.241	0.334	0.447	1.746	3,018,825.908	No	0.334	4.893
32		CCF6_6-10-CCF6_69	CCF6_610	CCF6_69	8.000	294.243	0.018	259,043.478	5,460.478	68,250.214	Free Surface	4.122	0.322	0.225	0.215	0.295	1.839	1,152,419.655	No	0.215	4.122
33		CCF6_6-11-CCF6_610	CCF6_611	CCF6_610	8.000	108.377	0.016	259,043.478	5,460.478	68,250.214	Free Surface	3.904	0.335	0.242	0.224	0.295	1.703	1,068,707.131	No	0.224	3.904
34		CCF6_6-12-CCF6_611	CCF6_612	CCF6_611	8.000	139.412	0.017	259,043.478	5,460.478	68,250.214	Free Surface	4.032	0.327	0.232	0.218	0.295	1.783	1,117,689.788	No	0.218	4.032
35		CCF6_6-13-CCF6_612	CCF6_613	CCF6_612	8.000	116.143	0.012	259,043.478	5,460.478	68,250.214	Free Surface	3.544	0.360	0.277	0.240	0.295	1.485	934,707.955	No	0.240	3.544
36		CCF6_6-14-CCF6_613	CCF6_614	CCF6_613	8.000	93.593	0.010	259,043.478	5,460.478	68,250.214	Free Surface	3.334	0.377	0.302	0.251	0.295	1.362	859,168.773	No	0.251	3.334
37		CCF6_6-15-CCF6_105	CCF6_615	CCF6_105	12.000	250.404	0.035	259,043.478	5,460.478	68,250.214	Free Surface	4.966	0.159	0.055	0.159	0.262	2.636	4,699,501.517	Yes	0.174	4.371
38		CCF6_6-8-CCF6_615	CCF6_68	CCF6_615	8.000	122.248	0.018	259,043.478	5,460.478	68,250.214	Free Surface	4.065	0.326	0.229	0.217	0.295	1.803	1,130,246.077	No	0.217	4.065
39		CCF6_6-9-CCF6_68	CCF6_69	CCF6_68	8.000	210.219	0.017	259,043.478	5,460.478	68,250.214	Free Surface	4.008	0.329	0.234	0.219	0.295	1.768	1,108,600.417	No	0.219	4.008
40		CCF9_4-6-CCF4_45	CCF9_46	CCF4_45	8.000	295.271	0.005	127,591.152	2,519.999	31,499.988	Free Surface	2.160	0.308	0.206	0.205	0.204	0.988	618,590.475	No	0.205	2.160
41		CCF1_17-TOE_2631	CCF1_17	TOE_2631	15.000	200.085	0.011	881,347.763	23,232.951	290,401.811	Free Surface	4.626	0.290	0.183	0.362	0.461	1.599	4,819,738.677	No	0.362	4.626
42		CCF1_18-CCF1_17	CCF1_18	CCF1_17	15.000	192.033	0.012	881,347.763	23,232.951	290,401.811	Free Surface	4.686	0.287	0.180	0.359	0.461	1.628	4,908,843.591	No	0.359	4.686
43		CCF1_19B1-CCF1_19	CCF1_19B1	CCF1_19	12.000	114.139	0.008	440,380.202	10,219.676	127,750.992	Free Surface	3.435	0.300	0.196	0.300	0.344	1.301	2,245,553.259	No	0.300	3.435
44		CCF1_19B2-CCF1_19B1	CCF1_19B2	CCF1_19B1	12.000	135.089	0.007	440,380.202	10,219.676	127,750.992	Free Surface	3.195	0.316	0.217	0.316	0.344	1.176	2,030,162.628	No	0.316	3.195
45		CCF1_19-CCF1_18	CCF1_19	CCF1_18	15.000	128.744	0.011	881,347.763	23,232.951	290,401.811	Free Surface	4.540	0.294	0.188	0.367	0.461	1.557	4,695,185.852	No	0.367	4.540
46		CCF1_20-CCF1_19	CCF1_20	CCF1_19	12.000	259.752	0.011	540,105.884	13,013.275	162,650.819	Free Surface	4.065	0.308	0.206	0.308	0.382	1.518	2,619,928.491	No	0.308	4.065
47		CCF1_21-CCF1_20	CCF1_21	CCF1_20	12.000	204.761	0.011	540,105.884	13,013.275	162,650.819	Free Surface	4.014	0.311	0.210	0.311	0.382	1.492	2,574,854.316	No	0.311	4.014
48		CCF1_22A-CCF1_22B	CCF1_22A	CCF1_22B	10.000	369.202	0.014	269,400.673	5,719.678	71,500.293	Free Surface	3.692	0.260	0.148	0.217	0.281	1.656	1,814,859.742	No	0.217	3.692
49		CCF1_22B-CCF1_22C	CCF1_22B	CCF1_22C	10.000	151.596	0.014	269,400.673	5,719.678	71,500.293	Free Surface	3.685	0.261	0.149	0.217	0.281	1.652	1,810,337.033	No	0.217	3.685
50		CCF1_22C-CCF1_19B2	CCF1_22C	CCF1_19B2	10.000	289.466	0.013	440,380.202	10,219.676	127,750.992	Free Surface	4.171	0.340	0.249	0.283	0.363	1.616	1,771,578.311	No	0.283	

FULL BUILDOUT W/ I/I - PIPE TABLE

		ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (gpd)	Unpeakable Flow (gpd)	Peakable Flow (gpd)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth (ft)	Critical Depth (ft)	Froude Number	Full Flow (gpd)	Backwater Adjustment	Adjusted Depth (ft)	Adjusted Velocity (ft/s)
65		CHF1A_23-CHF1A_24	CHF1A_23	CHF1A_24	18.000	434.970	0.023	1,685,789.987	50,073.101	625,921.684	Free Surface	7.082	0.262	0.150	0.392	0.612	2.361	11,248,363.236	Yes	0.393	7.062
66		CHF1A_24-CHF1A_25	CHF1A_24	CHF1A_25	18.000	292.440	0.010	1,685,789.987	50,073.101	625,921.684	Free Surface	5.289	0.323	0.225	0.484	0.612	1.572	7,481,584.554	No	0.484	5.289
67		CHF1A_25-CHF1A_A1A	CHF1A_25	CHF1A_A1A	18.000	123.397	0.007	1,685,789.987	50,073.101	625,921.684	Free Surface	4.653	0.354	0.269	0.532	0.612	1.312	6,262,836.979	Yes	0.533	4.637
68		CHF1A_A1A-TOE_2586	CHF1A_A1A	TOE_2586	18.000	158.077	0.007	1,685,789.987	50,073.101	625,921.684	Free Surface	4.622	0.356	0.272	0.534	0.612	1.300	6,207,300.817	No	0.534	4.622
69		CHF1A_C1-CHF1A_22	CHF1A_C1	CHF1A_22	18.000	101.324	0.058	1,517,559.701	44,213.743	552,671.792	Free Surface	9.491	0.198	0.085	0.296	0.580	3.676	17,749,713.432	Yes	0.329	8.180
70		CHF1B_12-CHF1B_20	CHF1B_12	CHF1B_20	18.000	340.960	0.027	1,517,559.701	44,213.743	552,671.792	Free Surface	7.281	0.238	0.124	0.357	0.580	2.554	12,205,355.972	No	0.357	7.281
71		CHF1B_14A-CHF1B_17	CHF1B_14A	CHF1B_17	18.000	122.228	0.017	1,464,016.590	42,373.424	529,672.121	Free Surface	6.114	0.263	0.151	0.394	0.569	2.034	9,689,124.841	No	0.394	6.114
72		CHF1B_15A-CHF1B_14A	CHF1B_15A	CHF1B_14A	18.000	195.015	0.001	1,464,016.590	42,373.424	529,672.121	Free Surface	2.407	0.526	0.544	0.788	0.569	0.535	2,692,660.183	No	0.788	2.407
73		CHF1B_15A-CHF3A_15B	CHF3A_15B	CHF1B_15A	18.000	180.259	0.003	1,464,016.590	42,373.424	529,672.121	Free Surface	3.114	0.430	0.385	0.646	0.569	0.784	3,805,405.449	No	0.646	3.114
74		CHF1B_17-CHF1B_18	CHF1B_17	CHF1B_18	18.000	330.000	0.006	1,464,016.590	42,373.424	529,672.121	Free Surface	4.298	0.339	0.247	0.508	0.569	1.243	5,924,634.458	No	0.508	4.298
75		CHF1B_18-CHF1B_12	CHF1B_18	CHF1B_12	18.000	400.000	0.033	1,517,559.701	44,213.743	552,671.792	Free Surface	7.773	0.227	0.113	0.341	0.580	2.795	13,386,173.134	No	0.341	7.773
76		CHF1B_20-TOE_2585	CHF1B_20	TOE_2585	18.000	392.558	0.025	1,517,559.701	44,213.743	552,671.792	Free Surface	7.026	0.244	0.131	0.366	0.580	2.432	11,610,027.069	No	0.366	7.026
77		CHF3A_15-CHF3A_15B	CHF3A_15	CHF3A_15B	18.000	180.044	0.003	1,464,016.590	42,373.424	529,672.121	Free Surface	3.139	0.428	0.381	0.642	0.569	0.793	3,847,134.378	No	0.642	3.139
78		CHF3C_8-CHF3C_9	CHF3C_8	CHF3C_9	18.000	288.213	0.005	1,395,420.811	40,033.425	500,421.412	Free Surface	3.757	0.361	0.279	0.541	0.555	1.048	5,009,536.836	No	0.541	3.757
79		CHF3C_9-TOE_2580	CHF3C_9	TOE_2580	18.000	339.237	0.004	1,395,420.811	40,033.425	500,421.412	Free Surface	3.570	0.375	0.299	0.562	0.555	0.975	4,669,246.805	No	0.562	3.570
80		CMF2_22G-CFF1_22F1	CMF2_22G	CFF1_22F1	10.000	50.170	0.028	0.000	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	2,587,708.428	No	0.000	0.000
81		CMF2_32-CFF1_22A	CMF2_32	CFF1_22A	10.000	151.294	0.009	269,400.673	5,719.678	71,500.293	Free Surface	3.150	0.292	0.185	0.243	0.281	1.328	1,452,948.058	No	0.243	3.150
82		CMF2_33-CMF2_32	CMF2_33	CMF2_32	10.000	127.250	0.004	269,400.673	5,719.678	71,500.293	Free Surface	2.458	0.349	0.262	0.291	0.281	0.938	1,029,443.086	No	0.291	2.458
83		CMF2_34-CMF2_33	CMF2_34	CMF2_33	10.000	31.066	0.004	269,400.673	5,719.678	71,500.293	Free Surface	2.399	0.355	0.271	0.296	0.281	0.906	995,000.873	No	0.296	2.399
84		CMF2_35-CMF2_34	CMF2_35	CMF2_34	10.000	109.503	0.005	269,400.673	5,719.678	71,500.293	Free Surface	2.562	0.339	0.247	0.282	0.281	0.994	1,090,089.794	No	0.282	2.562
85		CMF2_36-CMF2_35	CMF2_36	CMF2_35	10.000	215.403	0.013	269,400.673	5,719.678	71,500.293	Free Surface	3.589	0.266	0.154	0.221	0.281	1.592	1,744,243.654	No	0.221	3.589
86		CMF2_37-CMF2_36	CMF2_37	CMF2_36	10.000	95.722	0.012	269,400.673	5,719.678	71,500.293	Free Surface	3.503	0.270	0.160	0.225	0.281	1.540	1,685,918.996	No	0.225	3.503
87		CMF2_38-CMF2_37	CMF2_38	CMF2_37	10.000	36.580	0.010	269,400.673	5,719.678	71,500.293	Free Surface	3.262	0.284	0.177	0.237	0.281	1.394	1,525,893.681	No	0.237	3.262
88		CMF2_39A-CMF2_39	CMF2_39A	CMF2_39	10.000	94.496	0.004	269,400.673	5,719.678	71,500.293	Free Surface	2.364	0.359	0.276	0.299	0.281	0.887	975,390.304	No	0.299	2.364
89		CMF2_39B-CMF2_39A	CMF2_39B	CMF2_39A	10.000	156.532	0.019	269,400.673	5,719.678	71,500.293	Free Surface	4.087	0.242	0.129	0.202	0.281	1.906	2,093,583.694	No	0.202	4.087
90		CMF2_39C-CMF2_39B	CMF2_39C	CMF2_39B	10.000	127.599	0.004	269,400.673	5,719.678	71,500.293	Free Surface	2.342	0.362	0.280	0.301	0.281	0.876	962,841.442	No	0.301	2.342
91		CMF2_39-CMF2_38	CMF2_39	CMF2_38	10.000	65.228	0.009	269,400.673	5,719.678	71,500.293	Free Surface	3.165	0.291	0.184	0.242	0.281	1.337	1,462,862.125	No	0.242	3.165
92		CMF2_39D-CMF2_39C	CMF2_39D	CMF2_39C	10.000	138.889	0.004	269,400.673	5,719.678	71,500.293	Free Surface	2.351	0.361	0.278	0.301	0.281	0.880	967,923.923	No	0.301	2.351
93		COMPF1_10.1-TOE_2941	COMPF1_101	TOE_2941	12.000	179.590	0.005	449,090.255	10,460.156	130,749.071	Free Surface	2.900	0.344	0.255	0.344	0.348	1.018	1,760,761.108	No	0.344	2.900
94		CSF1_C2A-TOE_2804	CSF1_C2A	TOE_2804	18.000	237.022	0.003	1,104,689.959	30,359.509	379,477.297	Free Surface	3.028	0.356	0.272	0.534	0.492	0.851	4,064,442.599	No	0.534	3.028
95		CSF1_C2C-CSF1_C2A	CSF1_C2C	CSF1_C2A	18.000	14.583	0.010	1,104,689.959	30,359.509	379,477.297	Free Surface	4.575	0.264	0.153	0.396	0.492	1.517	7,225,549.849	No	0.396	4.575
96		CSF1_C3A-CSF1_C3B	CSF1_C3A	CSF1_C3B	18.000	198.534	0.004	995,266.653	26,832.950	335,401.794	Free Surface	3.181	0.318	0.220	0.478	0.466	0.953	4,532,537.708	No	0.478	3.181
97		CSF1_C3B-CSF1_C4B	CSF1_C3B	CSF1_C4B	18.000	414.773	0.003	995,266.653	26,832.950	335,401.794	Free Surface	2.933	0.338	0.246	0.507	0.466	0.850	4,048,353.344	No	0.507	2.933
98		CSF1_C4B-CSF1_C5B	CSF1_C4B	CSF1_C5B	18.000	412.389	0.004	995,266.653	26,832.950	335,401.794	Free Surface	3.248	0.314	0.213	0.470	0.466	0.981	4,664,630.000	No	0.470	3.248
99		CSF1_C5B-CSF1_C6C	CSF1_C5B	CSF1_C6C	18.000	180.189	0.005	995,266.653	26,832.950	335,401.794	Free Surface	3.445	0.301	0.197	0.451	0.466	1.065	5,064,930.575	No	0.451	3.445
100		CSF1_C6C-CSF1_C2C	CSF1_C6C	CSF1_C2C	18.000	228.964	0.003	1,104,689.959	30,359.509	379,477.297	Free Surface	2.971	0.361	0.279	0.542	0.492	0.829	3,959,290.219	No	0.542	2.971
101		ECF1_100-ECF1_102	ECF1_100	ECF1_102	30.000	179.634	0.003	4,264,460.013	150,137.223	1,876,718.173	Free Surface	3.956	0.373	0.296	0.932	0.851	0.839	14,412,685.329	Yes	0.943	3.891
102		ECF1_102-ECF1_26	ECF1_102	ECF1_26	30.000	332.132	0.002	4,264,460.013	150,137.223	1,876,718.173	Free Surface	3.828	0.382	0.310	0.955	0.851	0.801	13,774,775.041	No	0.955	3.828
103		ECF1_108-ECF1_28	ECF1_108	ECF1_28	30.000	298.395	0.010	4,471,103.390	158,777.220	1,984,718.133	Free Surface	6.575	0.267	0.156	0.667	0.872	1.680	28,680,223.705	No	0.667	6.575
104		ECF1_118-ECF1_119	ECF1_118	ECF1_119	12.000	374.069	0.006	911,770.441	24,189.111	302,350.926	Free Surface	3.666	0.492	0.487	0.492	0.503	1.042	1,874,045.649	No	0.492	3.666
105		ECF1_119-TOE_2594	ECF1_119	TOE_2594	12.000	347.709	0.005	911,770.441	24,189.111	302,350.926	Free Surface	3.520	0.508	0.514	0.508	0.503	0.980	1,774,422.234	No	0.508	3.520
106		ECF1_2271-TOE_2655	ECF1_2271	TOE_2655	30.000	283.188	0.002	4,553,060.285	162,224.579	2,027,815.876	Free Surface	3.645	0.416	0.362	1.040	0.880	0.725	12,574,544.023	Yes	1.453	2.381
107		ECF1_24-ECF1_44	ECF1_24	ECF1_44	30.000	449.061	0.001	4,150,821.398	145,416.905	1,817,718.516	Free Surface	2.806	0.474	0.455	1.184	0.839	0.516	9,115,619.517	No	1.184	2.806
108		ECF1_25-ECF1_100	ECF1_25	ECF1_100	30.000	447.757	0.002	4,264,460.013	150,137.223	1,876,718.173	Free Surface	3.591	0.401	0.338	1.002	0.851	0.731	12,620,046.817	No	1.002	3.591
109		ECF1_26-ECF1_27	ECF1_26	ECF1_27	30.000	362.156	0.004	4,264,460.013	150,137.223	1,876,718.173	Free Surface	4.675	0.330	0.235	0.824	0.851	1.063	18,167,932.414	No	0.824	4.675
110		ECF1_27-ECF1_108	ECF1_27	ECF1_108	30.000	375.444	0.011	4,264,460.013	150,137.223	1,876,718.173	Free Surface	6.676	0.255	0.143	0.638	0.851	1.747	29,871,083.103	No	0.638	6.676
111		ECF1_28-ECF1_29	ECF1_28	ECF1_29	30.000	303.392	0.010	4,471,103.390	158,777.220	1,984,718.133	Free Surface	6.644	0.265	0.154	0.662	0.872	1.704	29,107,942.782	No	0.662	6.644
112		ECF1_29-ECF1_2271	ECF1_29	ECF1_2271	30.000	201.480	0.007	4,471,103.390	158,777.220	1,984,718.133	Free Surface	5.789	0.292	0.186	0.731	0.872	1.407	24,003,856.458	Yes	0.875	4.521
113		ECF1_44-ECF1_97	ECF1_44	ECF1_97	30.000	343.305	0.001	4,264,460.013	150,137.223	1,876,718.173	Free Surface	2.844	0.479	0.464	1.196	0.851	0.520	9,194,468.376</			

FULL BUILDOUT W/ I/I - PIPE TABLE

		ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (gpd)	Unpeakable Flow (gpd)	Peakable Flow (gpd)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth (ft)	Critical Depth (ft)	Froude Number	Full Flow (gpd)	Backwater Adjustment	Adjusted Depth (ft)	Adjusted Velocity (ft/s)
129		ECF3_217-ECF3_218	ECF3_217	ECF3_218	18.000	469.731	0.002	1,459,861.334	42,233.744	527,889.401	Free Surface	2.988	0.443	0.405	0.665	0.568	0.739	3,600,918.864	No	0.665	2.988
130		ECF3_218-TOE_2746	ECF3_218	TOE_2746	18.000	297.552	0.003	1,459,861.334	42,233.744	527,889.401	Free Surface	3.401	0.402	0.340	0.603	0.568	0.892	4,296,433.228	No	0.603	3.401
131		ECF4_133-ECF4_134	ECF4_133	ECF4_134	12.000	398.994	0.006	1,308,957.871	37,113.106	463,904.465	Free Surface	3.965	0.619	0.705	0.619	0.607	0.963	1,857,266.033	Yes	0.969	2.603
132		ECF4_134-ECF4_135	ECF4_134	ECF4_135	12.000	300.951	0.002	1,308,957.871	37,113.106	463,904.465	Pressurized	2.579	1.000	1.271	1.000	0.536	0.454	1,029,635.546	No	1.000	2.579
133		ECF4_135-TOE_2662	ECF4_135	TOE_2662	15.000	88.785	0.002	1,628,909.646	48,080.142	600,990.974	Free Surface	2.859	0.675	0.798	0.844	0.636	0.581	2,041,934.441	No	0.844	2.859
134		ECF5_204-ECF5_205	ECF5_204	ECF5_205	18.000	92.979	0.010	1,328,325.158	37,766.866	472,062.062	Free Surface	4.890	0.288	0.186	0.431	0.541	1.549	7,367,341.389	No	0.431	4.890
135		ECF5_205-ECF5_208	ECF5_205	ECF5_208	18.000	243.553	0.010	1,328,325.158	37,766.866	472,062.062	Free Surface	4.891	0.287	0.180	0.431	0.541	1.549	7,369,094.379	Yes	0.431	4.887
136		ECF5_208-ECF5_209	ECF5_208	ECF5_209	18.000	59.397	0.010	1,328,325.158	37,766.866	472,062.062	Free Surface	4.882	0.288	0.181	0.432	0.541	1.545	7,349,732.797	Yes	0.495	4.047
137		ECF5_209-ECF5_213	ECF5_209	ECF5_213	18.000	204.830	0.003	1,328,325.158	37,766.866	472,062.062	Free Surface	3.064	0.405	0.344	0.607	0.541	0.800	3,855,901.750	No	0.607	3.064
138		ECF5_213-ECF5_214	ECF5_213	ECF5_214	18.000	189.500	0.003	1,328,325.158	37,766.866	472,062.062	Free Surface	3.068	0.404	0.344	0.607	0.541	0.802	3,863,009.650	No	0.607	3.068
139		ECF5_214-ECF5_215	ECF5_214	ECF5_215	18.000	373.761	0.004	1,459,861.334	42,233.744	527,889.401	Free Surface	3.451	0.397	0.333	0.596	0.568	0.911	4,382,464.774	No	0.596	3.451
140		ECF5_215-ECF5_216	ECF5_215	ECF5_216	18.000	501.110	0.013	1,459,861.334	42,233.744	527,889.401	Free Surface	5.502	0.283	0.174	0.424	0.568	1.759	8,366,467.435	No	0.424	5.502
141		ECF5_216-ECF3_217	ECF5_216	ECF3_217	18.000	465.922	0.013	1,459,861.334	42,233.744	527,889.401	Free Surface	5.509	0.282	0.174	0.424	0.568	1.762	8,382,439.078	Yes	0.519	4.160
142		EHF1_2-EHF4_1	EHF1_2	EHF4_1	8.000	72.518	0.003	171,490.918	3,460.319	43,250.384	Free Surface	1.846	0.430	0.385	0.287	0.238	0.697	445,508.194	No	0.287	1.846
143		EHF1_3-EHF1_2	EHF1_3	EHF1_2	8.000	209.536	0.005	171,490.918	3,460.319	43,250.384	Free Surface	2.255	0.371	0.293	0.247	0.238	0.930	586,049.477	No	0.247	2.255
144		EHF1_4-EHF1_3	EHF1_4	EHF1_3	8.000	264.573	0.005	171,490.918	3,460.319	43,250.384	Free Surface	2.279	0.368	0.288	0.245	0.238	0.944	594,651.505	No	0.245	2.279
145		EHF1_5-EHF1_4	EHF1_5	EHF1_4	8.000	72.008	0.021	171,490.918	3,460.319	43,250.384	Free Surface	3.827	0.253	0.140	0.169	0.238	1.950	1,224,387.430	No	0.169	3.827
146		EHF1_6-EHF1_5	EHF1_6	EHF1_5	8.000	83.531	0.041	171,490.918	3,460.319	43,250.384	Free Surface	4.854	0.214	0.100	0.143	0.238	2.705	1,711,509.151	No	0.143	4.854
147		EHF1_7-EHF1_6	EHF1_7	EHF1_6	8.000	219.245	0.035	171,490.918	3,460.319	43,250.384	Free Surface	4.585	0.223	0.109	0.148	0.238	2.502	1,579,448.808	No	0.148	4.585
148		EHF1_8-EHF1_7	EHF1_8	EHF1_7	8.000	271.700	0.021	171,490.918	3,460.319	43,250.384	Free Surface	3.836	0.252	0.140	0.168	0.238	1.956	1,228,729.304	No	0.168	3.836
149		EHF10_11-EHF9_10	EHF10_11	EHF9_10	8.000	256.644	0.014	144,403.146	2,879.999	35,999.986	Free Surface	3.132	0.258	0.146	0.172	0.218	1.579	990,677.374	No	0.172	3.132
150		EHF10_12-EHF10_11	EHF10_12	EHF10_11	8.000	104.212	0.007	144,403.146	2,879.999	35,999.986	Free Surface	2.407	0.312	0.211	0.208	0.218	1.094	685,264.637	No	0.208	2.407
151		EHF10_13-EHF10_12	EHF10_13	EHF10_12	8.000	148.178	0.013	144,403.146	2,879.999	35,999.986	Free Surface	3.076	0.261	0.150	0.174	0.218	1.539	965,656.503	No	0.174	3.076
152		EHF10_14-EHF10_13	EHF10_14	EHF10_13	8.000	185.568	0.005	144,403.146	2,879.999	35,999.986	Free Surface	2.222	0.330	0.235	0.220	0.218	0.978	613,334.939	No	0.220	2.222
153		EHF10_15-EHF10_14	EHF10_15	EHF10_14	8.000	179.349	0.005	144,403.146	2,879.999	35,999.986	Free Surface	2.207	0.332	0.238	0.221	0.218	0.969	607,587.024	No	0.221	2.207
154		EHF10_16-EHF10_15	EHF10_16	EHF10_15	8.000	191.512	0.005	144,403.146	2,879.999	35,999.986	Free Surface	2.213	0.331	0.237	0.221	0.218	0.973	609,934.416	No	0.221	2.213
155		EHF10_17-EHF10_16	EHF10_17	EHF10_16	8.000	99.824	0.004	144,403.146	2,879.999	35,999.986	Free Surface	2.055	0.350	0.262	0.233	0.218	0.876	550,262.793	No	0.233	2.055
156		EHF10_18-EHF10_17	EHF10_18	EHF10_17	8.000	48.315	0.005	144,403.146	2,879.999	35,999.986	Free Surface	2.149	0.338	0.247	0.226	0.218	0.933	585,310.116	No	0.226	2.149
157		EHF11_146-EHF11_147	EHF11_146	EHF11_147	8.000	149.540	0.005	144,403.146	2,879.999	35,999.986	Free Surface	2.189	0.334	0.240	0.223	0.218	0.958	600,780.117	No	0.223	2.189
158		EHF11_147-EHF11_148	EHF11_147	EHF11_148	8.000	258.010	0.007	144,403.146	2,879.999	35,999.986	Free Surface	2.470	0.306	0.203	0.204	0.218	1.134	710,533.609	No	0.204	2.470
159		EHF11_148-EHF9_19	EHF11_148	EHF9_19	8.000	162.000	0.008	144,403.146	2,879.999	35,999.986	Free Surface	2.599	0.295	0.189	0.197	0.218	1.218	762,854.562	No	0.197	2.599
160		EHF3_10-EHF3_9	EHF3_10	EHF3_9	8.000	275.063	0.040	171,490.918	3,460.319	43,250.384	Free Surface	4.839	0.214	0.101	0.143	0.238	2.694	1,704,154.670	No	0.143	4.839
161		EHF3_11-EHF3_10	EHF3_11	EHF3_10	8.000	280.011	0.036	171,490.918	3,460.319	43,250.384	Free Surface	4.634	0.221	0.107	0.147	0.238	2.538	1,603,157.020	No	0.147	4.634
162		EHF3_12-EHF3_11	EHF3_12	EHF3_11	8.000	280.647	0.010	171,490.918	3,460.319	43,250.384	Free Surface	2.979	0.302	0.199	0.202	0.238	1.377	862,347.690	No	0.202	2.979
163		EHF3_42-EHF3_12	EHF3_42	EHF3_12	8.000	143.448	0.005	171,490.918	3,460.319	43,250.384	Free Surface	2.274	0.368	0.289	0.246	0.238	0.941	592,605.092	No	0.246	2.274
164		EHF3_9-EHF1_8	EHF3_9	EHF1_8	8.000	281.524	0.016	171,490.918	3,460.319	43,250.384	Free Surface	3.482	0.270	0.160	0.180	0.238	1.711	1,072,536.676	No	0.180	3.482
165		EHF4_1-TOE_2592	EHF4_1	TOE_2592	8.000	38.176	0.025	171,490.918	3,460.319	43,250.384	Free Surface	4.077	0.242	0.128	0.161	0.238	2.128	1,338,228.266	No	0.161	4.077
166		EHF7_1-EHF3_42	EHF7_1	EHF3_42	8.000	167.606	0.006	171,490.918	3,460.319	43,250.384	Free Surface	2.382	0.356	0.271	0.237	0.238	1.005	631,917.381	No	0.237	2.382
167		EHF7_6-EHF7_1	EHF7_6	EHF7_1	8.000	274.487	0.005	171,490.918	3,460.319	43,250.384	Free Surface	2.351	0.359	0.276	0.240	0.238	0.987	620,813.832	No	0.240	2.351
168		EHF9_10-EHF9_9	EHF9_10	EHF9_9	8.000	50.865	0.010	144,403.146	2,879.999	35,999.986	Free Surface	2.807	0.279	0.170	0.186	0.218	1.356	849,449.276	No	0.186	2.807
169		EHF9_19-EHF10_18	EHF9_19	EHF10_18	8.000	262.829	0.006	144,403.146	2,879.999	35,999.986	Free Surface	2.310	0.321	0.223	0.214	0.218	1.033	647,250.479	No	0.214	2.310
170		EHF9_1-GVF1_0	EHF9_1	GVF1_0	8.000	246.107	0.042	144,403.146	2,879.999	35,999.986	Free Surface	4.648	0.195	0.084	0.130	0.218	2.716	1,728,730.317	Yes	0.667	0.640
171		EHF9_2-EHF9_1	EHF9_2	EHF9_1	8.000	361.561	0.048	144,403.146	2,879.999	35,999.986	Free Surface	4.884	0.189	0.078	0.126	0.218	2.907	1,854,576.605	No	0.126	4.884
172		EHF9_3-EHF9_2	EHF9_3	EHF9_2	8.000	186.841	0.050	144,403.146	2,879.999	35,999.986	Free Surface	4.970	0.186	0.076	0.124	0.218	2.977	1,900,766.814	No	0.124	4.970
173		EHF9_4-EHF9_3	EHF9_4	EHF9_3	8.000	155.145	0.049	144,403.146	2,879.999	35,999.986	Free Surface	4.920	0.188	0.077	0.125	0.218	2.936	1,873,883.793	No	0.125	4.920
174		EHF9_5-EHF9_4	EHF9_5	EHF9_4	8.000	242.340	0.049	144,403.146	2,879.999	35,999.986	Free Surface	4.940	0.187	0.077	0.125	0.218	2.952	1,884,590.663	No	0.125	4.940
175		EHF9_6-EHF9_5	EHF9_6	EHF9_5	8.000	124.073	0.009	144,403.146	2,879.999	35,999.986	Free Surface	2.729	0.285	0.177	0.190	0.218	1.304	816,722.607	No	0.190	2.729
176		EHF9_7-EHF9_6	EHF9_7	EHF9_6	8.000	189.952	0.034	144,403.146	2,879.999	35,999.986	Free Surface	4.315	0.206	0.093	0.137	0.218	2.453	1,555,938.102	No	0.137	4.315
177		EHF9_8-EHF9_7	EHF9_8	EHF9_7	8.000	131.348	0.012	144,403.146	2,879.999	35,999.986	Free Surface	3.036	0.264	0.152	0.176	0.218	1.512	947,924.207	No	0.176	3.036
178		EHF9_9-EHF9_8	EHF9_9	EHF9_8	8.000	126.463	0.013	144,403.146	2,879.999	35,999.986	Free Surface	3.043	0.263	0.152	0.176						

FULL BUILDOUT W/ I/I - PIPE TABLE

		ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (gpd)	Unpeakable Flow (gpd)	Peakable Flow (gpd)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth (ft)	Critical Depth (ft)	Froude Number	Full Flow (gpd)	Backwater Adjustment	Adjusted Depth (ft)	Adjusted Velocity (ft/s)
193		EVF2_5-EVF2_4A	EVF2_5	EVF2_4A	12.000	187.149	0.002	185,499.555	3,759.839	47,000.142	Free Surface	1.714	0.266	0.155	0.266	0.220	0.694	1,198,908.685	No	0.266	1.714
194		EVF2_6A-EVF2_5	EVF2_6A	EVF2_5	12.000	46.711	0.004	185,499.555	3,759.839	47,000.142	Free Surface	2.019	0.237	0.123	0.237	0.220	0.870	1,508,900.022	No	0.237	2.019
195		EVF2_6-EVF2_5A	EVF2_6	EVF2_5A	10.000	220.000	0.003	185,499.555	3,759.839	47,000.142	Free Surface	1.841	0.328	0.233	0.274	0.232	0.727	796,540.917	No	0.274	1.841
196		EVF2_7-EVF2_6A	EVF2_7	EVF2_6A	12.000	46.512	0.002	185,499.555	3,759.839	47,000.142	Free Surface	1.674	0.270	0.160	0.270	0.220	0.671	1,159,743.687	No	0.270	1.674
197		EVF2_8-EVF2_7	EVF2_8	EVF2_7	12.000	65.379	0.003	185,499.555	3,759.839	47,000.142	Free Surface	1.828	0.254	0.141	0.254	0.220	0.758	1,312,395.588	No	0.254	1.828
198		EVF3_47-EVF3_48	EVF3_47	EVF3_48	21.000	497.618	0.001	2,081,721.867	64,274.376	803,440.497	Free Surface	2.362	0.553	0.590	0.967	0.652	0.470	3,526,083.241	No	0.967	2.362
199		EVF3_48-EVF1A2_1	EVF3_48	EVF1A2_1	21.000	317.062	0.001	2,081,721.867	64,274.376	803,440.497	Free Surface	2.394	0.547	0.580	0.957	0.652	0.480	3,588,728.736	No	0.957	2.394
200		EVF4_46-EVF3_47	EVF4_46	EVF3_47	21.000	505.900	0.001	2,081,721.867	64,274.376	803,440.497	Free Surface	2.382	0.549	0.584	0.960	0.652	0.477	3,566,357.378	Yes	0.964	2.372
201		FMF4_4_4-TOE_2970	FMF4_4_4	TOE_2970	12.000	395.686	0.004	441,439.646	10,249.916	128,115.312	Free Surface	2.619	0.366	0.287	0.366	0.344	0.887	1,539,983.914	No	0.366	2.619
202		FMF6_1-FMF6_4_6	FMF6_1	FMF6_4_6	8.000	115.487	0.068	296,858.843	6,409.438	80,115.810	Free Surface	6.819	0.248	0.134	0.165	0.317	3.513	2,207,498.480	No	0.165	6.819
203		FMF6_2-FMF6_1	FMF6_2	FMF6_1	8.000	150.000	0.012	296,858.843	6,409.438	80,115.810	Free Surface	3.648	0.390	0.321	0.260	0.317	1.461	924,118.990	No	0.260	3.648
204		FMF6_4_6-TOE_2973	FMF6_4_6	TOE_2973	12.000	142.272	0.004	441,439.646	10,249.916	128,115.312	Free Surface	2.722	0.356	0.272	0.356	0.344	0.937	1,624,287.031	No	0.356	2.722
205		FMF7_3-FMF6_2	FMF7_3	FMF6_2	8.000	270.000	0.009	296,858.843	6,409.438	80,115.810	Free Surface	3.356	0.415	0.360	0.277	0.317	1.296	824,426.197	No	0.277	3.356
206		FMF7_4-FMF7_3	FMF7_4	FMF7_3	8.000	430.000	0.009	296,858.843	6,409.438	80,115.810	Free Surface	3.313	0.419	0.367	0.279	0.317	1.272	809,976.682	No	0.279	3.313
207		FMF7_5-FMF7_4	FMF7_5	FMF7_4	8.000	352.996	0.010	296,858.843	6,409.438	80,115.810	Free Surface	3.405	0.410	0.353	0.274	0.317	1.323	841,091.527	No	0.274	3.405
208		FMF8_10-FMF8_9	FMF8_10	FMF8_9	8.000	91.023	0.005	296,858.843	6,409.438	80,115.810	Free Surface	2.550	0.513	0.521	0.342	0.317	0.864	569,349.967	No	0.342	2.550
209		FMF8_11-FMF8_10	FMF8_11	FMF8_10	8.000	71.269	0.004	296,858.843	6,409.438	80,115.810	Free Surface	2.547	0.513	0.522	0.342	0.317	0.863	568,446.303	No	0.342	2.547
210		FMF8_1-FMF8_6	FMF8_1	FMF8_6	8.000	90.764	0.066	296,858.843	6,409.438	80,115.810	Free Surface	6.769	0.249	0.136	0.166	0.317	3.478	2,184,769.012	No	0.166	6.769
211		FMF8_2-FMF8_1	FMF8_2	FMF8_1	8.000	74.020	0.011	296,858.843	6,409.438	80,115.810	Free Surface	3.509	0.401	0.339	0.267	0.317	1.382	876,399.929	No	0.267	3.509
212		FMF8_3-FMF8_2	FMF8_3	FMF8_2	8.000	130.706	0.012	296,858.843	6,409.438	80,115.810	Free Surface	3.612	0.393	0.326	0.262	0.317	1.441	911,811.000	No	0.262	3.612
213		FMF8_4-FMF8_3	FMF8_4	FMF8_3	8.000	103.656	0.009	296,858.843	6,409.438	80,115.810	Free Surface	3.345	0.416	0.362	0.277	0.317	1.289	820,637.465	No	0.277	3.345
214		FMF8_6-FMF7_5	FMF8_6	FMF7_5	8.000	160.553	0.017	296,858.843	6,409.438	80,115.810	Free Surface	4.189	0.352	0.265	0.235	0.317	1.779	1,118,294.434	No	0.235	4.189
215		FMF8_8-FMF8_4	FMF8_8	FMF8_4	8.000	206.870	0.017	296,858.843	6,409.438	80,115.810	Free Surface	4.136	0.355	0.270	0.237	0.317	1.747	1,098,701.288	No	0.237	4.136
216		FMF8_9-FMF8_8	FMF8_9	FMF8_8	8.000	200.000	0.005	296,858.843	6,409.438	80,115.810	Free Surface	2.662	0.496	0.492	0.330	0.317	0.922	602,849.761	No	0.330	2.662
217		FMF9_10-FMF9_11	FMF9_10	FMF9_11	8.000	279.830	0.012	139,232.949	2,769.119	34,616.147	Free Surface	2.953	0.262	0.150	0.175	0.214	1.475	925,419.375	No	0.175	2.953
218		FMF9_11-FMF9_12	FMF9_11	FMF9_12	8.000	252.130	0.007	139,232.949	2,769.119	34,616.147	Free Surface	2.485	0.297	0.192	0.198	0.214	1.160	726,669.964	No	0.198	2.485
219		FMF9_12-FMF9_13	FMF9_12	FMF9_13	8.000	39.140	0.007	139,232.949	2,769.119	34,616.147	Free Surface	2.493	0.296	0.191	0.197	0.214	1.166	730,217.431	No	0.197	2.493
220		FMF9_13-FMF9_3	FMF9_13	FMF9_3	8.000	54.240	0.008	139,232.949	2,769.119	34,616.147	Free Surface	2.596	0.287	0.180	0.192	0.214	1.234	772,698.419	No	0.192	2.596
221		FMF9_15-FMF9_23	FMF9_15	FMF9_23	8.000	49.960	0.007	139,232.949	2,769.119	34,616.147	Free Surface	2.418	0.302	0.199	0.202	0.214	1.117	699,828.864	No	0.202	2.418
222		FMF9_1-TOE_2710	FMF9_1	TOE_2710	10.000	71.040	0.008	688,345.896	17,340.473	216,750.158	Free Surface	3.856	0.505	0.509	0.421	0.459	1.180	1,353,395.699	Yes	0.545	2.820
223		FMF9_22-FMF9_9	FMF9_22	FMF9_9	8.000	371.380	0.004	139,232.949	2,769.119	34,616.147	Free Surface	1.960	0.352	0.266	0.235	0.214	0.832	522,713.730	No	0.235	1.960
224		FMF9_23-FMF9_35	FMF9_23	FMF9_35	8.000	44.080	0.007	139,232.949	2,769.119	34,616.147	Free Surface	2.475	0.297	0.193	0.198	0.214	1.154	722,799.434	No	0.198	2.475
225		FMF9_35-FMF9_22	FMF9_35	FMF9_22	8.000	118.160	0.006	139,232.949	2,769.119	34,616.147	Free Surface	2.265	0.317	0.218	0.211	0.214	1.019	638,801.265	No	0.211	2.265
226		FMF9_3-FMF8_11	FMF9_3	FMF8_11	8.000	240.000	0.005	139,232.949	2,769.119	34,616.147	Free Surface	2.158	0.328	0.233	0.219	0.214	0.953	597,353.575	No	0.219	2.158
227		FMF9_9-FMF9_10	FMF9_9	FMF9_10	8.000	281.570	0.008	139,232.949	2,769.119	34,616.147	Free Surface	2.557	0.291	0.184	0.194	0.214	1.208	756,648.937	No	0.194	2.557
228		GVF1_0-GVF1_36	GVF1_0	GVF1_36	8.000	204.942	0.055	215,385.419	4,400.638	54,999.339	Free Surface	5.778	0.222	0.108	0.148	0.268	3.156	1,992,874.077	No	0.148	5.778
229		GVF1_100-GVF1_101	GVF1_100	GVF1_101	8.000	115.699	0.022	496,034.920	11,760.476	147,000.905	Free Surface	5.250	0.436	0.394	0.291	0.414	1.968	1,259,413.660	No	0.291	5.250
230		GVF1_101-GVF1_102	GVF1_101	GVF1_102	8.000	335.002	0.013	496,034.920	11,760.476	147,000.905	Free Surface	4.252	0.513	0.523	0.342	0.414	1.440	948,739.808	No	0.342	4.252
231		GVF1_102-GVF1_103	GVF1_102	GVF1_103	8.000	55.341	0.012	496,034.920	11,760.476	147,000.905	Free Surface	4.129	0.526	0.544	0.350	0.414	1.377	912,285.351	No	0.350	4.129
232		GVF1_103-GVF1_104	GVF1_103	GVF1_104	8.000	52.260	0.008	496,034.920	11,760.476	147,000.905	Free Surface	3.657	0.580	0.637	0.387	0.414	1.141	778,406.631	No	0.387	3.657
233		GVF1_104-GVF1_105	GVF1_104	GVF1_105	8.000	145.575	0.026	496,034.920	11,760.476	147,000.905	Free Surface	5.549	0.418	0.365	0.279	0.414	2.132	1,357,921.256	No	0.279	5.549
234		GVF1_105-GVF1_106	GVF1_105	GVF1_106	8.000	69.468	0.037	496,034.920	11,760.476	147,000.905	Free Surface	6.363	0.377	0.303	0.252	0.414	2.596	1,638,025.872	No	0.252	6.363
235		GVF1_106-GVF1_107	GVF1_106	GVF1_107	8.000	40.229	0.030	496,034.920	11,760.476	147,000.905	Free Surface	5.849	0.402	0.340	0.268	0.414	2.300	1,459,030.051	No	0.268	5.849
236		GVF1_107-GVF1_108	GVF1_107	GVF1_108	8.000	130.785	0.039	496,034.920	11,760.476	147,000.905	Free Surface	6.495	0.372	0.294	0.248	0.414	2.673	1,685,040.195	No	0.248	6.495
237		GVF1_108-GVF1_109	GVF1_108	GVF1_109	8.000	99.765	0.020	496,034.920	11,760.476	147,000.905	Free Surface	5.107	0.445	0.409	0.297	0.414	1.890	1,213,079.383	No	0.297	5.107
238		GVF1_109-GVF1_111	GVF1_109	GVF1_111	8.000	210.244	0.098	496,034.920	11,760.476	147,000.905	Free Surface	9.003	0.293	0.187	0.195	0.414	4.233	2,650,918.354	No	0.195	9.003
239		GVF1_111-GVF1_113	GVF1_111	GVF1_113	8.000	223.339	0.017	496,034.920	11,760.476	147,000.905	Free Surface	4.719	0.473	0.455	0.315	0.414	1.683	1,090,421.306	No	0.315	4.719
240		GVF1_113-GVF1_114	GVF1_113	GVF1_114	8.000	39.937	0.009	496,034.920	11,760.476	147,000.905	Free Surface	3.794	0.563	0.607	0.375	0.414	1.209	816,534.936	No	0.375	3.794
241		GVF1_114-GVF1_115	GVF1_114	GVF1_115	8.000	72.568	0.010	496,034.920	11,760.476	147,000.905	Free Surface	3.915	0.548	0.583	0.366	0.414	1.270	850,846.058	No	0.366	3.915
242		GVF1_115-GVF1_116	GVF1_115	GVF1_116	8.000	41.819	0.012	496,034.920	11,760.476	147,000.905	Free Surface	4.243	0.514	0.524	0.343	0.414	1.435	945,977.845	No	0.343	4.243
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FULL BUILDOUT W/ I/I - PIPE TABLE

		ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (gpd)	Unpeakable Flow (gpd)	Peakable Flow (gpd)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth (ft)	Critical Depth (ft)	Froude Number	Full Flow (gpd)	Backwater Adjustment	Adjusted Depth (ft)	Adjusted Velocity (ft/s)
257		GVF1_59-GVF1_60	GVF1_59	GVF1_60	10.000	183.929	0.005	341,665.428	7,568.637	94,599.324	Free Surface	2.699	0.388	0.319	0.324	0.318	0.969	1,069,948.622	No	0.324	2.699
258		GVF1_60-GVF1_61	GVF1_60	GVF1_61	12.000	184.669	0.003	341,665.428	7,568.637	94,599.324	Free Surface	2.113	0.355	0.271	0.355	0.302	0.728	1,261,822.207	No	0.355	2.113
259		GVF1_61-GVF1_78	GVF1_61	GVF1_78	12.000	63.774	0.005	341,665.428	7,568.637	94,599.324	Free Surface	2.635	0.303	0.199	0.303	0.302	0.994	1,715,481.944	No	0.303	2.635
260		GVF1_78-GVF1_80	GVF1_78	GVF1_80	12.000	209.783	0.002	341,665.428	7,568.637	94,599.324	Free Surface	1.953	0.377	0.302	0.377	0.302	0.651	1,132,388.242	No	0.377	1.953
261		GVF1_80-GVF1_90	GVF1_80	GVF1_90	12.000	224.665	0.002	341,665.428	7,568.637	94,599.324	Free Surface	1.983	0.373	0.296	0.373	0.302	0.665	1,156,110.201	No	0.373	1.983
262		GVF1_90-GVF1_91	GVF1_90	GVF1_91	12.000	52.638	0.002	341,665.428	7,568.637	94,599.324	Free Surface	2.090	0.358	0.275	0.358	0.302	0.717	1,242,996.882	No	0.358	2.090
263		GVF1_91-GVF1_116	GVF1_91	GVF1_116	12.000	200.994	0.018	341,665.428	7,568.637	94,599.324	Free Surface	4.225	0.216	0.103	0.216	0.302	1.910	3,328,739.672	No	0.216	4.225
264		GVF1_95-GVF1_96	GVF1_95	GVF1_96	8.000	76.100	0.018	496,034.920	11,760.476	147,000.905	Free Surface	4.898	0.460	0.433	0.307	0.414	1.778	1,146,508.437	No	0.307	4.898
265		GVF1_96-GVF1_97	GVF1_96	GVF1_97	8.000	154.304	0.030	496,034.920	11,760.476	147,000.905	Free Surface	5.888	0.400	0.337	0.267	0.414	2.323	1,472,658.535	No	0.267	5.888
266		GVF1_97-GVF1_98	GVF1_97	GVF1_98	8.000	114.319	0.033	496,034.920	11,760.476	147,000.905	Free Surface	6.056	0.392	0.324	0.261	0.414	2.418	1,530,300.191	No	0.261	6.056
267		GVF1_98-GVF1_99	GVF1_98	GVF1_99	8.000	92.578	0.048	496,034.920	11,760.476	147,000.905	Free Surface	6.960	0.353	0.268	0.236	0.414	2.949	1,853,624.894	No	0.236	6.960
268		GVF1_99-GVF1_100	GVF1_99	GVF1_100	8.000	81.192	0.048	496,034.920	11,760.476	147,000.905	Free Surface	6.949	0.354	0.268	0.236	0.414	2.942	1,849,699.823	No	0.236	6.949
269		HWY52_10-HWY52_11	HWY52_10	HWY52_11	24.000	846.399	0.004	8,065,105.788	318,872.040	3,985,945.859	Free Surface	5.408	0.689	0.820	1.377	1.270	0.854	9,841,403.736	No	1.377	5.408
270		HWY52_11-HWY52_12	HWY52_11	HWY52_12	24.000	1,011.369	0.004	8,267,214.367	328,334.276	4,104,231.735	Free Surface	5.440	0.701	0.838	1.401	1.286	0.846	9,862,350.656	Yes	1.605	4.732
271		HWY52_12-TOE_2904	HWY52_12	TOE_2904	36.000	2,039.210	0.001	8,267,214.367	328,334.276	4,104,231.735	Free Surface	2.694	0.637	0.734	1.910	1.137	0.370	11,264,072.713	Yes	2.407	2.104
272		HWY52_1-HWY52_2	HWY52_1	HWY52_2	24.000	1,163.227	0.004	5,871,820.499	219,137.677	2,739,246.169	Free Surface	5.095	0.553	0.591	1.106	1.076	0.948	9,932,906.547	No	1.106	5.095
273		HWY52_2-HWY52_3	HWY52_2	HWY52_3	24.000	395.061	0.005	5,871,820.499	219,137.677	2,739,246.169	Free Surface	5.577	0.515	0.525	1.029	1.076	1.089	11,186,622.998	No	1.029	5.577
274		HWY52_3-HWY52_4	HWY52_3	HWY52_4	24.000	1,124.165	0.005	5,871,820.499	219,137.677	2,739,246.169	Free Surface	5.659	0.509	0.515	1.017	1.076	1.113	11,407,795.711	No	1.017	5.659
275		HWY52_4-HWY52_5	HWY52_4	HWY52_5	24.000	2,511.550	0.004	5,871,820.499	219,137.677	2,739,246.169	Free Surface	5.103	0.552	0.590	1.105	1.076	0.950	9,951,084.187	No	1.105	5.103
276		HWY52_5-HWY52_6	HWY52_5	HWY52_6	24.000	331.960	0.030	7,775,695.767	305,396.525	3,817,496.163	Free Surface	11.605	0.365	0.284	0.730	1.246	2.787	27,357,606.246	Yes	0.935	8.346
277		HWY52_6-HWY52_7	HWY52_6	HWY52_7	24.000	1,494.240	0.005	7,775,695.767	305,396.525	3,817,496.163	Free Surface	5.874	0.620	0.707	1.241	1.246	1.008	11,001,508.941	No	1.241	5.874
278		HWY52_7-HWY52_8	HWY52_7	HWY52_8	24.000	982.740	0.005	7,775,695.767	305,396.525	3,817,496.163	Free Surface	5.877	0.620	0.706	1.240	1.246	1.009	11,006,634.371	No	1.240	5.877
279		HWY52_8-HWY52_9	HWY52_8	HWY52_9	24.000	1,745.531	0.012	8,040,841.418	317,738.760	3,971,779.144	Free Surface	8.367	0.479	0.465	0.958	1.268	1.709	17,307,674.328	Yes	1.125	6.838
280		HWY52_9-HWY52_10	HWY52_9	HWY52_10	24.000	691.522	0.004	8,040,841.418	317,738.760	3,971,779.144	Free Surface	5.332	0.696	0.830	1.391	1.268	0.835	9,682,028.669	No	1.391	5.332
281		I25_10-I25_11	I25_10	I25_11	18.000	688.030	0.001	1,945,731.935	59,336.618	741,710.601	Free Surface	2.467	0.652	0.760	0.978	0.660	0.471	2,561,321.452	No	0.978	2.467
282		I25_11-I25_12	I25_11	I25_12	18.000	964.920	0.001	1,945,731.935	59,336.618	741,710.601	Free Surface	2.539	0.636	0.733	0.954	0.660	0.494	2,654,227.110	No	0.954	2.539
283		I25_12-I25_13	I25_12	I25_13	18.000	199.510	0.001	1,945,731.935	59,336.618	741,710.601	Free Surface	2.465	0.653	0.761	0.979	0.660	0.470	2,557,714.201	No	0.979	2.465
284		I25_13-I25_14	I25_13	I25_14	18.000	265.210	0.001	1,945,731.935	59,336.618	741,710.601	Free Surface	2.436	0.659	0.772	0.989	0.660	0.460	2,521,242.547	Yes	1.030	2.327
285		I25_14-I25_15	I25_14	I25_15	18.000	250.010	0.001	2,436,637.470	77,437.411	967,976.276	Free Surface	2.546	0.781	0.954	1.172	0.742	0.411	2,554,527.990	No	1.172	2.546
286		I25_15-I25_16	I25_15	I25_16	18.000	1,021.150	0.001	2,436,637.470	77,437.411	967,976.276	Free Surface	2.550	0.780	0.952	1.169	0.742	0.412	2,559,390.262	No	1.169	2.550
287		I25_16-I25_17	I25_16	I25_17	18.000	1,355.770	0.001	2,436,637.470	77,437.411	967,976.276	Free Surface	2.541	0.783	0.956	1.174	0.742	0.409	2,549,137.288	No	1.174	2.541
288		I25_17-I25_18	I25_17	I25_18	18.000	1,210.030	0.028	2,782,514.430	90,606.206	1,132,584.054	Free Surface	8.719	0.323	0.226	0.484	0.795	2.590	12,328,705.003	No	0.484	8.719
289		I25_18-I25_19	I25_18	I25_19	18.000	615.110	0.023	2,782,514.430	90,606.206	1,132,584.054	Free Surface	8.160	0.339	0.247	0.508	0.795	2.359	11,243,987.478	Yes	0.663	5.712
290		I25_19-I25_20	I25_19	I25_20	18.000	350.670	0.005	3,427,538.237	115,950.196	1,449,385.374	Free Surface	4.678	0.612	0.692	0.918	0.887	0.936	4,950,031.529	No	0.918	4.678
291		I25_1-I25_2	I25_1	I25_2	8.000	2,762.520	0.010	229,621.442	4,721.758	59,018.378	Free Surface	3.206	0.355	0.269	0.236	0.277	1.356	852,383.725	Yes	0.259	2.827
292		I25_20-I25_21	I25_20	I25_21	18.000	1,017.010	0.004	3,427,538.237	115,950.196	1,449,385.374	Free Surface	4.674	0.613	0.693	0.919	0.887	0.935	4,943,382.511	No	0.919	4.674
293		I25_21-I25_22	I25_21	I25_22	18.000	880.208	0.008	3,427,538.237	115,950.196	1,449,385.374	Free Surface	5.745	0.518	0.530	0.776	0.887	1.290	6,467,408.972	No	0.776	5.745
294		I25_22-I25_23	I25_22	I25_23	18.000	1,472.501	0.018	3,427,538.237	115,950.196	1,449,385.374	Free Surface	7.813	0.408	0.350	0.613	0.887	2.030	9,789,705.498	Yes	0.697	6.590
295		I25_23-I25_24	I25_23	I25_24	18.000	1,028.875	0.007	4,095,879.211	143,143.146	1,789,301.566	Free Surface	5.864	0.588	0.651	0.882	0.973	1.208	6,287,793.609	Yes	0.911	5.645
296		I25_24-I25_25	I25_24	I25_25	24.000	898.605	0.001	4,095,879.211	143,143.146	1,789,301.566	Free Surface	2.960	0.645	0.747	1.289	0.891	0.493	5,480,374.998	No	1.289	2.960
297		I25_25-I25_26	I25_25	I25_26	24.000	876.779	0.001	4,095,879.211	143,143.146	1,789,301.566	Free Surface	2.967	0.643	0.745	1.287	0.891	0.495	5,496,072.039	No	1.287	2.967
298		I25_26-I25_27	I25_26	I25_27	24.000	1,011.620	0.003	4,370,744.010	154,570.982	1,932,146.632	Free Surface	4.329	0.498	0.496	0.996	0.922	0.863	8,805,912.290	Yes	1.028	4.156
299		I25_27-I25_28	I25_27	I25_28	24.000	817.040	0.002	4,370,744.010	154,570.982	1,932,146.632	Free Surface	3.577	0.580	0.638	1.161	0.922	0.644	6,850,195.904	No	1.161	3.577
300		I25_28-I25_29	I25_28	I25_29	24.000	690.810	0.001	4,370,744.010	154,570.982	1,932,146.632	Free Surface	3.242	0.630	0.723	1.260	0.922	0.550	6,042,595.868	No	1.260	3.242
301		I25_29-I25_30	I25_29	I25_30	24.000	2,626.620	0.007	4,645,185.603	166,112.577	2,076,414.418	Free Surface	5.994	0.406	0.347	0.813	0.952	1.352	13,386,284.582	Yes	1.023	4.445
302		I25_2-I25_3	I25_2	I25_3	8.000	354.910	0.025	881,379.722	23,232.951	290,414.771	Free Surface	6.380	0.589	0.652	0.392	0.550	1.970	10,350,907.908	Yes	0.439	5.599
303		I25_30-I25_31	I25_30	I25_31	24.000	1,812.250	0.002	4,867,270.153	175,543.134	2,194,299.974	Free Surface	3.385	0.667	0.784	1.333	0.975	0.549	6,209,171.960	No	1.333	3.385
304		I25_31-I25_32	I25_31	I25_32	24.000	395.150	0.002	4,867,270.153	175,543.134	2,194,299.974	Free Surface	3.398	0.664	0.780	1.329	0.975	0.553	6,240,031.494	No	1.329	3.398
305		I25_32-I25_33	I25_32	I25_33	24.000	346.170	0.002	4,867,270.153	175,543.134	2,194,299.974	Free Surface	3.387	0.666	0.783	1.333	0.975	0.550	6,21			

FULL BUILDOUT W/ I/I - PIPE TABLE

		ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (gpd)	Unpeakable Flow (gpd)	Peakable Flow (gpd)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth (ft)	Critical Depth (ft)	Froude Number	Full Flow (gpd)	Backwater Adjustment	Adjusted Depth (ft)	Adjusted Velocity (ft/s)
321		KEF1_2-KEF1_1	KEF1_2	KEF1_1	12.000	128.808	0.002	422,221.341	9,719.996	121,499.954	Free Surface	1.966	0.440	0.399	0.440	0.337	0.599	1,056,910.315	No	0.440	1.966
322		KEF1_3A-KEF1_4	KEF1_3A	KEF1_4	12.000	265.620	0.002	0.000	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,138,143.873	No	0.000	0.000
323		KEF1_3-KEF1_2	KEF1_3	KEF1_2	12.000	39.537	0.003	422,221.341	9,719.996	121,499.954	Free Surface	2.457	0.372	0.294	0.372	0.337	0.826	1,434,221.176	Yes	0.406	2.186
324		KEF1_4-KEF1_5	KEF1_4	KEF1_5	12.000	97.079	0.002	0.000	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,046,665.307	No	0.000	0.000
325		KEF1_5-KEF1_6	KEF1_5	KEF1_6	12.000	126.044	0.002	0.000	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,134,362.985	No	0.000	0.000
326		KEF1_6-KEF1_7	KEF1_6	KEF1_7	12.000	300.782	0.003	0.000	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,281,839.995	No	0.000	0.000
327		KEF1_7-KEF1_8	KEF1_7	KEF1_8	12.000	129.689	0.001	0.000	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	850,629.580	No	0.000	0.000
328		KEF1_80-KEF1_81	KEF1_80	KEF1_81	12.000	67.889	0.003	439,652.210	10,199.516	127,500.432	Free Surface	2.249	0.409	0.351	0.409	0.344	0.715	1,251,614.374	No	0.409	2.249
329		KEF1_81-KEF1_82	KEF1_81	KEF1_82	12.000	250.893	0.002	439,652.210	10,199.516	127,500.432	Free Surface	2.212	0.414	0.359	0.414	0.344	0.698	1,223,144.117	No	0.414	2.212
330		KEF1_82-KEF1_83	KEF1_82	KEF1_83	12.000	254.412	0.002	439,652.210	10,199.516	127,500.432	Free Surface	2.027	0.443	0.405	0.443	0.344	0.615	1,086,419.681	No	0.443	2.027
331		KEF1_83-TOE_2859	KEF1_83	TOE_2859	12.000	374.323	0.006	439,652.210	10,199.516	127,500.432	Free Surface	3.172	0.318	0.219	0.318	0.344	1.165	2,011,085.908	No	0.318	3.172
332		KEF1_8-KEF1_9	KEF1_8	KEF1_9	12.000	250.713	0.002	0.000	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,203,016.022	No	0.000	0.000
333		KEF1_9-KEF1_10	KEF1_9	KEF1_10	12.000	123.304	0.003	0.000	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,388,512.128	Yes	0.024	0.000
334		KFF1_10-KFF1_9	KFF1_10	KFF1_9	12.000	223.577	0.002	230,360.489	4,740.478	59,250.218	Free Surface	1.572	0.331	0.236	0.331	0.246	0.564	975,375.446	No	0.331	1.572
335		KFF1_11-KFF1_10	KFF1_11	KFF1_10	12.000	287.986	0.001	0.000	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	896,523.512	Yes	0.130	0.000
336		KFF1_14-KFF1_11	KFF1_14	KFF1_11	12.000	334.039	0.001	0.000	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	957,955.485	No	0.000	0.000
337		KFF1_15-KFF1_14	KFF1_15	KFF1_14	12.000	345.637	0.002	0.000	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,084,657.167	No	0.000	0.000
338		KFF1_16-KFF1_15	KFF1_16	KFF1_15	12.000	234.800	0.002	0.000	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,243,115.538	No	0.000	0.000
339		KFF1_9-KEF1_3	KFF1_9	KEF1_3	12.000	283.847	0.002	230,360.489	4,740.478	59,250.218	Free Surface	1.704	0.312	0.211	0.312	0.246	0.632	1,090,939.541	No	0.312	1.704
340		LCFA_10-LCFA_9	LCFA_10	LCFA_9	8.000	313.750	0.007	190,276.794	3,862.079	48,278.862	Free Surface	2.728	0.348	0.260	0.232	0.251	1.166	732,621.515	No	0.232	2.728
341		LCFA_11-LCFA_10	LCFA_11	LCFA_10	8.000	349.730	0.007	190,276.794	3,862.079	48,278.862	Free Surface	2.732	0.347	0.259	0.232	0.251	1.169	734,256.516	No	0.232	2.732
342		LCFA_12-LCFA_11	LCFA_12	LCFA_11	8.000	136.970	0.006	190,276.794	3,862.079	48,278.862	Free Surface	2.486	0.372	0.295	0.248	0.251	1.022	644,264.831	No	0.248	2.486
343		LCFA_13-LCFA_12	LCFA_13	LCFA_12	8.000	127.450	0.008	190,276.794	3,862.079	48,278.862	Free Surface	2.837	0.338	0.246	0.225	0.251	1.233	773,653.723	No	0.225	2.837
344		LCFA_14-LCFA_13	LCFA_14	LCFA_13	8.000	231.150	0.007	190,276.794	3,862.079	48,278.862	Free Surface	2.613	0.359	0.276	0.239	0.251	1.097	690,180.006	No	0.239	2.613
345		LCFA_15-LCFA_14	LCFA_15	LCFA_14	8.000	166.040	0.007	190,276.794	3,862.079	48,278.862	Free Surface	2.639	0.356	0.272	0.238	0.251	1.113	699,836.302	No	0.238	2.639
346		LCFA_16-LCFA_15	LCFA_16	LCFA_15	8.000	153.370	0.010	190,276.794	3,862.079	48,278.862	Free Surface	3.008	0.324	0.227	0.216	0.251	1.338	838,955.698	No	0.216	3.008
347		LCFA_17-LCFA_16	LCFA_17	LCFA_16	8.000	253.950	0.034	190,276.794	3,862.079	48,278.862	Free Surface	4.689	0.236	0.122	0.157	0.251	2.481	1,562,036.128	No	0.157	4.689
348		LCFA_1-EVF1A1_52	LCFA_1	EVF1A1_52	21.000	283.048	0.002	2,273,968.243	71,356.293	891,970.224	Free Surface	3.366	0.448	0.414	0.785	0.683	0.766	5,492,249.176	Yes	0.923	2.735
349		LCFA_3-LCFA_1	LCFA_3	LCFA_1	8.000	197.180	0.029	323,321.952	7,081.917	88,529.727	Free Surface	5.131	0.323	0.226	0.215	0.331	2.286	1,433,080.656	Yes	0.500	1.781
350		LCFA_4-LCFA_3	LCFA_4	LCFA_3	8.000	231.800	0.004	323,321.952	7,081.917	88,529.727	Free Surface	2.428	0.571	0.622	0.381	0.331	0.766	519,716.515	No	0.381	2.428
351		LCFA_5-LCFA_4	LCFA_5	LCFA_4	8.000	301.080	0.004	323,321.952	7,081.917	88,529.727	Free Surface	2.485	0.560	0.604	0.374	0.331	0.794	535,566.343	No	0.374	2.485
352		LCFA_6-LCFA_5	LCFA_6	LCFA_5	8.000	162.080	0.005	290,208.864	6,242.398	78,029.251	Free Surface	2.648	0.489	0.481	0.326	0.313	0.925	603,400.714	No	0.326	2.648
353		LCFA_7-LCFA_6	LCFA_7	LCFA_6	8.000	116.630	0.007	290,208.864	6,242.398	78,029.251	Free Surface	2.966	0.448	0.413	0.299	0.313	1.094	702,592.425	No	0.299	2.966
354		LCFA_8-LCFA_7	LCFA_8	LCFA_7	8.000	97.600	0.007	190,276.794	3,862.079	48,278.862	Free Surface	2.619	0.358	0.275	0.239	0.251	1.100	692,301.666	No	0.239	2.619
355		LCFA_9-LCFA_8	LCFA_9	LCFA_8	8.000	78.140	0.006	190,276.794	3,862.079	48,278.862	Free Surface	2.464	0.375	0.299	0.250	0.251	1.009	636,580.370	No	0.250	2.464
356		LCFB_1-LCFA_7	LCFB_1	LCFA_7	8.000	119.310	0.004	121,054.937	2,380.319	29,750.389	Free Surface	1.967	0.317	0.218	0.212	0.199	0.885	554,638.832	No	0.212	1.967
357		LCFB_2-LCFB_1	LCFB_2	LCFB_1	8.000	129.900	0.006	121,054.937	2,380.319	29,750.389	Free Surface	2.262	0.287	0.180	0.191	0.199	1.076	674,009.407	No	0.191	2.262
358		LCFB_3-LCFB_2	LCFB_3	LCFB_2	8.000	219.450	0.007	121,054.937	2,380.319	29,750.389	Free Surface	2.350	0.279	0.170	0.186	0.199	1.134	710,650.679	No	0.186	2.350
359		LCFB_4-LCFB_3	LCFB_4	LCFB_3	8.000	93.380	0.008	121,054.937	2,380.319	29,750.389	Free Surface	2.454	0.271	0.160	0.180	0.199	1.205	755,183.569	No	0.180	2.454
360		NMS_10-NMS_9	NMS_10	NMS_9	10.000	29.440	0.040	525,599.802	12,599.995	157,499.941	Free Surface	6.520	0.280	0.171	0.233	0.399	2.814	3,079,396.698	No	0.233	6.520
361		NMS_11-NMS_10	NMS_11	NMS_10	10.000	400.000	0.010	525,599.802	12,599.995	157,499.941	Free Surface	3.951	0.403	0.342	0.336	0.399	1.388	1,538,131.757	No	0.336	3.951
362		NMS_12-NMS_11	NMS_12	NMS_11	10.000	400.000	0.008	525,599.802	12,599.995	157,499.941	Free Surface	3.641	0.429	0.382	0.357	0.399	1.233	1,375,746.867	No	0.357	3.641
363		NMS_13-NMS_12	NMS_13	NMS_12	10.000	400.000	0.008	525,599.802	12,599.995	157,499.941	Free Surface	3.641	0.429	0.382	0.357	0.399	1.233	1,375,746.867	No	0.357	3.641
364		NMS_14-NMS_13	NMS_14	NMS_13	10.000	89.260	0.009	525,599.802	12,599.995	157,499.941	Free Surface	3.796	0.415	0.361	0.346	0.399	1.310	1,456,163.333	No	0.346	3.796
365		NMS_15-NMS_14	NMS_15	NMS_14	10.000	119.200	0.010	525,599.802	12,599.995	157,499.941	Free Surface	3.961	0.402	0.341	0.335	0.399	1.393	1,543,284.642	No	0.335	3.961
366		NMS_16-NMS_15	NMS_16	NMS_15	10.000	374.790	0.007	525,599.802	12,599.995	157,499.941	Free Surface	3.465	0.445	0.409	0.371	0.399	1.147	1,286,022.298	No	0.371	3.465
367		NMS_17-NMS_16	NMS_17	NMS_16	10.000	332.270	0.020	525,599.802	12,599.995	157,499.941	Free Surface	5.082	0.335	0.242	0.279	0.399	1.986	2,175,999.523	No	0.279	5.082
368		NMS_18-NMS_17	NMS_18	NMS_17	10.000	332.270	0.033	525,599.802	12,599.995	157,499.941	Free Surface	6.081	0.294	0.188	0.245	0.399	2.553	2,793,529.425	No	0.245	6.081
369		NMS_19-NMS_18	NMS_19	NMS_18	10.000	104.120	0.030	525,599.802	12,599.995	157,499.941	Free Surface	5.876	0.301	0.197	0.251	0.399	2.434	2,662,586.687	No	0.251	5.876
370		NMS_1-FMF9_1	NMS_1	FMF9_1	10.000	114.510	0.060	525,599.802	12,599.995	157,499.941	Free Surface	7.528	0.252	0.140	0.210	0.399	3.434	3,767,473.447	No	0.210	7.528
371		NMS_20-NMS_19	NMS_20	NMS_19	10.000	98.110	0.010	525,599.802	12,599.995	157,499.941	Free Surface	3.949	0.403	0.342	0.336	0.399	1.387	1,537,269.246	No	0.336	3.949
372		NMS_2-NMS_1	NMS_2	NMS_1	10.000	87.230	0.040	525,599.802	12,599.995	157,499.941											

FULL BUILDOUT W/ I/I - PIPE TABLE

	ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (gpd)	Unpeakable Flow (gpd)	Peakable Flow (gpd)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth (ft)	Critical Depth (ft)	Froude Number	Full Flow (gpd)	Backwater Adjustment	Adjusted Depth (ft)	Adjusted Velocity (ft/s)
385	OGF1_3-OGF1_4	OGF1_3	OGF1_4	10.000	302.094	0.018	0.000	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	2,048,825.511	No	0.000	0.000
386	OGF1_4-OGF1_5	OGF1_4	OGF1_5	10.000	93.410	0.011	0.000	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,583,489.455	No	0.000	0.000
387	OGF1_5-OGF1_17	OGF1_5	OGF1_17	10.000	49.146	0.013	0.000	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,741,483.745	No	0.000	0.000
388	OGF1_69-OGF1_70	OGF1_69	OGF1_70	10.000	90.809	0.005	243,587.423	5,073.118	63,400.296	Free Surface	2.459	0.324	0.228	0.270	0.267	0.978	1,070,666.651	No	0.270	2.459
389	OGF1_70-OGF1_71	OGF1_70	OGF1_71	10.000	96.964	0.005	243,587.423	5,073.118	63,400.296	Free Surface	2.421	0.328	0.232	0.273	0.267	0.957	1,047,841.622	No	0.273	2.421
390	OGF1_71-OGF1_72	OGF1_71	OGF1_72	10.000	93.080	0.002	243,587.423	5,073.118	63,400.296	Free Surface	1.607	0.445	0.408	0.371	0.267	0.532	596,524.643	No	0.371	1.607
391	OGF1_72-OGF1_73	OGF1_72	OGF1_73	10.000	85.671	0.009	243,587.423	5,073.118	63,400.296	Free Surface	3.054	0.277	0.168	0.231	0.267	1.324	1,448,715.520	Yes	0.254	2.681
392	OGF1_73-OGF1_74	OGF1_73	OGF1_74	10.000	191.425	0.004	243,587.423	5,073.118	63,400.296	Free Surface	2.383	0.332	0.238	0.277	0.267	0.935	1,024,951.498	No	0.277	2.383
393	OGF1_74-OGF1_75	OGF1_74	OGF1_75	10.000	100.813	0.009	243,587.423	5,073.118	63,400.296	Free Surface	3.061	0.277	0.168	0.231	0.267	1.328	1,453,305.584	Yes	0.244	2.837
394	OGF1_75-TOE_2622	OGF1_75	TOE_2622	10.000	194.676	0.006	243,587.423	5,073.118	63,400.296	Free Surface	2.640	0.308	0.206	0.257	0.267	1.080	1,182,188.388	No	0.257	2.640
395	OGF2_29-OGF2_31	OGF2_29	OGF2_31	8.000	229.146	0.011	58,141.418	1,140.480	14,250.235	Free Surface	2.216	0.174	0.066	0.116	0.136	1.377	884,315.641	No	0.116	2.216
396	OGF2_31-OGF2_32	OGF2_31	OGF2_32	8.000	236.759	0.022	58,141.418	1,140.480	14,250.235	Free Surface	2.843	0.146	0.046	0.097	0.136	1.933	1,260,843.418	No	0.097	2.843
397	OGF2_32-OGF2_33	OGF2_32	OGF2_33	8.000	236.902	0.020	58,141.418	1,140.480	14,250.235	Free Surface	2.758	0.149	0.048	0.100	0.136	1.855	1,207,535.197	No	0.100	2.758
398	OGF2_33-OGF2_34	OGF2_33	OGF2_34	8.000	190.439	0.009	58,141.418	1,140.480	14,250.235	Free Surface	2.072	0.182	0.072	0.121	0.136	1.257	803,865.810	No	0.121	2.072
399	OGF2_34-OGF2_46	OGF2_34	OGF2_46	8.000	282.567	0.009	58,141.418	1,140.480	14,250.235	Free Surface	2.075	0.182	0.072	0.121	0.136	1.260	805,885.247	No	0.121	2.075
400	OGF2_46-OGF2_49	OGF2_46	OGF2_49	8.000	124.327	0.015	58,141.418	1,140.480	14,250.235	Free Surface	2.465	0.161	0.056	0.108	0.136	1.593	1,029,214.197	No	0.108	2.465
401	OGF2_49-OGF2_50	OGF2_49	OGF2_50	8.000	119.294	0.011	58,141.418	1,140.480	14,250.235	Free Surface	2.194	0.175	0.067	0.117	0.136	1.359	871,847.331	No	0.117	2.194
402	OGF2_50-OGF2_65	OGF2_50	OGF2_65	8.000	185.079	0.002	58,141.418	1,140.480	14,250.235	Free Surface	1.273	0.256	0.144	0.171	0.136	0.644	404,119.324	Yes	0.218	0.908
403	OGF2_65-OGF2_68	OGF2_65	OGF2_68	10.000	168.652	0.003	243,587.423	5,073.118	63,400.296	Free Surface	1.998	0.378	0.303	0.315	0.267	0.729	803,297.351	No	0.315	1.998
404	OGF2_68-OGF1_69	OGF2_68	OGF1_69	10.000	289.307	0.010	243,587.423	5,073.118	63,400.296	Free Surface	3.171	0.270	0.160	0.225	0.267	1.394	1,526,638.745	Yes	0.248	2.775
405	OTF1_101-OTF1_102	OTF1_101	OTF1_102	12.000	360.260	0.003	0.000	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,263,957.034	No	0.000	0.000
406	OTF1_102-OTF1_103	OTF1_102	OTF1_103	12.000	415.146	0.001	0.000	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	776,382.060	Yes	0.280	0.000
407	OTF1_103-TOE_2798	OTF1_103	TOE_2798	12.000	319.000	0.007	533,097.683	12,813.115	160,162.500	Free Surface	3.509	0.340	0.248	0.340	0.380	1.241	2,146,766.242	Yes	0.352	3.341
408	OTF1_108-TOE_3005	OTF1_108	TOE_3005	16.000	25.799	0.261	712,349.879	18,056.153	225,696.875	Free Surface	13.048	0.111	0.026	0.148	0.406	7.238	27,512,267.951	Yes	0.453	2.635
409	OTF1_30-OTF1_37	OTF1_30	OTF1_37	8.000	188.540	0.004	0.000	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	505,707.818	No	0.000	0.000
410	OTF1_37-OTF1_43	OTF1_37	OTF1_43	8.000	385.010	0.004	0.000	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	567,011.375	Yes	0.160	0.000
411	OTF1_43-OTF1_44	OTF1_43	OTF1_44	8.000	466.022	0.004	246,573.487	5,146.558	64,337.736	Free Surface	2.302	0.480	0.466	0.320	0.287	0.814	528,688.388	Yes	0.325	2.255
412	OTF1_44-OTF1_65	OTF1_44	OTF1_65	8.000	469.331	0.003	246,573.487	5,146.558	64,337.736	Free Surface	2.209	0.496	0.493	0.331	0.287	0.765	499,939.787	No	0.331	2.209
413	OTF1_46-OTF1_47	OTF1_46	OTF1_47	10.000	453.820	0.000	0.000	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	144,404.768	No	0.000	0.000
414	OTF1_47-OTF1_48	OTF1_47	OTF1_48	10.000	474.640	0.004	0.000	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	978,277.047	No	0.000	0.000
415	OTF1_48-OTF1_62	OTF1_48	OTF1_62	10.000	436.432	0.003	0.000	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	842,696.068	Yes	0.108	0.000
416	OTF1_60A-OTF1_61A	OTF1_60A	OTF1_61A	24.000	31.746	0.004	2,370,386.200	74,951.972	936,914.047	Free Surface	3.965	0.336	0.243	0.671	0.671	0.998	9,764,428.122	No	0.671	3.965
417	OTF1_61A-TOE_2825	OTF1_61A	TOE_2825	24.000	191.263	0.005	2,370,386.200	74,951.972	936,914.047	Free Surface	4.238	0.320	0.221	0.639	0.671	1.097	10,711,431.840	No	0.639	4.238
418	OTF1_62-OTF1_64	OTF1_62	OTF1_64	10.000	483.405	0.003	114,238.037	2,240.639	27,999.349	Free Surface	1.575	0.259	0.147	0.216	0.181	0.708	775,872.865	No	0.216	1.575
419	OTF1_64-OTF1_82	OTF1_64	OTF1_82	10.000	469.703	0.003	114,238.037	2,240.639	27,999.349	Free Surface	1.631	0.253	0.140	0.211	0.181	0.743	815,396.316	Yes	0.212	1.615
420	OTF1_65-OTF1_80	OTF1_65	OTF1_80	8.000	484.534	0.004	246,573.487	5,146.558	64,337.736	Free Surface	2.368	0.470	0.449	0.313	0.287	0.848	549,097.814	Yes	0.314	2.357
421	OTF1_80-OTF1_96	OTF1_80	OTF1_96	8.000	428.652	0.004	246,573.487	5,146.558	64,337.736	Free Surface	2.346	0.473	0.455	0.315	0.287	0.836	542,038.596	No	0.315	2.346
422	OTF1_82-OTF1_87	OTF1_82	OTF1_87	10.000	444.471	0.003	114,238.037	2,240.639	27,999.349	Free Surface	1.598	0.257	0.144	0.214	0.181	0.723	792,524.443	Yes	0.214	1.328
423	OTF1_87-OTF1_96	OTF1_87	OTF1_96	10.000	387.699	0.003	196,147.234	3,988.798	49,849.901	Free Surface	1.940	0.329	0.234	0.274	0.239	0.765	837,713.068	No	0.274	1.940
424	OTF1_88-OTF1_89	OTF1_88	OTF1_89	8.000	321.471	0.015	68,135.014	1,336.319	16,699.674	Free Surface	2.618	0.173	0.065	0.115	0.148	1.632	1,048,414.908	Yes	0.667	0.302
425	OTF1_89-OTF1_90	OTF1_89	OTF1_90	8.000	329.236	-0.007	68,135.014	1,336.319	16,699.674	Pressurized	0.302	1.000		0.667	0.000	0.065		No	0.667	0.302
426	OTF1_90-OTF1_92	OTF1_90	OTF1_92	8.000	164.601	0.004	68,135.014	1,336.319	16,699.674	Free Surface	1.666	0.237	0.123	0.158	0.148	0.879	553,217.651	No	0.158	1.666
427	OTF1_92-OTF1_93	OTF1_92	OTF1_93	8.000	20.322	0.005	68,135.014	1,336.319	16,699.674	Free Surface	1.754	0.228	0.114	0.152	0.148	0.944	595,084.768	No	0.152	1.754
428	OTF1_93-OTF1_94	OTF1_93	OTF1_94	8.000	373.404	0.008	68,135.014	1,336.319	16,699.674	Free Surface	2.070	0.203	0.091	0.136	0.148	1.184	751,463.852	No	0.136	2.070
429	OTF1_94-OTF1_95	OTF1_94	OTF1_95	8.000	179.276	0.023	68,135.014	1,336.319	16,699.674	Free Surface	3.009	0.157	0.053	0.105	0.148	1.973	1,278,202.011	Yes	0.186	1.323
430	OTF1_95-OTF1_96	OTF1_95	OTF1_96	8.000	386.157	0.004	181,669.053	3,677.759	45,974.863	Free Surface	2.146	0.401	0.339	0.268	0.245	0.845	535,724.847	No	0.268	2.146
431	OTF1_96-OTF1_97	OTF1_96	OTF1_97	12.000	9.000	0.033	533,097.683	12,813.115	160,162.500	Free Surface	6.018	0.231	0.117	0.231	0.380	2.629	4,566,521.855	No	0.231	6.018
432	OTF1_97-OTF1_98	OTF1_97	OTF1_98	12.000	180.000	0.006	533,097.683	12,813.115	160,162.500	Free Surface	3.191	0.364	0.283	0.364	0.380	1.085	1,882,825.195	No	0.364	3.191
433	OTF1_98-OTF1_103	OTF1_98	OTF1_103	12.000	300.000	0.007	533,097.683	12,813.115	160,162.500	Free Surface	3.509	0.340	0.248	0.340	0.380	1.241	2,146,751.017	No	0.340	3.509
434	RMF1_114-RMF1_118	RMF1_114	RMF1_118	12.000	321.098	0.027	727,517.711	18,509.753	231,369.033	Free Surface	6.118	0.284	0.177	0.284	0.447	2.388	4,121,788.264	No	0.284	6.118
435	RMF1_118-AIF1_119	RMF1_118	AIF1_119	12.000	371.334	0.005	727,517.711	18,509.753	231,369.033	Free Surface	3.368	0.441	0.402	0.441	0.447	1.023	1,807,858.922	No	0.441	3.368
436	SCC_01	SCC_21	TOE_2948	15.000	1															

FULL BUILDOUT W/ I/ - PIPE TABLE

		ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (gpd)	Unpeakable Flow (gpd)	Peakable Flow (gpd)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth (ft)	Critical Depth (ft)	Froude Number	Full Flow (gpd)	Backwater Adjustment	Adjusted Depth (ft)	Adjusted Velocity (ft/s)
449		SCC_21	SCC_02	SCC_03	10.000	577.000	0.007	340,594.455	7,539.837	94,245.085	Free Surface	3.156	0.345	0.256	0.288	0.318	1.212	1,329,365.083	No	0.288	3.156
450		SCC_22	SCC_01	SCC_02	8.000	443.000	0.011	191,831.394	3,895.199	48,695.022	Free Surface	3.174	0.313	0.213	0.209	0.252	1.439	901,253.048	No	0.209	3.174
451		SCC_3	SCC_19	SCC_20	15.000	415.000	0.002	1,677,410.276	49,780.781	622,243.926	Free Surface	2.858	0.693	0.827	0.867	0.646	0.567	2,028,108.090	No	0.867	2.858
452		SCC_4	SCC_18	SCC_19	15.000	485.000	0.002	1,677,410.276	49,780.781	622,243.926	Free Surface	2.845	0.696	0.831	0.870	0.646	0.563	2,017,626.841	No	0.870	2.845
453		SCC_5	SCC_17	SCC_18	15.000	275.000	0.002	1,677,410.276	49,780.781	622,243.926	Free Surface	2.858	0.693	0.827	0.867	0.646	0.567	2,028,108.090	No	0.867	2.858
454		SCC_6	SCC_16	SCC_17	15.000	513.000	0.002	1,677,410.276	49,780.781	622,243.926	Free Surface	2.862	0.693	0.825	0.866	0.646	0.569	2,032,057.671	No	0.866	2.862
455		SCC_7	SCC_15	SCC_16	15.000	512.000	0.002	1,677,410.276	49,780.781	622,243.926	Free Surface	2.853	0.695	0.829	0.868	0.646	0.566	2,024,143.065	No	0.868	2.853
456		SCC_8	SCC_14	SCC_15	15.000	500.000	0.002	1,677,410.276	49,780.781	622,243.926	Free Surface	2.858	0.693	0.827	0.867	0.646	0.567	2,028,108.090	No	0.867	2.858
457		SCC_9	SCC_13	SCC_14	15.000	500.000	0.002	1,677,410.276	49,780.781	622,243.926	Free Surface	2.846	0.696	0.831	0.870	0.646	0.563	2,017,942.070	No	0.870	2.846
458		SUN_10-SUN_11	SUN_10	SUN_11	8.000	402.750	0.024	229,561.839	4,720.318	58,999.658	Free Surface	4.395	0.282	0.174	0.188	0.277	2.110	1,321,950.703	No	0.188	4.395
459		SUN_11-SUN_12	SUN_11	SUN_12	8.000	319.400	0.053	229,561.839	4,720.318	58,999.658	Free Surface	5.800	0.232	0.118	0.154	0.277	3.098	1,951,946.703	Yes	0.176	4.833
460		SUN_12-SUN_13	SUN_12	SUN_13	8.000	400.080	0.004	229,561.839	4,720.318	58,999.658	Free Surface	2.362	0.445	0.409	0.297	0.277	0.874	561,059.875	No	0.297	2.362
461		SUN_13-SUN_14	SUN_13	SUN_14	8.000	338.740	0.010	229,561.839	4,720.318	58,999.658	Free Surface	3.196	0.355	0.271	0.237	0.277	1.350	848,653.125	No	0.237	3.196
462		SUN_14-SUN_15	SUN_14	SUN_15	8.000	319.320	0.023	229,561.839	4,720.318	58,999.658	Free Surface	4.330	0.285	0.177	0.190	0.277	2.067	1,294,902.337	No	0.190	4.330
463		SUN_15-ECF1_44	SUN_15	ECF1_44	8.000	698.510	0.004	229,561.839	4,720.318	58,999.658	Free Surface	2.209	0.469	0.448	0.313	0.277	0.792	512,563.154	Yes	0.654	1.022
464		SUN_1-SUN_2	SUN_1	SUN_2	8.000	388.620	0.017	229,561.839	4,720.318	58,999.658	Free Surface	3.883	0.308	0.206	0.206	0.277	1.776	1,112,216.324	No	0.206	3.883
465		SUN_2-SUN_3	SUN_2	SUN_3	8.000	390.550	0.015	229,561.839	4,720.318	58,999.658	Free Surface	3.689	0.320	0.222	0.213	0.277	1.652	1,035,587.450	No	0.213	3.689
466		SUN_3-SUN_4	SUN_3	SUN_4	8.000	397.140	0.008	229,561.839	4,720.318	58,999.658	Free Surface	2.937	0.378	0.304	0.252	0.277	1.197	755,521.919	No	0.252	2.937
467		SUN_4-SUN_5	SUN_4	SUN_5	8.000	184.760	0.006	229,561.839	4,720.318	58,999.658	Free Surface	2.681	0.405	0.344	0.270	0.277	1.050	666,364.813	No	0.270	2.681
468		SUN_5-SUN_6	SUN_5	SUN_6	8.000	334.880	0.005	229,561.839	4,720.318	58,999.658	Free Surface	2.412	0.438	0.398	0.292	0.277	0.901	577,144.885	No	0.292	2.412
469		SUN_6-SUN_7	SUN_6	SUN_7	8.000	247.010	0.005	229,561.839	4,720.318	58,999.658	Free Surface	2.417	0.438	0.397	0.292	0.277	0.904	578,835.635	No	0.292	2.417
470		SUN_7-SUN_8	SUN_7	SUN_8	8.000	269.850	0.005	229,561.839	4,720.318	58,999.658	Free Surface	2.413	0.438	0.398	0.292	0.277	0.901	577,374.239	No	0.292	2.413
471		SUN_8-SUN_9	SUN_8	SUN_9	8.000	274.930	0.022	229,561.839	4,720.318	58,999.658	Free Surface	4.235	0.290	0.183	0.193	0.277	2.004	1,255,309.417	No	0.193	4.235
472		SUN_9-SUN_10	SUN_9	SUN_10	8.000	373.700	0.020	229,561.839	4,720.318	58,999.658	Free Surface	4.109	0.296	0.191	0.197	0.277	1.922	1,203,402.692	No	0.197	4.109
473		TOE_2576-TOE_2577	TOE_2576	TOE_2577	18.000	282.794	0.005	1,395,420.811	40,033.425	500,421.412	Free Surface	3.951	0.348	0.260	0.522	0.555	1.126	5,370,802.322	No	0.522	3.951
474		TOE_2577-TOE_2578	TOE_2577	TOE_2578	18.000	270.433	0.015	1,395,420.811	40,033.425	500,421.412	Free Surface	5.703	0.267	0.156	0.400	0.555	1.881	8,957,466.948	No	0.400	5.703
475		TOE_2578-TOE_2579	TOE_2578	TOE_2579	18.000	293.969	0.015	1,395,420.811	40,033.425	500,421.412	Free Surface	5.694	0.267	0.156	0.401	0.555	1.878	8,939,632.045	No	0.401	5.694
476		TOE_2579-TOE_2581	TOE_2579	TOE_2581	18.000	91.682	0.009	1,395,420.811	40,033.425	500,421.412	Free Surface	4.781	0.303	0.199	0.454	0.555	1.472	6,999,656.252	No	0.454	4.781
477		TOE_2580-TOE_2578	TOE_2580	TOE_2578	18.000	103.702	0.005	1,395,420.811	40,033.425	500,421.412	Free Surface	3.732	0.363	0.281	0.544	0.555	1.039	4,964,591.669	No	0.544	3.732
478		TOE_2581-TOE_2579	TOE_2581	TOE_2579	18.000	84.929	0.004	1,464,016.590	42,373.424	529,672.121	Free Surface	3.764	0.373	0.297	0.560	0.569	1.030	4,932,785.490	No	0.560	3.764
479		TOE_2582-TOE_2580	TOE_2582	TOE_2580	18.000	25.848	0.005	1,464,016.590	42,373.424	529,672.121	Free Surface	3.815	0.370	0.291	0.555	0.569	1.050	5,024,681.737	Yes	0.562	3.747
480		TOE_2583-TOE_2584	TOE_2583	TOE_2584	18.000	397.733	0.004	1,464,016.590	42,373.424	529,672.121	Free Surface	3.537	0.391	0.323	0.587	0.569	0.942	4,528,752.063	No	0.587	3.537
481		TOE_2584-CHF3A_15	TOE_2584	CHF3A_15	18.000	394.000	0.004	1,464,016.590	42,373.424	529,672.121	Free Surface	3.617	0.385	0.313	0.577	0.569	0.973	4,669,916.990	No	0.577	3.617
482		TOE_2585-CHF1A_C1	TOE_2585	CHF1A_C1	18.000	230.196	0.010	1,517,559.701	44,213.743	552,671.792	Free Surface	5.158	0.305	0.202	0.457	0.580	1.583	7,529,828.380	No	0.457	5.158
483		TOE_2586-TOE_2587	TOE_2586	TOE_2587	18.000	230.190	0.008	1,685,789.987	50,073.101	625,921.684	Free Surface	4.838	0.344	0.255	0.517	0.612	1.386	6,611,064.070	No	0.517	4.838
484		TOE_2587-TOE_2588	TOE_2587	TOE_2588	18.000	93.140	0.020	1,685,789.987	50,073.101	625,921.684	Free Surface	6.745	0.271	0.160	0.406	0.612	2.207	10,504,890.108	No	0.406	6.745
485		TOE_2588-TOE_2589	TOE_2588	TOE_2589	18.000	492.495	0.024	1,685,789.987	50,073.101	625,921.684	Free Surface	7.208	0.258	0.146	0.388	0.612	2.420	11,530,311.680	No	0.388	7.208
486		TOE_2589-TOE_2590	TOE_2589	TOE_2590	18.000	115.180	0.023	1,806,179.362	54,332.620	679,171.424	Free Surface	7.195	0.272	0.161	0.408	0.635	2.350	11,185,690.250	No	0.408	7.195
487		TOE_2590-TOE_2591	TOE_2590	TOE_2591	18.000	23.959	0.061	1,806,179.362	54,332.620	679,171.424	Free Surface	10.192	0.212	0.099	0.319	0.635	3.800	18,266,219.977	Yes	0.717	3.351
488		TOE_2591-TOE_2743	TOE_2591	TOE_2743	30.000	231.417	0.003	8,439,632.825	336,447.233	4,205,550.096	Free Surface	4.783	0.544	0.576	1.360	1.215	0.805	14,662,594.587	No	1.360	4.783
489		TOE_2592-TOE_2593	TOE_2592	TOE_2593	8.000	52.704	0.006	171,490.918	3,460.319	43,250.384	Free Surface	2.433	0.350	0.264	0.234	0.238	1.035	650,612.893	No	0.234	2.433
490		TOE_2593-GVF1_95	TOE_2593	GVF1_95	8.000	189.327	0.015	171,490.918	3,460.319	43,250.384	Free Surface	3.417	0.274	0.164	0.183	0.238	1.667	1,044,475.552	No	0.183	3.417
491		TOE_2594-TOE_2595	TOE_2594	TOE_2595	15.000	178.668	0.003	911,770.441	24,189.111	302,350.926	Free Surface	2.938	0.414	0.359	0.518	0.470	0.829	2,538,906.603	No	0.518	2.938
492		TOE_2595-TOE_2596	TOE_2595	TOE_2596	15.000	210.662	0.002	911,770.441	24,189.111	302,350.926	Free Surface	2.486	0.470	0.450	0.588	0.470	0.650	2,024,920.664	No	0.588	2.486
493		TOE_2596-TOE_2597	TOE_2596	TOE_2597	30.000	111.976	0.003	911,770.441	24,189.111	302,350.926	Free Surface	2.537	0.171	0.063	0.426	0.386	0.822	14,399,580.685	No	0.426	2.537
494		TOE_2597-TOE_2598	TOE_2597	TOE_2598	30.000	103.462	0.001	911,770.441	24,189.111	302,350.926	Free Surface	2.094	0.195	0.083	0.487	0.386	0.633	10,964,496.126	No	0.487	2.094
495		TOE_2598-TOE_2591	TOE_2598	TOE_2591	15.000	231.956	0.022	911,770.441	24,189.111	302,350.926	Free Surface	5.923	0.249	0.136	0.311	0.470	2.223	6,724,468.009	No	0.311	5.923
496		TOE_2609-TOE_2747	TOE_2609	TOE_2747	18.000	443.041	0.002	1,104,689.959	30,359.509	379,477.297	Free Surface	2.605	0.398	0.334	0.597	0.492	0.687	3,305,231.616	No	0.597	2.605
497		TOE_2610-TOE_2609	TOE_2610	TOE_2609	18.000	80.972	0.012	1,104,689.959	30,359.509	379,477.297	Free Surface	5.004	0.248	0.135	0.372	0.492	1.717	8,195,229.564	Yes	0.470	4.370
498		TOE_2612-TOE_2610	TOE_2612	TOE_2610	18.000	148.443	0.013	1,104,689.959	30,359.509	379,477.297	Free Surface	5.125	0.244	0.130	0.366	0.492	1.775	8,4			

FULL BUILDOUT W/ I/I - PIPE TABLE

		ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (gpd)	Unpeakable Flow (gpd)	Peakable Flow (gpd)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth (ft)	Critical Depth (ft)	Froude Number	Full Flow (gpd)	Backwater Adjustment	Adjusted Depth (ft)	Adjusted Velocity (ft/s)
513		TOE_2636-TOE_2639	TOE_2636	TOE_2639	10.000	391.446	0.001	0.000	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	532,974.852	Yes	0.139	0.000
514		TOE_2637-TOE_2638	TOE_2637	TOE_2638	12.000	41.365	0.025	727,517.711	18,509.753	231,369.033	Free Surface	5.973	0.289	0.183	0.289	0.447	2.309	3,984,985.969	No	0.289	5.973
515		TOE_2638-TOE_2639	TOE_2638	TOE_2639	12.000	49.033	0.014	727,517.711	18,509.753	231,369.033	Free Surface	4.858	0.336	0.243	0.336	0.447	1.729	2,988,489.806	No	0.336	4.858
516		TOE_2639-RMF1_114	TOE_2639	RMF1_114	12.000	110.713	0.013	727,517.711	18,509.753	231,369.033	Free Surface	4.638	0.348	0.260	0.348	0.447	1.619	2,802,550.445	No	0.348	4.638
517		TOE_2640-TOE_2637	TOE_2640	TOE_2637	12.000	271.203	0.018	727,517.711	18,509.753	231,369.033	Free Surface	5.248	0.318	0.219	0.318	0.447	1.927	3,327,509.254	Yes	0.478	3.032
518		TOE_2646-ARF1_37	TOE_2646	ARF1_37	8.000	44.839	0.002	230,360.489	4,740.478	59,250.218	Free Surface	1.601	0.609	0.687	0.406	0.277	0.482	335,186.855	No	0.406	1.601
519		TOE_2647-TOE_2646	TOE_2647	TOE_2646	8.000	316.906	0.005	230,360.489	4,740.478	59,250.218	Free Surface	2.470	0.432	0.387	0.288	0.277	0.931	595,196.711	No	0.288	2.470
520		TOE_2648-TOE_2650	TOE_2648	TOE_2650	15.000	410.019	0.004	1,628,909.646	48,080.142	600,990.974	Free Surface	3.550	0.562	0.606	0.702	0.636	0.827	2,687,541.477	No	0.702	3.550
521		TOE_2649-TOE_2648	TOE_2649	TOE_2648	15.000	133.522	0.004	1,628,909.646	48,080.142	600,990.974	Free Surface	3.582	0.558	0.599	0.697	0.636	0.839	2,719,066.029	No	0.697	3.582
522		TOE_2650-TOE_2656	TOE_2650	TOE_2656	15.000	392.350	0.018	1,704,033.205	50,715.341	633,928.081	Free Surface	6.600	0.361	0.279	0.451	0.651	2.016	6,109,130.732	No	0.451	6.600
523		TOE_2651-TOE_2652	TOE_2651	TOE_2652	15.000	16.899	0.004	1,704,033.205	50,715.341	633,928.081	Free Surface	3.822	0.549	0.584	0.686	0.651	0.904	2,918,726.550	Yes	0.702	3.717
524		TOE_2652-TOE_2653	TOE_2652	TOE_2653	15.000	381.367	0.004	1,704,033.205	50,715.341	633,928.081	Free Surface	3.619	0.574	0.627	0.717	0.651	0.831	2,718,097.714	No	0.717	3.619
525		TOE_2653-TOE_2654	TOE_2653	TOE_2654	15.000	404.066	0.004	1,704,033.205	50,715.341	633,928.081	Free Surface	3.608	0.575	0.629	0.719	0.651	0.827	2,707,267.370	No	0.719	3.608
526		TOE_2654-TOE_2655	TOE_2654	TOE_2655	15.000	378.306	0.010	1,781,793.386	53,467.180	668,322.468	Free Surface	5.470	0.430	0.384	0.537	0.666	1.510	4,645,683.290	No	0.537	5.470
527		TOE_2655-TOE_2745	TOE_2655	TOE_2745	30.000	21.210	0.002	5,793,544.666	215,691.759	2,696,138.345	Free Surface	3.867	0.478	0.463	1.196	0.998	0.707	12,505,252.071	Yes	1.703	2.518
528		TOE_2656-TOE_2651	TOE_2656	TOE_2651	15.000	399.309	0.026	1,704,033.205	50,715.341	633,928.081	Free Surface	7.506	0.329	0.233	0.411	0.651	2.419	7,301,159.433	Yes	0.448	6.659
529		TOE_2657-TOE_2659	TOE_2657	TOE_2659	8.000	194.240	0.014	397,758.275	9,053.277	113,160.917	Free Surface	4.163	0.440	0.400	0.293	0.369	1.552	994,603.317	No	0.293	4.163
530		TOE_2659-TOE_2660	TOE_2659	TOE_2660	8.000	352.520	0.013	397,758.275	9,053.277	113,160.917	Free Surface	4.090	0.446	0.410	0.297	0.369	1.513	971,164.311	No	0.297	4.090
531		TOE_2660-TOE_2661	TOE_2660	TOE_2661	8.000	302.430	0.010	397,758.275	9,053.277	113,160.917	Free Surface	3.756	0.476	0.459	0.317	0.369	1.335	865,777.808	No	0.317	3.756
532		TOE_2661-TOE_2663	TOE_2661	TOE_2663	8.000	87.840	0.010	397,758.275	9,053.277	113,160.917	Free Surface	3.741	0.477	0.462	0.318	0.369	1.327	861,076.924	No	0.318	3.741
533		TOE_2662-TOE_2664	TOE_2662	TOE_2664	15.000	222.675	0.012	1,628,909.646	48,080.142	600,990.974	Free Surface	5.600	0.395	0.329	0.493	0.636	1.626	4,956,574.417	Yes	0.591	4.408
534		TOE_2663-ECF4_135	TOE_2663	ECF4_135	8.000	379.848	0.013	397,758.275	9,053.277	113,160.917	Free Surface	4.130	0.442	0.404	0.295	0.369	1.534	983,940.343	Yes	0.469	2.343
535		TOE_2664-TOE_2649	TOE_2664	TOE_2649	15.000	258.002	0.004	1,628,909.646	48,080.142	600,990.974	Free Surface	3.629	0.552	0.589	0.690	0.636	0.856	2,766,306.867	Yes	0.693	3.605
536		TOE_2673-VRF1D_702	TOE_2673	VRF1D_702	10.000	248.890	0.016	537,427.831	12,935.515	161,700.419	Free Surface	4.663	0.362	0.281	0.302	0.403	1.742	1,915,504.132	No	0.302	4.663
537		TOE_2710-TOE_2712	TOE_2710	TOE_2712	10.000	172.785	0.004	1,001,163.394	27,020.150	337,750.433	Pressurized	2.840	1.000	1.023	0.833	0.551	0.548	979,015.931	No	0.833	2.840
538		TOE_2711-TOE_2715	TOE_2711	TOE_2715	10.000	182.798	0.005	1,001,163.394	27,020.150	337,750.433	Free Surface	3.610	0.734	0.889	0.612	0.558	0.833	1,126,213.727	Yes	0.817	2.853
539		TOE_2712-TOE_2713	TOE_2712	TOE_2713	10.000	121.612	0.004	1,001,163.394	27,020.150	337,750.433	Pressurized	2.840	1.000	1.058	0.833	0.542	0.548	945,986.116	No	0.833	2.840
540		TOE_2713-TOE_2714	TOE_2713	TOE_2714	10.000	90.763	0.004	1,001,163.394	27,020.150	337,750.433	Pressurized	2.840	1.000	1.034	0.833	0.548	0.548	968,703.910	Yes	0.833	2.840
541		TOE_2714-TOE_2711	TOE_2714	TOE_2711	10.000	315.857	0.004	1,001,163.394	27,020.150	337,750.433	Pressurized	2.840	1.000	1.035	0.833	0.548	0.548	967,616.016	No	0.833	2.840
542		TOE_2715-TOE_2716	TOE_2715	TOE_2716	10.000	176.202	0.003	1,001,163.394	27,020.150	337,750.433	Pressurized	2.840	1.000	1.247	0.833	0.498	0.548	802,803.628	No	0.833	2.840
543		TOE_2716-TOE_2717	TOE_2716	TOE_2717	10.000	105.642	0.004	1,001,163.394	27,020.150	337,750.433	Pressurized	2.840	1.000	1.071	0.833	0.538	0.548	934,562.798	No	0.833	2.840
544		TOE_2717-TOE_2718	TOE_2717	TOE_2718	10.000	389.846	0.017	1,001,163.394	27,020.150	337,750.433	Free Surface	5.675	0.500	0.501	0.417	0.558	1.747	1,999,914.376	Yes	0.586	3.783
545		TOE_2718-TOE_2719	TOE_2718	TOE_2719	10.000	404.424	0.004	1,001,163.394	27,020.150	337,750.433	Pressurized	2.840	1.000	1.010	0.833	0.555	0.548	991,356.795	No	0.833	2.840
546		TOE_2719-TOE_2720	TOE_2719	TOE_2720	10.000	399.685	0.009	1,001,163.394	27,020.150	337,750.433	Free Surface	4.442	0.610	0.690	0.509	0.558	1.195	1,451,641.644	No	0.509	4.442
547		TOE_2720-TOE_2721	TOE_2720	TOE_2721	10.000	400.184	0.004	1,001,163.394	27,020.150	337,750.433	Pressurized	2.840	1.000	1.014	0.833	0.554	0.548	987,655.294	No	0.833	2.840
548		TOE_2721-TOE_2722	TOE_2721	TOE_2722	10.000	267.435	0.026	1,001,163.394	27,020.150	337,750.433	Free Surface	6.620	0.444	0.407	0.370	0.558	2.194	2,459,871.545	No	0.370	6.620
549		TOE_2722-TOE_2723	TOE_2722	TOE_2723	10.000	130.770	0.025	1,001,163.394	27,020.150	337,750.433	Free Surface	6.572	0.447	0.411	0.372	0.558	2.172	2,435,995.502	No	0.372	6.572
550		TOE_2723-TOE_2724	TOE_2723	TOE_2724	10.000	402.800	0.029	1,001,163.394	27,020.150	337,750.433	Free Surface	6.898	0.430	0.385	0.359	0.558	2.330	2,601,206.353	Yes	0.372	6.581
551		TOE_2724-TOE_2725	TOE_2724	TOE_2725	10.000	396.385	0.007	1,001,163.394	27,020.150	337,750.433	Free Surface	3.936	0.678	0.802	0.565	0.558	0.976	1,248,116.180	No	0.565	3.936
552		TOE_2725-TOE_2726	TOE_2725	TOE_2726	10.000	403.987	0.007	1,001,163.394	27,020.150	337,750.433	Free Surface	4.077	0.657	0.768	0.548	0.558	1.037	1,303,194.099	No	0.548	4.077
553		TOE_2726-TOE_2727	TOE_2726	TOE_2727	10.000	395.385	0.025	1,001,163.394	27,020.150	337,750.433	Free Surface	6.585	0.446	0.410	0.372	0.558	2.178	2,442,479.847	No	0.372	6.585
554		TOE_2727-TOE_2728	TOE_2727	TOE_2728	10.000	165.621	0.048	1,001,163.394	27,020.150	337,750.433	Free Surface	8.337	0.373	0.297	0.311	0.558	3.061	3,372,033.353	No	0.311	8.337
555		TOE_2728-TOE_2729	TOE_2728	TOE_2729	10.000	61.077	0.044	1,001,163.394	27,020.150	337,750.433	Free Surface	8.045	0.384	0.312	0.320	0.558	2.908	3,209,925.693	No	0.320	8.045
556		TOE_2729-TOE_2730	TOE_2729	TOE_2730	10.000	275.532	0.024	1,001,163.394	27,020.150	337,750.433	Free Surface	6.440	0.454	0.422	0.378	0.558	2.108	2,369,718.404	Yes	0.383	6.327
557		TOE_2730-TOE_2992	TOE_2730	TOE_2992	10.000	316.366	0.009	1,001,163.394	27,020.150	337,750.433	Free Surface	4.551	0.598	0.668	0.498	0.558	1.243	1,497,819.128	No	0.498	4.551
558		TOE_2731-TOE_2960	TOE_2731	TOE_2960	8.000	328.578	0.016	314,412.832	6,850.077	85,623.808	Free Surface	4.094	0.373	0.297	0.249	0.326	1.681	1,059,992.645	Yes	0.302	3.165
559		TOE_2732-TOE_2731	TOE_2732	TOE_2731	8.000	341.462	0.005	314,412.832	6,850.077	85,623.808	Free Surface	2.727	0.509	0.515	0.339	0.326	0.929	610,771.602	No	0.339	2.727
560		TOE_2733-TOE_2732	TOE_2733	TOE_2732	8.000	191.801	0.006	314,412.832	6,850.077	85,623.808	Free Surface	2.823	0.495	0.492	0.330	0.326	0.978	639,516.219	No	0.330	2.823
561		TOE_2734-TOE_2615	TOE_2734	TOE_2615	30.000	429.624	0.007														

FULL BUILDOUT W/ I/I - PIPE TABLE

		ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (gpd)	Unpeakable Flow (gpd)	Peakable Flow (gpd)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth (ft)	Critical Depth (ft)	Froude Number	Full Flow (gpd)	Backwater Adjustment	Adjusted Depth (ft)	Adjusted Velocity (ft/s)
577		TOE_2750-TOE_2751	TOE_2750	TOE_2751	12.000	263.499	0.020	1,679,194.804	49,842.701	623,027.285	Free Surface	6.902	0.484	0.472	0.484	0.691	1.982	3,553,960.140	No	0.484	6.902
578		TOE_2751-TOE_2752	TOE_2751	TOE_2752	15.000	391.732	0.015	1,679,194.804	49,842.701	623,027.285	Free Surface	6.090	0.379	0.305	0.474	0.646	1.810	5,499,118.473	No	0.474	6.090
579		TOE_2752-TOE_2753	TOE_2752	TOE_2753	15.000	398.557	0.010	1,679,194.804	49,842.701	623,027.285	Free Surface	5.287	0.421	0.371	0.527	0.646	1.477	4,531,817.796	No	0.527	5.287
580		TOE_2753-TOE_2754	TOE_2753	TOE_2754	15.000	349.938	0.011	1,679,194.804	49,842.701	623,027.285	Free Surface	5.530	0.407	0.349	0.509	0.646	1.576	4,818,135.047	No	0.509	5.530
581		TOE_2754-TOE_2755	TOE_2754	TOE_2755	15.000	130.982	0.008	1,679,194.804	49,842.701	623,027.285	Free Surface	4.825	0.452	0.420	0.565	0.646	1.292	4,001,938.556	No	0.565	4.825
582		TOE_2755-TOE_2759	TOE_2755	TOE_2759	15.000	312.151	0.010	1,679,194.804	49,842.701	623,027.285	Free Surface	5.213	0.426	0.378	0.532	0.646	1.447	4,445,843.679	No	0.532	5.213
583		TOE_2756-TOE_2757	TOE_2756	TOE_2757	15.000	72.934	0.010	1,755,877.147	52,547.020	656,832.713	Free Surface	5.409	0.429	0.382	0.536	0.661	1.496	4,598,754.788	No	0.536	5.409
584		TOE_2757-TOE_2760	TOE_2757	TOE_2760	15.000	417.818	0.015	1,755,877.147	52,547.020	656,832.713	Free Surface	6.200	0.387	0.317	0.483	0.661	1.821	5,542,104.941	No	0.483	6.200
585		TOE_2758-TOE_2761	TOE_2758	TOE_2761	18.000	414.191	0.002	1,755,877.147	52,547.020	656,832.713	Free Surface	2.781	0.542	0.571	0.812	0.625	0.606	3,074,643.302	No	0.812	2.781
586		TOE_2759-TOE_2756	TOE_2759	TOE_2756	15.000	315.756	0.011	1,755,877.147	52,547.020	656,832.713	Free Surface	5.495	0.423	0.374	0.529	0.661	1.531	4,698,940.442	No	0.529	5.495
587		TOE_2760-TOE_2817	TOE_2760	TOE_2817	15.000	413.357	0.019	1,755,877.147	52,547.020	656,832.713	Free Surface	6.824	0.360	0.278	0.450	0.661	2.088	6,324,722.609	No	0.450	6.824
588		TOE_2761-TOE_2762	TOE_2761	TOE_2762	18.000	69.865	0.004	1,755,877.147	52,547.020	656,832.713	Free Surface	3.643	0.439	0.398	0.658	0.625	0.907	4,411,329.400	Yes	0.731	3.177
589		TOE_2762-TOE_2764	TOE_2762	TOE_2764	18.000	489.494	0.002	1,755,877.147	52,547.020	656,832.713	Free Surface	2.817	0.536	0.562	0.804	0.625	0.618	3,126,773.703	No	0.804	2.817
590		TOE_2763-TOE_2765	TOE_2763	TOE_2765	18.000	466.966	0.002	1,755,877.147	52,547.020	656,832.713	Free Surface	2.987	0.512	0.520	0.767	0.625	0.676	3,378,307.134	Yes	0.818	2.756
591		TOE_2764-TOE_2763	TOE_2764	TOE_2763	18.000	478.193	0.002	1,755,877.147	52,547.020	656,832.713	Free Surface	3.102	0.497	0.494	0.745	0.625	0.715	3,552,946.925	Yes	0.756	3.043
592		TOE_2765-TOE_2766	TOE_2765	TOE_2766	18.000	164.304	0.001	1,755,877.147	52,547.020	656,832.713	Free Surface	2.560	0.579	0.636	0.869	0.625	0.533	2,759,106.316	No	0.869	2.560
593		TOE_2766-TOE_2767	TOE_2766	TOE_2767	18.000	181.632	0.002	1,755,877.147	52,547.020	656,832.713	Free Surface	2.892	0.525	0.542	0.787	0.625	0.644	3,237,177.498	No	0.787	2.892
594		TOE_2767-TOE_2768	TOE_2767	TOE_2768	18.000	352.648	0.005	1,755,877.147	52,547.020	656,832.713	Free Surface	4.183	0.395	0.330	0.593	0.625	1.108	5,326,808.805	No	0.593	4.183
595		TOE_2768-TOE_2914	TOE_2768	TOE_2914	18.000	287.466	0.013	1,755,877.147	52,547.020	656,832.713	Free Surface	5.826	0.310	0.208	0.465	0.625	1.771	8,422,695.282	Yes	0.613	4.004
596		TOE_2769-TOE_2770	TOE_2769	TOE_2770	18.000	498.501	0.002	1,755,877.147	52,547.020	656,832.713	Free Surface	3.043	0.504	0.507	0.756	0.625	0.695	3,464,114.064	Yes	0.759	3.030
597		TOE_2770-TOE_2771	TOE_2770	TOE_2771	18.000	403.879	0.002	1,755,877.147	52,547.020	656,832.713	Free Surface	3.016	0.508	0.513	0.761	0.625	0.686	3,422,652.098	No	0.761	3.016
598		TOE_2771-TOE_2772	TOE_2771	TOE_2772	18.000	100.158	0.006	1,763,800.151	52,826.380	660,333.351	Free Surface	4.295	0.389	0.320	0.583	0.627	1.148	5,514,173.479	Yes	0.660	3.646
599		TOE_2772-TOE_2773	TOE_2772	TOE_2773	18.000	361.279	0.002	1,763,800.151	52,826.380	660,333.351	Free Surface	3.162	0.491	0.485	0.736	0.627	0.734	3,639,557.647	Yes	0.869	2.570
600		TOE_2773-TOE_2774	TOE_2773	TOE_2774	18.000	259.869	0.004	1,763,800.151	52,826.380	660,333.351	Free Surface	3.746	0.431	0.386	0.646	0.627	0.943	4,574,583.703	Yes	1.428	1.572
601		TOE_2774-TOE_2775	TOE_2774	TOE_2775	18.000	352.134	-0.000	1,763,800.151	52,826.380	660,333.351	Pressurized	1.544	1.000		1.500	0.000	0.222		No	1.500	1.544
602		TOE_2775-TOE_2776	TOE_2775	TOE_2776	18.000	499.799	0.002	1,763,800.151	52,826.380	660,333.351	Free Surface	2.645	0.566	0.613	0.849	0.627	0.560	2,875,663.264	Yes	0.910	2.432
603		TOE_2776-TOE_2777	TOE_2776	TOE_2777	18.000	505.125	0.001	1,763,800.151	52,826.380	660,333.351	Free Surface	2.253	0.648	0.753	0.972	0.627	0.432	2,343,226.326	No	0.972	2.253
604		TOE_2777-TOE_2778	TOE_2777	TOE_2778	18.000	448.684	0.001	1,763,800.151	52,826.380	660,333.351	Free Surface	2.325	0.630	0.724	0.946	0.627	0.455	2,437,004.677	Yes	0.957	2.293
605		TOE_2778-TOE_2779	TOE_2778	TOE_2779	18.000	451.433	0.001	1,763,800.151	52,826.380	660,333.351	Free Surface	2.262	0.646	0.749	0.969	0.627	0.435	2,354,025.025	Yes	1.122	1.926
606		TOE_2779-TOE_2780	TOE_2779	TOE_2780	18.000	471.667	0.001	1,763,800.151	52,826.380	660,333.351	Free Surface	2.241	0.651	0.758	0.976	0.627	0.428	2,327,876.216	Yes	1.374	1.609
607		TOE_2780-TOE_2781	TOE_2780	TOE_2781	18.000	294.427	0.001	1,763,800.151	52,826.380	660,333.351	Free Surface	2.291	0.638	0.737	0.958	0.627	0.444	2,392,881.049	Yes	1.500	1.544
608		TOE_2781-TOE_2782	TOE_2781	TOE_2782	18.000	388.136	0.000	1,763,800.151	52,826.380	660,333.351	Pressurized	1.544	1.000	1.421	1.500	0.522	0.222	1,241,461.108	No	1.500	1.544
609		TOE_2782-TOE_2783	TOE_2782	TOE_2783	21.000	379.111	0.001	1,763,800.151	52,826.380	660,333.351	Free Surface	2.266	0.500	0.501	0.876	0.599	0.481	3,521,797.912	Yes	0.951	2.044
610		TOE_2783-TOE_2786	TOE_2783	TOE_2786	21.000	499.183	0.002	1,763,800.151	52,826.380	660,333.351	Free Surface	2.840	0.421	0.369	0.736	0.599	0.671	4,775,511.323	Yes	1.423	1.303
611		TOE_2784-TOE_2785	TOE_2784	TOE_2785	21.000	128.890	0.001	1,970,122.223	60,216.457	752,722.277	Free Surface	2.334	0.534	0.558	0.934	0.634	0.476	3,532,789.790	Yes	0.934	2.333
612		TOE_2785-TOE_2788	TOE_2785	TOE_2788	21.000	278.260	0.001	1,970,122.223	60,216.457	752,722.277	Free Surface	2.332	0.534	0.558	0.935	0.634	0.475	3,528,657.765	Yes	1.005	2.133
613		TOE_2786-TOE_2784	TOE_2786	TOE_2784	21.000	505.223	0.000	1,970,122.223	60,216.457	752,722.277	Pressurized	1.267	1.000	1.327	1.750	0.547	0.169	1,484,689.154	No	1.750	1.267
614		TOE_2787-EVF4_46	TOE_2787	EVF4_46	21.000	494.801	0.000	1,970,122.223	60,216.457	752,722.277	Pressurized	1.267	1.000	1.393	1.750	0.534	0.169	1,414,443.287	No	1.750	1.267
615		TOE_2788-TOE_2787	TOE_2788	TOE_2787	21.000	503.608	0.002	1,970,122.223	60,216.457	752,722.277	Free Surface	2.903	0.450	0.417	0.788	0.634	0.659	4,728,573.115	Yes	1.451	1.430
616		TOE_2789-TOE_2791	TOE_2789	TOE_2791	24.000	498.890	0.001	2,370,386.200	74,951.972	936,914.047	Free Surface	2.346	0.498	0.497	0.996	0.671	0.468	4,769,872.434	Yes	1.006	2.317
617		TOE_2790-TOE_2789	TOE_2790	TOE_2789	21.000	174.406	0.001	2,370,386.200	74,951.972	936,914.047	Free Surface	2.458	0.595	0.663	1.041	0.698	0.465	3,573,648.055	No	1.041	2.458
618		TOE_2791-TOE_2792	TOE_2791	TOE_2792	24.000	177.562	0.001	2,370,386.200	74,951.972	936,914.047	Free Surface	2.289	0.508	0.514	1.016	0.671	0.451	4,616,077.651	No	1.016	2.289
619		TOE_2792-TOE_2793	TOE_2792	TOE_2793	24.000	420.700	0.001	2,370,386.200	74,951.972	936,914.047	Free Surface	2.711	0.445	0.409	0.891	0.671	0.579	5,794,430.136	No	0.891	2.711
620		TOE_2793-TOE_2794	TOE_2793	TOE_2794	24.000	381.015	0.002	2,370,386.200	74,951.972	936,914.047	Free Surface	3.003	0.412	0.356	0.824	0.671	0.672	6,659,926.961	Yes	0.883	2.744
621		TOE_2794-TOE_2795	TOE_2794	TOE_2795	24.000	455.331	0.001	2,370,386.200	74,951.972	936,914.047	Free Surface	2.524	0.471	0.450	0.941	0.671	0.521	5,262,886.803	Yes	1.032	2.242
622		TOE_2795-OTF1_60A	TOE_2795	OTF1_60A	24.000	214.510	0.001	2,370,386.200	74,951.972	936,914.047	Free Surface	2.018	0.562	0.606	1.124	0.671	0.372	3,909,765.156	No	1.124	2.018
623		TOE_2798-TOE_2799	TOE_2798	TOE_2799	12.000	220.498	0.002	712,349.879	18,056.153	225,696.875	Free Surface	2.413	0.564	0.610	0.564	0.442	0.626	1,166,983.883	No	0.564	2.413
624		TOE_2799-OTF1_108	TOE_2799	OTF1_108	16.000	33.367	0.002	712,349.879	18,056.153	225,696.875	Free Surface	2.401	0.364	0.283	0.485	0.406	0.707	2,519,550.956	No	0.485	2.401

FULL BUILDOUT W/ I/I - PIPE TABLE

		ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (gpd)	Unpeakable Flow (gpd)	Peakable Flow (gpd)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth (ft)	Critical Depth (ft)	Froude Number	Full Flow (gpd)	Backwater Adjustment	Adjusted Depth (ft)	Adjusted Velocity (ft/s)
641		TOE_2828-TOE_2921	TOE_2828	TOE_2921	36.000	166.924	0.001	10,461,209.696	433,595.357	5,419,907.399	Free Surface	4.108	0.545	0.577	1.635	1.285	0.630	18,121,603.712	No	1.635	4.108
642		TOE_2829-TOE_2830	TOE_2829	TOE_2830	36.000	96.097	0.003	10,461,209.696	433,595.357	5,419,907.399	Free Surface	5.340	0.444	0.407	1.332	1.285	0.933	25,723,528.003	Yes	1.405	4.982
643		TOE_2830-TOE_2831	TOE_2830	TOE_2831	36.000	278.883	0.002	10,461,209.696	433,595.357	5,419,907.399	Free Surface	4.297	0.526	0.544	1.578	1.285	0.675	19,223,088.990	No	1.578	4.297
644		TOE_2831-TOE_2832	TOE_2831	TOE_2832	36.000	59.748	0.002	10,461,209.696	433,595.357	5,419,907.399	Free Surface	4.118	0.544	0.576	1.632	1.285	0.633	18,173,766.148	No	1.632	4.118
645		TOE_2832-TOE_2833	TOE_2832	TOE_2833	36.000	113.979	0.002	10,461,209.696	433,595.357	5,419,907.399	Free Surface	4.949	0.471	0.451	1.412	1.285	0.834	23,208,726.628	Yes	1.427	4.883
646		TOE_2833-TOE_2834	TOE_2833	TOE_2834	36.000	396.915	0.002	10,461,209.696	433,595.357	5,419,907.399	Free Surface	4.250	0.530	0.552	1.591	1.285	0.664	18,949,299.698	No	1.591	4.250
647		TOE_2834-TOE_2835	TOE_2834	TOE_2835	36.000	399.855	0.002	10,461,209.696	433,595.357	5,419,907.399	Free Surface	4.790	0.483	0.471	1.448	1.285	0.795	22,215,470.195	No	1.448	4.790
648		TOE_2835-TOE_2836	TOE_2835	TOE_2836	36.000	405.150	0.002	10,461,209.696	433,595.357	5,419,907.399	Free Surface	4.560	0.502	0.503	1.505	1.285	0.739	20,807,629.358	No	1.505	4.560
649		TOE_2836-TOE_2837	TOE_2836	TOE_2837	36.000	394.145	0.002	10,461,209.696	433,595.357	5,419,907.399	Free Surface	4.335	0.522	0.538	1.566	1.285	0.684	19,449,660.489	Yes	1.690	3.945
650		TOE_2837-TOE_2839	TOE_2837	TOE_2839	36.000	242.437	0.001	10,461,209.696	433,595.357	5,419,907.399	Free Surface	3.381	0.641	0.742	1.923	1.285	0.462	14,105,792.535	No	1.923	3.381
651		TOE_2838-TOE_2840	TOE_2838	TOE_2840	36.000	279.046	0.002	10,461,209.696	433,595.357	5,419,907.399	Free Surface	4.116	0.544	0.576	1.633	1.285	0.632	18,166,539.006	No	1.633	4.116
652		TOE_2839-TOE_2838	TOE_2839	TOE_2838	36.000	223.808	0.002	10,461,209.696	433,595.357	5,419,907.399	Free Surface	4.176	0.538	0.565	1.614	1.285	0.647	18,517,468.952	No	1.614	4.176
653		TOE_2840-TOE_2841	TOE_2840	TOE_2841	36.000	262.834	0.002	10,461,209.696	433,595.357	5,419,907.399	Free Surface	4.661	0.493	0.488	1.479	1.285	0.763	21,420,316.629	No	1.479	4.661
654		TOE_2841-TOE_2843	TOE_2841	TOE_2843	36.000	36.626	0.004	10,461,209.696	433,595.357	5,419,907.399	Free Surface	5.669	0.424	0.375	1.273	1.285	1.018	27,897,440.007	No	1.273	5.669
655		TOE_2842-TOE_2844	TOE_2842	TOE_2844	36.000	444.636	0.003	10,461,209.696	433,595.357	5,419,907.399	Free Surface	5.263	0.449	0.415	1.347	1.285	0.914	25,221,921.417	No	1.347	5.263
656		TOE_2843-TOE_2842	TOE_2843	TOE_2842	36.000	93.563	0.006	10,461,209.696	433,595.357	5,419,907.399	Free Surface	6.860	0.368	0.289	1.104	1.285	1.339	36,226,643.146	Yes	1.125	6.683
657		TOE_2844-TOE_2845	TOE_2844	TOE_2845	36.000	17.372	0.020	10,461,209.696	433,595.357	5,419,907.399	Free Surface	10.500	0.270	0.160	0.811	1.285	2.433	65,508,663.780	Yes	1.384	5.081
658		TOE_2845-TOE_2846	TOE_2845	TOE_2846	36.000	184.327	0.002	10,461,209.696	433,595.357	5,419,907.399	Free Surface	4.396	0.516	0.528	1.549	1.285	0.699	19,812,880.516	No	1.549	4.396
659		TOE_2846-TOE_2847	TOE_2846	TOE_2847	36.000	229.186	0.002	10,461,209.696	433,595.357	5,419,907.399	Free Surface	4.662	0.493	0.488	1.479	1.285	0.764	21,429,504.184	No	1.479	4.662
660		TOE_2847-TOE_2848	TOE_2847	TOE_2848	36.000	80.877	0.004	10,461,209.696	433,595.357	5,419,907.399	Free Surface	6.159	0.399	0.335	1.196	1.285	1.147	31,240,984.972	No	1.196	6.159
661		TOE_2848-TOE_2849	TOE_2848	TOE_2849	36.000	459.682	0.005	10,461,209.696	433,595.357	5,419,907.399	Free Surface	6.345	0.390	0.321	1.170	1.285	1.197	32,541,157.345	No	1.170	6.345
662		TOE_2849-TOE_2920	TOE_2849	TOE_2920	36.000	343.100	0.010	10,461,209.696	433,595.357	5,419,907.399	Free Surface	8.212	0.323	0.225	0.968	1.285	1.726	46,476,512.118	No	0.968	8.212
663		TOE_2850-TOE_2851	TOE_2850	TOE_2851	36.000	249.280	0.009	10,461,209.696	433,595.357	5,419,907.399	Free Surface	7.945	0.330	0.236	0.991	1.285	1.648	44,388,011.310	Yes	1.015	7.687
664		TOE_2851-TOE_2853	TOE_2851	TOE_2853	36.000	20.430	0.004	10,461,209.696	433,595.357	5,419,907.399	Free Surface	6.135	0.400	0.337	1.199	1.285	1.141	31,079,112.582	No	1.199	6.135
665		TOE_2852-TOE_2860	TOE_2852	TOE_2860	36.000	359.537	0.002	10,669,190.484	443,794.873	5,547,407.831	Free Surface	4.328	0.531	0.553	1.593	1.298	0.676	19,287,627.371	No	1.593	4.328
666		TOE_2853-TOE_2852	TOE_2853	TOE_2852	36.000	60.002	0.004	10,669,190.484	443,794.873	5,547,407.831	Free Surface	5.954	0.415	0.360	1.245	1.298	1.083	29,614,860.035	Yes	1.389	5.156
667		TOE_2854-TOE_2853	TOE_2854	TOE_2853	12.000	398.579	0.004	439,652.210	10,199.516	127,500.432	Free Surface	2.640	0.363	0.282	0.363	0.344	0.899	1,559,749.936	No	0.363	2.640
668		TOE_2855-TOE_2854	TOE_2855	TOE_2854	12.000	386.083	0.002	439,652.210	10,199.516	127,500.432	Free Surface	2.059	0.438	0.396	0.438	0.344	0.629	1,109,717.588	No	0.438	2.059
669		TOE_2856-TOE_2855	TOE_2856	TOE_2855	12.000	226.541	0.003	439,652.210	10,199.516	127,500.432	Free Surface	2.351	0.396	0.331	0.396	0.344	0.762	1,329,421.551	No	0.396	2.351
670		TOE_2857-TOE_2856	TOE_2857	TOE_2856	12.000	76.848	0.003	439,652.210	10,199.516	127,500.432	Free Surface	2.401	0.390	0.321	0.390	0.344	0.785	1,368,340.727	No	0.390	2.401
671		TOE_2858-TOE_2857	TOE_2858	TOE_2857	12.000	348.353	0.011	439,652.210	10,199.516	127,500.432	Free Surface	3.775	0.280	0.171	0.280	0.344	1.485	2,563,756.376	No	0.280	3.775
672		TOE_2859-TOE_2858	TOE_2859	TOE_2858	12.000	396.442	0.004	439,652.210	10,199.516	127,500.432	Free Surface	2.776	0.350	0.263	0.350	0.344	0.965	1,671,256.976	No	0.350	2.776
673		TOE_2860-TOE_2861	TOE_2860	TOE_2861	36.000	403.356	0.002	10,669,190.484	443,794.873	5,547,407.831	Free Surface	4.143	0.550	0.586	1.650	1.298	0.632	18,209,827.948	No	1.650	4.143
674		TOE_2861-TOE_2862	TOE_2861	TOE_2862	36.000	62.240	0.006	10,669,190.484	443,794.873	5,547,407.831	Free Surface	7.012	0.367	0.288	1.102	1.298	1.370	37,066,579.448	Yes	1.553	4.468
675		TOE_2862-TOE_2863	TOE_2862	TOE_2863	36.000	159.775	0.001	10,669,190.484	443,794.873	5,547,407.831	Free Surface	3.698	0.604	0.679	1.812	1.298	0.528	15,716,935.916	No	1.812	3.698
676		TOE_2863-TOE_2864	TOE_2863	TOE_2864	36.000	205.062	0.002	10,669,190.484	443,794.873	5,547,407.831	Free Surface	4.846	0.486	0.476	1.457	1.298	0.801	22,417,712.211	No	1.457	4.846
677		TOE_2864-TOE_2865	TOE_2864	TOE_2865	36.000	114.615	0.003	10,669,190.484	443,794.873	5,547,407.831	Free Surface	5.448	0.444	0.407	1.332	1.298	0.952	26,243,125.882	Yes	1.415	5.031
678		TOE_2865-TOE_2866	TOE_2865	TOE_2866	36.000	284.715	0.002	10,669,190.484	443,794.873	5,547,407.831	Free Surface	4.177	0.546	0.580	1.639	1.298	0.640	18,407,998.604	No	1.639	4.177
679		TOE_2866-TOE_2867	TOE_2866	TOE_2867	36.000	270.608	0.002	10,669,190.484	443,794.873	5,547,407.831	Free Surface	4.184	0.546	0.578	1.637	1.298	0.642	18,447,596.010	No	1.637	4.184
680		TOE_2867-TOE_2868	TOE_2867	TOE_2868	36.000	370.460	0.003	10,716,390.039	446,114.712	5,576,407.980	Free Surface	5.465	0.444	0.407	1.333	1.301	0.955	26,315,252.924	Yes	1.376	5.240
681		TOE_2868-TOE_2869	TOE_2868	TOE_2869	36.000	408.607	0.002	10,716,390.039	446,114.712	5,576,407.980	Free Surface	4.464	0.520	0.534	1.560	1.301	0.707	20,061,486.848	No	1.560	4.464
682		TOE_2869-TOE_2870	TOE_2869	TOE_2870	36.000	396.171	0.002	10,716,390.039	446,114.712	5,576,407.980	Free Surface	4.278	0.538	0.565	1.614	1.301	0.662	18,967,088.030	No	1.614	4.278
683		TOE_2870-TOE_2871	TOE_2870	TOE_2871	36.000	396.576	0.002	10,716,390.039	446,114.712	5,576,407.980	Free Surface	4.350	0.531	0.553	1.592	1.301	0.679	19,389,949.386	No	1.592	4.350
684		TOE_2871-TOE_2872	TOE_2871	TOE_2872	36.000	400.375	0.002	10,716,390.039	446,114.712	5,576,407.980	Free Surface	4.159	0.550	0.586	1.651	1.301	0.634	18,277,493.798	No	1.651	4.159
685		TOE_2872-TOE_2873	TOE_2872	TOE_2873	36.000	381.197	0.002	10,716,390.039	446,114.712	5,576,407.980	Free Surface	4.582	0.509	0.516	1.528	1.301	0.735	20,770,239.554	Yes	1.600	4.326
686		TOE_2873-TOE_2874	TOE_2873	TOE_2874	36.000	56.391	0.001	10,716,390.039	446,114.712	5,576,407.980	Free Surface	3.844	0.587	0.650	1.761	1.301	0.561	16,497,998.692	No	1.761	3.844
687		TOE_2874-TOE_2875	TOE_2874	TOE_2875	36.000	68.032	0.002	10,716,390.039	446,114.712	5,576,407.980	Free Surface	4.532	0.514	0.524	1.541	1.301	0.723	20,469,178.536	No	1.541	4.532
688		TOE_2875-TOE_2876	TOE_2875	TOE_2876																	

FULL BUILDOUT W/ I/I - PIPE TABLE

		ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (gpd)	Unpeakable Flow (gpd)	Peakable Flow (gpd)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth (ft)	Critical Depth (ft)	Froude Number	Full Flow (gpd)	Backwater Adjustment	Adjusted Depth (ft)	Adjusted Velocity (ft/s)
705		TOE_2892-TOE_2893	TOE_2892	TOE_2893	36.000	399.514	0.002	11,869,696.373	503,354.690	6,291,891.871	Free Surface	4.235	0.590	0.654	1.769	1.373	0.616	18,146,591.314	No	1.769	4.235
706		TOE_2893-TOE_2894	TOE_2893	TOE_2894	36.000	388.679	0.002	11,869,696.373	503,354.690	6,291,891.871	Free Surface	4.997	0.516	0.527	1.547	1.373	0.795	22,532,603.400	No	1.547	4.997
707		TOE_2894-TOE_2895	TOE_2894	TOE_2895	36.000	401.164	0.002	11,869,696.373	503,354.690	6,291,891.871	Free Surface	4.676	0.544	0.575	1.631	1.373	0.719	20,647,696.857	No	1.631	4.676
708		TOE_2895-TOE_2896	TOE_2895	TOE_2896	36.000	398.573	0.002	11,869,696.373	503,354.690	6,291,891.871	Free Surface	4.756	0.536	0.562	1.609	1.373	0.738	21,109,294.782	Yes	1.647	4.621
709		TOE_2896-TOE_2897	TOE_2896	TOE_2897	36.000	403.174	0.002	11,869,696.373	503,354.690	6,291,891.871	Free Surface	4.247	0.588	0.652	1.765	1.373	0.618	18,213,943.362	No	1.765	4.247
710		TOE_2897-TOE_2898	TOE_2897	TOE_2898	36.000	409.240	0.005	11,869,696.373	503,354.690	6,291,891.871	Free Surface	6.677	0.412	0.356	1.237	1.373	1.219	33,302,844.467	Yes	1.425	5.551
711		TOE_2898-TOE_2899	TOE_2898	TOE_2899	36.000	347.870	0.002	11,869,696.373	503,354.690	6,291,891.871	Free Surface	4.438	0.567	0.616	1.702	1.373	0.663	19,284,262.044	No	1.702	4.438
712		TOE_2899-TOE_2900	TOE_2899	TOE_2900	36.000	334.864	0.002	11,869,696.373	503,354.690	6,291,891.871	Free Surface	4.983	0.517	0.529	1.550	1.373	0.792	22,454,145.401	No	1.550	4.983
713		TOE_2900-TOE_2901	TOE_2900	TOE_2901	36.000	38.258	0.003	11,869,696.373	503,354.690	6,291,891.871	Free Surface	5.597	0.472	0.453	1.416	1.373	0.942	26,224,849.365	Yes	1.434	5.503
714		TOE_2901-TOE_2902	TOE_2901	TOE_2902	36.000	295.270	0.002	11,869,696.373	503,354.690	6,291,891.871	Free Surface	5.014	0.514	0.524	1.543	1.373	0.799	22,636,020.216	No	1.543	5.014
715		TOE_2902-TOE_2903	TOE_2902	TOE_2903	36.000	388.341	0.002	11,869,696.373	503,354.690	6,291,891.871	Free Surface	4.757	0.536	0.562	1.609	1.373	0.738	21,119,930.531	Yes	1.916	3.854
716		TOE_2903-TOE_2904	TOE_2903	TOE_2904	36.000	413.543	0.002	11,869,696.373	503,354.690	6,291,891.871	Free Surface	4.483	0.563	0.608	1.688	1.373	0.673	19,538,514.789	Yes	2.678	2.757
717		TOE_2904-TOE_2951	TOE_2904	TOE_2951	36.000	71.017	0.002	18,378,763.519	843,393.282	10,542,430.430	Pressurized	4.796	0.782	0.955	2.345	1.725	0.547	19,248,349.176	Yes	3.000	4.023
718		TOE_2905-TOE_2906	TOE_2905	TOE_2906	30.000	394.000	0.001	8,439,632.825	336,447.233	4,205,550.096	Free Surface	3.610	0.691	0.823	1.727	1.215	0.508	10,258,167.548	No	1.727	3.610
719		TOE_2906-TOE_2736	TOE_2906	TOE_2736	30.000	373.680	0.002	8,439,632.825	336,447.233	4,205,550.096	Free Surface	4.445	0.578	0.633	1.444	1.215	0.718	13,323,799.684	No	1.444	4.445
720		TOE_2914-TOE_2769	TOE_2914	TOE_2769	18.000	286.272	0.002	1,755,877.147	52,547.020	656,832.713	Free Surface	3.022	0.507	0.512	0.760	0.625	0.688	3,431,902.076	No	0.760	3.022
721		TOE_2915-TOE_2977	TOE_2915	TOE_2977	8.000	33.639	0.014	217,719.232	4,449.598	55,624.299	Free Surface	3.524	0.318	0.219	0.212	0.269	1.583	992,018.765	No	0.212	3.524
722		TOE_2916-TOE_2915	TOE_2916	TOE_2915	8.000	94.519	0.030	217,719.232	4,449.598	55,624.299	Free Surface	4.647	0.261	0.149	0.174	0.269	2.327	1,460,098.057	No	0.174	4.647
723		TOE_2917-TOE_2916	TOE_2917	TOE_2916	8.000	398.787	0.034	217,719.232	4,449.598	55,624.299	Free Surface	4.860	0.253	0.140	0.169	0.269	2.476	1,555,054.568	No	0.169	4.860
724		TOE_2920-TOE_2850	TOE_2920	TOE_2850	36.000	73.831	0.009	10,461,209.696	433,595.357	5,419,907.399	Free Surface	8.016	0.328	0.233	0.985	1.285	1.669	44,938,739.234	Yes	0.988	7.980
725		TOE_2921-TOE_2829	TOE_2921	TOE_2829	36.000	174.848	0.003	10,461,209.696	433,595.357	5,419,907.399	Free Surface	5.633	0.426	0.378	1.279	1.285	1.009	27,657,927.613	No	1.279	5.633
726		TOE_2941-TOE_2942	TOE_2941	TOE_2942	12.000	359.851	0.010	449,090.255	10,460.156	130,749.071	Free Surface	3.720	0.287	0.180	0.287	0.348	1.443	2,491,257.696	No	0.287	3.720
727		TOE_2942-TOE_2943	TOE_2942	TOE_2943	12.000	401.258	0.023	449,090.255	10,460.156	130,749.071	Free Surface	5.023	0.232	0.118	0.232	0.348	2.187	3,797,565.592	No	0.232	5.023
728		TOE_2943-TOE_2944	TOE_2943	TOE_2944	12.000	199.566	0.022	449,090.255	10,460.156	130,749.071	Free Surface	4.912	0.236	0.122	0.236	0.348	2.121	3,679,975.286	No	0.236	4.912
729		TOE_2944-TOE_2945	TOE_2944	TOE_2945	15.000	219.323	0.003	978,708.748	26,304.470	328,808.036	Free Surface	2.793	0.454	0.423	0.568	0.487	0.746	2,311,912.994	Yes	0.608	2.558
730		TOE_2945-TOE_2946	TOE_2945	TOE_2946	15.000	379.787	0.001	978,708.748	26,304.470	328,808.036	Free Surface	2.228	0.542	0.572	0.678	0.487	0.532	1,710,026.283	No	0.678	2.228
731		TOE_2946-TOE_2947	TOE_2946	TOE_2947	15.000	248.186	0.002	978,708.748	26,304.470	328,808.036	Free Surface	2.463	0.501	0.501	0.626	0.487	0.619	1,952,390.266	Yes	0.659	2.308
732		TOE_2947-TOE_2948	TOE_2947	TOE_2948	15.000	228.183	0.002	978,708.748	26,304.470	328,808.036	Free Surface	2.366	0.517	0.529	0.646	0.487	0.583	1,850,658.630	Yes	0.939	1.532
733		TOE_2948-TOE_2949	TOE_2948	TOE_2949	18.000	340.001	0.001	2,400,615.854	76,085.251	951,051.962	Free Surface	2.460	0.797	0.974	1.195	0.736	0.388	2,465,361.598	No	1.195	2.460
734		TOE_2949-VPF1_1	TOE_2949	VPF1_1	18.000	305.002	0.001	2,400,615.854	76,085.251	951,051.962	Free Surface	2.757	0.713	0.857	1.069	0.736	0.488	2,800,940.995	No	1.069	2.757
735		TOE_2950-WWTP1	TOE_2950	WWTP1	36.000	82.011	0.002	18,378,763.519	843,393.282	10,542,430.430	Free Surface	4.652	0.807	0.986	2.421	1.725	0.510	18,643,236.672	No	2.421	4.652
736		TOE_2951-TOE_2950	TOE_2951	TOE_2950	36.000	215.000	0.001	18,378,763.519	843,393.282	10,542,430.430	Pressurized	4.023	1.000	1.017	3.000	1.710	0.409	18,065,131.090	No	3.000	4.023
737		TOE_2960-TOE_2748	TOE_2960	TOE_2748	12.000	375.067	0.016	1,679,194.804	49,842.701	623,027.285	Free Surface	6.369	0.515	0.526	0.515	0.691	1.757	3,192,365.157	No	0.515	6.369
738		TOE_2962-TOE_2960	TOE_2962	TOE_2960	12.000	141.655	0.002	1,001,163.394	27,020.150	337,750.433	Pressurized	1.972	1.000	1.016	1.000	0.524	0.348	985,693.500	No	1.000	1.972
739		TOE_2964-TOE_2960	TOE_2964	TOE_2960	12.000	14.142	0.021	642,356.323	15,972.474	199,653.045	Free Surface	5.406	0.284	0.176	0.284	0.419	2.110	3,642,905.269	Yes	0.430	3.080
740		TOE_2965-TOE_2964	TOE_2965	TOE_2964	12.000	260.000	0.004	588,071.003	14,389.915	179,866.012	Free Surface	2.946	0.416	0.361	0.416	0.400	0.928	1,626,880.922	No	0.416	2.946
741		TOE_2966-TOE_2965	TOE_2966	TOE_2965	12.000	274.110	0.026	588,071.003	14,389.915	179,866.012	Free Surface	5.689	0.257	0.145	0.257	0.400	2.344	4,053,687.141	Yes	0.287	4.894
742		TOE_2967-TOE_2966	TOE_2967	TOE_2966	12.000	400.000	0.005	588,071.003	14,389.915	179,866.012	Free Surface	3.014	0.409	0.350	0.409	0.400	0.958	1,677,847.751	No	0.409	3.014
743		TOE_2968-TOE_2969	TOE_2968	TOE_2969	12.000	29.106	0.017	588,071.003	14,389.915	179,866.012	Free Surface	4.889	0.287	0.179	0.287	0.400	1.899	3,278,251.079	No	0.287	4.889
744		TOE_2969-TOE_2967	TOE_2969	TOE_2967	12.000	121.875	0.007	588,071.003	14,389.915	179,866.012	Free Surface	3.458	0.369	0.290	0.369	0.400	1.167	2,026,442.109	No	0.369	3.458
745		TOE_2970-TOE_2971	TOE_2970	TOE_2971	12.000	280.000	0.004	588,071.003	14,389.915	179,866.012	Free Surface	2.768	0.436	0.393	0.436	0.400	0.847	1,494,744.776	No	0.436	2.768
746		TOE_2971-TOE_2972	TOE_2971	TOE_2972	12.000	245.041	0.004	588,071.003	14,389.915	179,866.012	Free Surface	3.011	0.409	0.351	0.409	0.400	0.957	1,675,804.058	No	0.409	3.011
747		TOE_2972-TOE_2968	TOE_2972	TOE_2968	12.000	140.000	0.006	588,071.003	14,389.915	179,866.012	Free Surface	3.288	0.383	0.311	0.383	0.400	1.086	1,890,719.351	No	0.383	3.288
748		TOE_2973-FMF4_4_4	TOE_2973	FMF4_4_4	12.000	88.704	0.003	441,439.646	10,249.916	128,115.312	Free Surface	2.513	0.378	0.303	0.378	0.344	0.836	1,454,573.210	No	0.378	2.513
749		TOE_2977-TOE_2733	TOE_2977	TOE_2733	8.000	117.630	0.033	261,029.714	5,509.438	68,873.734	Free Surface	5.067	0.279	0.170	0.186	0.296	2.446	1,532,743.993	Yes	0.258	3.236
750		TOE_2978-TOE_2581	TOE_2978	TOE_2581	18.000	246.826	0.006	1,464,016.590	42,373.424	529,672.121	Free Surface	4.154	0.347	0.259	0.521	0.569	1.185	5,652,198.509	No	0.521	4.154
751		TOE_2979-TOE_2582	TOE_2979	TOE_2582	18.000	266.276	0.005	1,464,016.590	42,373.424	529,672.121	Free Surface	3.786	0.372	0.295	0.558	0.569	1.038	4,971,130.152	No	0.558	3.786
752		TOE_2980-TOE_2583	TOE_2980	TOE_2583	18.000	370.537	0.004	1,464,016.590	42,373.424	529,672.121	Free Surface	3.682	0.380	0.306	0.569	0.569	0.998	4,784,926.9			

FULL BUILDOUT W/ I/I - PIPE TABLE

		ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (gpd)	Unpeakable Flow (gpd)	Peakable Flow (gpd)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth (ft)	Critical Depth (ft)	Froude Number	Full Flow (gpd)	Backwater Adjustment	Adjusted Depth (ft)	Adjusted Velocity (ft/s)
769		VPF1_103-VPF1_15A	VPF1_103	VPF1_15A	21.000	270.656	0.005	3,996,779.349	139,056.428	1,738,219.026	Free Surface	5.145	0.500	0.500	0.875	0.917	1.094	8,000,391.679	No	0.875	5.145
770		VPF1_11-VPF1_12	VPF1_11	VPF1_12	21.000	383.454	0.009	2,005,311.880	61,490.857	768,667.391	Free Surface	5.196	0.297	0.191	0.519	0.640	1.498	10,474,621.665	No	0.519	5.196
771		VPF1_126-VPF1_127	VPF1_126	VPF1_127	8.000	217.056	0.021	0.000	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,220,115.230	No	0.000	0.000
772		VPF1_127-VPF1_128	VPF1_127	VPF1_128	8.000	198.724	0.022	0.000	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,256,557.008	No	0.000	0.000
773		VPF1_128-VPF1_129	VPF1_128	VPF1_129	8.000	186.503	0.004	0.000	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	565,925.610	No	0.000	0.000
774		VPF1_129-VPF1_130	VPF1_129	VPF1_130	8.000	116.246	0.011	85,678.528	1,680.479	20,999.512	Free Surface	2.495	0.210	0.096	0.140	0.166	1.405	890,184.725	No	0.140	2.495
775		VPF1_12-VPF1_13	VPF1_12	VPF1_13	21.000	277.540	0.005	2,005,311.880	61,490.857	768,667.391	Free Surface	4.349	0.337	0.245	0.590	0.640	1.167	8,177,844.604	No	0.590	4.349
776		VPF1_130-ECF21_131	VPF1_130	ECF21_131	8.000	243.303	0.043	85,678.528	1,680.479	20,999.512	Free Surface	4.023	0.150	0.049	0.100	0.166	2.697	1,753,907.078	No	0.100	4.023
777		VPF1_13-VPF1_14	VPF1_13	VPF1_14	21.000	378.543	0.011	2,005,311.880	61,490.857	768,667.391	Free Surface	5.582	0.282	0.173	0.493	0.640	1.655	11,576,833.934	Yes	0.608	4.182
778		VPF1_14-VPF1_15	VPF1_14	VPF1_15	21.000	183.524	0.001	2,005,311.880	61,490.857	768,667.391	Free Surface	2.414	0.527	0.546	0.922	0.640	0.496	3,672,178.088	No	0.922	2.414
779		VPF1_15A-VPF1_16	VPF1_15A	VPF1_16	21.000	277.576	0.004	4,075,867.296	142,316.586	1,778,969.570	Free Surface	4.832	0.534	0.557	0.934	0.926	0.985	7,314,011.896	No	0.934	4.832
780		VPF1_15-VPF1_58	VPF1_15	VPF1_58	21.000	302.374	0.001	2,005,311.880	61,490.857	768,667.391	Free Surface	2.597	0.497	0.496	0.871	0.640	0.554	4,045,882.904	No	0.871	2.597
781		VPF1_16-VPF1_17	VPF1_16	VPF1_17	24.000	519.762	0.022	4,075,867.296	142,316.586	1,778,969.570	Free Surface	8.724	0.281	0.172	0.562	0.889	2.425	23,675,095.698	Yes	0.752	5.845
782		VPF1_17-VPF1_18A	VPF1_17	VPF1_18A	24.000	516.132	0.002	4,075,867.296	142,316.586	1,778,969.570	Free Surface	3.404	0.571	0.622	1.141	0.889	0.620	6,557,887.935	No	1.141	3.404
783		VPF1_18A-VPF1_19A	VPF1_18A	VPF1_19A	24.000	342.998	0.002	4,075,867.296	142,316.586	1,778,969.570	Free Surface	3.780	0.524	0.542	1.049	0.889	0.729	7,524,934.513	No	1.049	3.780
784		VPF1_19A-VPF1_20A	VPF1_19A	VPF1_20A	24.000	471.360	0.002	4,075,867.296	142,316.586	1,778,969.570	Free Surface	3.755	0.527	0.546	1.054	0.889	0.722	7,460,076.687	No	1.054	3.755
785		VPF1_1-VPF1_58	VPF1_1	VPF1_58	18.000	426.455	0.002	2,400,615.854	76,085.251	951,051.962	Free Surface	3.101	0.642	0.742	0.962	0.736	0.599	3,233,695.771	Yes	1.145	2.566
786		VPF1_20A-VPF1_21A	VPF1_20A	VPF1_21A	24.000	393.842	0.002	4,075,867.296	142,316.586	1,778,969.570	Free Surface	3.656	0.539	0.566	1.077	0.889	0.693	7,202,514.822	No	1.077	3.656
787		VPF1_21A-ECF21_22A	VPF1_21A	ECF21_22A	24.000	92.771	0.005	4,075,867.296	142,316.586	1,778,969.570	Free Surface	4.992	0.423	0.373	0.846	0.889	1.100	10,937,602.961	No	0.846	4.992
788		VPF1_32A-VPF1_11	VPF1_32A	VPF1_11	21.000	126.479	0.016	2,005,311.880	61,490.857	768,667.391	Free Surface	6.388	0.256	0.143	0.448	0.640	1.996	13,988,184.722	No	0.448	6.388
789		VPF1_58-VPF1_103	VPF1_58	VPF1_103	21.000	477.078	0.002	3,996,779.349	139,056.428	1,738,219.026	Free Surface	3.627	0.667	0.785	1.168	0.917	0.629	5,092,850.578	No	1.168	3.627
790		VPF1_718-VPF1_7	VPF1_718	VPF1_7	18.000	341.600	0.011	1,970,000.074	60,210.697	752,667.557	Free Surface	5.605	0.347	0.258	0.520	0.664	1.600	7,633,266.557	No	0.520	5.605
791		VPF1_7-VPF1_8	VPF1_7	VPF1_8	18.000	284.327	0.012	1,970,000.074	60,210.697	752,667.557	Free Surface	5.769	0.339	0.248	0.509	0.664	1.667	7,944,680.409	No	0.509	5.769
792		VPF1_8-VPF1_10A	VPF1_8	VPF1_10A	18.000	430.730	0.005	1,970,000.074	60,210.697	752,667.557	Free Surface	4.102	0.437	0.396	0.656	0.664	1.023	4,974,554.461	No	0.656	4.102
793		VPF1_10A-VPF1_32A	VPF1_10A	VPF1_32A	18.000	393.415	0.007	1,970,000.074	60,210.697	752,667.557	Free Surface	4.895	0.383	0.311	0.574	0.664	1.320	6,331,436.904	No	0.574	4.895
794		VPF1_717-VPF1_718	VPF1_717	VPF1_718	10.000	222.961	0.026	646,601.820	16,094.874	201,201.044	Free Surface	5.904	0.349	0.262	0.291	0.444	2.253	2,472,239.579	No	0.291	5.904
795		VRF1D_702-VRF1D_703	VRF1D_702	VRF1D_703	10.000	264.156	0.036	537,427.831	12,935.515	161,700.419	Free Surface	6.300	0.291	0.185	0.243	0.403	2.659	2,909,236.636	No	0.243	6.300
796		VRF1D_703-VRF1D_704	VRF1D_703	VRF1D_704	10.000	273.597	0.022	537,427.831	12,935.515	161,700.419	Free Surface	5.329	0.329	0.233	0.274	0.403	2.104	2,304,210.739	No	0.274	5.329
797		VRF1D_704-VRF1D_705	VRF1D_704	VRF1D_705	10.000	119.786	0.022	537,427.831	12,935.515	161,700.419	Free Surface	5.280	0.331	0.236	0.276	0.403	2.076	2,274,792.718	No	0.276	5.280
798		VRF1D_705-VRF1D_707	VRF1D_705	VRF1D_707	10.000	128.235	0.023	537,427.831	12,935.515	161,700.419	Free Surface	5.364	0.327	0.231	0.273	0.403	2.123	2,325,003.942	No	0.273	5.364
799		VRF1D_707-VRF1D_708	VRF1D_707	VRF1D_708	10.000	101.257	0.019	537,427.831	12,935.515	161,700.419	Free Surface	4.996	0.344	0.255	0.287	0.403	1.921	2,106,963.549	No	0.287	4.996
800		VRF1D_708-VRF1D_709	VRF1D_708	VRF1D_709	10.000	114.157	0.009	537,427.831	12,935.515	161,700.419	Free Surface	3.855	0.418	0.364	0.348	0.403	1.326	1,475,150.080	No	0.348	3.855
801		VRF1D_709-VRF1D_710	VRF1D_709	VRF1D_710	10.000	81.755	0.005	537,427.831	12,935.515	161,700.419	Free Surface	3.051	0.500	0.500	0.416	0.403	0.940	1,075,888.658	No	0.416	3.051
802		VRF1D_710-VRF1D_711	VRF1D_710	VRF1D_711	10.000	135.900	0.005	537,427.831	12,935.515	161,700.419	Free Surface	3.060	0.499	0.498	0.415	0.403	0.944	1,079,993.881	No	0.415	3.060
803		VRF1D_711-VRF1D_712	VRF1D_711	VRF1D_712	10.000	117.552	0.005	537,427.831	12,935.515	161,700.419	Free Surface	3.157	0.487	0.477	0.405	0.403	0.989	1,126,029.256	No	0.405	3.157
804		VRF1D_712-VRF1D_713	VRF1D_712	VRF1D_713	10.000	119.736	0.005	537,427.831	12,935.515	161,700.419	Free Surface	2.980	0.509	0.516	0.424	0.403	0.907	1,042,469.353	No	0.424	2.980
805		VRF1D_713-VRF1D_714	VRF1D_713	VRF1D_714	10.000	146.622	0.005	537,427.831	12,935.515	161,700.419	Free Surface	2.991	0.508	0.513	0.423	0.403	0.912	1,047,485.961	No	0.423	2.991
806		VRF1D_714-VRF1D_715	VRF1D_714	VRF1D_715	10.000	144.757	0.007	537,427.831	12,935.515	161,700.419	Free Surface	3.569	0.443	0.405	0.369	0.403	1.186	1,328,573.212	No	0.369	3.569
807		VRF1D_715-VRF1D_716	VRF1D_715	VRF1D_716	10.000	186.765	0.020	537,427.831	12,935.515	161,700.419	Free Surface	5.085	0.340	0.249	0.283	0.403	1.969	2,159,085.065	No	0.283	5.085
808		VRF1D_716-TOE_2997	VRF1D_716	TOE_2997	10.000	174.246	0.011	646,601.820	16,094.874	201,201.044	Free Surface	4.310	0.441	0.403	0.368	0.444	1.434	1,606,160.052	Yes	0.375	4.198
809		VRF1G_186-VRF1G_188	VRF1G_186	VRF1G_188	10.000	386.298	0.019	527,781.355	12,661.915	158,274.660	Free Surface	4.984	0.340	0.250	0.284	0.399	1.928	2,114,433.309	No	0.284	4.984
810		VRF1G_188-VRF1G_204	VRF1G_188	VRF1G_204	10.000	200.334	0.007	527,781.355	12,661.915	158,274.660	Free Surface	3.522	0.441	0.402	0.368	0.399	1.173	1,313,083.968	No	0.368	3.522
811		VRF1G_204-VRF1G_205	VRF1G_204	VRF1G_205	12.000	221.868	0.005	527,781.355	12,661.915	158,274.660	Free Surface	2.960	0.382	0.310	0.382	0.378	0.979	1,704,187.884	No	0.382	2.960
812		VRF1G_205-VRGC2_206	VRF1G_205	VRGC2_206	12.000	209.684	0.004	527,781.355	12,661.915	158,274.660	Free Surface	2.912	0.387	0.317	0.387	0.378	0.956	1,665,730.837	No	0.387	2.912
813		VRGC1_698-VRGC1_699	VRGC1_698	VRGC1_699	10.000	204.736	0.012	537,427.831	12,935.515	161,700.419	Free Surface	4.269	0.387	0.317	0.322	0.403	1.536	1,696,275.750	No	0.322	4.269
814		VRGC1_699-TOE_2673	VRGC1_699	TOE_2673	10.000	399.007	0.019	537,427.831	12,935.515	161,700.419	Free Surface	4.983	0.345	0.256	0.288	0.403	1.913	2,098,929.430	No	0.288	4.983
815		VRGC2_206-VRGC2_544	VRGC2_206	VRGC2_544	12.000	381.521	0.019	527,781.355	12,661.915	158,274.660	Free Surface	4.928	0.264	0.152	0.264	0.378	2.003	3,462,149.029	No	0.264	4.928
816		VRGC2_526-VRGC2_527	VRGC2_526	VRGC2_527	12.000	333.897	0.013	608,261.449	14,977.434	187,225.850	Free Surface	4.496	0.312	0.211	0.312	0.407	1.667	2,877,737.546	No	0.312	4.496
817		VRGC2_527-VRGC2_543	VRGC2_527	VRGC2_543	12.000</																

FULL BUILDOUT W/ I/I - PIPE TABLE

		ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (gpd)	Unpeakable Flow (gpd)	Peakable Flow (gpd)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth (ft)	Critical Depth (ft)	Froude Number	Full Flow (gpd)	Backwater Adjustment	Adjusted Depth (ft)	Adjusted Velocity (ft/s)
833		VRGC4_420-TOE_2809	VRGC4_420	TOE_2809	10.000	333.343	0.017	608,261.449	14,977.434	187,225.850	Free Surface	5.030	0.375	0.300	0.313	0.430	1.841	2,028,905.449	No	0.313	5.030
834		VRGC6_183-VRGC6_184	VRGC6_183	VRGC6_184	10.000	185.714	0.006	527,781.355	12,661.915	158,274.660	Free Surface	3.273	0.467	0.444	0.389	0.399	1.053	1,189,139.609	No	0.389	3.273
835		VRGC6_184-VRGC6_185	VRGC6_184	VRGC6_185	10.000	320.324	0.014	527,781.355	12,661.915	158,274.660	Free Surface	4.498	0.367	0.288	0.306	0.399	1.668	1,835,191.860	No	0.306	4.498
836		VRGC6_185-VRF1G_186	VRGC6_185	VRF1G_186	10.000	172.691	0.023	527,781.355	12,661.915	158,274.660	Free Surface	5.387	0.322	0.224	0.268	0.399	2.152	2,355,518.068	No	0.268	5.387
837		WCR10_1-125_23	WCR10	125_23	8.000	2,558.000	0.016	648,832.482	16,161.114	202,023.284	Free Surface	4.992	0.560	0.603	0.373	0.475	1.596	1,076,226.721	Yes	0.578	3.124
838		WCR3_1	WCR3_80	TOE_2886	15.000	19.110	0.029	1,621,464.227	47,820.942	597,748.095	Free Surface	7.686	0.312	0.211	0.390	0.634	2.551	7,693,555.671	No	0.390	7.686
839		WCR3_10	WCR3_86A	WCR3_86B	15.000	312.840	0.009	1,499,183.788	43,580.144	544,748.915	Free Surface	4.967	0.406	0.346	0.507	0.609	1.419	4,336,086.901	No	0.507	4.967
840		WCR3_11	WCR3_87	WCR3_86A	15.000	256.720	0.009	1,499,183.788	43,580.144	544,748.915	Free Surface	4.945	0.407	0.348	0.509	0.609	1.410	4,311,121.273	No	0.509	4.945
841		WCR3_12	WCR3_88	WCR3_87	15.000	216.760	0.009	1,499,183.788	43,580.144	544,748.915	Free Surface	4.928	0.408	0.349	0.510	0.609	1.403	4,290,297.352	No	0.510	4.928
842		WCR3_13	WCR3_89	WCR3_88	15.000	287.980	0.009	1,499,183.788	43,580.144	544,748.915	Free Surface	4.937	0.407	0.349	0.509	0.609	1.407	4,300,756.138	No	0.509	4.937
843		WCR3_14	WCR3_90	WCR3_89	15.000	252.970	0.016	1,499,183.788	43,580.144	544,748.915	Free Surface	6.022	0.352	0.265	0.440	0.609	1.868	5,652,464.771	No	0.440	6.022
844		WCR3_15	WCR3_91	WCR3_90	15.000	235.590	0.006	1,499,183.788	43,580.144	544,748.915	Free Surface	4.380	0.446	0.410	0.558	0.609	1.183	3,654,629.780	No	0.558	4.380
845		WCR3_16	WCR3_92	WCR3_91	15.000	257.920	0.007	1,499,183.788	43,580.144	544,748.915	Free Surface	4.385	0.446	0.410	0.557	0.609	1.184	3,660,060.214	No	0.557	4.385
846		WCR3_17	WCR3_93	WCR3_92	15.000	197.900	0.007	1,499,183.788	43,580.144	544,748.915	Free Surface	4.411	0.444	0.406	0.555	0.609	1.195	3,689,681.258	No	0.555	4.411
847		WCR3_18	WCR3_94	WCR3_93	15.000	235.700	0.021	1,499,183.788	43,580.144	544,748.915	Free Surface	6.734	0.324	0.227	0.405	0.609	2.187	6,598,520.663	No	0.405	6.734
848		WCR3_19	WCR3_94A	WCR3_94	15.000	300.050	0.006	1,499,183.788	43,580.144	544,748.915	Free Surface	4.297	0.453	0.421	0.566	0.609	1.150	3,560,944.034	No	0.566	4.297
849		WCR3_2	WCR3_81	WCR3_80	15.000	41.840	0.045	1,605,392.427	47,260.782	590,748.258	Free Surface	8.990	0.276	0.167	0.346	0.631	3.187	9,613,005.398	No	0.346	8.990
850		WCR3_20	WCR3_95	WCR3_94A	15.000	130.720	0.007	1,367,096.493	39,071.505	488,394.536	Free Surface	4.455	0.411	0.354	0.513	0.580	1.263	3,866,044.802	No	0.513	4.455
851		WCR3_21	WCR3_96	WCR3_95	15.000	399.710	0.007	1,367,096.493	39,071.505	488,394.536	Free Surface	4.277	0.423	0.374	0.529	0.580	1.191	3,657,549.957	No	0.529	4.277
852		WCR3_22	WCR3_97	WCR3_96	15.000	343.810	0.007	1,367,096.493	39,071.505	488,394.536	Free Surface	4.280	0.423	0.373	0.529	0.580	1.192	3,660,503.753	No	0.529	4.280
853		WCR3_23	WCR3_98	WCR3_97	15.000	374.890	0.011	1,367,096.493	39,071.505	488,394.536	Free Surface	5.152	0.369	0.290	0.461	0.580	1.556	4,719,404.348	No	0.461	5.152
854		WCR3_24	WCR3_99	WCR3_98	15.000	241.920	0.006	1,112,443.537	30,611.508	382,643.856	Free Surface	4.043	0.379	0.305	0.473	0.521	1.202	3,653,339.553	No	0.473	4.043
855		WCR3_25	WCR3_100	WCR3_99	15.000	236.560	0.023	1,112,443.537	30,611.508	382,643.856	Free Surface	6.360	0.272	0.162	0.340	0.521	2.273	6,858,104.151	No	0.340	6.360
856		WCR3_26	WCR3_100A	WCR3_100	15.000	235.090	0.007	1,112,443.537	30,611.508	382,643.856	Free Surface	4.056	0.378	0.303	0.472	0.521	1.208	3,670,450.588	No	0.472	4.056
857		WCR3_27	WCR3_100B	WCR3_100A	15.000	244.690	0.006	1,112,443.537	30,611.508	382,643.856	Free Surface	4.045	0.378	0.304	0.473	0.521	1.203	3,655,666.350	No	0.473	4.045
858		WCR3_28	WCR3_101	WCR3_100B	15.000	243.950	0.007	1,112,443.537	30,611.508	382,643.856	Free Surface	4.049	0.378	0.304	0.473	0.521	1.205	3,661,206.717	No	0.473	4.049
859		WCR3_29	WCR3_102	WCR3_101	15.000	138.520	0.007	1,112,443.537	30,611.508	382,643.856	Free Surface	4.125	0.373	0.296	0.466	0.521	1.237	3,755,620.152	No	0.466	4.125
860		WCR3_3	WCR3_82	WCR3_81	15.000	68.170	0.006	1,605,392.427	47,260.782	590,748.258	Free Surface	4.448	0.465	0.441	0.581	0.631	1.171	3,643,391.080	No	0.581	4.448
861		WCR3_30	WCR3_103	WCR3_102	15.000	184.390	0.012	1,112,443.537	30,611.508	382,643.856	Free Surface	5.079	0.320	0.222	0.400	0.521	1.661	5,009,549.547	No	0.400	5.079
862		WCR3_31	WCR3_115	WCR3_103	15.000	335.280	0.007	1,112,443.537	30,611.508	382,643.856	Free Surface	4.045	0.378	0.304	0.473	0.521	1.203	3,656,794.225	No	0.473	4.045
863		WCR3_32	WCR3_114	WCR3_115	15.000	141.390	0.011	1,112,443.537	30,611.508	382,643.856	Free Surface	4.954	0.326	0.230	0.408	0.521	1.603	4,839,268.180	No	0.408	4.954
864		WCR3_33	WCR3_113A	WCR3_114	15.000	103.030	0.011	1,112,443.537	30,611.508	382,643.856	Free Surface	4.840	0.332	0.237	0.415	0.521	1.552	4,685,873.845	No	0.415	4.840
865		WCR3_34	WCR3_113	WCR3_113A	15.000	287.860	0.004	1,112,443.537	30,611.508	382,643.856	Free Surface	3.386	0.432	0.388	0.541	0.521	0.931	2,866,383.922	No	0.541	3.386
866		WCR3_35	WCR3_112	WCR3_113	15.000	300.000	0.004	1,112,443.537	30,611.508	382,643.856	Free Surface	3.387	0.432	0.388	0.540	0.521	0.932	2,868,177.966	No	0.540	3.387
867		WCR3_36	WCR3_111	WCR3_112	15.000	166.950	0.014	1,112,443.537	30,611.508	382,643.856	Free Surface	5.371	0.308	0.205	0.384	0.521	1.796	5,414,662.181	No	0.384	5.371
868		WCR3_37	WCR3_110	WCR3_111	15.000	400.000	0.004	968,570.398	25,981.910	324,770.278	Free Surface	3.264	0.400	0.338	0.501	0.485	0.940	2,868,177.966	No	0.501	3.264
869		WCR3_38	WCR3_19	WCR3_110	15.000	400.000	0.004	968,570.398	25,981.910	324,770.278	Free Surface	3.264	0.400	0.338	0.501	0.485	0.940	2,868,177.966	No	0.501	3.264
870		WCR3_39	WCR3_18	WCR3_19	15.000	400.000	0.004	968,570.398	25,981.910	324,770.278	Free Surface	3.264	0.400	0.338	0.501	0.485	0.940	2,868,177.966	No	0.501	3.264
871		WCR3_4	WCR3_83	WCR3_82	15.000	417.560	0.006	1,605,392.427	47,260.782	590,748.258	Free Surface	4.457	0.464	0.439	0.580	0.631	1.175	3,653,434.289	No	0.580	4.457
872		WCR3_40	WCR3_17	WCR3_18	15.000	400.000	0.005	968,570.398	25,981.910	324,770.278	Free Surface	3.541	0.377	0.302	0.471	0.485	1.056	3,206,720.452	No	0.471	3.541
873		WCR3_41	WCR3_16	WCR3_17	15.000	361.260	0.005	968,570.398	25,981.910	324,770.278	Free Surface	3.543	0.377	0.302	0.471	0.485	1.057	3,210,003.073	No	0.471	3.543
874		WCR3_42	WCR3_15	WCR3_16	15.000	314.500	0.005	808,357.797	20,972.152	262,144.701	Free Surface	3.374	0.342	0.251	0.427	0.441	1.063	3,214,358.542	No	0.427	3.374
875		WCR3_43	WCR3_14	WCR3_15	15.000	314.500	0.014	808,357.797	20,972.152	262,144.701	Free Surface	4.887	0.262	0.150	0.327	0.441	1.784	5,388,368.141	No	0.327	4.887
876		WCR3_44	WCR3_1-3	WCR3_14	15.000	275.980	0.005	808,357.797	20,972.152	262,144.701	Free Surface	3.369	0.342	0.252	0.428	0.441	1.061	3,206,836.644	No	0.428	3.369
877		WCR3_45	WCR3_12	WCR3_1-3	15.000	160.140	0.005	808,357.797	20,972.152	262,144.701	Free Surface	3.367	0.342	0.252	0.428	0.441	1.061	3,205,318.432	No	0.428	3.367
878		WCR3_46	WCR3_11A	WCR3_1-2	15.000	432.890	0.004	808,357.797	20,972.152	262,144.701	Free Surface	3.119	0.362	0.280	0.453	0.441	0.952	2,809,409.647	No	0.453	3.119
879		WCR3_47	WCR3_11	WCR3_11A	15.000	92.930	0.005	808,357.797	20,972.152	262,144.701	Free Surface	3.483	0.334	0.241	0.417	0.441	1.112	3,359,566.322	No	0.417	3.483
880		WCR3_48	WCR3_H134	WCR3_11	15.000	91.980	0.006	808,357.797	20,972.152	262,144.701	Free Surface	3.569	0.328	0.233	0.410	0.441	1.151	3,474,771.708	No	0.410	3.569
881		WCR3_49	WCR3_H135	WCR3_H134	12.000	399.920	0.012	345,581.939	7,672.317	95,895.324	Free Surface	3.741	0.238	0.124	0.238	0.304	1.609	2,791,092.806	No	0.238	3.741
882		WCR3_5	WCR3_84	WCR3_83	15.000	224.580	0.007	1,605,392.427	47,260.782	590,748.258	Free Surface	4.460	0.464	0.439	0.580	0.631	1.176	3,656,511.879	No	0.580	4.4

FULL BUILDOUT W/ I/I - PIPE TABLE

		ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (gpd)	Unpeakable Flow (gpd)	Peakable Flow (gpd)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth (ft)	Critical Depth (ft)	Froude Number	Full Flow (gpd)	Backwater Adjustment	Adjusted Depth (ft)	Adjusted Velocity (ft/s)
897		WCR3_63	WCR3_H187	WCR3_H186	10.000	51.940	0.021	0.000	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	2,238,406.245	No	0.000	0.000
898		WCR3_64	WCR3_H188	WCR3_H187	8.000	231.710	0.006	0.000	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	682,553.736	No	0.000	0.000
899		WCR3_65	WCR3_H189	WCR3_H188	8.000	363.310	0.007	0.000	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	717,648.209	No	0.000	0.000
900		WCR3_66	WCR3_H190	WCR3_H189	8.000	195.020	0.007	0.000	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	718,766.867	No	0.000	0.000
901		WCR3_67	WCR3_H191	WCR3_H190	8.000	278.060	0.006	0.000	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	678,741.415	No	0.000	0.000
902		WCR3_68	WCR3_H192	WCR3_H191	8.000	256.990	0.011	0.000	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	879,144.040	No	0.000	0.000
903		WCR3_69	WCR3_H192A	WCR3_H192	8.000	280.180	0.013	0.000	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	950,859.552	No	0.000	0.000
904		WCR3_7	WCR3_86	WCR3_85	15.000	387.790	0.007	1,605,392.427	47,260.782	590,748.258	Free Surface	4.479	0.462	0.437	0.578	0.631	1.183	3,677,459.401	No	0.578	4.479
905		WCR3_70	WCR3_H193	WCR3_H192A	8.000	121.000	0.025	0.000	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,335,769.582	No	0.000	0.000
906		WCR3_71	WCR3_H194	WCR3_H193	8.000	327.200	0.012	0.000	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	917,817.527	No	0.000	0.000
907		WCR3_72	WCR3_H133	WCR3_H134	10.000	175.710	0.016	550,238.101	13,299.835	166,249.377	Free Surface	4.771	0.363	0.281	0.302	0.408	1.781	1,958,924.643	No	0.302	4.771
908		WCR3_73	WCR3_H132	WCR3_H133	10.000	145.240	0.006	550,238.101	13,299.835	166,249.377	Free Surface	3.209	0.489	0.482	0.408	0.408	1.002	1,141,551.246	No	0.408	3.209
909		WCR3_74	WCR3_H131	WCR3_H132	10.000	65.280	0.009	550,238.101	13,299.835	166,249.377	Free Surface	3.878	0.423	0.373	0.353	0.408	1.324	1,474,616.508	No	0.353	3.878
910		WCR3_75	WCR3_H130	WCR3_H131	8.000	235.650	0.014	0.000	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,003,891.681	Yes	0.076	0.000
911		WCR3_76	WCR3_H129	WCR3_H130	8.000	300.000	0.005	0.000	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	599,858.213	No	0.000	0.000
912		WCR3_77	WCR3_H128	WCR3_H129	8.000	348.630	0.005	0.000	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	592,387.233	No	0.000	0.000
913		WCR3_78	WCR3_H127	WCR3_H128	8.000	232.240	0.009	0.000	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	787,245.331	No	0.000	0.000
914		WCR3_79	WCR3_H126	WCR3_H127	8.000	111.860	0.004	0.000	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	555,708.217	No	0.000	0.000
915		WCR3_8	WCR3_86C	WCR3_86	15.000	192.490	0.010	1,605,392.427	47,260.782	590,748.258	Free Surface	5.222	0.411	0.354	0.514	0.631	1.480	4,529,211.774	No	0.514	5.222
916		WCR3_80	WCR3_H125	WCR3_H126	8.000	163.480	0.005	0.000	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	600,811.475	No	0.000	0.000
917		WCR3_9	WCR3_86B	WCR3_86C	15.000	303.380	0.009	1,605,392.427	47,260.782	590,748.258	Free Surface	5.029	0.423	0.373	0.529	0.631	1.401	4,301,936.044	No	0.529	5.029
918		WCR5_10-WCR5_11	WCR5_10	WCR5_11	12.000	165.680	0.018	1,340,181.950	38,164.306	477,057.420	Free Surface	6.262	0.438	0.398	0.438	0.615	1.910	3,371,276.495	No	0.438	6.262
919		WCR5_11-WCR5_12	WCR5_11	WCR5_12	12.000	374.150	0.018	1,340,181.950	38,164.306	477,057.420	Free Surface	6.259	0.438	0.398	0.438	0.615	1.909	3,369,443.514	No	0.438	6.259
920		WCR5_12-WCR5_13	WCR5_12	WCR5_13	12.000	277.850	0.014	1,340,181.950	38,164.306	477,057.420	Free Surface	5.691	0.472	0.452	0.472	0.615	1.660	2,963,283.964	No	0.472	5.691
921		WCR5_13-WCR5_14	WCR5_13	WCR5_14	12.000	196.370	0.010	1,340,181.950	38,164.306	477,057.420	Free Surface	4.950	0.526	0.545	0.526	0.615	1.347	2,460,284.883	No	0.526	4.950
922		WCR5_14-WCR5_15	WCR5_14	WCR5_15	12.000	168.090	0.011	1,340,181.950	38,164.306	477,057.420	Free Surface	5.249	0.502	0.504	0.502	0.615	1.472	2,659,206.292	No	0.502	5.249
923		WCR5_15-WCR5_16	WCR5_15	WCR5_16	12.000	371.750	0.016	1,340,181.950	38,164.306	477,057.420	Free Surface	5.956	0.455	0.425	0.455	0.615	1.775	3,150,987.534	No	0.455	5.956
924		WCR5_16-WCR5_17	WCR5_16	WCR5_17	12.000	306.640	0.013	1,513,981.620	44,089.903	551,125.232	Free Surface	5.655	0.522	0.537	0.522	0.655	1.548	2,820,746.567	No	0.522	5.655
925		WCR5_17-WCR5_18	WCR5_17	WCR5_18	12.000	346.280	0.011	1,513,981.620	44,089.903	551,125.232	Free Surface	5.401	0.541	0.570	0.541	0.655	1.443	2,654,390.210	No	0.541	5.401
926		WCR5_18-WCR5_19	WCR5_18	WCR5_19	12.000	195.440	0.020	1,513,981.620	44,089.903	551,125.232	Free Surface	6.692	0.457	0.428	0.457	0.655	1.990	3,533,228.658	No	0.457	6.692
927		WCR5_19-WCR5_20	WCR5_19	WCR5_20	12.000	730.040	0.014	1,513,981.620	44,089.903	551,125.232	Free Surface	5.794	0.512	0.520	0.512	0.655	1.606	2,912,664.328	Yes	0.517	5.721
928		WCR5_1-WCR5_2	WCR5_1	WCR5_2	10.000	1,986.790	0.004	702,041.205	17,747.993	221,854.956	Free Surface	3.013	0.628	0.719	0.523	0.464	0.794	976,028.614	No	0.523	3.013
929		WCR5_20-WCR5_21	WCR5_20	WCR5_21	12.000	399.480	0.007	1,513,981.620	44,089.903	551,125.232	Free Surface	4.563	0.622	0.709	0.622	0.655	1.105	2,134,740.756	No	0.622	4.563
930		WCR5_21-WCR5_22	WCR5_21	WCR5_22	12.000	1,025.410	0.015	1,513,981.620	44,089.903	551,125.232	Free Surface	6.091	0.492	0.486	0.492	0.655	1.731	3,113,575.077	Yes	0.599	4.770
931		WCR5_22-WCR5_23	WCR5_22	WCR5_23	15.000	441.760	0.002	1,530,928.707	44,675.983	558,450.510	Free Surface	2.831	0.645	0.748	0.806	0.616	0.596	2,046,935.507	No	0.806	2.831
932		WCR5_23-WCR5_24	WCR5_23	WCR5_24	15.000	660.870	0.009	1,530,928.707	44,675.983	558,450.510	Free Surface	4.951	0.413	0.357	0.516	0.616	1.399	4,284,933.502	No	0.516	4.951
933		WCR5_24-WCR5_25	WCR5_24	WCR5_25	15.000	866.430	0.006	1,587,478.419	46,635.822	582,946.341	Free Surface	4.255	0.477	0.461	0.596	0.627	1.103	3,445,040.731	No	0.596	4.255
934		WCR5_25-WCR5_26	WCR5_25	WCR5_26	15.000	411.850	0.005	1,587,478.419	46,635.822	582,946.341	Free Surface	4.012	0.499	0.499	0.624	0.627	1.010	3,183,864.549	No	0.624	4.012
935		WCR5_26-WCR5_27	WCR5_26	WCR5_27	15.000	353.460	0.005	1,587,478.419	46,635.822	582,946.341	Free Surface	4.010	0.499	0.499	0.624	0.627	1.009	3,181,856.484	No	0.624	4.010
936		WCR5_27-WCR5_28	WCR5_27	WCR5_28	15.000	231.180	0.005	1,587,478.419	46,635.822	582,946.341	Free Surface	3.999	0.500	0.501	0.626	0.627	1.005	3,170,590.774	No	0.626	3.999
937		WCR5_28-WCR5_29	WCR5_28	HWY52_5	15.000	1,193.690	0.015	1,587,478.419	46,635.822	582,946.341	Free Surface	5.980	0.369	0.290	0.461	0.627	1.806	5,476,835.631	Yes	0.545	4.777
938		WCR5_2-WCR5_3	WCR5_2	WCR5_3	10.000	539.910	0.011	702,041.205	17,747.993	221,854.956	Free Surface	4.407	0.462	0.437	0.385	0.464	1.426	1,607,899.348	No	0.385	4.407
939		WCR5_3-WCR5_4	WCR5_3	WCR5_4	10.000	1,192.000	0.015	702,041.205	17,747.993	221,854.956	Free Surface	4.952	0.423	0.373	0.352	0.464	1.691	1,883,292.112	Yes	0.510	3.105
940		WCR5_4-WCR5_5	WCR5_4	WCR5_5	12.000	580.040	0.003	1,340,181.950	38,164.306	477,057.420	Free Surface	3.205	0.768	0.936	0.768	0.615	0.646	1,431,508.715	Yes	0.865	2.871
941		WCR5_5-WCR5_6	WCR5_5	WCR5_6	12.000	871.120	0.003	1,340,181.950	38,164.306	477,057.420	Pressurized	2.640	1.000	1.010	1.000	0.612	0.465	1,326,447.964	No	1.000	2.640
942		WCR5_6-WCR5_7	WCR5_6	WCR5_7	12.000	443.620	0.003	1,340,181.950	38,164.306	477,057.420	Pressurized	2.640	1.000	1.009	1.000	0.612	0.465	1,327,686.733	No	1.000	2.640
943		WCR5_7-WCR5_8	WCR5_7	WCR5_8	12.000	490.120	0.016	1,340,181.950	38,164.306	477,057.420	Free Surface	5.991	0.453	0.422	0.453	0.615	1.790	3,175,473.560	No	0.453	5.991
944		WCR5_8-WCR5_9	WCR5_8	WCR5_9	12.000	559.300	0.021	1,340,181.950	38,164.306	477,057.420	Free Surface	6.636	0.419	0.367	0.419	0.615	2.078	3,648,356.247	No	0.419	6.636
945		WCR5_9-WCR5_10	WCR5_9	WCR5_10	12.000	822.970	0.022	1,340,181.950	38,164.306	477,057.420	Free Surface	6.690	0.417	0.363	0.417	0.615	2.103	3,688,762.390	No	0.417	6.690
946		WCR7_10-WCR7_11	WCR7_10	WCR7_11	8.000	541.220	0.007	369,380.519	8,301.597	103,770.681	Free Surface	3.212	0.508	0.513	0.338	0.355	1.096	720,126.831	No	0.338	3.212
947		WCR7_11-WCR7_12	WCR7_11	WCR7_12	8.000	386.680	0.005	369,380.519	8,301.597	103,770.681	Free Surface	2.777	0.571	0.621	0.380	0.355	0.				

		ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (gpd)	Unpeakable Flow (gpd)	Peakable Flow (gpd)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth (ft)	Critical Depth (ft)	Froude Number	Full Flow (gpd)	Backwater Adjustment	Adjusted Depth (ft)	Adjusted Velocity (ft/s)
961	<input type="checkbox"/>	WCR7_7-WCR7_8	WCR7_7	WCR7_8	8.000	1,045.230	0.017	369,380.519	8,301.597	103,770.681	Free Surface	4.424	0.397	0.333	0.265	0.355	1.752	1,110,156.458	No	0.265	4.424
962	<input type="checkbox"/>	WCR7_8-WCR7_9	WCR7_8	WCR7_9	8.000	308.600	0.013	369,380.519	8,301.597	103,770.681	Free Surface	3.962	0.432	0.387	0.288	0.355	1.494	954,891.495	No	0.288	3.962
963	<input type="checkbox"/>	WCR7_9-WCR7_10	WCR7_9	WCR7_10	8.000	479.290	0.012	369,380.519	8,301.597	103,770.681	Free Surface	3.920	0.435	0.392	0.290	0.355	1.471	941,218.444	No	0.290	3.920

FULL BUILDOUT WITH SEPTIC MANHOLE TABLE

	ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
<input type="checkbox"/>	AIF1_119	5,068.710	0.000	0.000	0.000	5,058.105	Not Full	Yes	-0.525	10.605
<input type="checkbox"/>	ARF1_12	5,190.400	0.000	0.000	0.000	5,179.325	Not Full	Yes	-0.361	11.075
<input type="checkbox"/>	ARF1_16	5,191.000	0.000	0.000	0.000	5,181.046	Not Full	No	-0.440	9.954
<input type="checkbox"/>	ARF1_17	5,195.200	0.000	0.000	0.000	5,184.039	Not Full	No	-0.428	11.161
<input type="checkbox"/>	ARF1_2	5,190.990	0.000	0.000	0.000	5,173.835	Not Full	Yes	-0.568	17.155
<input type="checkbox"/>	ARF1_28	5,201.050	0.000	0.000	0.000	5,189.726	Not Full	No	-0.470	11.324
<input type="checkbox"/>	ARF1_29	5,202.190	0.000	0.000	0.000	5,190.762	Not Full	No	-0.445	11.428
<input type="checkbox"/>	ARF1_3	5,188.520	0.000	0.000	0.000	5,176.105	Not Full	No	-0.402	12.415
<input type="checkbox"/>	ARF1_31	5,204.680	0.000	0.000	0.000	5,193.923	Not Full	No	-0.424	10.757
<input type="checkbox"/>	ARF1_32	5,205.700	0.000	0.000	0.000	5,194.954	Not Full	No	-0.412	10.746
<input type="checkbox"/>	ARF1_33	5,208.560	0.000	0.000	0.000	5,197.197	Not Full	No	-0.430	11.363
<input type="checkbox"/>	ARF1_34	5,209.050	0.000	0.000	0.000	5,198.223	Not Full	No	-0.394	10.827
<input type="checkbox"/>	ARF1_35	5,209.820	0.000	0.000	0.000	5,198.953	Not Full	Yes	-0.384	10.867
<input type="checkbox"/>	ARF1_36	5,213.560	0.000	0.000	0.000	5,201.344	Not Full	No	-0.422	12.216
<input type="checkbox"/>	ARF1_37	5,213.040	0.000	0.000	0.000	5,202.254	Not Full	No	-0.402	10.786
<input type="checkbox"/>	ARF1_4	5,189.400	0.000	0.000	0.000	5,178.020	Not Full	No	-0.456	11.380
<input type="checkbox"/>	ARF2_1	5,214.270	0.000	0.000	0.000	5,205.588	Not Full	No	-0.418	8.682
<input type="checkbox"/>	ARF2_2	5,217.170	59,250.218	225,620.011	0.000	5,206.685	Not Full	No	-0.401	10.485
<input type="checkbox"/>	BFF1_61	5,112.000	0.000	0.000	0.000	5,100.440	Not Full	No	-0.667	11.560
<input type="checkbox"/>	BFF1_62	5,110.000	0.000	0.000	0.000	5,098.440	Not Full	No	-0.667	11.560
<input type="checkbox"/>	BFF1_63	5,110.000	16,750.074	67,000.295	0.000	5,096.848	Not Full	No	-0.529	13.152
<input type="checkbox"/>	CCF3_39E	5,127.025	28,500.469	114,001.877	0.000	5,116.712	Not Full	No	-0.536	10.313
<input type="checkbox"/>	CCF3_60	5,134.515	0.000	0.000	0.000	5,123.515	Not Full	No	-0.833	11.000
<input type="checkbox"/>	CCF3_60A	5,126.015	42,999.824	167,114.552	0.000	5,118.147	Not Full	No	-0.602	7.868
<input type="checkbox"/>	CCF4_41	5,130.900	36,750.226	144,266.023	0.000	5,119.318	Not Full	No	-0.428	11.582
<input type="checkbox"/>	CCF4_42	5,139.500	0.000	0.000	0.000	5,127.781	Not Full	No	-0.536	11.719
<input type="checkbox"/>	CCF4_43	5,148.430	0.000	0.000	0.000	5,136.711	Not Full	No	-0.536	11.719
<input type="checkbox"/>	CCF4_44	5,154.330	0.000	0.000	0.000	5,142.559	Not Full	No	-0.518	11.771
<input type="checkbox"/>	CCF4_45	5,160.270	0.000	0.000	0.000	5,148.499	Not Full	No	-0.518	11.771
<input type="checkbox"/>	CCF6_105	5,098.110	163,118.819	528,373.057	0.000	5,087.055	Not Full	No	-0.675	11.055
<input type="checkbox"/>	CCF6_106	5,098.070	0.000	0.000	0.000	5,082.130	Not Full	No	-0.670	15.940
<input type="checkbox"/>	CCF6_610	5,118.330	0.000	0.000	0.000	5,107.882	Not Full	No	-0.454	10.448
<input type="checkbox"/>	CCF6_611	5,120.270	0.000	0.000	0.000	5,109.711	Not Full	No	-0.446	10.559
<input type="checkbox"/>	CCF6_612	5,123.450	0.000	0.000	0.000	5,112.276	Not Full	No	-0.451	11.174
<input type="checkbox"/>	CCF6_613	5,124.860	0.000	0.000	0.000	5,113.857	Not Full	No	-0.429	11.003
<input type="checkbox"/>	CCF6_614	5,125.820	0.000	0.000	0.000	5,114.978	Not Full	No	-0.418	10.842
<input type="checkbox"/>	CCF6_615	5,110.580	0.000	0.000	0.000	5,095.868	Not Full	No	-0.842	14.712
<input type="checkbox"/>	CCF6_68	5,111.480	0.000	0.000	0.000	5,098.505	Not Full	No	-0.452	12.975
<input type="checkbox"/>	CCF6_69	5,113.690	0.000	0.000	0.000	5,102.377	Not Full	No	-0.450	11.313
<input type="checkbox"/>	CCF9_46	5,168.820	31,499.988	125,071.153	0.000	5,150.273	Not Full	No	-0.463	18.547
<input type="checkbox"/>	CFF1_17	5,094.225	0.000	0.000	0.000	5,082.902	Not Full	No	-0.893	11.323

FULL BUILDOUT WITH SEPTIC MANHOLE TABLE

	ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
<input type="checkbox"/>	CFF1_18	5,096.025	0.000	0.000	0.000	5,085.239	Not Full	No	-0.896	10.786
<input type="checkbox"/>	CFF1_19	5,097.625	0.000	0.000	0.000	5,086.777	Not Full	No	-0.888	10.848
<input type="checkbox"/>	CFF1_19B1	5,098.735	0.000	0.000	0.000	5,087.732	Not Full	No	-0.703	11.003
<input type="checkbox"/>	CFF1_19B2	5,100.735	0.000	0.000	0.000	5,088.838	Not Full	No	-0.688	11.898
<input type="checkbox"/>	CFF1_20	5,101.125	0.000	0.000	0.000	5,089.669	Not Full	No	-0.696	11.456
<input type="checkbox"/>	CFF1_21	5,103.925	33,750.707	133,299.782	0.000	5,092.002	Not Full	No	-0.693	11.923
<input type="checkbox"/>	CFF1_22	5,106.175	0.000	0.000	0.000	5,093.663	Not Full	No	-0.702	12.512
<input type="checkbox"/>	CFF1_22A	5,112.405	0.000	0.000	0.000	5,100.620	Not Full	No	-0.619	11.785
<input type="checkbox"/>	CFF1_22B	5,106.965	0.000	0.000	0.000	5,095.280	Not Full	No	-0.618	11.685
<input type="checkbox"/>	CFF1_22C	5,104.765	56,250.699	215,559.751	0.000	5,093.045	Not Full	No	-0.554	11.720
<input type="checkbox"/>	CFF1_22D	5,107.255	0.000	0.000	0.000	5,095.055	Not Full	No	-0.833	12.200
<input type="checkbox"/>	CFF1_22E	5,106.875	0.000	0.000	0.000	5,096.885	Not Full	No	-0.833	9.990
<input type="checkbox"/>	CFF1_22F1	5,108.455	0.000	0.000	0.000	5,098.345	Not Full	No	-0.833	10.110
<input type="checkbox"/>	CFF1_23	5,105.785	0.000	0.000	0.000	5,095.091	Not Full	No	-0.714	10.694
<input type="checkbox"/>	CFF1_24	5,106.475	0.000	0.000	0.000	5,096.259	Not Full	No	-0.716	10.216
<input type="checkbox"/>	CFF1_25	5,107.655	0.000	0.000	0.000	5,097.654	Not Full	No	-0.711	10.001
<input type="checkbox"/>	CFF1_26	5,110.015	0.000	0.000	0.000	5,100.250	Not Full	No	-0.715	9.765
<input type="checkbox"/>	CFF1_27	5,113.825	0.000	0.000	0.000	5,103.575	Not Full	No	-0.720	10.250
<input type="checkbox"/>	CFF1_28	5,116.225	0.000	0.000	0.000	5,105.505	Not Full	No	-0.720	10.720
<input type="checkbox"/>	CFF1_29	5,122.135	0.000	0.000	0.000	5,109.242	Not Full	No	-0.773	12.893
<input type="checkbox"/>	CFF1_30	5,125.325	0.000	0.000	0.000	5,115.002	Not Full	No	-0.773	10.323
<input type="checkbox"/>	CFF1_31	5,128.455	0.000	0.000	0.000	5,116.604	Not Full	No	-0.721	11.851
<input type="checkbox"/>	CHF1A_22	5,068.620	73,249.892	269,117.000	0.000	5,055.905	Not Full	No	-1.095	12.715
<input type="checkbox"/>	CHF1A_23	5,070.640	0.000	0.000	0.000	5,052.596	Not Full	No	-1.114	18.044
<input type="checkbox"/>	CHF1A_24	5,052.800	0.000	0.000	0.000	5,042.476	Not Full	No	-1.024	10.324
<input type="checkbox"/>	CHF1A_25	5,050.970	0.000	0.000	0.000	5,039.323	Not Full	No	-0.977	11.647
<input type="checkbox"/>	CHF1A_A1A	5,049.900	0.000	0.000	0.000	5,038.436	Not Full	No	-0.974	11.464
<input type="checkbox"/>	CHF1A_C1	5,075.600	0.000	0.000	0.000	5,061.712	Not Full	No	-1.208	13.888
<input type="checkbox"/>	CHF1B_12	5,105.600	0.000	0.000	0.000	5,083.662	Not Full	No	-1.148	21.938
<input type="checkbox"/>	CHF1B_14A	5,122.490	0.000	0.000	0.000	5,102.128	Not Full	No	-1.112	20.362
<input type="checkbox"/>	CHF1B_15A	5,119.230	0.000	0.000	0.000	5,102.975	Not Full	No	-0.725	16.255
<input type="checkbox"/>	CHF1B_17	5,116.660	0.000	0.000	0.000	5,099.440	Not Full	No	-1.000	17.220
<input type="checkbox"/>	CHF1B_18	5,112.550	22,999.671	91,998.685	0.000	5,097.026	Not Full	No	-1.164	15.524
<input type="checkbox"/>	CHF1B_20	5,085.470	0.000	0.000	0.000	5,074.081	Not Full	No	-1.139	11.389
<input type="checkbox"/>	CHF3A_15	5,125.860	0.000	0.000	0.000	5,104.201	Not Full	No	-0.869	21.659
<input type="checkbox"/>	CHF3A_15B	5,119.230	0.000	0.000	0.000	5,103.515	Not Full	No	-0.865	15.715
<input type="checkbox"/>	CHF3C_8	5,125.190	0.000	0.000	0.000	5,116.323	Not Full	No	-0.967	8.867
<input type="checkbox"/>	CHF3C_9	5,124.720	0.000	0.000	0.000	5,114.843	Not Full	Yes	-0.947	9.877
<input type="checkbox"/>	CMF2_22G	5,109.075	0.000	0.000	0.000	5,099.925	Not Full	No	-0.833	9.150
<input type="checkbox"/>	CMF2_32	5,114.005	0.000	0.000	0.000	5,102.255	Not Full	No	-0.593	11.750
<input type="checkbox"/>	CMF2_33	5,113.055	0.000	0.000	0.000	5,103.073	Not Full	No	-0.546	9.982

FULL BUILDOUT WITH SEPTIC MANHOLE TABLE

	ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
<input type="checkbox"/>	CMF2_34	5,113.115	0.000	0.000	0.000	5,103.408	Not Full	No	-0.540	9.707
<input type="checkbox"/>	CMF2_35	5,114.465	0.000	0.000	0.000	5,104.144	Not Full	Yes	-0.554	10.321
<input type="checkbox"/>	CMF2_36	5,117.345	0.000	0.000	0.000	5,107.054	Not Full	No	-0.614	10.291
<input type="checkbox"/>	CMF2_37	5,118.695	0.000	0.000	0.000	5,108.408	Not Full	No	-0.611	10.287
<input type="checkbox"/>	CMF2_38	5,119.295	0.000	0.000	0.000	5,108.979	Not Full	No	-0.599	10.316
<input type="checkbox"/>	CMF2_39	5,120.035	0.000	0.000	0.000	5,109.775	Not Full	No	-0.594	10.260
<input type="checkbox"/>	CMF2_39A	5,121.225	0.000	0.000	0.000	5,110.411	Not Full	Yes	-0.537	10.814
<input type="checkbox"/>	CMF2_39B	5,120.725	0.000	0.000	0.000	5,114.225	Not Full	No	-0.634	6.500
<input type="checkbox"/>	CMF2_39C	5,124.225	0.000	0.000	0.000	5,115.023	Not Full	No	-0.535	9.202
<input type="checkbox"/>	CMF2_39D	5,128.225	0.000	0.000	0.000	5,115.772	Not Full	No	-0.536	12.453
<input type="checkbox"/>	COMP1_101	5,102.060	130,749.071	438,630.099	0.000	5,084.700	Not Full	No	-0.660	17.360
<input type="checkbox"/>	CSF1_C2A	5,068.715	0.000	0.000	0.000	5,050.091	Not Full	Yes	-0.974	18.624
<input type="checkbox"/>	CSF1_C2C	5,068.425	0.000	0.000	0.000	5,050.296	Not Full	No	-1.109	18.129
<input type="checkbox"/>	CSF1_C3A	5,080.635	0.000	0.000	0.000	5,068.116	Not Full	No	-1.029	12.519
<input type="checkbox"/>	CSF1_C3B	5,076.545	0.000	0.000	0.000	5,066.954	Not Full	No	-1.001	9.591
<input type="checkbox"/>	CSF1_C4B	5,073.805	0.000	0.000	0.000	5,065.299	Not Full	No	-1.036	8.506
<input type="checkbox"/>	CSF1_C5B	5,073.395	0.000	0.000	0.000	5,063.429	Not Full	No	-1.056	9.966
<input type="checkbox"/>	CSF1_C6C	5,069.785	44,075.503	171,047.237	0.000	5,062.469	Not Full	Yes	-0.966	7.316
<input type="checkbox"/>	ECF1A2_131	5,060.000	22,374.712	89,498.846	0.000	5,048.881	Not Full	No	-0.449	11.119
<input type="checkbox"/>	ECF1A2_132	5,059.800	0.000	0.000	0.000	5,046.765	Not Full	Yes	-0.365	13.035
<input type="checkbox"/>	ECF1_100	5,047.600	0.000	0.000	0.000	5,025.393	Not Full	No	-1.577	22.207
<input type="checkbox"/>	ECF1_102	5,047.000	0.000	0.000	0.000	5,024.966	Not Full	No	-1.554	22.034
<input type="checkbox"/>	ECF1_108	5,032.950	107,999.959	373,521.459	0.000	5,017.991	Not Full	No	-1.839	14.959
<input type="checkbox"/>	ECF1_118	5,028.750	0.000	0.000	0.000	5,020.774	Not Full	No	-0.516	7.976
<input type="checkbox"/>	ECF1_119	5,026.890	0.000	0.000	0.000	5,018.230	Not Full	Yes	-0.500	8.660
<input type="checkbox"/>	ECF1_2271	5,029.400	43,097.744	167,472.548	0.000	5,010.465	Not Full	Yes	-1.305	18.935
<input type="checkbox"/>	ECF1_24	5,038.000	0.000	0.000	0.000	5,028.072	Not Full	No	-1.328	9.928
<input type="checkbox"/>	ECF1_25	5,035.470	0.000	0.000	0.000	5,026.562	Not Full	No	-1.508	8.908
<input type="checkbox"/>	ECF1_26	5,036.230	0.000	0.000	0.000	5,023.927	Not Full	No	-1.683	12.303
<input type="checkbox"/>	ECF1_27	5,033.480	0.000	0.000	0.000	5,022.202	Not Full	No	-1.868	11.278
<input type="checkbox"/>	ECF1_28	5,032.150	0.000	0.000	0.000	5,014.826	Not Full	No	-1.844	17.324
<input type="checkbox"/>	ECF1_29	5,030.800	0.000	0.000	0.000	5,011.594	Not Full	No	-1.776	19.206
<input type="checkbox"/>	ECF1_44	5,039.800	0.000	0.000	0.000	5,027.434	Not Full	No	-1.316	12.366
<input type="checkbox"/>	ECF1_97	5,040.000	0.000	0.000	0.000	5,027.047	Not Full	No	-1.353	12.953
<input type="checkbox"/>	ECF21_120	5,065.390	210,160.721	653,853.116	0.000	5,056.164	Not Full	No	-0.396	9.226
<input type="checkbox"/>	ECF21_121	5,065.000	0.000	0.000	0.000	5,054.923	Not Full	No	-0.357	10.077
<input type="checkbox"/>	ECF21_123	5,065.000	0.000	0.000	0.000	5,053.478	Not Full	No	-0.402	11.522
<input type="checkbox"/>	ECF21_124	5,065.000	0.000	0.000	0.000	5,051.955	Not Full	No	-0.395	13.045
<input type="checkbox"/>	ECF21_130	5,062.000	0.000	0.000	0.000	5,050.483	Not Full	No	-0.347	11.517
<input type="checkbox"/>	ECF21_131	5,050.560	0.000	0.000	0.000	5,033.259	Not Full	No	-0.508	17.301
<input type="checkbox"/>	ECF21_132	5,050.500	0.000	0.000	0.000	5,032.163	Not Full	No	-0.503	18.337

FULL BUILDOUT WITH SEPTIC MANHOLE TABLE

	ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
<input type="checkbox"/>	ECF21_133	5,050.800	0.000	0.000	0.000	5,030.157	Not Full	Yes	-1.343	20.643
<input type="checkbox"/>	ECF21_22A	5,054.700	0.000	0.000	0.000	5,033.201	Not Full	No	-1.309	21.499
<input type="checkbox"/>	ECF21_23	5,050.000	0.000	0.000	0.000	5,029.638	Not Full	No	-1.362	20.362
<input type="checkbox"/>	ECF21_24	5,050.000	0.000	0.000	0.000	5,029.917	Not Full	No	-1.343	20.083
<input type="checkbox"/>	ECF21_9	5,047.000	17,749.433	70,997.733	0.000	5,028.823	Not Full	No	-1.477	18.177
<input type="checkbox"/>	ECF3_217	5,026.385	0.000	0.000	0.000	5,017.259	Not Full	Yes	-0.846	9.126
<input type="checkbox"/>	ECF3_218	5,027.535	0.000	0.000	0.000	5,016.028	Not Full	No	-0.907	11.507
<input type="checkbox"/>	ECF4_133	5,060.500	0.000	0.000	0.000	5,044.788	Not Full	No	-0.392	15.712
<input type="checkbox"/>	ECF4_134	5,053.280	0.000	0.000	0.000	5,043.252	Not Full	No	0.272	10.028
<input type="checkbox"/>	ECF4_135	5,056.270	23,925.591	95,702.364	0.000	5,042.096	Not Full	Yes	-0.424	14.174
<input type="checkbox"/>	ECF5_204	5,046.995	0.000	0.000	0.000	5,036.100	Not Full	No	-1.075	10.895
<input type="checkbox"/>	ECF5_205	5,049.085	0.000	0.000	0.000	5,035.172	Not Full	No	-1.075	13.913
<input type="checkbox"/>	ECF5_208	5,047.375	0.000	0.000	0.000	5,032.740	Not Full	No	-1.075	14.635
<input type="checkbox"/>	ECF5_209	5,042.395	0.000	0.000	0.000	5,032.273	Not Full	Yes	-0.902	10.122
<input type="checkbox"/>	ECF5_213	5,046.395	0.000	0.000	0.000	5,031.712	Not Full	No	-0.903	14.683
<input type="checkbox"/>	ECF5_214	5,041.285	55,827.339	214,011.948	0.000	5,031.132	Not Full	No	-0.913	10.153
<input type="checkbox"/>	ECF5_215	5,041.125	0.000	0.000	0.000	5,029.593	Not Full	No	-1.082	11.532
<input type="checkbox"/>	ECF5_216	5,036.155	0.000	0.000	0.000	5,023.092	Not Full	No	-1.083	13.063
<input type="checkbox"/>	EHF10_11	5,145.910	0.000	0.000	0.000	5,131.880	Not Full	No	-0.496	14.030
<input type="checkbox"/>	EHF10_12	5,147.180	0.000	0.000	0.000	5,132.956	Not Full	No	-0.461	14.224
<input type="checkbox"/>	EHF10_13	5,149.870	0.000	0.000	0.000	5,135.142	Not Full	No	-0.494	14.728
<input type="checkbox"/>	EHF10_14	5,149.450	0.000	0.000	0.000	5,136.358	Not Full	No	-0.449	13.092
<input type="checkbox"/>	EHF10_15	5,150.380	0.000	0.000	0.000	5,137.589	Not Full	No	-0.448	12.791
<input type="checkbox"/>	EHF10_16	5,151.800	0.000	0.000	0.000	5,138.788	Not Full	No	-0.448	13.012
<input type="checkbox"/>	EHF10_17	5,152.630	0.000	0.000	0.000	5,139.551	Not Full	No	-0.436	13.079
<input type="checkbox"/>	EHF10_18	5,153.120	0.000	0.000	0.000	5,140.043	Not Full	Yes	-0.443	13.077
<input type="checkbox"/>	EHF11_146	5,162.560	35,999.986	141,523.147	0.000	5,146.420	Not Full	No	-0.446	16.140
<input type="checkbox"/>	EHF11_147	5,158.690	0.000	0.000	0.000	5,145.382	Not Full	No	-0.465	13.308
<input type="checkbox"/>	EHF11_148	5,153.110	0.000	0.000	0.000	5,143.254	Not Full	No	-0.472	9.856
<input type="checkbox"/>	EHF1_2	5,109.900	0.000	0.000	0.000	5,101.810	Not Full	No	2.044	8.090
<input type="checkbox"/>	EHF1_3	5,108.400	0.000	0.000	0.000	5,101.893	Not Full	No	0.926	6.507
<input type="checkbox"/>	EHF1_4	5,112.700	0.000	0.000	0.000	5,101.942	Not Full	Yes	-0.424	10.758
<input type="checkbox"/>	EHF1_5	5,115.000	0.000	0.000	0.000	5,103.567	Not Full	No	-0.500	11.433
<input type="checkbox"/>	EHF1_6	5,118.300	0.000	0.000	0.000	5,107.041	Not Full	No	-0.526	11.259
<input type="checkbox"/>	EHF1_7	5,127.100	0.000	0.000	0.000	5,114.647	Not Full	No	-0.520	12.453
<input type="checkbox"/>	EHF1_8	5,131.700	0.000	0.000	0.000	5,120.467	Not Full	No	-0.500	11.233
<input type="checkbox"/>	EHF3_10	5,147.800	0.000	0.000	0.000	5,136.341	Not Full	No	-0.525	11.459
<input type="checkbox"/>	EHF3_11	5,159.100	0.000	0.000	0.000	5,146.546	Not Full	No	-0.521	12.554
<input type="checkbox"/>	EHF3_12	5,169.300	0.000	0.000	0.000	5,149.599	Not Full	No	-0.467	19.701
<input type="checkbox"/>	EHF3_42	5,168.000	0.000	0.000	0.000	5,150.643	Not Full	Yes	-0.424	17.357
<input type="checkbox"/>	EHF3_9	5,136.500	0.000	0.000	0.000	5,125.178	Not Full	No	-0.488	11.322

FULL BUILDOUT WITH SEPTIC MANHOLE TABLE

	ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
<input type="checkbox"/>	EHF4_1	5,109.600	0.000	0.000	0.000	5,101.782	Not Full	No	-0.555	7.818
<input type="checkbox"/>	EHF7_1	5,166.480	0.000	0.000	0.000	5,151.665	Not Full	No	-0.432	14.815
<input type="checkbox"/>	EHF7_6	5,164.680	43,250.384	168,030.599	0.000	5,153.267	Not Full	No	-0.430	11.413
<input type="checkbox"/>	EHF9_1	5,078.280	0.000	0.000	0.000	5,068.409	Not Full	No	-0.538	9.871
<input type="checkbox"/>	EHF9_10	5,140.060	0.000	0.000	0.000	5,128.204	Not Full	No	-0.483	11.856
<input type="checkbox"/>	EHF9_19	5,155.080	0.000	0.000	0.000	5,141.762	Not Full	No	-0.455	13.318
<input type="checkbox"/>	EHF9_2	5,102.420	0.000	0.000	0.000	5,085.915	Not Full	No	-0.542	16.505
<input type="checkbox"/>	EHF9_3	5,107.570	0.000	0.000	0.000	5,095.693	Not Full	No	-0.544	11.877
<input type="checkbox"/>	EHF9_4	5,118.840	0.000	0.000	0.000	5,103.564	Not Full	No	-0.543	15.276
<input type="checkbox"/>	EHF9_5	5,127.680	0.000	0.000	0.000	5,115.784	Not Full	No	-0.543	11.896
<input type="checkbox"/>	EHF9_6	5,127.520	0.000	0.000	0.000	5,117.178	Not Full	No	-0.479	10.342
<input type="checkbox"/>	EHF9_7	5,137.990	0.000	0.000	0.000	5,123.716	Not Full	No	-0.531	14.274
<input type="checkbox"/>	EHF9_8	5,137.740	0.000	0.000	0.000	5,125.594	Not Full	No	-0.493	12.146
<input type="checkbox"/>	EHF9_9	5,139.150	0.000	0.000	0.000	5,127.324	Not Full	No	-0.493	11.826
<input type="checkbox"/>	EP_1	5,194.550	50,014.061	192,758.604	0.000	5,181.979	Not Full	No	-0.488	12.571
<input type="checkbox"/>	EP_2	5,134.160	137,936.108	458,933.479	0.000	5,121.177	Not Full	No	-0.300	12.983
<input type="checkbox"/>	EP_3	5,114.460	0.000	0.000	0.000	5,101.961	Not Full	No	-0.316	12.499
<input type="checkbox"/>	EVF1A1_51	5,012.830	0.000	0.000	0.000	4,997.168	Not Full	No	-1.012	15.662
<input type="checkbox"/>	EVF1A1_52	5,010.640	0.000	0.000	0.000	4,996.559	Not Full	No	-0.701	14.081
<input type="checkbox"/>	EVF1A2_1	5,014.410	0.000	0.000	0.000	4,997.990	Not Full	No	-0.810	16.420
<input type="checkbox"/>	EVF1A2_50	5,014.510	0.000	0.000	0.000	4,997.860	Not Full	No	-0.740	16.650
<input type="checkbox"/>	EVF1_7	4,998.450	47,000.142	181,739.717	0.000	4,988.419	Not Full	No	-0.564	10.031
<input type="checkbox"/>	EVF2_1A	4,997.540	0.000	0.000	0.000	4,985.020	Not Full	No	-1.000	12.520
<input type="checkbox"/>	EVF2_2	4,996.690	0.000	0.000	0.000	4,985.219	Not Full	Yes	-0.761	11.471
<input type="checkbox"/>	EVF2_3	4,996.740	0.000	0.000	0.000	4,986.275	Not Full	No	-0.805	10.465
<input type="checkbox"/>	EVF2_4	4,998.320	0.000	0.000	0.000	4,986.420	Not Full	No	-0.554	11.900
<input type="checkbox"/>	EVF2_4A	4,994.440	15,249.594	60,998.377	0.000	4,983.351	Not Full	No	-0.659	11.089
<input type="checkbox"/>	EVF2_5	4,994.950	0.000	0.000	0.000	4,983.903	Not Full	No	-0.737	11.047
<input type="checkbox"/>	EVF2_5A	4,998.320	0.000	0.000	0.000	4,987.033	Not Full	No	-0.570	11.287
<input type="checkbox"/>	EVF2_6	4,997.130	0.000	0.000	0.000	4,987.731	Not Full	No	-0.563	9.399
<input type="checkbox"/>	EVF2_6A	4,995.080	0.000	0.000	0.000	4,984.114	Not Full	No	-0.766	10.966
<input type="checkbox"/>	EVF2_7	4,995.890	0.000	0.000	0.000	4,984.378	Not Full	No	-0.732	11.512
<input type="checkbox"/>	EVF2_8	4,996.820	0.000	0.000	0.000	4,984.681	Not Full	No	-0.749	12.139
<input type="checkbox"/>	EVF3_47	5,015.880	0.000	0.000	0.000	4,998.838	Not Full	No	-0.792	17.042
<input type="checkbox"/>	EVF3_48	5,014.910	0.000	0.000	0.000	4,998.328	Not Full	No	-0.802	16.582
<input type="checkbox"/>	EVF4_46	5,017.080	50,718.221	195,333.012	0.000	4,999.351	Not Full	No	-0.799	17.729
<input type="checkbox"/>	FMF4_4_4	5,116.700	0.000	0.000	0.000	5,105.362	Not Full	No	-0.638	11.338
<input type="checkbox"/>	FMF6_1	5,127.260	0.000	0.000	0.000	5,114.703	Not Full	No	-0.503	12.557
<input type="checkbox"/>	FMF6_2	5,129.260	0.000	0.000	0.000	5,116.777	Not Full	No	-0.410	12.483
<input type="checkbox"/>	FMF6_4_6	5,124.560	47,999.502	185,393.375	0.000	5,106.552	Not Full	Yes	-0.648	18.008
<input type="checkbox"/>	FMF7_3	5,131.760	0.000	0.000	0.000	5,119.533	Not Full	No	-0.393	12.227

FULL BUILDOUT WITH SEPTIC MANHOLE TABLE

	ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
<input type="checkbox"/>	FMF7_4	5,136.220	0.000	0.000	0.000	5,123.596	Not Full	No	-0.391	12.624
<input type="checkbox"/>	FMF7_5	5,140.390	0.000	0.000	0.000	5,127.240	Not Full	No	-0.396	13.150
<input type="checkbox"/>	FMF8_1	5,148.970	0.000	0.000	0.000	5,136.234	Not Full	No	-0.503	12.736
<input type="checkbox"/>	FMF8_10	5,160.550	0.000	0.000	0.000	5,145.627	Not Full	No	-0.329	14.923
<input type="checkbox"/>	FMF8_11	5,159.940	45,499.663	176,253.964	0.000	5,146.078	Not Full	No	-0.329	13.862
<input type="checkbox"/>	FMF8_2	5,149.930	0.000	0.000	0.000	5,137.284	Not Full	No	-0.402	12.646
<input type="checkbox"/>	FMF8_3	5,151.500	0.000	0.000	0.000	5,138.939	Not Full	No	-0.408	12.561
<input type="checkbox"/>	FMF8_4	5,153.490	0.000	0.000	0.000	5,140.064	Not Full	No	-0.393	13.426
<input type="checkbox"/>	FMF8_6	5,146.040	0.000	0.000	0.000	5,130.132	Not Full	No	-0.435	15.908
<input type="checkbox"/>	FMF8_8	5,155.950	0.000	0.000	0.000	5,143.594	Not Full	No	-0.433	12.356
<input type="checkbox"/>	FMF8_9	5,159.460	0.000	0.000	0.000	5,145.026	Not Full	No	-0.340	14.434
<input type="checkbox"/>	FMF9_1	5,189.630	0.000	0.000	0.000	5,172.355	Not Full	No	-0.419	17.275
<input type="checkbox"/>	FMF9_10	5,162.750	0.000	0.000	0.000	5,153.953	Not Full	No	-0.494	8.797
<input type="checkbox"/>	FMF9_11	5,164.610	0.000	0.000	0.000	5,150.556	Not Full	No	-0.471	14.054
<input type="checkbox"/>	FMF9_12	5,162.750	0.000	0.000	0.000	5,148.455	Not Full	No	-0.471	14.295
<input type="checkbox"/>	FMF9_13	5,162.520	0.000	0.000	0.000	5,147.930	Not Full	No	-0.477	14.590
<input type="checkbox"/>	FMF9_15	5,172.560	34,616.147	136,463.830	0.000	5,159.790	Not Full	No	-0.467	12.770
<input type="checkbox"/>	FMF9_22	5,178.510	0.000	0.000	0.000	5,158.052	Not Full	Yes	-0.434	20.458
<input type="checkbox"/>	FMF9_23	5,173.130	0.000	0.000	0.000	5,159.326	Not Full	No	-0.470	13.804
<input type="checkbox"/>	FMF9_3	5,162.290	0.000	0.000	0.000	5,147.347	Not Full	Yes	-0.450	14.943
<input type="checkbox"/>	FMF9_35	5,174.800	0.000	0.000	0.000	5,158.869	Not Full	No	-0.457	15.931
<input type="checkbox"/>	FMF9_9	5,174.730	0.000	0.000	0.000	5,156.452	Not Full	No	-0.475	18.278
<input type="checkbox"/>	GVF1_0	5,069.880	18,999.353	75,997.411	0.000	5,061.176	Not Full	No	-0.520	8.704
<input type="checkbox"/>	GVF1_100	5,086.630	0.000	0.000	0.000	5,074.887	Not Full	No	-0.380	11.743
<input type="checkbox"/>	GVF1_101	5,083.880	0.000	0.000	0.000	5,072.217	Not Full	No	-0.329	11.663
<input type="checkbox"/>	GVF1_102	5,079.520	0.000	0.000	0.000	5,067.935	Not Full	No	-0.321	11.585
<input type="checkbox"/>	GVF1_103	5,078.780	0.000	0.000	0.000	5,067.151	Not Full	No	-0.286	11.629
<input type="checkbox"/>	GVF1_104	5,078.130	0.000	0.000	0.000	5,066.445	Not Full	No	-0.392	11.685
<input type="checkbox"/>	GVF1_105	5,074.200	0.000	0.000	0.000	5,062.398	Not Full	No	-0.418	11.802
<input type="checkbox"/>	GVF1_106	5,071.440	0.000	0.000	0.000	5,059.624	Not Full	No	-0.402	11.816
<input type="checkbox"/>	GVF1_107	5,070.010	0.000	0.000	0.000	5,058.055	Not Full	No	-0.422	11.955
<input type="checkbox"/>	GVF1_108	5,064.570	0.000	0.000	0.000	5,052.803	Not Full	No	-0.374	11.767
<input type="checkbox"/>	GVF1_109	5,062.860	0.000	0.000	0.000	5,050.533	Not Full	No	-0.474	12.327
<input type="checkbox"/>	GVF1_111	5,041.130	0.000	0.000	0.000	5,029.741	Not Full	No	-0.356	11.389
<input type="checkbox"/>	GVF1_113	5,037.460	0.000	0.000	0.000	5,025.780	Not Full	No	-0.297	11.680
<input type="checkbox"/>	GVF1_114	5,036.980	0.000	0.000	0.000	5,025.180	Not Full	No	-0.306	11.800
<input type="checkbox"/>	GVF1_115	5,036.250	0.000	0.000	0.000	5,024.218	Not Full	No	-0.329	12.032
<input type="checkbox"/>	GVF1_116	5,036.640	0.000	0.000	0.000	5,023.373	Not Full	Yes	-0.487	13.267
<input type="checkbox"/>	GVF1_117	5,036.520	60,750.697	230,282.000	0.000	5,022.970	Not Full	No	-0.530	13.550
<input type="checkbox"/>	GVF1_36	5,063.750	0.000	0.000	0.000	5,049.793	Not Full	No	-0.433	13.957
<input type="checkbox"/>	GVF1_37	5,061.780	0.000	0.000	0.000	5,047.668	Not Full	No	-0.419	14.112

FULL BUILDOUT WITH SEPTIC MANHOLE TABLE

	ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
<input type="checkbox"/>	GVF1_40	5,062.570	0.000	0.000	0.000	5,046.656	Not Full	No	-0.431	15.914
<input type="checkbox"/>	GVF1_41	5,060.770	0.000	0.000	0.000	5,045.716	Not Full	No	-0.460	15.054
<input type="checkbox"/>	GVF1_48	5,053.840	0.000	0.000	0.000	5,041.977	Not Full	No	-0.460	11.863
<input type="checkbox"/>	GVF1_50	5,052.490	0.000	0.000	0.000	5,039.648	Not Full	No	-0.469	12.842
<input type="checkbox"/>	GVF1_51	5,052.020	39,599.985	154,684.742	0.000	5,035.165	Not Full	Yes	-0.499	16.855
<input type="checkbox"/>	GVF1_52	5,051.260	0.000	0.000	0.000	5,034.346	Not Full	No	-0.507	16.914
<input type="checkbox"/>	GVF1_53	5,049.200	0.000	0.000	0.000	5,033.829	Not Full	No	-0.535	15.371
<input type="checkbox"/>	GVF1_56	5,047.700	0.000	0.000	0.000	5,033.221	Not Full	Yes	-0.493	14.479
<input type="checkbox"/>	GVF1_57	5,046.840	0.000	0.000	0.000	5,032.840	Not Full	No	-0.493	14.000
<input type="checkbox"/>	GVF1_58	5,044.590	0.000	0.000	0.000	5,032.119	Not Full	No	-0.525	12.471
<input type="checkbox"/>	GVF1_59	5,042.030	0.000	0.000	0.000	5,031.170	Not Full	Yes	-0.514	10.860
<input type="checkbox"/>	GVF1_60	5,038.910	0.000	0.000	0.000	5,030.131	Not Full	No	-0.649	8.779
<input type="checkbox"/>	GVF1_61	5,040.570	0.000	0.000	0.000	5,029.499	Not Full	No	-0.701	11.071
<input type="checkbox"/>	GVF1_78	5,041.100	0.000	0.000	0.000	5,029.022	Not Full	No	-0.628	12.078
<input type="checkbox"/>	GVF1_80	5,041.000	0.000	0.000	0.000	5,028.338	Not Full	No	-0.632	12.662
<input type="checkbox"/>	GVF1_90	5,038.390	0.000	0.000	0.000	5,027.604	Not Full	No	-0.646	10.786
<input type="checkbox"/>	GVF1_91	5,037.800	0.000	0.000	0.000	5,027.234	Not Full	No	-0.786	10.566
<input type="checkbox"/>	GVF1_95	5,106.750	103,750.521	361,019.612	0.000	5,094.322	Not Full	No	-0.364	12.428
<input type="checkbox"/>	GVF1_96	5,104.310	0.000	0.000	0.000	5,092.593	Not Full	No	-0.404	11.717
<input type="checkbox"/>	GVF1_97	5,099.330	0.000	0.000	0.000	5,087.688	Not Full	No	-0.409	11.642
<input type="checkbox"/>	GVF1_98	5,095.600	0.000	0.000	0.000	5,083.563	Not Full	No	-0.434	12.037
<input type="checkbox"/>	GVF1_99	5,090.720	0.000	0.000	0.000	5,078.873	Not Full	No	-0.434	11.847
<input type="checkbox"/>	HWY52_1	5,018.000	93,516.445	330,910.960	0.000	5,004.844	Not Full	No	-0.916	13.156
<input type="checkbox"/>	HWY52_10	4,949.000	16,415.994	65,663.975	0.000	4,936.850	Not Full	No	-0.650	12.150
<input type="checkbox"/>	HWY52_11	4,945.000	118,285.875	403,421.572	0.000	4,933.522	Not Full	No	-0.628	11.478
<input type="checkbox"/>	HWY52_12	4,942.120	0.000	0.000	0.000	4,930.024	Not Full	No	-1.126	12.096
<input type="checkbox"/>	HWY52_2	5,035.250	0.000	0.000	0.000	5,000.119	Not Full	No	-0.991	35.131
<input type="checkbox"/>	HWY52_3	5,025.320	0.000	0.000	0.000	4,998.047	Not Full	No	-1.003	27.273
<input type="checkbox"/>	HWY52_4	5,010.170	0.000	0.000	0.000	4,992.233	Not Full	Yes	-0.917	17.937
<input type="checkbox"/>	HWY52_5	5,002.380	495,303.654	1,343,754.722	0.000	4,981.907	Not Full	No	-1.283	20.473
<input type="checkbox"/>	HWY52_6	4,990.000	0.000	0.000	0.000	4,972.454	Not Full	No	-0.786	17.546
<input type="checkbox"/>	HWY52_7	4,977.000	26,249.750	104,999.000	0.000	4,965.189	Not Full	No	-0.781	11.811
<input type="checkbox"/>	HWY52_8	4,979.360	154,533.542	504,883.739	0.000	4,960.093	Not Full	No	-1.057	19.267
<input type="checkbox"/>	HWY52_9	4,948.500	0.000	0.000	0.000	4,939.683	Not Full	Yes	-0.637	8.817
<input type="checkbox"/>	I25_1	5,220.000	59,018.378	224,899.684	0.000	5,206.734	Not Full	No	-0.433	13.266
<input type="checkbox"/>	I25_10	5,156.010	0.000	0.000	0.000	5,147.737	Not Full	Yes	-0.543	8.273
<input type="checkbox"/>	I25_11	5,154.000	0.000	0.000	0.000	5,146.784	Not Full	No	-0.566	7.216
<input type="checkbox"/>	I25_12	5,155.000	0.000	0.000	0.000	5,145.478	Not Full	No	-0.542	9.522
<input type="checkbox"/>	I25_13	5,155.070	0.000	0.000	0.000	5,145.148	Not Full	No	-0.532	9.922
<input type="checkbox"/>	I25_14	5,157.090	226,265.675	695,774.311	0.000	5,144.907	Not Full	No	-0.363	12.183
<input type="checkbox"/>	I25_15	5,158.050	0.000	0.000	0.000	5,144.506	Not Full	No	-0.364	13.544

FULL BUILDOUT WITH SEPTIC MANHOLE TABLE

	ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
<input type="checkbox"/>	I25_16	5,176.000	0.000	0.000	0.000	5,143.180	Not Full	No	-0.360	32.820
<input type="checkbox"/>	I25_17	5,153.000	164,607.778	532,446.850	0.000	5,140.796	Not Full	No	-1.024	12.204
<input type="checkbox"/>	I25_18	5,120.000	0.000	0.000	0.000	5,106.900	Not Full	No	-1.000	13.100
<input type="checkbox"/>	I25_19	5,101.320	128,851.151	433,268.477	0.000	5,092.897	Not Full	Yes	-0.603	8.423
<input type="checkbox"/>	I25_2	5,192.000	231,396.393	709,077.753	0.000	5,178.886	Not Full	No	-0.281	13.114
<input type="checkbox"/>	I25_20	5,100.300	0.000	0.000	0.000	5,091.218	Not Full	No	-0.602	9.082
<input type="checkbox"/>	I25_21	5,104.180	0.000	0.000	0.000	5,086.411	Not Full	No	-0.739	17.769
<input type="checkbox"/>	I25_22	5,091.630	0.000	0.000	0.000	5,079.381	Not Full	No	-0.899	12.249
<input type="checkbox"/>	I25_23	5,065.480	137,892.908	458,811.439	0.000	5,053.592	Not Full	No	-0.638	11.888
<input type="checkbox"/>	I25_24	5,058.000	0.000	0.000	0.000	5,046.158	Not Full	Yes	-0.742	11.842
<input type="checkbox"/>	I25_25	5,060.930	0.000	0.000	0.000	5,044.986	Not Full	No	-0.744	15.944
<input type="checkbox"/>	I25_26	5,061.820	142,845.066	472,801.286	0.000	5,043.555	Not Full	No	-1.025	18.265
<input type="checkbox"/>	I25_27	5,053.670	0.000	0.000	0.000	5,040.505	Not Full	No	-0.865	13.165
<input type="checkbox"/>	I25_28	5,057.640	0.000	0.000	0.000	5,038.980	Not Full	No	-0.770	18.660
<input type="checkbox"/>	I25_29	5,053.000	144,267.786	476,796.631	0.000	5,037.447	Not Full	No	-1.203	15.553
<input type="checkbox"/>	I25_3	5,183.000	0.000	0.000	0.000	5,169.975	Not Full	Yes	-0.425	13.025
<input type="checkbox"/>	I25_30	5,029.050	117,885.556	402,290.669	0.000	5,019.189	Not Full	Yes	-0.701	9.861
<input type="checkbox"/>	I25_31	5,046.550	0.000	0.000	0.000	5,016.315	Not Full	No	-0.705	30.235
<input type="checkbox"/>	I25_32	5,046.000	0.000	0.000	0.000	5,015.608	Not Full	No	-0.702	30.392
<input type="checkbox"/>	I25_33	5,050.000	0.000	0.000	0.000	5,014.978	Not Full	No	-0.702	35.022
<input type="checkbox"/>	I25_34	5,033.000	0.000	0.000	0.000	5,013.319	Not Full	No	-0.701	19.681
<input type="checkbox"/>	I25_35	5,033.180	0.000	0.000	0.000	5,011.496	Not Full	No	-0.874	21.684
<input type="checkbox"/>	I25_36	5,024.780	0.000	0.000	0.000	5,007.654	Not Full	Yes	-0.736	17.126
<input type="checkbox"/>	I25_4	5,181.940	158,692.260	516,261.993	0.000	5,168.904	Not Full	No	-0.496	13.036
<input type="checkbox"/>	I25_5	5,180.000	0.000	0.000	0.000	5,166.906	Not Full	No	-0.494	13.094
<input type="checkbox"/>	I25_6	5,176.000	0.000	0.000	0.000	5,163.918	Not Full	No	-0.482	12.082
<input type="checkbox"/>	I25_7	5,172.980	0.000	0.000	0.000	5,160.609	Not Full	No	-0.481	12.371
<input type="checkbox"/>	I25_8	5,171.000	0.000	0.000	0.000	5,158.099	Not Full	Yes	-0.551	12.901
<input type="checkbox"/>	I25_9	5,168.930	292,603.570	863,544.350	0.000	5,155.915	Not Full	No	-0.665	13.015
<input type="checkbox"/>	KEF1_1	4,993.140	0.000	0.000	0.000	4,982.466	Not Full	No	-0.584	10.674
<input type="checkbox"/>	KEF1_10	4,994.650	6,000.478	24,001.911	0.000	4,982.856	Not Full	No	-0.894	11.794
<input type="checkbox"/>	KEF1_1A	4,992.460	0.000	0.000	0.000	4,987.630	Not Full	No	-1.000	4.830
<input type="checkbox"/>	KEF1_2	4,992.940	0.000	0.000	0.000	4,982.714	Not Full	No	-0.566	10.226
<input type="checkbox"/>	KEF1_2A	4,993.170	0.000	0.000	0.000	4,986.910	Not Full	No	-1.000	6.260
<input type="checkbox"/>	KEF1_3	4,992.980	0.000	0.000	0.000	4,982.777	Not Full	No	-0.633	10.203
<input type="checkbox"/>	KEF1_3A	4,992.130	0.000	0.000	0.000	4,986.450	Not Full	No	-1.000	5.680
<input type="checkbox"/>	KEF1_4	4,992.310	0.000	0.000	0.000	4,985.750	Not Full	No	-1.000	6.560
<input type="checkbox"/>	KEF1_5	4,991.820	0.000	0.000	0.000	4,985.470	Not Full	No	-1.000	6.350
<input type="checkbox"/>	KEF1_6	4,991.120	0.000	0.000	0.000	4,985.080	Not Full	No	-1.000	6.040
<input type="checkbox"/>	KEF1_7	4,992.280	0.000	0.000	0.000	4,984.100	Not Full	No	-1.000	8.180
<input type="checkbox"/>	KEF1_8	4,992.920	0.000	0.000	0.000	4,983.870	Not Full	No	-1.000	9.050

FULL BUILDOUT WITH SEPTIC MANHOLE TABLE

	ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
<input type="checkbox"/>	KEF1_80	4,993.540	0.000	0.000	0.000	4,982.034	Not Full	No	-0.596	11.506
<input type="checkbox"/>	KEF1_81	4,992.760	0.000	0.000	0.000	4,981.719	Not Full	No	-0.591	11.041
<input type="checkbox"/>	KEF1_82	4,990.810	0.000	0.000	0.000	4,981.017	Not Full	No	-0.563	9.793
<input type="checkbox"/>	KEF1_83	4,989.710	0.000	0.000	0.000	4,980.344	Not Full	No	-0.686	9.366
<input type="checkbox"/>	KEF1_9	4,994.310	0.000	0.000	0.000	4,983.190	Not Full	No	-1.000	11.120
<input type="checkbox"/>	KFF1_10	4,997.270	59,250.218	225,620.011	0.000	4,983.957	Not Full	No	-0.673	13.313
<input type="checkbox"/>	KFF1_11	4,998.630	0.000	0.000	0.000	4,984.070	Not Full	No	-1.000	14.560
<input type="checkbox"/>	KFF1_14	5,000.070	0.000	0.000	0.000	4,984.910	Not Full	No	-1.000	15.160
<input type="checkbox"/>	KFF1_15	5,000.120	0.000	0.000	0.000	4,986.020	Not Full	No	-1.000	14.100
<input type="checkbox"/>	KFF1_16	5,001.010	0.000	0.000	0.000	4,986.750	Not Full	No	-1.000	14.260
<input type="checkbox"/>	KFF1_9	4,995.240	0.000	0.000	0.000	4,983.349	Not Full	No	-0.691	11.891
<input type="checkbox"/>	LCFA_1	5,012.427	0.000	0.000	0.000	4,996.977	Not Full	Yes	-0.973	15.450
<input type="checkbox"/>	LCFA_10	5,023.387	0.000	0.000	0.000	5,010.596	Not Full	No	-0.437	12.791
<input type="checkbox"/>	LCFA_11	5,026.087	0.000	0.000	0.000	5,013.416	Not Full	No	-0.438	12.671
<input type="checkbox"/>	LCFA_12	5,027.167	0.000	0.000	0.000	5,014.423	Not Full	No	-0.421	12.744
<input type="checkbox"/>	LCFA_13	5,028.197	0.000	0.000	0.000	5,015.660	Not Full	No	-0.444	12.537
<input type="checkbox"/>	LCFA_14	5,030.217	0.000	0.000	0.000	5,017.404	Not Full	No	-0.430	12.813
<input type="checkbox"/>	LCFA_15	5,031.377	0.000	0.000	0.000	5,018.732	Not Full	No	-0.432	12.645
<input type="checkbox"/>	LCFA_16	5,033.227	0.000	0.000	0.000	5,020.411	Not Full	No	-0.453	12.816
<input type="checkbox"/>	LCFA_17	5,041.107	48,278.862	186,414.715	0.000	5,029.163	Not Full	No	-0.511	11.944
<input type="checkbox"/>	LCFA_3	5,013.587	0.000	0.000	0.000	5,002.040	Not Full	No	-0.454	11.547
<input type="checkbox"/>	LCFA_4	5,016.087	0.000	0.000	0.000	5,003.272	Not Full	No	-0.291	12.815
<input type="checkbox"/>	LCFA_5	5,016.697	10,500.476	42,001.904	0.000	5,004.665	Not Full	No	-0.298	12.032
<input type="checkbox"/>	LCFA_6	5,018.577	0.000	0.000	0.000	5,005.639	Not Full	Yes	-0.345	12.938
<input type="checkbox"/>	LCFA_7	5,018.577	0.000	0.000	0.000	5,006.612	Not Full	No	-0.372	11.965
<input type="checkbox"/>	LCFA_8	5,019.587	0.000	0.000	0.000	5,007.423	Not Full	No	-0.430	12.164
<input type="checkbox"/>	LCFA_9	5,020.547	0.000	0.000	0.000	5,008.074	Not Full	No	-0.420	12.473
<input type="checkbox"/>	LCFB_1	5,019.517	0.000	0.000	0.000	5,007.246	Not Full	Yes	-0.457	12.271
<input type="checkbox"/>	LCFB_2	5,020.547	0.000	0.000	0.000	5,008.246	Not Full	No	-0.477	12.301
<input type="checkbox"/>	LCFB_3	5,022.307	0.000	0.000	0.000	5,009.981	Not Full	No	-0.482	12.326
<input type="checkbox"/>	LCFB_4	5,023.587	29,750.389	118,674.618	0.000	5,010.916	Not Full	No	-0.488	12.671
<input type="checkbox"/>	NMS_1	5,190.130	0.000	0.000	0.000	5,180.148	Not Full	No	-0.626	9.982
<input type="checkbox"/>	NMS_10	5,211.030	0.000	0.000	0.000	5,203.000	Not Full	No	-0.603	8.030
<input type="checkbox"/>	NMS_11	5,214.550	0.000	0.000	0.000	5,207.301	Not Full	No	-0.502	7.249
<input type="checkbox"/>	NMS_12	5,217.140	0.000	0.000	0.000	5,210.722	Not Full	No	-0.481	6.418
<input type="checkbox"/>	NMS_13	5,223.610	0.000	0.000	0.000	5,214.122	Not Full	No	-0.481	9.488
<input type="checkbox"/>	NMS_14	5,225.100	0.000	0.000	0.000	5,215.212	Not Full	No	-0.492	9.888
<input type="checkbox"/>	NMS_15	5,226.430	0.000	0.000	0.000	5,216.701	Not Full	No	-0.502	9.729
<input type="checkbox"/>	NMS_16	5,233.130	0.000	0.000	0.000	5,219.656	Not Full	No	-0.467	13.474
<input type="checkbox"/>	NMS_17	5,241.740	0.000	0.000	0.000	5,226.415	Not Full	No	-0.558	15.325
<input type="checkbox"/>	NMS_18	5,250.320	0.000	0.000	0.000	5,237.542	Not Full	No	-0.591	12.778

FULL BUILDOUT WITH SEPTIC MANHOLE TABLE

	ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
<input type="checkbox"/>	NMS_19	5,252.800	0.000	0.000	0.000	5,240.968	Not Full	No	-0.585	11.832
<input type="checkbox"/>	NMS_2	5,190.240	0.000	0.000	0.000	5,183.860	Not Full	No	-0.603	6.380
<input type="checkbox"/>	NMS_20	5,251.790	157,499.941	512,999.807	0.000	5,242.232	Not Full	No	-0.502	9.558
<input type="checkbox"/>	NMS_3	5,191.230	0.000	0.000	0.000	5,185.301	Not Full	No	-0.502	5.929
<input type="checkbox"/>	NMS_4	5,195.030	0.000	0.000	0.000	5,188.202	Not Full	No	-0.502	6.828
<input type="checkbox"/>	NMS_5	5,196.680	0.000	0.000	0.000	5,189.998	Not Full	No	-0.586	6.682
<input type="checkbox"/>	NMS_6	5,198.380	0.000	0.000	0.000	5,191.898	Not Full	No	-0.586	6.482
<input type="checkbox"/>	NMS_7	5,200.000	0.000	0.000	0.000	5,193.758	Not Full	No	-0.585	6.242
<input type="checkbox"/>	NMS_8	5,203.910	0.000	0.000	0.000	5,198.041	Not Full	No	-0.502	5.869
<input type="checkbox"/>	NMS_9	5,210.370	0.000	0.000	0.000	5,201.637	Not Full	No	-0.486	8.733
<input type="checkbox"/>	OGF1_1	5,165.050	0.000	0.000	0.000	5,151.065	Not Full	No	-0.833	13.985
<input type="checkbox"/>	OGF1_17	5,150.610	0.000	0.000	0.000	5,138.985	Not Full	No	-0.833	11.625
<input type="checkbox"/>	OGF1_18	5,148.840	0.000	0.000	0.000	5,137.445	Not Full	No	-0.833	11.395
<input type="checkbox"/>	OGF1_2	5,160.050	0.000	0.000	0.000	5,146.865	Not Full	No	-0.833	13.185
<input type="checkbox"/>	OGF1_25	5,148.140	0.000	0.000	0.000	5,136.135	Not Full	No	-0.833	12.005
<input type="checkbox"/>	OGF1_3	5,159.350	0.000	0.000	0.000	5,146.225	Not Full	No	-0.833	13.125
<input type="checkbox"/>	OGF1_4	5,152.800	0.000	0.000	0.000	5,140.735	Not Full	No	-0.833	12.065
<input type="checkbox"/>	OGF1_5	5,150.890	0.000	0.000	0.000	5,139.645	Not Full	No	-0.833	11.245
<input type="checkbox"/>	OGF1_69	5,151.490	0.000	0.000	0.000	5,139.622	Not Full	Yes	-0.566	11.868
<input type="checkbox"/>	OGF1_70	5,150.690	0.000	0.000	0.000	5,138.975	Not Full	No	-0.563	11.715
<input type="checkbox"/>	OGF1_71	5,149.600	0.000	0.000	0.000	5,138.351	Not Full	No	-0.467	11.249
<input type="checkbox"/>	OGF1_72	5,148.590	0.000	0.000	0.000	5,137.874	Not Full	No	-0.605	10.716
<input type="checkbox"/>	OGF1_73	5,149.230	0.000	0.000	0.000	5,137.158	Not Full	Yes	-0.560	12.072
<input type="checkbox"/>	OGF1_74	5,148.230	0.000	0.000	0.000	5,135.953	Not Full	No	-0.605	12.277
<input type="checkbox"/>	OGF1_75	5,148.230	0.000	0.000	0.000	5,135.079	Not Full	No	-0.579	13.151
<input type="checkbox"/>	OGF2_29	5,177.635	0.000	0.000	0.000	5,163.790	Not Full	No	-0.552	13.845
<input type="checkbox"/>	OGF2_31	5,172.695	0.000	0.000	0.000	5,161.282	Not Full	No	-0.570	11.413
<input type="checkbox"/>	OGF2_32	5,167.395	0.000	0.000	0.000	5,155.854	Not Full	No	-0.568	11.541
<input type="checkbox"/>	OGF2_33	5,162.905	0.000	0.000	0.000	5,151.045	Not Full	No	-0.546	11.860
<input type="checkbox"/>	OGF2_34	5,162.905	0.000	0.000	0.000	5,149.335	Not Full	No	-0.547	13.570
<input type="checkbox"/>	OGF2_46	5,158.455	0.000	0.000	0.000	5,146.602	Not Full	No	-0.560	11.853
<input type="checkbox"/>	OGF2_49	5,156.745	0.000	0.000	0.000	5,144.611	Not Full	No	-0.551	12.134
<input type="checkbox"/>	OGF2_50	5,155.135	0.000	0.000	0.000	5,143.304	Not Full	Yes	-0.498	11.831
<input type="checkbox"/>	OGF2_65	5,153.045	49,150.061	189,599.821	0.000	5,142.976	Not Full	No	-0.522	10.069
<input type="checkbox"/>	OGF2_68	5,154.360	0.000	0.000	0.000	5,142.428	Not Full	No	-0.611	11.932
<input type="checkbox"/>	OTF1_101	5,021.153	0.000	0.000	0.000	5,004.293	Not Full	No	-1.000	16.860
<input type="checkbox"/>	OTF1_102	5,011.353	0.000	0.000	0.000	5,003.318	Not Full	No	-0.925	8.035
<input type="checkbox"/>	OTF1_103	5,010.453	0.000	0.000	0.000	5,003.318	Not Full	No	-0.665	7.135
<input type="checkbox"/>	OTF1_108	5,011.000	0.000	0.000	0.000	4,999.146	Not Full	No	-1.187	11.854
<input type="checkbox"/>	OTF1_30	5,023.393	0.000	0.000	0.000	5,016.723	Not Full	No	-0.667	6.670
<input type="checkbox"/>	OTF1_37	5,021.223	0.000	0.000	0.000	5,016.053	Not Full	No	-0.667	5.170

FULL BUILDOUT WITH SEPTIC MANHOLE TABLE

	ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
<input type="checkbox"/>	OTF1_43	5,019.833	64,337.736	241,426.929	0.000	5,014.649	Not Full	No	-0.351	5.184
<input type="checkbox"/>	OTF1_44	5,018.643	0.000	0.000	0.000	5,012.850	Not Full	No	-0.340	5.793
<input type="checkbox"/>	OTF1_46	5,021.543	0.000	0.000	0.000	5,015.263	Not Full	No	-0.833	6.280
<input type="checkbox"/>	OTF1_47	5,021.643	0.000	0.000	0.000	5,015.223	Not Full	No	-0.833	6.420
<input type="checkbox"/>	OTF1_48	5,019.783	0.000	0.000	0.000	5,013.303	Not Full	No	-0.833	6.480
<input type="checkbox"/>	OTF1_60A	5,011.220	0.000	0.000	0.000	4,993.355	Not Full	No	-1.335	17.865
<input type="checkbox"/>	OTF1_61A	5,011.010	0.000	0.000	0.000	4,993.003	Not Full	No	-1.367	18.007
<input type="checkbox"/>	OTF1_62	5,017.723	27,999.349	111,997.398	0.000	5,012.207	Not Full	No	-0.619	5.516
<input type="checkbox"/>	OTF1_64	5,015.763	0.000	0.000	0.000	5,010.972	Not Full	No	-0.625	4.791
<input type="checkbox"/>	OTF1_65	5,016.743	0.000	0.000	0.000	5,011.202	Not Full	No	-0.357	5.541
<input type="checkbox"/>	OTF1_80	5,013.043	0.000	0.000	0.000	5,009.175	Not Full	No	-0.355	3.868
<input type="checkbox"/>	OTF1_82	5,013.773	0.000	0.000	0.000	5,009.655	Not Full	No	-0.622	4.118
<input type="checkbox"/>	OTF1_87	5,013.123	21,850.552	87,402.207	0.000	5,008.534	Not Full	No	-0.562	4.589
<input type="checkbox"/>	OTF1_88	5,027.903	16,699.674	66,798.695	0.000	5,019.137	Not Full	No	-0.553	8.766
<input type="checkbox"/>	OTF1_89	5,022.873	0.000	0.000	0.000	5,017.140	Not Full	Yes	2.360	5.733
<input type="checkbox"/>	OTF1_90	5,023.493	0.000	0.000	0.000	5,016.609	Not Full	No	-0.510	6.884
<input type="checkbox"/>	OTF1_92	5,022.393	0.000	0.000	0.000	5,015.904	Not Full	No	-0.516	6.489
<input type="checkbox"/>	OTF1_93	5,021.323	0.000	0.000	0.000	5,015.787	Not Full	No	-0.532	5.536
<input type="checkbox"/>	OTF1_94	5,017.163	0.000	0.000	0.000	5,012.827	Not Full	No	-0.563	4.336
<input type="checkbox"/>	OTF1_95	5,012.943	29,275.189	116,937.287	0.000	5,008.918	Not Full	Yes	-0.402	4.025
<input type="checkbox"/>	OTF1_96	5,013.243	0.000	0.000	0.000	5,007.341	Not Full	No	-0.772	5.902
<input type="checkbox"/>	OTF1_97	5,012.803	0.000	0.000	0.000	5,006.972	Not Full	No	-0.641	5.831
<input type="checkbox"/>	OTF1_98	5,011.373	0.000	0.000	0.000	5,005.728	Not Full	No	-0.665	5.645
<input type="checkbox"/>	RMF1_114	5,083.790	0.000	0.000	0.000	5,069.171	Not Full	No	-0.719	14.619
<input type="checkbox"/>	RMF1_118	5,074.620	0.000	0.000	0.000	5,060.105	Not Full	No	-0.565	14.515
<input type="checkbox"/>	SCC_01	5,118.460	48,695.022	187,936.195	0.000	5,101.767	Not Full	No	-0.460	16.693
<input type="checkbox"/>	SCC_02	5,113.610	45,550.063	176,438.226	0.000	5,096.644	Not Full	No	-0.549	16.966
<input type="checkbox"/>	SCC_03	5,106.940	0.000	0.000	0.000	5,092.137	Not Full	No	-0.547	14.803
<input type="checkbox"/>	SCC_04	5,111.500	0.000	0.000	0.000	5,090.349	Not Full	No	-0.544	21.151
<input type="checkbox"/>	SCC_05	5,108.930	0.000	0.000	0.000	5,088.751	Not Full	No	-0.543	20.179
<input type="checkbox"/>	SCC_06	5,106.410	0.000	0.000	0.000	5,087.517	Not Full	No	-0.547	18.893
<input type="checkbox"/>	SCC_07	5,102.770	9,999.356	39,997.425	0.000	5,084.597	Not Full	No	-0.723	18.173
<input type="checkbox"/>	SCC_08	5,097.960	0.000	0.000	0.000	5,081.285	Not Full	No	-0.745	16.675
<input type="checkbox"/>	SCC_09	5,094.160	5,699.518	22,798.071	0.000	5,076.850	Not Full	No	-0.730	17.310
<input type="checkbox"/>	SCC_10	5,093.370	0.000	0.000	0.000	5,075.818	Not Full	Yes	-0.662	17.552
<input type="checkbox"/>	SCC_11	5,089.070	0.000	0.000	0.000	5,073.634	Not Full	No	-0.786	15.436
<input type="checkbox"/>	SCC_11A	5,087.810	517,999.485	1,395,342.347	0.000	5,066.004	Not Full	Yes	-0.396	21.806
<input type="checkbox"/>	SCC_12	5,087.290	0.000	0.000	0.000	5,065.513	Not Full	No	-0.397	21.777
<input type="checkbox"/>	SCC_13	5,085.400	0.000	0.000	0.000	5,064.566	Not Full	No	-0.394	20.834
<input type="checkbox"/>	SCC_14	5,081.740	0.000	0.000	0.000	5,063.373	Not Full	No	-0.397	18.367
<input type="checkbox"/>	SCC_15	5,079.780	0.000	0.000	0.000	5,062.174	Not Full	No	-0.396	17.606

FULL BUILDOUT WITH SEPTIC MANHOLE TABLE

	ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
<input type="checkbox"/>	SCC_16	5,077.060	0.000	0.000	0.000	5,060.951	Not Full	No	-0.399	16.109
<input type="checkbox"/>	SCC_17	5,074.870	0.000	0.000	0.000	5,059.723	Not Full	No	-0.397	15.147
<input type="checkbox"/>	SCC_18	5,073.800	0.000	0.000	0.000	5,058.976	Not Full	No	-0.394	14.824
<input type="checkbox"/>	SCC_19	5,072.830	0.000	0.000	0.000	5,057.813	Not Full	No	-0.397	15.017
<input type="checkbox"/>	SCC_20	5,071.610	0.000	0.000	0.000	5,056.783	Not Full	No	-0.397	14.827
<input type="checkbox"/>	SCC_21	5,069.850	0.000	0.000	0.000	5,056.280	Not Full	No	-0.250	13.570
<input type="checkbox"/>	SUN_1	5,117.830	58,999.658	224,841.521	0.000	5,104.343	Not Full	No	-0.463	13.487
<input type="checkbox"/>	SUN_10	5,081.060	0.000	0.000	0.000	5,069.146	Not Full	No	-0.481	11.914
<input type="checkbox"/>	SUN_11	5,071.850	0.000	0.000	0.000	5,059.233	Not Full	No	-0.514	12.617
<input type="checkbox"/>	SUN_12	5,054.840	0.000	0.000	0.000	5,042.364	Not Full	Yes	-0.373	12.476
<input type="checkbox"/>	SUN_13	5,053.120	0.000	0.000	0.000	5,040.454	Not Full	No	-0.432	12.666
<input type="checkbox"/>	SUN_14	5,050.790	0.000	0.000	0.000	5,036.918	Not Full	No	-0.479	13.872
<input type="checkbox"/>	SUN_15	5,035.740	0.000	0.000	0.000	5,029.309	Not Full	Yes	-0.358	6.431
<input type="checkbox"/>	SUN_2	5,109.460	0.000	0.000	0.000	5,097.571	Not Full	No	-0.456	11.889
<input type="checkbox"/>	SUN_3	5,103.540	0.000	0.000	0.000	5,091.689	Not Full	No	-0.417	11.851
<input type="checkbox"/>	SUN_4	5,096.140	0.000	0.000	0.000	5,088.457	Not Full	No	-0.400	7.683
<input type="checkbox"/>	SUN_5	5,099.970	0.000	0.000	0.000	5,087.239	Not Full	Yes	-0.378	12.731
<input type="checkbox"/>	SUN_6	5,104.710	0.000	0.000	0.000	5,085.588	Not Full	No	-0.378	19.122
<input type="checkbox"/>	SUN_7	5,112.510	0.000	0.000	0.000	5,084.339	Not Full	No	-0.378	28.171
<input type="checkbox"/>	SUN_8	5,094.800	0.000	0.000	0.000	5,082.891	Not Full	No	-0.476	11.909
<input type="checkbox"/>	SUN_9	5,087.680	0.000	0.000	0.000	5,076.775	Not Full	No	-0.471	10.905
<input type="checkbox"/>	TOE_2576	5,140.690	0.000	0.000	0.000	5,129.354	Not Full	No	-0.986	11.336
<input type="checkbox"/>	TOE_2577	5,137.370	0.000	0.000	0.000	5,127.454	Not Full	No	-1.106	9.916
<input type="checkbox"/>	TOE_2578	5,132.730	0.000	0.000	0.000	5,123.325	Not Full	No	-1.105	9.405
<input type="checkbox"/>	TOE_2579	5,129.120	0.000	0.000	0.000	5,118.917	Not Full	No	-1.053	10.203
<input type="checkbox"/>	TOE_2580	5,123.350	0.000	0.000	0.000	5,113.226	Not Full	No	-0.964	10.124
<input type="checkbox"/>	TOE_2581	5,125.960	0.000	0.000	0.000	5,111.191	Not Full	No	-0.949	14.769
<input type="checkbox"/>	TOE_2582	5,126.690	0.000	0.000	0.000	5,109.406	Not Full	No	-0.954	17.284
<input type="checkbox"/>	TOE_2583	5,127.830	0.000	0.000	0.000	5,107.537	Not Full	No	-0.923	20.293
<input type="checkbox"/>	TOE_2584	5,127.830	0.000	0.000	0.000	5,105.848	Not Full	No	-0.932	21.982
<input type="checkbox"/>	TOE_2585	5,078.040	0.000	0.000	0.000	5,064.270	Not Full	No	-1.050	13.770
<input type="checkbox"/>	TOE_2586	5,048.720	0.000	0.000	0.000	5,037.128	Not Full	No	-0.992	11.592
<input type="checkbox"/>	TOE_2587	5,051.780	0.000	0.000	0.000	5,035.000	Not Full	No	-1.100	16.780
<input type="checkbox"/>	TOE_2588	5,042.550	0.000	0.000	0.000	5,024.612	Not Full	No	-1.118	17.938
<input type="checkbox"/>	TOE_2589	5,027.940	53,249.740	204,588.246	0.000	5,012.431	Not Full	No	-1.099	15.509
<input type="checkbox"/>	TOE_2590	5,029.380	0.000	0.000	0.000	5,009.454	Not Full	No	-1.186	19.926
<input type="checkbox"/>	TOE_2591	5,026.905	0.000	0.000	0.000	5,008.758	Not Full	Yes	-1.167	18.147
<input type="checkbox"/>	TOE_2592	5,109.510	0.000	0.000	0.000	5,097.701	Not Full	No	-0.436	11.809
<input type="checkbox"/>	TOE_2593	5,110.100	0.000	0.000	0.000	5,097.271	Not Full	No	-0.486	12.829
<input type="checkbox"/>	TOE_2594	5,034.380	0.000	0.000	0.000	5,016.390	Not Full	No	-0.740	17.990
<input type="checkbox"/>	TOE_2595	5,027.210	0.000	0.000	0.000	5,015.609	Not Full	No	-0.671	11.601

FULL BUILDOUT WITH SEPTIC MANHOLE TABLE

	ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
<input type="checkbox"/>	TOE_2596	5,030.630	0.000	0.000	0.000	5,014.831	Not Full	No	-2.079	15.799
<input type="checkbox"/>	TOE_2597	5,029.850	0.000	0.000	0.000	5,014.491	Not Full	No	-2.019	15.359
<input type="checkbox"/>	TOE_2598	5,030.780	0.000	0.000	0.000	5,013.897	Not Full	No	-0.943	16.883
<input type="checkbox"/>	TOE_2609	5,049.595	0.000	0.000	0.000	5,039.753	Not Full	Yes	-0.912	9.842
<input type="checkbox"/>	TOE_2610	5,049.965	0.000	0.000	0.000	5,040.682	Not Full	No	-1.133	9.283
<input type="checkbox"/>	TOE_2612	5,052.325	0.000	0.000	0.000	5,042.836	Not Full	No	-1.139	9.489
<input type="checkbox"/>	TOE_2615	5,011.000	51,746.381	199,091.963	0.000	4,995.144	Not Full	Yes	-0.981	15.856
<input type="checkbox"/>	TOE_2619	5,011.075	0.000	0.000	0.000	4,994.404	Not Full	No	-1.121	16.671
<input type="checkbox"/>	TOE_2620	5,141.225	0.000	0.000	0.000	5,129.382	Not Full	Yes	-0.743	11.843
<input type="checkbox"/>	TOE_2621	5,148.225	0.000	0.000	0.000	5,131.905	Not Full	No	-0.810	16.320
<input type="checkbox"/>	TOE_2622	5,148.225	0.000	0.000	0.000	5,133.818	Not Full	No	-0.757	14.407
<input type="checkbox"/>	TOE_2623	5,158.225	0.000	0.000	0.000	5,144.065	Not Full	No	-0.833	14.160
<input type="checkbox"/>	TOE_2624	5,168.225	0.000	0.000	0.000	5,154.505	Not Full	No	-0.833	13.720
<input type="checkbox"/>	TOE_2625	5,173.225	0.000	0.000	0.000	5,160.575	Not Full	No	-0.833	12.650
<input type="checkbox"/>	TOE_2626	5,185.225	14,250.235	57,000.939	0.000	5,168.595	Not Full	No	-0.577	16.630
<input type="checkbox"/>	TOE_2628	5,083.085	0.000	0.000	0.000	5,068.810	Not Full	Yes	-1.025	14.275
<input type="checkbox"/>	TOE_2629	5,085.095	0.000	0.000	0.000	5,070.472	Not Full	No	-0.803	14.623
<input type="checkbox"/>	TOE_2630	5,088.805	0.000	0.000	0.000	5,074.493	Not Full	Yes	-0.672	14.312
<input type="checkbox"/>	TOE_2631	5,095.275	44,999.983	174,427.134	0.000	5,076.086	Not Full	No	-0.799	19.189
<input type="checkbox"/>	TOE_2635	5,080.000	0.000	0.000	0.000	5,072.240	Not Full	No	-0.833	7.760
<input type="checkbox"/>	TOE_2636	5,085.000	0.000	0.000	0.000	5,071.110	Not Full	No	-0.833	13.890
<input type="checkbox"/>	TOE_2637	5,085.000	0.000	0.000	0.000	5,072.796	Not Full	No	-0.714	12.204
<input type="checkbox"/>	TOE_2638	5,085.000	0.000	0.000	0.000	5,071.672	Not Full	No	-0.668	13.328
<input type="checkbox"/>	TOE_2639	5,085.000	0.000	0.000	0.000	5,070.913	Not Full	No	-0.657	14.087
<input type="checkbox"/>	TOE_2640	5,091.070	0.000	0.000	0.000	5,077.273	Not Full	No	-0.687	13.797
<input type="checkbox"/>	TOE_2646	5,212.890	0.000	0.000	0.000	5,202.610	Not Full	No	-0.266	10.280
<input type="checkbox"/>	TOE_2647	5,214.610	0.000	0.000	0.000	5,204.195	Not Full	Yes	-0.382	10.415
<input type="checkbox"/>	TOE_2648	5,057.225	0.000	0.000	0.000	5,037.374	Not Full	No	-0.561	19.851
<input type="checkbox"/>	TOE_2649	5,058.225	0.000	0.000	0.000	5,038.049	Not Full	No	-0.566	20.176
<input type="checkbox"/>	TOE_2650	5,051.225	32,937.108	130,325.262	0.000	5,035.489	Not Full	No	-0.806	15.736
<input type="checkbox"/>	TOE_2651	5,033.085	0.000	0.000	0.000	5,017.849	Not Full	Yes	-0.576	15.236
<input type="checkbox"/>	TOE_2652	5,031.225	0.000	0.000	0.000	5,017.809	Not Full	No	-0.546	13.416
<input type="checkbox"/>	TOE_2653	5,048.625	0.000	0.000	0.000	5,016.241	Not Full	No	-0.544	32.384
<input type="checkbox"/>	TOE_2654	5,029.225	34,394.387	135,653.075	0.000	5,014.423	Not Full	No	-0.722	14.802
<input type="checkbox"/>	TOE_2655	5,028.225	0.000	0.000	0.000	5,010.396	Not Full	Yes	-0.834	17.829
<input type="checkbox"/>	TOE_2656	5,040.685	0.000	0.000	0.000	5,028.129	Not Full	No	-0.846	12.556
<input type="checkbox"/>	TOE_2657	5,072.520	113,160.917	388,704.998	0.000	5,059.009	Not Full	No	-0.377	13.511
<input type="checkbox"/>	TOE_2659	5,069.950	0.000	0.000	0.000	5,056.143	Not Full	No	-0.373	13.807
<input type="checkbox"/>	TOE_2660	5,063.730	0.000	0.000	0.000	5,051.343	Not Full	No	-0.354	12.387
<input type="checkbox"/>	TOE_2661	5,060.080	0.000	0.000	0.000	5,047.994	Not Full	No	-0.353	12.086
<input type="checkbox"/>	TOE_2662	5,055.000	0.000	0.000	0.000	5,041.470	Not Full	No	-0.765	13.530

FULL BUILDOUT WITH SEPTIC MANHOLE TABLE

	ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
<input type="checkbox"/>	TOE_2663	5,059.350	0.000	0.000	0.000	5,046.871	Not Full	No	-0.375	12.479
<input type="checkbox"/>	TOE_2664	5,051.225	0.000	0.000	0.000	5,039.002	Not Full	Yes	-0.573	12.223
<input type="checkbox"/>	TOE_2673	5,142.740	0.000	0.000	0.000	5,127.339	Not Full	No	-0.534	15.401
<input type="checkbox"/>	TOE_2710	5,188.970	121,000.274	411,089.749	0.000	5,171.869	Not Full	Yes	-0.154	17.101
<input type="checkbox"/>	TOE_2711	5,175.840	0.000	0.000	0.000	5,168.648	Not Full	No	-0.235	7.192
<input type="checkbox"/>	TOE_2712	5,183.520	0.000	0.000	0.000	5,171.253	Not Full	No	0.030	12.267
<input type="checkbox"/>	TOE_2713	5,179.770	0.000	0.000	0.000	5,170.699	Not Full	No	0.006	9.071
<input type="checkbox"/>	TOE_2714	5,179.540	0.000	0.000	0.000	5,170.276	Not Full	No	0.022	9.264
<input type="checkbox"/>	TOE_2715	5,171.960	0.000	0.000	0.000	5,168.053	Not Full	No	0.230	3.907
<input type="checkbox"/>	TOE_2716	5,173.770	0.000	0.000	0.000	5,167.319	Not Full	No	0.036	6.451
<input type="checkbox"/>	TOE_2717	5,171.760	0.000	0.000	0.000	5,166.370	Not Full	No	-0.423	5.390
<input type="checkbox"/>	TOE_2718	5,169.220	0.000	0.000	0.000	5,159.920	Not Full	Yes	-0.163	9.300
<input type="checkbox"/>	TOE_2719	5,171.870	0.000	0.000	0.000	5,157.470	Not Full	No	-0.334	14.400
<input type="checkbox"/>	TOE_2720	5,162.710	0.000	0.000	0.000	5,153.683	Not Full	Yes	-0.160	9.027
<input type="checkbox"/>	TOE_2721	5,160.580	0.000	0.000	0.000	5,151.444	Not Full	No	-0.469	9.136
<input type="checkbox"/>	TOE_2722	5,153.520	0.000	0.000	0.000	5,144.526	Not Full	No	-0.467	8.994
<input type="checkbox"/>	TOE_2723	5,149.910	0.000	0.000	0.000	5,140.833	Not Full	No	-0.480	9.077
<input type="checkbox"/>	TOE_2724	5,137.860	15,124.314	60,497.257	0.000	5,129.349	Not Full	Yes	-0.264	8.511
<input type="checkbox"/>	TOE_2725	5,133.820	0.000	0.000	0.000	5,126.491	Not Full	No	-0.282	7.329
<input type="checkbox"/>	TOE_2726	5,130.690	0.000	0.000	0.000	5,123.114	Not Full	No	-0.460	7.576
<input type="checkbox"/>	TOE_2727	5,121.990	0.000	0.000	0.000	5,112.803	Not Full	No	-0.521	9.187
<input type="checkbox"/>	TOE_2728	5,115.430	0.000	0.000	0.000	5,104.631	Not Full	No	-0.512	10.799
<input type="checkbox"/>	TOE_2729	5,114.600	0.000	0.000	0.000	5,101.930	Not Full	No	-0.453	12.670
<input type="checkbox"/>	TOE_2730	5,107.960	0.000	0.000	0.000	5,095.401	Not Full	No	-0.332	12.559
<input type="checkbox"/>	TOE_2731	5,101.300	0.000	0.000	0.000	5,092.496	Not Full	No	-0.421	8.804
<input type="checkbox"/>	TOE_2732	5,104.000	0.000	0.000	0.000	5,094.355	Not Full	No	-0.332	9.645
<input type="checkbox"/>	TOE_2733	5,112.400	0.000	0.000	0.000	5,095.636	Not Full	Yes	-0.341	16.764
<input type="checkbox"/>	TOE_2734	5,010.600	0.000	0.000	0.000	4,998.538	Not Full	No	-1.487	12.062
<input type="checkbox"/>	TOE_2735	5,014.525	0.000	0.000	0.000	4,999.482	Not Full	No	-1.143	15.043
<input type="checkbox"/>	TOE_2736	5,017.825	0.000	0.000	0.000	5,000.422	Not Full	No	-1.103	17.403
<input type="checkbox"/>	TOE_2737	5,023.625	0.000	0.000	0.000	5,003.196	Not Full	No	-1.129	20.429
<input type="checkbox"/>	TOE_2738	5,023.325	0.000	0.000	0.000	5,004.138	Not Full	No	-0.987	19.187
<input type="checkbox"/>	TOE_2739	5,020.425	0.000	0.000	0.000	5,005.127	Not Full	No	-1.098	15.298
<input type="checkbox"/>	TOE_2740	5,022.425	0.000	0.000	0.000	5,006.169	Not Full	No	-1.056	16.256
<input type="checkbox"/>	TOE_2741	5,025.425	0.000	0.000	0.000	5,007.126	Not Full	No	-0.999	18.299
<input type="checkbox"/>	TOE_2742	5,025.825	0.000	0.000	0.000	5,007.406	Not Full	No	-1.119	18.419
<input type="checkbox"/>	TOE_2743	5,026.525	0.000	0.000	0.000	5,007.947	Not Full	No	-1.278	18.578
<input type="checkbox"/>	TOE_2744	5,029.425	0.000	0.000	0.000	5,010.253	Not Full	Yes	0.228	19.172
<input type="checkbox"/>	TOE_2745	5,028.225	0.000	0.000	0.000	5,010.388	Not Full	No	-0.287	17.837
<input type="checkbox"/>	TOE_2746	5,027.525	0.000	0.000	0.000	5,014.824	Not Full	No	-1.001	12.701
<input type="checkbox"/>	TOE_2747	5,053.435	92,584.765	328,169.958	0.000	5,038.704	Not Full	No	-1.021	14.731

FULL BUILDOUT WITH SEPTIC MANHOLE TABLE

	ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
<input type="checkbox"/>	TOE_2748	5,094.000	0.000	0.000	0.000	5,081.331	Not Full	No	-0.419	12.669
<input type="checkbox"/>	TOE_2749	5,090.550	0.000	0.000	0.000	5,078.111	Not Full	No	-0.389	12.439
<input type="checkbox"/>	TOE_2750	5,087.000	0.000	0.000	0.000	5,074.231	Not Full	No	-0.519	12.769
<input type="checkbox"/>	TOE_2751	5,081.000	0.000	0.000	0.000	5,068.801	Not Full	No	-0.779	12.199
<input type="checkbox"/>	TOE_2752	5,075.220	0.000	0.000	0.000	5,062.994	Not Full	No	-0.726	12.226
<input type="checkbox"/>	TOE_2753	5,069.870	0.000	0.000	0.000	5,058.897	Not Full	No	-0.743	10.973
<input type="checkbox"/>	TOE_2754	5,066.730	0.000	0.000	0.000	5,054.902	Not Full	No	-0.688	11.828
<input type="checkbox"/>	TOE_2755	5,064.690	0.000	0.000	0.000	5,053.749	Not Full	No	-0.721	10.941
<input type="checkbox"/>	TOE_2756	5,059.960	0.000	0.000	0.000	5,047.162	Not Full	No	-0.718	12.798
<input type="checkbox"/>	TOE_2757	5,058.890	0.000	0.000	0.000	5,046.361	Not Full	No	-0.769	12.529
<input type="checkbox"/>	TOE_2758	5,033.130	0.000	0.000	0.000	5,020.097	Not Full	No	-0.693	13.033
<input type="checkbox"/>	TOE_2759	5,062.630	33,805.427	133,499.838	0.000	5,050.646	Not Full	No	-0.724	11.984
<input type="checkbox"/>	TOE_2760	5,053.320	0.000	0.000	0.000	5,039.988	Not Full	No	-0.802	13.332
<input type="checkbox"/>	TOE_2761	5,030.160	0.000	0.000	0.000	5,019.224	Not Full	No	-0.846	10.936
<input type="checkbox"/>	TOE_2762	5,029.520	0.000	0.000	0.000	5,019.119	Not Full	No	-0.701	10.401
<input type="checkbox"/>	TOE_2763	5,031.630	0.000	0.000	0.000	5,017.092	Not Full	No	-0.738	14.538
<input type="checkbox"/>	TOE_2764	5,030.240	0.000	0.000	0.000	5,018.180	Not Full	No	-0.760	12.060
<input type="checkbox"/>	TOE_2765	5,031.520	0.000	0.000	0.000	5,016.213	Not Full	No	-0.637	15.307
<input type="checkbox"/>	TOE_2766	5,029.380	0.000	0.000	0.000	5,015.902	Not Full	No	-0.718	13.478
<input type="checkbox"/>	TOE_2767	5,028.000	0.000	0.000	0.000	5,015.359	Not Full	No	-0.911	12.641
<input type="checkbox"/>	TOE_2768	5,027.030	0.000	0.000	0.000	5,013.392	Not Full	No	-1.038	13.638
<input type="checkbox"/>	TOE_2769	5,021.960	0.000	0.000	0.000	5,009.311	Not Full	No	-0.749	12.649
<input type="checkbox"/>	TOE_2770	5,018.710	0.000	0.000	0.000	5,008.216	Not Full	No	-0.744	10.494
<input type="checkbox"/>	TOE_2771	5,019.010	3,500.639	14,002.555	0.000	5,007.170	Not Full	No	-0.920	11.840
<input type="checkbox"/>	TOE_2772	5,020.000	0.000	0.000	0.000	5,006.762	Not Full	Yes	-0.768	13.238
<input type="checkbox"/>	TOE_2773	5,019.000	0.000	0.000	0.000	5,006.144	Not Full	No	-0.506	12.856
<input type="checkbox"/>	TOE_2774	5,017.000	0.000	0.000	0.000	5,005.998	Not Full	No	0.348	11.002
<input type="checkbox"/>	TOE_2775	5,015.840	0.000	0.000	0.000	5,005.143	Not Full	No	-0.657	10.697
<input type="checkbox"/>	TOE_2776	5,014.980	0.000	0.000	0.000	5,004.504	Not Full	No	-0.536	10.476
<input type="checkbox"/>	TOE_2777	5,012.960	0.000	0.000	0.000	5,003.968	Not Full	No	-0.562	8.992
<input type="checkbox"/>	TOE_2778	5,012.130	0.000	0.000	0.000	5,003.501	Not Full	No	-0.539	8.629
<input type="checkbox"/>	TOE_2779	5,009.900	0.000	0.000	0.000	5,003.339	Not Full	No	-0.241	6.561
<input type="checkbox"/>	TOE_2780	5,011.970	0.000	0.000	0.000	5,003.074	Not Full	No	-0.036	8.896
<input type="checkbox"/>	TOE_2781	5,011.660	0.000	0.000	0.000	5,002.908	Not Full	No	0.108	8.752
<input type="checkbox"/>	TOE_2782	5,011.310	0.000	0.000	0.000	5,002.060	Not Full	No	-0.880	9.250
<input type="checkbox"/>	TOE_2783	5,008.830	0.000	0.000	0.000	5,001.829	Not Full	No	-0.731	7.001
<input type="checkbox"/>	TOE_2784	5,006.790	0.000	0.000	0.000	5,000.726	Not Full	No	-0.824	6.064
<input type="checkbox"/>	TOE_2785	5,012.690	0.000	0.000	0.000	5,000.597	Not Full	No	-0.823	12.093
<input type="checkbox"/>	TOE_2786	5,008.290	92,388.925	327,593.797	0.000	5,001.705	Not Full	No	0.065	6.585
<input type="checkbox"/>	TOE_2787	5,016.850	0.000	0.000	0.000	5,000.302	Not Full	No	0.072	16.548
<input type="checkbox"/>	TOE_2788	5,014.290	0.000	0.000	0.000	5,000.456	Not Full	No	-0.684	13.834

FULL BUILDOUT WITH SEPTIC MANHOLE TABLE

	ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
<input type="checkbox"/>	TOE_2789	5,007.240	0.000	0.000	0.000	4,996.136	Not Full	No	-1.014	11.104
<input type="checkbox"/>	TOE_2790	5,012.380	44,943.823	174,221.813	0.000	4,996.359	Not Full	No	-0.721	16.021
<input type="checkbox"/>	TOE_2791	5,004.080	0.000	0.000	0.000	4,995.705	Not Full	No	-0.995	8.375
<input type="checkbox"/>	TOE_2792	5,003.840	0.000	0.000	0.000	4,995.432	Not Full	No	-1.118	8.408
<input type="checkbox"/>	TOE_2793	5,008.860	0.000	0.000	0.000	4,994.806	Not Full	No	-1.184	14.054
<input type="checkbox"/>	TOE_2794	5,009.670	0.000	0.000	0.000	4,994.251	Not Full	No	-1.069	15.419
<input type="checkbox"/>	TOE_2795	5,011.010	0.000	0.000	0.000	4,993.931	Not Full	No	-0.889	17.079
<input type="checkbox"/>	TOE_2798	5,011.503	65,534.375	245,144.888	0.000	5,000.988	Not Full	Yes	-0.445	10.515
<input type="checkbox"/>	TOE_2799	5,007.780	0.000	0.000	0.000	5,000.231	Not Full	No	-0.855	7.549
<input type="checkbox"/>	TOE_2800	5,010.450	0.000	0.000	0.000	4,992.624	Not Full	No	-2.276	17.826
<input type="checkbox"/>	TOE_2801	5,055.525	0.000	0.000	0.000	5,045.298	Not Full	No	-1.157	10.227
<input type="checkbox"/>	TOE_2802	5,061.985	0.000	0.000	0.000	5,047.250	Not Full	No	-1.015	14.735
<input type="checkbox"/>	TOE_2803	5,065.905	0.000	0.000	0.000	5,048.160	Not Full	No	-0.995	17.745
<input type="checkbox"/>	TOE_2804	5,067.345	0.000	0.000	0.000	5,049.156	Not Full	No	-0.989	18.189
<input type="checkbox"/>	TOE_2805	5,093.920	0.000	0.000	0.000	5,081.845	Not Full	No	-1.065	12.075
<input type="checkbox"/>	TOE_2806	5,098.000	0.000	0.000	0.000	5,085.160	Not Full	No	-1.080	12.840
<input type="checkbox"/>	TOE_2807	5,096.900	0.000	0.000	0.000	5,087.413	Not Full	No	-0.967	9.487
<input type="checkbox"/>	TOE_2808	5,105.750	0.000	0.000	0.000	5,094.804	Not Full	No	-1.076	10.946
<input type="checkbox"/>	TOE_2809	5,152.350	0.000	0.000	0.000	5,134.005	Not Full	No	-0.579	18.345
<input type="checkbox"/>	TOE_2817	5,046.820	0.000	0.000	0.000	5,031.813	Not Full	No	-0.837	15.007
<input type="checkbox"/>	TOE_2818	5,034.360	0.000	0.000	0.000	5,021.105	Not Full	Yes	-0.835	13.255
<input type="checkbox"/>	TOE_2819	5,101.240	0.000	0.000	0.000	5,090.287	Not Full	No	-1.013	10.953
<input type="checkbox"/>	TOE_2825	5,011.300	0.000	0.000	0.000	4,991.657	Not Full	No	-1.843	19.643
<input type="checkbox"/>	TOE_2826	5,010.820	0.000	0.000	0.000	4,991.019	Not Full	Yes	-1.431	19.801
<input type="checkbox"/>	TOE_2827	5,010.790	0.000	0.000	0.000	4,990.334	Not Full	No	-1.706	20.456
<input type="checkbox"/>	TOE_2828	5,009.220	0.000	0.000	0.000	4,989.472	Not Full	No	-1.398	19.748
<input type="checkbox"/>	TOE_2829	5,007.990	0.000	0.000	0.000	4,988.127	Not Full	Yes	-1.693	19.863
<input type="checkbox"/>	TOE_2830	5,007.630	0.000	0.000	0.000	4,987.976	Not Full	No	-1.454	19.654
<input type="checkbox"/>	TOE_2831	5,006.030	0.000	0.000	0.000	4,987.499	Not Full	No	-1.401	18.531
<input type="checkbox"/>	TOE_2832	5,004.210	0.000	0.000	0.000	4,987.095	Not Full	No	-1.615	17.115
<input type="checkbox"/>	TOE_2833	5,004.410	0.000	0.000	0.000	4,986.839	Not Full	No	-1.441	17.571
<input type="checkbox"/>	TOE_2834	5,004.240	0.000	0.000	0.000	4,985.860	Not Full	No	-1.580	18.380
<input type="checkbox"/>	TOE_2835	5,001.480	0.000	0.000	0.000	4,984.875	Not Full	No	-1.525	16.605
<input type="checkbox"/>	TOE_2836	5,000.540	0.000	0.000	0.000	4,983.995	Not Full	No	-1.465	16.545
<input type="checkbox"/>	TOE_2837	5,000.330	0.000	0.000	0.000	4,983.549	Not Full	No	-1.121	16.781
<input type="checkbox"/>	TOE_2838	5,005.660	0.000	0.000	0.000	4,982.379	Not Full	No	-1.401	23.281
<input type="checkbox"/>	TOE_2839	5,002.590	0.000	0.000	0.000	4,982.891	Not Full	No	-1.419	19.699
<input type="checkbox"/>	TOE_2840	5,006.110	0.000	0.000	0.000	4,981.711	Not Full	No	-1.549	24.399
<input type="checkbox"/>	TOE_2841	5,002.460	0.000	0.000	0.000	4,980.859	Not Full	No	-1.751	21.601
<input type="checkbox"/>	TOE_2842	5,002.920	0.000	0.000	0.000	4,979.931	Not Full	Yes	-1.679	22.989
<input type="checkbox"/>	TOE_2843	5,000.380	0.000	0.000	0.000	4,980.454	Not Full	No	-1.916	19.926

FULL BUILDOUT WITH SEPTIC MANHOLE TABLE

	ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
<input type="checkbox"/>	TOE_2844	4,994.190	0.000	0.000	0.000	4,978.507	Not Full	No	-1.813	15.683
<input type="checkbox"/>	TOE_2845	4,993.980	0.000	0.000	0.000	4,978.498	Not Full	Yes	-1.482	15.482
<input type="checkbox"/>	TOE_2846	4,991.150	0.000	0.000	0.000	4,977.950	Not Full	No	-1.550	13.200
<input type="checkbox"/>	TOE_2847	4,990.880	0.000	0.000	0.000	4,977.044	Not Full	No	-1.826	13.836
<input type="checkbox"/>	TOE_2848	4,990.370	0.000	0.000	0.000	4,976.508	Not Full	No	-1.852	13.862
<input type="checkbox"/>	TOE_2849	4,990.000	0.000	0.000	0.000	4,973.931	Not Full	No	-2.049	16.069
<input type="checkbox"/>	TOE_2850	4,988.020	0.000	0.000	0.000	4,969.784	Not Full	No	-2.026	18.236
<input type="checkbox"/>	TOE_2851	4,987.060	0.000	0.000	0.000	4,967.587	Not Full	No	-1.823	19.473
<input type="checkbox"/>	TOE_2852	4,985.500	0.000	0.000	0.000	4,967.301	Not Full	Yes	-1.439	18.199
<input type="checkbox"/>	TOE_2853	4,986.910	0.000	0.000	0.000	4,967.302	Not Full	No	-1.778	19.608
<input type="checkbox"/>	TOE_2854	4,987.460	0.000	0.000	0.000	4,970.109	Not Full	No	-0.641	17.351
<input type="checkbox"/>	TOE_2855	4,986.200	0.000	0.000	0.000	4,971.112	Not Full	No	-0.568	15.088
<input type="checkbox"/>	TOE_2856	4,988.050	0.000	0.000	0.000	4,971.871	Not Full	No	-0.609	16.179
<input type="checkbox"/>	TOE_2857	4,987.820	0.000	0.000	0.000	4,972.235	Not Full	Yes	-0.615	15.585
<input type="checkbox"/>	TOE_2858	4,988.840	0.000	0.000	0.000	4,975.907	Not Full	No	-0.723	12.933
<input type="checkbox"/>	TOE_2859	4,989.490	0.000	0.000	0.000	4,977.896	Not Full	Yes	-0.654	11.594
<input type="checkbox"/>	TOE_2860	4,985.430	0.000	0.000	0.000	4,966.536	Not Full	No	-1.384	18.894
<input type="checkbox"/>	TOE_2861	4,983.250	0.000	0.000	0.000	4,965.513	Not Full	No	-1.667	17.737
<input type="checkbox"/>	TOE_2862	4,982.380	0.000	0.000	0.000	4,965.482	Not Full	Yes	-1.228	16.898
<input type="checkbox"/>	TOE_2863	4,982.420	0.000	0.000	0.000	4,964.839	Not Full	No	-1.571	17.581
<input type="checkbox"/>	TOE_2864	4,980.720	0.000	0.000	0.000	4,964.016	Not Full	No	-1.694	16.704
<input type="checkbox"/>	TOE_2865	4,981.960	0.000	0.000	0.000	4,963.815	Not Full	No	-1.395	18.145
<input type="checkbox"/>	TOE_2866	4,982.300	0.000	0.000	0.000	4,963.273	Not Full	No	-1.397	19.027
<input type="checkbox"/>	TOE_2867	4,984.250	29,000.149	115,931.741	0.000	4,962.408	Not Full	No	-1.692	21.842
<input type="checkbox"/>	TOE_2868	4,980.960	0.000	0.000	0.000	4,961.319	Not Full	No	-1.471	19.641
<input type="checkbox"/>	TOE_2869	4,978.450	0.000	0.000	0.000	4,960.471	Not Full	No	-1.419	17.979
<input type="checkbox"/>	TOE_2870	4,976.690	0.000	0.000	0.000	4,959.660	Not Full	No	-1.440	17.030
<input type="checkbox"/>	TOE_2871	4,974.820	0.000	0.000	0.000	4,958.827	Not Full	No	-1.383	15.993
<input type="checkbox"/>	TOE_2872	4,973.300	0.000	0.000	0.000	4,957.977	Not Full	No	-1.503	15.323
<input type="checkbox"/>	TOE_2873	4,970.750	0.000	0.000	0.000	4,957.363	Not Full	No	-1.277	13.387
<input type="checkbox"/>	TOE_2874	4,969.570	0.000	0.000	0.000	4,956.960	Not Full	No	-1.490	12.610
<input type="checkbox"/>	TOE_2875	4,967.820	0.000	0.000	0.000	4,956.527	Not Full	No	-1.563	11.293
<input type="checkbox"/>	TOE_2876	4,970.850	0.000	0.000	0.000	4,956.186	Not Full	No	-1.504	14.664
<input type="checkbox"/>	TOE_2877	4,969.020	0.000	0.000	0.000	4,955.555	Not Full	No	-1.385	13.465
<input type="checkbox"/>	TOE_2878	4,975.470	0.000	0.000	0.000	4,954.877	Not Full	No	-1.433	20.593
<input type="checkbox"/>	TOE_2879	4,993.130	0.000	0.000	0.000	4,954.163	Not Full	No	-1.377	38.967
<input type="checkbox"/>	TOE_2880	4,992.470	0.000	0.000	0.000	4,953.730	Not Full	No	-1.670	38.740
<input type="checkbox"/>	TOE_2881	4,986.390	0.000	0.000	0.000	4,953.351	Not Full	No	-1.369	33.039
<input type="checkbox"/>	TOE_2882	4,983.690	80,500.290	291,643.984	0.000	4,952.908	Not Full	No	-1.412	30.782
<input type="checkbox"/>	TOE_2883	4,977.290	0.000	0.000	0.000	4,952.518	Not Full	No	-1.452	24.772
<input type="checkbox"/>	TOE_2884	4,973.860	0.000	0.000	0.000	4,951.626	Not Full	No	-1.434	22.234

FULL BUILDOUT WITH SEPTIC MANHOLE TABLE

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<input type="checkbox"/>	TOE_2885	4,966.950	0.000	0.000	0.000	4,950.693	Not Full	No	-1.557	16.257
<input type="checkbox"/>	TOE_2886	4,962.980	0.000	0.000	0.000	4,949.931	Not Full	Yes	-1.449	13.049
<input type="checkbox"/>	TOE_2887	4,963.360	0.000	0.000	0.000	4,949.222	Not Full	No	-1.558	14.138
<input type="checkbox"/>	TOE_2888	4,965.190	0.000	0.000	0.000	4,948.444	Not Full	No	-1.116	16.746
<input type="checkbox"/>	TOE_2889	4,956.350	45,236.143	175,290.535	0.000	4,941.155	Not Full	No	-1.615	15.195
<input type="checkbox"/>	TOE_2890	4,957.260	0.000	0.000	0.000	4,940.784	Not Full	No	-1.576	16.476
<input type="checkbox"/>	TOE_2891	4,956.430	0.000	0.000	0.000	4,939.549	Not Full	No	-1.791	16.881
<input type="checkbox"/>	TOE_2892	4,952.720	0.000	0.000	0.000	4,939.543	Not Full	Yes	-1.267	13.177
<input type="checkbox"/>	TOE_2893	4,951.610	0.000	0.000	0.000	4,938.577	Not Full	No	-1.483	13.033
<input type="checkbox"/>	TOE_2894	4,950.110	0.000	0.000	0.000	4,937.659	Not Full	No	-1.401	12.451
<input type="checkbox"/>	TOE_2895	4,948.680	0.000	0.000	0.000	4,936.648	Not Full	No	-1.422	12.032
<input type="checkbox"/>	TOE_2896	4,945.630	0.000	0.000	0.000	4,935.908	Not Full	No	-1.272	9.722
<input type="checkbox"/>	TOE_2897	4,944.050	0.000	0.000	0.000	4,934.686	Not Full	No	-1.784	9.364
<input type="checkbox"/>	TOE_2898	4,942.250	0.000	0.000	0.000	4,932.978	Not Full	Yes	-1.332	9.272
<input type="checkbox"/>	TOE_2899	4,941.010	0.000	0.000	0.000	4,932.121	Not Full	No	-1.479	8.889
<input type="checkbox"/>	TOE_2900	4,939.280	0.000	0.000	0.000	4,931.129	Not Full	No	-1.611	8.151
<input type="checkbox"/>	TOE_2901	4,939.080	0.000	0.000	0.000	4,931.043	Not Full	No	-1.487	8.037
<input type="checkbox"/>	TOE_2902	4,941.290	0.000	0.000	0.000	4,930.287	Not Full	No	-1.423	11.003
<input type="checkbox"/>	TOE_2903	4,936.850	0.000	0.000	0.000	4,929.344	Not Full	No	-1.346	7.506
<input type="checkbox"/>	TOE_2904	4,934.060	147,057.065	484,428.098	0.000	4,929.264	Not Full	No	-0.606	4.796
<input type="checkbox"/>	TOE_2905	5,019.625	0.000	0.000	0.000	5,002.211	Not Full	No	-0.814	17.414
<input type="checkbox"/>	TOE_2906	5,019.725	0.000	0.000	0.000	5,001.340	Not Full	No	-1.085	18.385
<input type="checkbox"/>	TOE_2914	5,023.740	0.000	0.000	0.000	5,009.935	Not Full	Yes	-0.745	13.805
<input type="checkbox"/>	TOE_2915	5,115.200	0.000	0.000	0.000	5,100.410	Not Full	No	-0.457	14.790
<input type="checkbox"/>	TOE_2916	5,116.100	0.000	0.000	0.000	5,103.372	Not Full	No	-0.495	12.728
<input type="checkbox"/>	TOE_2917	5,127.100	55,624.299	213,269.634	0.000	5,116.967	Not Full	No	-0.500	10.133
<input type="checkbox"/>	TOE_2920	4,988.020	0.000	0.000	0.000	4,970.457	Not Full	No	-2.033	17.563
<input type="checkbox"/>	TOE_2921	5,009.220	0.000	0.000	0.000	4,988.785	Not Full	No	-1.745	20.435
<input type="checkbox"/>	TOE_2941	5,101.560	0.000	0.000	0.000	5,083.584	Not Full	No	-0.716	17.976
<input type="checkbox"/>	TOE_2942	5,095.220	0.000	0.000	0.000	5,079.759	Not Full	No	-0.771	15.461
<input type="checkbox"/>	TOE_2943	5,086.380	0.000	0.000	0.000	5,070.413	Not Full	No	-0.767	15.967
<input type="checkbox"/>	TOE_2944	5,080.970	199,884.885	627,001.355	0.000	5,057.830	Not Full	Yes	-0.690	23.140
<input type="checkbox"/>	TOE_2945	5,071.410	0.000	0.000	0.000	5,057.338	Not Full	No	-0.582	14.072
<input type="checkbox"/>	TOE_2946	5,070.940	0.000	0.000	0.000	5,056.648	Not Full	No	-0.632	14.292
<input type="checkbox"/>	TOE_2947	5,070.110	0.000	0.000	0.000	5,056.250	Not Full	No	-0.460	13.860
<input type="checkbox"/>	TOE_2948	5,070.560	22,499.992	89,999.966	0.000	5,056.148	Not Full	No	-0.312	14.412
<input type="checkbox"/>	TOE_2949	5,067.830	0.000	0.000	0.000	5,055.534	Not Full	No	-0.436	12.296
<input type="checkbox"/>	TOE_2950	4,930.000	0.000	0.000	0.000	4,928.468	Not Full	No	-0.662	1.532
<input type="checkbox"/>	TOE_2951	4,934.060	0.000	0.000	0.000	4,929.161	Not Full	No	-0.589	4.899
<input type="checkbox"/>	TOE_2960	5,099.000	0.000	0.000	0.000	5,087.472	Not Full	No	-0.488	11.528
<input type="checkbox"/>	TOE_2962	5,098.360	0.000	0.000	0.000	5,088.352	Not Full	Yes	0.012	10.008

FULL BUILDOUT WITH SEPTIC MANHOLE TABLE

	ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
<input type="checkbox"/>	TOE_2964	5,098.200	19,787.033	79,148.130	0.000	5,087.481	Not Full	No	-0.719	10.719
<input type="checkbox"/>	TOE_2965	5,099.700	0.000	0.000	0.000	5,088.910	Not Full	Yes	-0.590	10.790
<input type="checkbox"/>	TOE_2966	5,104.500	0.000	0.000	0.000	5,096.054	Not Full	No	-0.746	8.446
<input type="checkbox"/>	TOE_2967	5,109.100	0.000	0.000	0.000	5,098.203	Not Full	Yes	-0.597	10.897
<input type="checkbox"/>	TOE_2968	5,110.300	0.000	0.000	0.000	5,100.083	Not Full	No	-0.717	10.217
<input type="checkbox"/>	TOE_2969	5,111.800	0.000	0.000	0.000	5,099.164	Not Full	No	-0.636	12.636
<input type="checkbox"/>	TOE_2970	5,116.500	51,750.701	199,107.757	0.000	5,103.830	Not Full	No	-0.570	12.670
<input type="checkbox"/>	TOE_2971	5,115.900	0.000	0.000	0.000	5,102.603	Not Full	No	-0.597	13.297
<input type="checkbox"/>	TOE_2972	5,117.400	0.000	0.000	0.000	5,101.278	Not Full	No	-0.622	16.122
<input type="checkbox"/>	TOE_2973	5,120.000	0.000	0.000	0.000	5,105.873	Not Full	No	-0.627	14.127
<input type="checkbox"/>	TOE_2977	5,105.640	13,249.435	52,997.740	0.000	5,099.334	Not Full	No	-0.483	6.306
<input type="checkbox"/>	TOE_2978	5,133.570	29,250.709	116,847.788	0.000	5,112.733	Not Full	No	-0.987	20.837
<input type="checkbox"/>	TOE_2979	5,125.960	0.000	0.000	0.000	5,110.809	Not Full	No	-0.951	15.151
<input type="checkbox"/>	TOE_2980	5,135.280	0.000	0.000	0.000	5,109.300	Not Full	Yes	-0.940	25.980
<input type="checkbox"/>	TOE_2981	5,129.120	0.000	0.000	0.000	5,118.091	Not Full	No	-1.053	11.029
<input type="checkbox"/>	TOE_2982	5,156.250	0.000	0.000	0.000	5,134.500	Not Full	No	-1.500	21.750
<input type="checkbox"/>	TOE_2983	5,156.910	500,421.412	1,355,387.386	0.000	5,133.789	Not Full	No	-1.171	23.121
<input type="checkbox"/>	TOE_2984	5,083.315	0.000	0.000	0.000	5,073.524	Not Full	No	-0.861	9.791
<input type="checkbox"/>	TOE_2985	5,135.145	0.000	0.000	0.000	5,119.075	Not Full	No	-0.690	16.070
<input type="checkbox"/>	TOE_2986	5,135.995	37,500.466	147,008.900	0.000	5,119.343	Not Full	No	-0.712	16.652
<input type="checkbox"/>	TOE_2987	5,143.225	0.000	0.000	0.000	5,124.316	Not Full	Yes	-0.699	18.909
<input type="checkbox"/>	TOE_2988	5,151.225	0.000	0.000	0.000	5,126.278	Not Full	No	-0.707	24.947
<input type="checkbox"/>	TOE_2989	5,151.225	27,999.349	111,997.398	0.000	5,128.336	Not Full	No	-0.709	22.889
<input type="checkbox"/>	TOE_2990	5,127.040	0.000	0.000	0.000	5,116.776	Not Full	No	-0.431	10.264
<input type="checkbox"/>	TOE_2991	5,143.225	0.000	0.000	0.000	5,122.364	Not Full	No	-0.721	20.861
<input type="checkbox"/>	TOE_2992	5,107.670	0.000	0.000	0.000	5,092.256	Not Full	No	-0.348	15.414
<input type="checkbox"/>	TOE_2994	5,011.000	0.000	0.000	0.000	4,993.204	Not Full	No	-1.866	17.796
<input type="checkbox"/>	TOE_2997	5,102.000	0.000	0.000	0.000	5,087.081	Not Full	No	-0.452	14.919
<input type="checkbox"/>	TOE_3003	5,171.230	0.000	0.000	0.000	5,155.175	Not Full	No	-0.833	16.055
<input type="checkbox"/>	TOE_3005	5,011.000	0.000	0.000	0.000	4,993.016	Not Full	No	-2.254	17.984
<input type="checkbox"/>	VPF1_1	5,067.160	0.000	0.000	0.000	5,054.818	Not Full	No	-0.542	12.342
<input type="checkbox"/>	VPF1_103	5,067.570	0.000	0.000	0.000	5,052.766	Not Full	No	-0.884	14.804
<input type="checkbox"/>	VPF1_11	5,075.480	0.000	0.000	0.000	5,064.513	Not Full	No	-1.237	10.967
<input type="checkbox"/>	VPF1_12	5,071.900	0.000	0.000	0.000	5,060.983	Not Full	No	-1.167	10.917
<input type="checkbox"/>	VPF1_126	5,074.140	0.000	0.000	0.000	5,055.890	Not Full	No	-0.667	18.250
<input type="checkbox"/>	VPF1_127	5,066.000	0.000	0.000	0.000	5,051.180	Not Full	No	-0.667	14.820
<input type="checkbox"/>	VPF1_128	5,059.140	0.000	0.000	0.000	5,046.440	Not Full	No	-0.667	12.700
<input type="checkbox"/>	VPF1_129	5,058.660	20,999.512	83,998.048	0.000	5,045.548	Not Full	No	-0.528	13.112
<input type="checkbox"/>	VPF1_13	5,078.400	0.000	0.000	0.000	5,059.087	Not Full	No	-1.263	19.313
<input type="checkbox"/>	VPF1_130	5,056.230	0.000	0.000	0.000	5,043.799	Not Full	No	-0.567	12.431
<input type="checkbox"/>	VPF1_14	5,069.300	0.000	0.000	0.000	5,055.210	Not Full	Yes	-0.840	14.090

FULL BUILDOUT WITH SEPTIC MANHOLE TABLE

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<input type="checkbox"/>	VPF1_15	5,069.300	0.000	0.000	0.000	5,054.759	Not Full	No	-0.891	14.541
<input type="checkbox"/>	VPF1_15A	5,064.530	40,750.545	158,891.188	0.000	5,051.224	Not Full	Yes	-0.826	13.306
<input type="checkbox"/>	VPF1_16	5,062.560	0.000	0.000	0.000	5,049.457	Not Full	No	-1.443	13.103
<input type="checkbox"/>	VPF1_17	5,058.600	0.000	0.000	0.000	5,038.280	Not Full	Yes	-0.870	20.320
<input type="checkbox"/>	VPF1_18A	5,058.100	0.000	0.000	0.000	5,037.188	Not Full	No	-0.962	20.912
<input type="checkbox"/>	VPF1_19A	5,056.800	0.000	0.000	0.000	5,036.224	Not Full	No	-0.956	20.576
<input type="checkbox"/>	VPF1_20A	5,054.500	0.000	0.000	0.000	5,035.106	Not Full	No	-0.934	19.394
<input type="checkbox"/>	VPF1_21A	5,054.700	0.000	0.000	0.000	5,033.968	Not Full	No	-1.162	20.732
<input type="checkbox"/>	VPF1_32A	5,080.000	19,324.793	77,299.171	0.000	5,066.643	Not Full	No	-1.307	13.357
<input type="checkbox"/>	VPF1_58	5,067.590	20,750.392	83,001.569	0.000	5,054.354	Not Full	No	-0.596	13.236
<input type="checkbox"/>	VPF1_7	5,085.770	0.000	0.000	0.000	5,075.252	Not Full	No	-0.998	10.518
<input type="checkbox"/>	VPF1_718	5,092.100	64,215.336	241,046.633	0.000	5,079.113	Not Full	No	-0.987	12.987
<input type="checkbox"/>	VPF1_8	5,082.650	0.000	0.000	0.000	5,071.907	Not Full	No	-0.853	10.743
<input type="checkbox"/>	VPFE_10A	5,083.640	0.000	0.000	0.000	5,069.767	Not Full	No	-0.933	13.873
<input type="checkbox"/>	VPFE_717	5,098.830	0.000	0.000	0.000	5,085.420	Not Full	No	-0.543	13.410
<input type="checkbox"/>	VRF1D_702	5,136.180	0.000	0.000	0.000	5,123.221	Not Full	No	-0.593	12.959
<input type="checkbox"/>	VRF1D_703	5,125.680	0.000	0.000	0.000	5,113.602	Not Full	No	-0.562	12.078
<input type="checkbox"/>	VRF1D_704	5,119.340	0.000	0.000	0.000	5,107.263	Not Full	No	-0.560	12.077
<input type="checkbox"/>	VRF1D_705	5,116.570	0.000	0.000	0.000	5,104.440	Not Full	No	-0.563	12.130
<input type="checkbox"/>	VRF1D_707	5,113.290	0.000	0.000	0.000	5,101.325	Not Full	No	-0.549	11.965
<input type="checkbox"/>	VRF1D_708	5,111.140	0.000	0.000	0.000	5,099.285	Not Full	No	-0.488	11.855
<input type="checkbox"/>	VRF1D_709	5,108.490	0.000	0.000	0.000	5,098.103	Not Full	Yes	-0.421	10.387
<input type="checkbox"/>	VRF1D_710	5,110.890	0.000	0.000	0.000	5,097.502	Not Full	No	-0.422	13.388
<input type="checkbox"/>	VRF1D_711	5,115.620	0.000	0.000	0.000	5,096.622	Not Full	No	-0.431	18.998
<input type="checkbox"/>	VRF1D_712	5,119.540	0.000	0.000	0.000	5,095.810	Not Full	No	-0.413	23.730
<input type="checkbox"/>	VRF1D_713	5,116.910	0.000	0.000	0.000	5,095.059	Not Full	No	-0.414	21.851
<input type="checkbox"/>	VRF1D_714	5,112.260	0.000	0.000	0.000	5,094.126	Not Full	No	-0.468	18.134
<input type="checkbox"/>	VRF1D_715	5,110.280	0.000	0.000	0.000	5,092.861	Not Full	No	-0.552	17.419
<input type="checkbox"/>	VRF1D_716	5,102.500	42,500.144	165,287.723	0.000	5,088.967	Not Full	No	-0.467	13.533
<input type="checkbox"/>	VRF1G_186	5,145.220	0.000	0.000	0.000	5,136.100	Not Full	No	-0.553	9.120
<input type="checkbox"/>	VRF1G_188	5,141.220	0.000	0.000	0.000	5,128.683	Not Full	No	-0.471	12.537
<input type="checkbox"/>	VRF1G_204	5,146.770	0.000	0.000	0.000	5,127.037	Not Full	Yes	-0.623	19.733
<input type="checkbox"/>	VRF1G_205	5,137.330	0.000	0.000	0.000	5,125.812	Not Full	No	-0.618	11.518
<input type="checkbox"/>	VRGC1_698	5,157.760	163,450.018	529,279.220	0.000	5,137.680	Not Full	No	-0.514	20.080
<input type="checkbox"/>	VRGC1_699	5,153.370	0.000	0.000	0.000	5,134.955	Not Full	No	-0.548	18.415
<input type="checkbox"/>	VRGC2_206	5,137.400	0.000	0.000	0.000	5,124.561	Not Full	No	-0.739	12.839
<input type="checkbox"/>	VRGC2_526	5,142.130	0.000	0.000	0.000	5,131.838	Not Full	No	-0.692	10.292
<input type="checkbox"/>	VRGC2_527	5,138.210	72,750.213	267,564.495	0.000	5,127.221	Not Full	No	-0.689	10.989
<input type="checkbox"/>	VRGC2_543	5,134.310	0.000	0.000	0.000	5,119.101	Not Full	Yes	-0.499	15.209
<input type="checkbox"/>	VRGC2_544	5,125.790	0.000	0.000	0.000	5,117.244	Not Full	No	-0.546	8.546
<input type="checkbox"/>	VRGC2_545	5,121.520	0.000	0.000	0.000	5,111.960	Not Full	Yes	-0.710	9.560

FULL BUILDOUT WITH SEPTIC MANHOLE TABLE

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<input type="checkbox"/>	VRGC2_580	5,120.220	0.000	0.000	0.000	5,110.429	Not Full	No	-0.741	9.791
<input type="checkbox"/>	VRGC2_581	5,123.750	0.000	0.000	0.000	5,108.921	Not Full	No	-0.779	14.829
<input type="checkbox"/>	VRGC2_582	5,116.400	69,000.454	255,913.995	0.000	5,107.193	Not Full	No	-0.787	9.207
<input type="checkbox"/>	VRGC2_583	5,116.440	0.000	0.000	0.000	5,104.437	Not Full	No	-1.163	12.003
<input type="checkbox"/>	VRGC4_365	5,191.820	163,750.978	530,102.646	0.000	5,179.383	Not Full	No	-0.410	12.437
<input type="checkbox"/>	VRGC4_366	5,189.850	0.000	0.000	0.000	5,178.019	Not Full	No	-0.464	11.831
<input type="checkbox"/>	VRGC4_389	5,191.830	0.000	0.000	0.000	5,176.807	Not Full	No	-0.456	15.023
<input type="checkbox"/>	VRGC4_415	5,189.660	0.000	0.000	0.000	5,175.396	Not Full	Yes	-0.398	14.264
<input type="checkbox"/>	VRGC4_416	5,192.130	0.000	0.000	0.000	5,173.517	Not Full	No	-0.446	18.613
<input type="checkbox"/>	VRGC4_417	5,183.930	0.000	0.000	0.000	5,170.992	Not Full	No	-0.622	12.938
<input type="checkbox"/>	VRGC4_418	5,153.010	23,474.871	93,899.485	0.000	5,147.090	Not Full	No	-0.453	5.920
<input type="checkbox"/>	VRGC4_419	5,150.600	0.000	0.000	0.000	5,143.511	Not Full	No	-0.522	7.089
<input type="checkbox"/>	VRGC4_420	5,150.350	0.000	0.000	0.000	5,140.059	Not Full	No	-0.525	10.291
<input type="checkbox"/>	VRGC6_183	5,175.770	158,274.660	515,119.440	0.000	5,146.523	Not Full	No	-0.450	29.247
<input type="checkbox"/>	VRGC6_184	5,155.730	0.000	0.000	0.000	5,145.132	Not Full	No	-0.531	10.598
<input type="checkbox"/>	VRGC6_185	5,152.370	0.000	0.000	0.000	5,140.335	Not Full	No	-0.569	12.035
<input type="checkbox"/>	WCR10	5,106.000	202,023.284	632,671.368	0.000	5,094.368	Not Full	No	-0.299	11.632
<input type="checkbox"/>	WCR3-I_3	5,066.070	0.000	0.000	0.000	5,052.872	Not Full	No	-0.828	13.198
<input type="checkbox"/>	WCR3_100	5,023.010	0.000	0.000	0.000	5,015.616	Not Full	No	-0.914	7.394
<input type="checkbox"/>	WCR3_100A	5,026.060	0.000	0.000	0.000	5,017.485	Not Full	No	-0.785	8.575
<input type="checkbox"/>	WCR3_100B	5,027.500	0.000	0.000	0.000	5,019.276	Not Full	No	-0.784	8.224
<input type="checkbox"/>	WCR3_101	5,028.990	0.000	0.000	0.000	5,021.066	Not Full	No	-0.784	7.924
<input type="checkbox"/>	WCR3_102	5,029.520	0.000	0.000	0.000	5,022.209	Not Full	No	-0.791	7.311
<input type="checkbox"/>	WCR3_103	5,030.990	0.000	0.000	0.000	5,024.595	Not Full	No	-0.855	6.395
<input type="checkbox"/>	WCR3_11A	5,068.180	0.000	0.000	0.000	5,055.846	Not Full	Yes	-0.804	12.334
<input type="checkbox"/>	WCR3_184	5,094.790	39,958.545	155,995.637	0.000	5,082.689	Not Full	No	-0.645	12.101
<input type="checkbox"/>	WCR3_80	4,964.020	6,999.837	27,999.349	0.000	4,951.388	Not Full	No	-0.862	12.632
<input type="checkbox"/>	WCR3_81	4,964.350	0.000	0.000	0.000	4,953.425	Not Full	No	-0.905	10.925
<input type="checkbox"/>	WCR3_82	4,964.780	0.000	0.000	0.000	4,954.299	Not Full	No	-0.671	10.481
<input type="checkbox"/>	WCR3_83	4,967.250	0.000	0.000	0.000	4,957.208	Not Full	No	-0.672	10.042
<input type="checkbox"/>	WCR3_84	4,968.740	0.000	0.000	0.000	4,958.868	Not Full	No	-0.672	9.872
<input type="checkbox"/>	WCR3_85	4,974.200	0.000	0.000	0.000	4,962.832	Not Full	No	-0.708	11.368
<input type="checkbox"/>	WCR3_86	4,976.960	0.000	0.000	0.000	4,965.616	Not Full	No	-0.674	11.344
<input type="checkbox"/>	WCR3_86A	4,989.610	0.000	0.000	0.000	4,973.655	Not Full	No	-0.745	15.955
<input type="checkbox"/>	WCR3_86B	4,983.490	48,250.062	186,309.422	0.000	4,970.617	Not Full	No	-0.723	12.873
<input type="checkbox"/>	WCR3_86C	4,983.460	0.000	0.000	0.000	4,967.673	Not Full	No	-0.737	15.787
<input type="checkbox"/>	WCR3_87	4,990.560	0.000	0.000	0.000	4,976.177	Not Full	No	-0.743	14.383
<input type="checkbox"/>	WCR3_88	4,994.080	0.000	0.000	0.000	4,978.318	Not Full	No	-0.742	15.762
<input type="checkbox"/>	WCR3_89	4,988.470	0.000	0.000	0.000	4,981.108	Not Full	No	-0.742	7.362
<input type="checkbox"/>	WCR3_90	5,000.230	0.000	0.000	0.000	4,985.168	Not Full	No	-0.812	15.062
<input type="checkbox"/>	WCR3_91	4,999.540	0.000	0.000	0.000	4,987.016	Not Full	No	-0.694	12.524

FULL BUILDOUT WITH SEPTIC MANHOLE TABLE

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<input type="checkbox"/>	WCR3_92	4,999.290	0.000	0.000	0.000	4,988.895	Not Full	No	-0.695	10.395
<input type="checkbox"/>	WCR3_93	4,998.750	0.000	0.000	0.000	4,990.403	Not Full	No	-0.697	8.347
<input type="checkbox"/>	WCR3_94	5,007.400	0.000	0.000	0.000	4,995.444	Not Full	No	-0.846	11.956
<input type="checkbox"/>	WCR3_94A	5,010.850	57,103.178	218,676.417	0.000	4,997.654	Not Full	No	-0.686	13.196
<input type="checkbox"/>	WCR3_95	5,012.370	0.000	0.000	0.000	4,998.752	Not Full	No	-0.738	13.618
<input type="checkbox"/>	WCR3_96	5,013.040	0.000	0.000	0.000	5,001.558	Not Full	No	-0.722	11.482
<input type="checkbox"/>	WCR3_97	5,013.510	0.000	0.000	0.000	5,004.168	Not Full	No	-0.722	9.342
<input type="checkbox"/>	WCR3_98	5,018.000	120,500.595	409,678.154	0.000	5,008.360	Not Full	No	-0.790	9.640
<input type="checkbox"/>	WCR3_99	5,021.010	0.000	0.000	0.000	5,010.136	Not Full	No	-0.784	10.874
<input type="checkbox"/>	WCR3_H125	5,085.240	0.000	0.000	0.000	5,072.800	Not Full	No	-0.667	12.440
<input type="checkbox"/>	WCR3_H126	5,080.230	0.000	0.000	0.000	5,071.780	Not Full	No	-0.667	8.450
<input type="checkbox"/>	WCR3_H127	5,081.120	0.000	0.000	0.000	5,071.100	Not Full	No	-0.667	10.020
<input type="checkbox"/>	WCR3_H128	5,077.710	0.000	0.000	0.000	5,068.900	Not Full	No	-0.667	8.810
<input type="checkbox"/>	WCR3_H129	5,079.410	0.000	0.000	0.000	5,067.000	Not Full	No	-0.667	12.410
<input type="checkbox"/>	WCR3_H130	5,078.600	0.000	0.000	0.000	5,065.300	Not Full	No	-0.667	13.300
<input type="checkbox"/>	WCR3_H131	5,076.050	166,249.377	536,938.266	0.000	5,062.148	Not Full	No	-0.486	13.902
<input type="checkbox"/>	WCR3_H132	5,077.020	0.000	0.000	0.000	5,061.402	Not Full	No	-0.431	15.618
<input type="checkbox"/>	WCR3_H133	5,074.230	0.000	0.000	0.000	5,060.298	Not Full	No	-0.535	13.932
<input type="checkbox"/>	WCR3_H134	5,072.210	0.000	0.000	0.000	5,057.255	Not Full	No	-0.845	14.955
<input type="checkbox"/>	WCR3_H135	5,080.510	0.000	0.000	0.000	5,062.365	Not Full	No	-0.765	18.145
<input type="checkbox"/>	WCR3_H136	5,079.790	0.000	0.000	0.000	5,064.380	Not Full	No	-0.720	15.410
<input type="checkbox"/>	WCR3_H137	5,080.010	0.000	0.000	0.000	5,066.380	Not Full	No	-0.720	13.630
<input type="checkbox"/>	WCR3_H138	5,078.740	0.000	0.000	0.000	5,068.582	Not Full	No	-0.718	10.158
<input type="checkbox"/>	WCR3_H139	5,081.290	0.000	0.000	0.000	5,070.282	Not Full	No	-0.718	11.008
<input type="checkbox"/>	WCR3_H140	5,085.040	0.000	0.000	0.000	5,072.923	Not Full	No	-0.757	12.117
<input type="checkbox"/>	WCR3_H141	5,085.410	55,936.779	214,412.060	0.000	5,073.411	Not Full	Yes	-0.689	11.999
<input type="checkbox"/>	WCR3_H146	5,089.800	0.000	0.000	0.000	5,077.659	Not Full	No	-0.675	12.141
<input type="checkbox"/>	WCR3_H164	5,096.500	0.000	0.000	0.000	5,079.323	Not Full	No	-0.610	17.177
<input type="checkbox"/>	WCR3_H165	5,095.420	0.000	0.000	0.000	5,080.023	Not Full	No	-0.610	15.397
<input type="checkbox"/>	WCR3_H171	5,093.250	0.000	0.000	0.000	5,081.233	Not Full	Yes	-0.600	12.017
<input type="checkbox"/>	WCR3_H185	5,097.730	0.000	0.000	0.000	5,085.500	Not Full	No	-0.833	12.230
<input type="checkbox"/>	WCR3_H186	5,104.280	0.000	0.000	0.000	5,092.000	Not Full	No	-0.833	12.280
<input type="checkbox"/>	WCR3_H187	5,105.550	0.000	0.000	0.000	5,093.300	Not Full	No	-0.833	12.250
<input type="checkbox"/>	WCR3_H188	5,106.480	0.000	0.000	0.000	5,095.000	Not Full	No	-0.667	11.480
<input type="checkbox"/>	WCR3_H189	5,108.120	0.000	0.000	0.000	5,097.800	Not Full	No	-0.667	10.320
<input type="checkbox"/>	WCR3_H190	5,111.400	0.000	0.000	0.000	5,099.400	Not Full	No	-0.667	12.000
<input type="checkbox"/>	WCR3_H191	5,113.380	0.000	0.000	0.000	5,101.380	Not Full	No	-0.667	12.000
<input type="checkbox"/>	WCR3_H192	5,116.340	0.000	0.000	0.000	5,104.340	Not Full	No	-0.667	12.000
<input type="checkbox"/>	WCR3_H192A	5,120.060	0.000	0.000	0.000	5,108.060	Not Full	No	-0.667	12.000
<input type="checkbox"/>	WCR3_H193	5,123.260	0.000	0.000	0.000	5,111.260	Not Full	No	-0.667	12.000
<input type="checkbox"/>	WCR3_H194	5,127.280	0.000	0.000	0.000	5,115.290	Not Full	No	-0.667	11.990

FULL BUILDOUT WITH SEPTIC MANHOLE TABLE

	ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
<input type="checkbox"/>	WCR3_I1	5,069.640	0.000	0.000	0.000	5,056.522	Not Full	No	-0.838	13.118
<input type="checkbox"/>	WCR3_I10	5,049.360	0.000	0.000	0.000	5,037.313	Not Full	No	-0.757	12.047
<input type="checkbox"/>	WCR3_I11	5,046.150	57,873.578	221,342.792	0.000	5,035.399	Not Full	No	-0.871	10.751
<input type="checkbox"/>	WCR3_I12	5,050.460	0.000	0.000	0.000	5,032.972	Not Full	Yes	-0.718	17.488
<input type="checkbox"/>	WCR3_I13	5,046.090	0.000	0.000	0.000	5,031.572	Not Full	No	-0.718	14.518
<input type="checkbox"/>	WCR3_I13A	5,041.820	0.000	0.000	0.000	5,030.099	Not Full	No	-0.841	11.721
<input type="checkbox"/>	WCR3_I14	5,040.390	0.000	0.000	0.000	5,028.792	Not Full	No	-0.848	11.598
<input type="checkbox"/>	WCR3_I15	5,039.430	0.000	0.000	0.000	5,027.046	Not Full	No	-0.784	12.384
<input type="checkbox"/>	WCR3_I2	5,066.970	0.000	0.000	0.000	5,053.872	Not Full	No	-0.828	13.098
<input type="checkbox"/>	WCR3_I4	5,065.060	0.000	0.000	0.000	5,051.373	Not Full	No	-0.927	13.687
<input type="checkbox"/>	WCR3_I5	5,059.210	0.000	0.000	0.000	5,046.831	Not Full	No	-0.829	12.379
<input type="checkbox"/>	WCR3_I6	5,056.080	62,625.576	236,107.250	0.000	5,045.094	Not Full	No	-0.786	10.986
<input type="checkbox"/>	WCR3_I7	5,053.870	0.000	0.000	0.000	5,043.084	Not Full	No	-0.786	10.786
<input type="checkbox"/>	WCR3_I8	5,051.680	0.000	0.000	0.000	5,040.913	Not Full	Yes	-0.757	10.767
<input type="checkbox"/>	WCR3_I9	5,048.680	0.000	0.000	0.000	5,039.113	Not Full	No	-0.757	9.567
<input type="checkbox"/>	WCR5_1	5,170.000	221,854.956	684,293.211	0.000	5,157.514	Not Full	No	-0.319	12.486
<input type="checkbox"/>	WCR5_10	5,094.000	0.000	0.000	0.000	5,081.431	Not Full	No	-0.569	12.569
<input type="checkbox"/>	WCR5_11	5,092.990	3,250.079	13,000.315	0.000	5,078.323	Not Full	No	-0.567	14.667
<input type="checkbox"/>	WCR5_12	5,084.000	0.000	0.000	0.000	5,071.465	Not Full	No	-0.535	12.535
<input type="checkbox"/>	WCR5_13	5,080.000	0.000	0.000	0.000	5,067.519	Not Full	No	-0.481	12.481
<input type="checkbox"/>	WCR5_14	5,078.000	0.000	0.000	0.000	5,065.496	Not Full	No	-0.504	12.504
<input type="checkbox"/>	WCR5_15	5,076.000	0.000	0.000	0.000	5,063.449	Not Full	No	-0.551	12.551
<input type="checkbox"/>	WCR5_16	5,070.000	74,067.812	271,658.277	0.000	5,057.514	Not Full	No	-0.486	12.486
<input type="checkbox"/>	WCR5_17	5,066.000	0.000	0.000	0.000	5,053.533	Not Full	No	-0.467	12.467
<input type="checkbox"/>	WCR5_18	5,062.000	0.000	0.000	0.000	5,049.451	Not Full	No	-0.549	12.549
<input type="checkbox"/>	WCR5_19	5,058.000	0.000	0.000	0.000	5,045.504	Not Full	No	-0.496	12.496
<input type="checkbox"/>	WCR5_2	5,162.980	0.000	0.000	0.000	5,149.280	Not Full	No	-0.454	13.700
<input type="checkbox"/>	WCR5_20	5,048.000	0.000	0.000	0.000	5,035.612	Not Full	No	-0.388	12.388
<input type="checkbox"/>	WCR5_21	5,045.000	16,250.394	65,001.576	0.000	5,032.482	Not Full	No	-0.508	12.518
<input type="checkbox"/>	WCR5_22	5,029.000	7,325.277	29,301.109	0.000	5,016.806	Not Full	Yes	-0.444	12.194
<input type="checkbox"/>	WCR5_23	5,028.000	0.000	0.000	0.000	5,015.516	Not Full	No	-0.734	12.484
<input type="checkbox"/>	WCR5_24	5,022.000	24,495.831	97,983.323	0.000	5,009.595	Not Full	No	-0.655	12.405
<input type="checkbox"/>	WCR5_25	5,017.080	0.000	0.000	0.000	5,004.523	Not Full	No	-0.627	12.557
<input type="checkbox"/>	WCR5_26	5,018.000	0.000	0.000	0.000	5,002.393	Not Full	No	-0.627	15.607
<input type="checkbox"/>	WCR5_27	5,018.000	0.000	0.000	0.000	5,000.555	Not Full	No	-0.625	17.445
<input type="checkbox"/>	WCR5_28	5,016.000	0.000	0.000	0.000	4,999.160	Not Full	No	-0.790	16.840
<input type="checkbox"/>	WCR5_3	5,156.000	0.000	0.000	0.000	5,143.217	Not Full	No	-0.486	12.783
<input type="checkbox"/>	WCR5_4	5,138.000	255,202.464	769,807.041	0.000	5,125.648	Not Full	Yes	-0.252	12.352
<input type="checkbox"/>	WCR5_5	5,136.000	0.000	0.000	0.000	5,123.703	Not Full	No	-0.197	12.297
<input type="checkbox"/>	WCR5_6	5,138.000	0.000	0.000	0.000	5,121.153	Not Full	No	-0.197	16.847
<input type="checkbox"/>	WCR5_7	5,132.000	0.000	0.000	0.000	5,119.446	Not Full	No	-0.554	12.554

FULL BUILDOUT WITH SEPTIC MANHOLE TABLE

	ID	Rim Elevation (ft)	Base Flow (gpd)	Total Flow (gpd)	Storm Flow (gpd)	Grade (ft)	Status	Hydraulic Jump	Surcharge Depth (ft)	Unfilled Depth (ft)
<input type="checkbox"/>	WCR5_8	5,124.000	0.000	0.000	0.000	5,111.413	Not Full	No	-0.587	12.587
<input type="checkbox"/>	WCR5_9	5,112.000	0.000	0.000	0.000	5,099.410	Not Full	No	-0.590	12.590
<input type="checkbox"/>	WCR7_1	5,154.000	0.000	0.000	0.000	5,141.000	Not Full	No	-0.667	13.000
<input type="checkbox"/>	WCR7_10	5,062.000	0.000	0.000	0.000	5,049.334	Not Full	No	-0.333	12.666
<input type="checkbox"/>	WCR7_11	5,058.000	0.000	0.000	0.000	5,045.375	Not Full	Yes	-0.292	12.625
<input type="checkbox"/>	WCR7_12	5,055.990	148,904.584	489,482.911	0.000	5,043.413	Not Full	No	-0.420	12.577
<input type="checkbox"/>	WCR7_13	5,050.000	0.000	0.000	0.000	5,037.434	Not Full	No	-0.399	12.566
<input type="checkbox"/>	WCR7_14	5,044.000	0.000	0.000	0.000	5,031.461	Not Full	No	-0.372	12.539
<input type="checkbox"/>	WCR7_15	5,042.000	0.000	0.000	0.000	5,029.442	Not Full	No	-0.391	12.558
<input type="checkbox"/>	WCR7_16	5,038.000	0.000	0.000	0.000	5,025.384	Not Full	No	-0.350	12.616
<input type="checkbox"/>	WCR7_17	5,036.000	0.000	0.000	0.000	5,023.541	Not Full	Yes	-0.232	12.459
<input type="checkbox"/>	WCR7_18	5,034.990	213,754.960	663,208.919	0.000	5,021.568	Not Full	No	-0.265	13.422
<input type="checkbox"/>	WCR7_2	5,136.000	0.000	0.000	0.000	5,123.000	Not Full	No	-0.667	13.000
<input type="checkbox"/>	WCR7_3	5,120.000	0.000	0.000	0.000	5,107.000	Not Full	No	-0.667	13.000
<input type="checkbox"/>	WCR7_4	5,108.000	0.000	0.000	0.000	5,095.000	Not Full	No	-0.667	13.000
<input type="checkbox"/>	WCR7_5	5,102.000	0.000	0.000	0.000	5,089.000	Not Full	No	-0.667	13.000
<input type="checkbox"/>	WCR7_6	5,094.000	0.000	0.000	0.000	5,081.000	Not Full	No	-0.667	13.000
<input type="checkbox"/>	WCR7_7	5,090.000	103,770.681	361,078.922	0.000	5,077.262	Not Full	No	-0.405	12.738
<input type="checkbox"/>	WCR7_8	5,072.000	0.000	0.000	0.000	5,059.294	Not Full	No	-0.383	12.706
<input type="checkbox"/>	WCR7_9	5,068.000	0.000	0.000	0.000	5,055.286	Not Full	No	-0.380	12.714

FULL BUILDOUT WITH SEPTIC PIPE TABLE

	ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (gpd)	Peakable Flow (gpd)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth (ft)	Critical Depth	Froude Number	Full Flow (gpd)	Backwater Adjustment	Adjusted Depth	Adjusted Velocity
	AIF1_119-ECF21_120	AIF1_119	ECF21_120	12.000	488.407	0.004	709,007.958	231,369.033	Free Surface	2.982	0.475	0.458	0.475	0.441	0.866	1,547,662.229	No	0.475	2.982
	ARF1_12-ARF1_4	ARF1_12	ARF1_4	8.000	154.018	0.004	225,620.011	59,250.218	Free Surface	2.239	0.458	0.430	0.305	0.274	0.815	525,053.946	No	0.305	2.239
	ARF1_16-ARF1_12	ARF1_16	ARF1_12	8.000	132.199	0.011	225,620.011	59,250.218	Free Surface	3.344	0.339	0.248	0.226	0.274	1.449	909,644.038	No	0.226	3.344
	ARF1_17-ARF1_16	ARF1_17	ARF1_16	8.000	314.508	0.009	225,620.011	59,250.218	Free Surface	3.111	0.358	0.274	0.239	0.274	1.308	822,988.236	No	0.239	3.111
	ARF1_28-ARF1_17	ARF1_28	ARF1_17	8.000	284.662	0.020	225,620.011	59,250.218	Free Surface	4.064	0.295	0.189	0.196	0.274	1.905	1,193,034.187	No	0.196	4.064
	ARF1_29-ARF1_28	ARF1_29	ARF1_28	8.000	66.881	0.012	225,620.011	59,250.218	Free Surface	3.437	0.333	0.239	0.222	0.274	1.507	945,043.898	No	0.222	3.437
	ARF1_2-FMF9_1	ARF1_2	FMF9_1	10.000	336.918	0.004	225,620.011	59,250.218	Free Surface	2.340	0.318	0.219	0.265	0.257	0.941	1,029,721.578	Yes	0.280	2.172
	ARF1_31-ARF1_29	ARF1_31	ARF1_29	8.000	345.854	0.009	225,620.011	59,250.218	Free Surface	3.035	0.364	0.284	0.243	0.274	1.263	795,342.077	No	0.243	3.035
	ARF1_32-ARF1_31	ARF1_32	ARF1_31	8.000	124.179	0.007	225,620.011	59,250.218	Free Surface	2.852	0.382	0.309	0.254	0.274	1.156	730,184.738	No	0.254	2.852
	ARF1_33-ARF1_32	ARF1_33	ARF1_32	8.000	224.073	0.010	225,620.011	59,250.218	Free Surface	3.138	0.356	0.271	0.237	0.274	1.324	832,905.398	No	0.237	3.138
	ARF1_34-ARF1_33	ARF1_34	ARF1_33	8.000	155.283	0.006	225,620.011	59,250.218	Free Surface	2.597	0.409	0.351	0.273	0.274	1.011	642,238.703	No	0.273	2.597
	ARF1_35-ARF1_34	ARF1_35	ARF1_34	8.000	103.489	0.005	225,620.011	59,250.218	Free Surface	2.475	0.424	0.375	0.283	0.274	0.943	601,337.528	No	0.283	2.475
	ARF1_36-ARF1_35	ARF1_36	ARF1_35	8.000	271.125	0.009	225,620.011	59,250.218	Free Surface	3.010	0.367	0.287	0.244	0.274	1.249	786,423.378	No	0.244	3.010
	ARF1_37-ARF1_36	ARF1_37	ARF1_36	8.000	113.306	0.006	225,620.011	59,250.218	Free Surface	2.710	0.396	0.331	0.264	0.274	1.075	680,924.666	No	0.264	2.710
	ARF1_3-ARF1_2	ARF1_3	ARF1_2	8.000	201.740	0.006	225,620.011	59,250.218	Free Surface	2.703	0.397	0.333	0.265	0.274	1.071	678,362.734	No	0.265	2.703
	ARF1_4-ARF1_3	ARF1_4	ARF1_3	8.000	122.407	0.015	225,620.011	59,250.218	Free Surface	3.697	0.315	0.216	0.210	0.274	1.669	1,045,721.845	No	0.210	3.697
	ARF2_1-TOE_2647	ARF2_1	TOE_2647	8.000	158.000	0.008	225,620.011	59,250.218	Free Surface	2.946	0.372	0.295	0.248	0.274	1.211	763,554.513	No	0.248	2.946
	ARF2_2-ARF2_1	ARF2_2	ARF2_1	8.000	151.286	0.006	225,620.011	59,250.218	Free Surface	2.695	0.398	0.334	0.265	0.274	1.066	675,771.581	No	0.265	2.695
	BFF1_61-BFF1_62	BFF1_61	BFF1_62	8.000	397.643	0.005	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	601,633.726	No	0.000	0.000
	BFF1_62-BFF1_63	BFF1_62	BFF1_63	8.000	345.405	0.005	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	600,374.865	Yes	0.069	0.000
	BFF1_63-TOE_2733	BFF1_63	TOE_2733	8.000	197.672	0.007	67,000.295	16,750.074	Free Surface	1.986	0.207	0.094	0.138	0.147	1.126	713,929.656	Yes	0.232	0.960
	CCF3_39E-CMF2_39D	CCF3_39E	CMF2_39D	10.000	161.407	0.004	263,680.995	71,500.293	Free Surface	2.339	0.357	0.272	0.297	0.278	0.882	968,552.158	No	0.297	2.339
	CCF3_60A-CCF3_39E	CCF3_60A	CCF3_39E	10.000	310.798	0.004	167,114.552	42,999.824	Free Surface	2.091	0.278	0.169	0.232	0.220	0.905	990,944.494	No	0.232	2.091
	CCF3_60-CCF3_60A	CCF3_60	CCF3_60A	10.000	135.757	0.040	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	3,061,985.380	Yes	0.006	0.000
	CCF4_4-1-TOE_2990	CCF4_41	TOE_2990	8.000	204.703	0.012	253,583.000	68,250.214	Free Surface	3.500	0.358	0.274	0.238	0.292	1.472	926,183.223	No	0.238	3.500
	CCF4_4-2-CCF4_41	CCF4_42	CCF4_41	8.000	274.850	0.030	125,071.153	31,499.988	Free Surface	3.990	0.197	0.085	0.131	0.202	2.324	1,478,629.209	No	0.131	3.990
	CCF4_4-3-CCF4_42	CCF4_43	CCF4_42	8.000	287.880	0.031	125,071.153	31,499.988	Free Surface	4.004	0.196	0.084	0.131	0.202	2.335	1,485,724.658	No	0.131	4.004
	CCF4_4-4-CCF4_43	CCF4_44	CCF4_43	8.000	307.760	0.018	125,071.153	31,499.988	Free Surface	3.337	0.223	0.109	0.149	0.202	1.819	1,148,410.503	No	0.149	3.337
	CCF4_4-5-CCF4_44	CCF4_45	CCF4_44	8.000	312.018	0.018	125,071.153	31,499.988	Free Surface	3.327	0.223	0.109	0.149	0.202	1.812	1,143,577.617	No	0.149	3.327
	CCF6_105-CCF6_106	CCF6_105	CCF6_106	12.000	300.958	0.015	709,007.958	231,369.033	Free Surface	4.966	0.325	0.228	0.325	0.441	1.802	3,112,332.973	No	0.325	4.966
	CCF6_106-TOE_2640	CCF6_106	TOE_2640	12.000	304.102	0.015	709,007.958	231,369.033	Free Surface	4.858	0.330	0.235	0.330	0.441	1.747	3,018,825.908	No	0.330	4.858
	CCF6_6-10-CCF6_69	CCF6_610	CCF6_69	8.000	294.243	0.018	253,583.000	68,250.214	Free Surface	4.097	0.319	0.220	0.212	0.292	1.839	1,152,419.655	No	0.212	4.097
	CCF6_6-11-CCF6_610	CCF6_611	CCF6_610	8.000	108.377	0.016	253,583.000	68,250.214	Free Surface	3.881	0.332	0.237	0.221	0.292	1.704	1,068,707.131	No	0.221	3.881
	CCF6_6-12-CCF6_611	CCF6_612	CCF6_611	8.000	139.412	0.017	253,583.000	68,250.214	Free Surface	4.008	0.324	0.227	0.216	0.292	1.783	1,117,689.788	No	0.216	4.008
	CCF6_6-13-CCF6_612	CCF6_613	CCF6_612	8.000	116.143	0.012	253,583.000	68,250.214	Free Surface	3.523	0.356	0.271	0.237	0.292	1.486	934,707.955	No	0.237	3.523
	CCF6_6-14-CCF6_613	CCF6_614	CCF6_613	8.000	93.593	0.010	253,583.000	68,250.214	Free Surface	3.314	0.372	0.295	0.248	0.292	1.363	859,168.773	No	0.248	3.314
	CCF6_6-15-CCF6_105	CCF6_615	CCF6_105	12.000	250.404	0.035	253,583.000	68,250.214	Free Surface	4.935	0.158	0.054	0.158	0.259	2.634	4,699,501.517	Yes	0.171	4.388
	CCF6_6-8-CCF6_615	CCF6_68	CCF6_615	8.000	122.248	0.018	253,583.000	68,250.214	Free Surface	4.040	0.322	0.224	0.215	0.292	1.803	1,130,246.077	No	0.215	4.040
	CCF6_6-9-CCF6_68	CCF6_69	CCF6_68	8.000	210.219	0.017	253,583.000	68,250.214	Free Surface	3.985	0.325	0.229	0.217	0.292	1.768	1,108,600.417	No	0.217	3.985
	CCF9_4-6-CCF4_45	CCF9_46	CCF4_45	8.000	295.271	0.005	125,071.153	31,499.988	Free Surface	2.147	0.305	0.202	0.203	0.202	0.988	618,590.475	No	0.203	2.147
	CFF1_17-TOE_2631	CFF1_17	TOE_2631	15.000	200.085	0.011	858,114.812	290,401.811	Free Surface	4.590	0.286	0.178	0.357	0.455	1.599	4,819,738.677	No	0.357	4.590
	CFF1_18-CFF1_17	CFF1_18	CFF1_17	15.000	192.033	0.012	858,114.812	290,401.811	Free Surface	4.651	0.283	0.175	0.354	0.455	1.628	4,908,843.591	No	0.354	4.651
	CFF1_19B1-CFF1_19	CFF1_19B1	CFF1_19	12.000	114.139	0.008	430,160.526	127,750.992	Free Surface	3.412	0.297	0.192	0.297	0.340	1.301	2,245,553.259	No	0.297	3.412
	CFF1_19B2-CFF1_19B1	CFF1_19B2	CFF1_19B1	12.000	135.089	0.007	430,160.526	127,750.992	Free Surface	3.174	0.313	0.212	0.313	0.340	1.176	2,030,162.628	No	0.313	3.174
	CFF1_19-CFF1_18	CFF1_19	CFF1_18	15.000	128.744	0.011	858,114.812	290,401.811	Free Surface	4.505	0.290	0.183	0.362	0.455	1.557	4,695,185.852	No	0.362	4.505
	CFF1_20-CFF1_19	CFF1_20	CFF1_19	12.000	259.752	0.011	527,092.609	162,650.819	Free Surface	4.037	0.304	0.201	0.304	0.378	1.518	2,619,928.491	No	0.304	4.037
	CFF1_21-CFF1_20	CFF1_21	CFF1_20	12.000	204.761	0.011	527,092.609	162,650.819	Free Surface	3.987	0.307	0.205	0.307	0.378	1.492	2,574,854.316	No	0.307	3.987
	CFF1_22A-CFF1_22B	CFF1_22A	CFF1_22B	10.000	369.202	0.014	263,680.995	71,500.293	Free Surface	3.669	0.258	0.145	0.215	0.278	1.655	1,814,859.742	No	0.215	3.669
	CFF1_22B-CFF1_22C	CFF1_22B	CFF1_22C	10.000	151.596	0.014	263,680.995	71,500.293	Free Surface	3.663	0.258	0.146	0.215	0.278	1.651	1,810,337.033	No	0.215	3.663
	CFF1_22C-CFF1_19B2	CFF1_22C	CFF1_19B2	10.000	289.466	0.013	430,160.526	127,750.992	Free Surface	4.144	0.336	0.243	0.280	0.359	1.616	1,771,578.311	No	0.280	4.144
	CFF1_22-CFF1_21	CFF1_22	CFF1_21	12.000	185.308	0.008	433,406.789	128,900.111	Free Surface	3.408	0.298	0.194	0.298	0.341	1.295	2,235,268.786	No	0.298	3.408
	CFF1_22D-CFF1_22C	CFF1_22D	CFF1_22C	10.000	133.147	0.014	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,832,565.336	No	0.000	0.000
	CFF1_22E-CFF1_22D	CFF1_22E	CFF1_22D	10.000	130.967	0.012	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,715,954.795	No	0.000	0.000
	CFF1_22F1-CFF1_22E	CFF1_22F1	CFF1_22E	10.000	217.475	0.005	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,128,189.005	No	0.000	0.000
	CFF1_23-CFF1_22	CFF1_23	CFF1_22	12.000	96.489	0.009	433,406.789	128,900.111	Free Surface	3.617	0.286	0.178	0.286	0.341	1.407	2,428,997.525	No	0.286	3.617

FULL BUILDOUT WITH SEPTIC PIPE TABLE

	ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (gpd)	Peakable Flow (gpd)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth (ft)	Critical Depth	Froude Number	Full Flow (gpd)	Backwater Adjustment	Adjusted Depth	Adjusted Velocity
	CFF1_28-CFF1_27	CFF1_28	CFF1_27	12.000	145.140	0.010	433,406.789	128,900.111	Free Surface	3.728	0.280	0.171	0.280	0.341	1.468	2,534,226.581	No	0.280	3.728
	CFF1_29-CFF1_28	CFF1_29	CFF1_28	12.000	150.879	0.024	433,406.789	128,900.111	Free Surface	5.013	0.227	0.113	0.227	0.341	2.210	3,841,988.751	No	0.227	5.013
	CFF1_30-CFF1_29	CFF1_30	CFF1_29	12.000	241.294	0.023	433,406.789	128,900.111	Free Surface	4.999	0.227	0.113	0.227	0.341	2.202	3,827,344.160	No	0.227	4.999
	CFF1_31-CFF1_30	CFF1_31	CFF1_30	12.000	118.736	0.010	433,406.789	128,900.111	Free Surface	3.740	0.279	0.170	0.279	0.341	1.475	2,545,706.000	No	0.279	3.740
	CHF1A_22-CHF1A_23	CHF1A_22	CHF1A_23	18.000	160.160	0.019	1,635,716.886	625,921.684	Free Surface	6.567	0.270	0.160	0.405	0.603	2.152	10,243,088.805	No	0.405	6.567
	CHF1A_23-CHF1A_24	CHF1A_23	CHF1A_24	18.000	434.970	0.023	1,635,716.886	625,921.684	Free Surface	7.021	0.258	0.145	0.386	0.603	2.360	11,248,363.236	No	0.386	7.021
	CHF1A_24-CHF1A_25	CHF1A_24	CHF1A_25	18.000	292.440	0.010	1,635,716.886	625,921.684	Free Surface	5.245	0.318	0.219	0.476	0.603	1.573	7,481,584.554	No	0.476	5.245
	CHF1A_25-CHF1A_A1A	CHF1A_25	CHF1A_A1A	18.000	123.397	0.007	1,635,716.886	625,921.684	Free Surface	4.614	0.349	0.261	0.523	0.603	1.313	6,262,836.979	Yes	0.524	4.599
	CHF1A_A1A-TOE_2586	CHF1A_A1A	TOE_2586	18.000	158.077	0.007	1,635,716.886	625,921.684	Free Surface	4.584	0.350	0.264	0.526	0.603	1.301	6,207,300.817	No	0.526	4.584
	CHF1A_C1-CHF1A_22	CHF1A_C1	CHF1A_22	18.000	101.324	0.058	1,473,345.957	552,671.792	Free Surface	9.409	0.195	0.083	0.292	0.571	3.672	17,749,713.432	Yes	0.324	8.126
	CHF1B_12-CHF1B_20	CHF1B_12	CHF1B_20	18.000	340.960	0.027	1,473,345.957	552,671.792	Free Surface	7.218	0.235	0.121	0.352	0.571	2.552	12,205,355.972	No	0.352	7.218
	CHF1B_14A-CHF1B_17	CHF1B_14A	CHF1B_17	18.000	122.228	0.017	1,421,643.166	529,672.121	Free Surface	6.063	0.259	0.147	0.388	0.560	2.033	9,689,124.841	No	0.388	6.063
	CHF1B_15A-CHF1B_14A	CHF1B_15A	CHF1B_14A	18.000	195.015	0.001	1,421,643.166	529,672.121	Free Surface	2.390	0.516	0.528	0.775	0.560	0.537	2,692,660.183	No	0.775	2.390
	CHF1B_15A-CHF3A_15B	CHF3A_15B	CHF1B_15A	18.000	180.259	0.003	1,421,643.166	529,672.121	Free Surface	3.090	0.423	0.374	0.635	0.560	0.786	3,805,405.449	No	0.635	3.090
	CHF1B_17-CHF1B_18	CHF1B_17	CHF1B_18	18.000	330.000	0.006	1,421,643.166	529,672.121	Free Surface	4.263	0.333	0.240	0.500	0.560	1.244	5,924,634.458	No	0.500	4.263
	CHF1B_18-CHF1B_12	CHF1B_18	CHF1B_12	18.000	400.000	0.033	1,473,345.957	552,671.792	Free Surface	7.707	0.224	0.110	0.336	0.571	2.793	13,386,173.134	No	0.336	7.707
	CHF1B_20-TOE_2585	CHF1B_20	TOE_2585	18.000	392.558	0.025	1,473,345.957	552,671.792	Free Surface	6.966	0.241	0.127	0.361	0.571	2.430	11,610,027.069	No	0.361	6.966
	CHF3A_15-CHF3A_15B	CHF3A_15	CHF3A_15B	18.000	180.044	0.003	1,421,643.166	529,672.121	Free Surface	3.115	0.421	0.370	0.631	0.560	0.795	3,847,134.378	No	0.631	3.115
	CHF3C_8-CHF3C_9	CHF3C_8	CHF3C_9	18.000	288.213	0.005	1,355,387.386	500,421.412	Free Surface	3.727	0.355	0.271	0.533	0.547	1.049	5,009,536.836	No	0.533	3.727
	CHF3C_9-TOE_2580	CHF3C_9	TOE_2580	18.000	339.237	0.004	1,355,387.386	500,421.412	Free Surface	3.542	0.369	0.290	0.553	0.547	0.976	4,669,246.805	No	0.553	3.542
	CMF2_22G-CFF1_22F1	CMF2_22G	CFF1_22F1	10.000	50.170	0.028	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	2,587,708.428	No	0.000	0.000
	CMF2_32-CFF1_22A	CMF2_32	CFF1_22A	10.000	151.294	0.009	263,680.995	71,500.293	Free Surface	3.131	0.288	0.181	0.240	0.278	1.328	1,452,948.058	No	0.240	3.131
	CMF2_33-CMF2_32A	CMF2_33	CMF2_32	10.000	127.250	0.004	263,680.995	71,500.293	Free Surface	2.444	0.345	0.256	0.288	0.278	0.938	1,029,443.086	No	0.288	2.444
	CMF2_34-CMF2_33	CMF2_34	CMF2_33	10.000	31.066	0.004	263,680.995	71,500.293	Free Surface	2.385	0.351	0.265	0.293	0.278	0.906	995,000.873	No	0.293	2.385
	CMF2_35-CMF2_34	CMF2_35	CMF2_34	10.000	109.503	0.005	263,680.995	71,500.293	Free Surface	2.547	0.335	0.242	0.279	0.278	0.995	1,090,089.794	No	0.279	2.547
	CMF2_36-CMF2_35	CMF2_36	CMF2_35	10.000	215.403	0.013	263,680.995	71,500.293	Free Surface	3.567	0.263	0.151	0.219	0.278	1.592	1,744,243.654	No	0.219	3.567
	CMF2_37-CMF2_36	CMF2_37	CMF2_36	10.000	95.722	0.012	263,680.995	71,500.293	Free Surface	3.481	0.267	0.156	0.223	0.278	1.539	1,685,918.996	No	0.223	3.481
	CMF2_38-CMF2_37	CMF2_38	CMF2_37	10.000	36.580	0.010	263,680.995	71,500.293	Free Surface	3.242	0.281	0.173	0.234	0.278	1.394	1,525,939.681	No	0.234	3.242
	CMF2_39A-CMF2_39	CMF2_39A	CMF2_39	10.000	94.496	0.004	263,680.995	71,500.293	Free Surface	2.350	0.355	0.270	0.296	0.278	0.888	975,390.304	No	0.296	2.350
	CMF2_39B-CMF2_39A	CMF2_39B	CMF2_39A	10.000	156.532	0.019	263,680.995	71,500.293	Free Surface	4.061	0.240	0.126	0.200	0.278	1.905	2,093,583.694	No	0.200	4.061
	CMF2_39C-CMF2_39B	CMF2_39C	CMF2_39B	10.000	127.599	0.004	263,680.995	71,500.293	Free Surface	2.328	0.358	0.274	0.298	0.278	0.876	962,841.442	No	0.298	2.328
	CMF2_39D-CMF2_38	CMF2_39	CMF2_38	10.000	65.228	0.009	263,680.995	71,500.293	Free Surface	3.146	0.287	0.180	0.240	0.278	1.337	1,462,862.125	No	0.240	3.146
	CMF2_39D-CMF2_39C	CMF2_39D	CMF2_39C	10.000	138.889	0.004	263,680.995	71,500.293	Free Surface	2.337	0.357	0.272	0.297	0.278	0.881	967,923.923	No	0.297	2.337
	COMPF1_10.1-TOE_2941	COMPF1_101	TOE_2941	12.000	179.590	0.005	438,630.099	130,749.071	Free Surface	2.880	0.340	0.249	0.340	0.343	1.018	1,760,761.108	No	0.340	2.880
	CSF1_C2A-TOE_2804	CSF1_C2A	TOE_2804	18.000	237.022	0.003	1,074,330.451	379,477.297	Free Surface	3.004	0.351	0.264	0.526	0.485	0.852	4,064,442.599	No	0.526	3.004
	CSF1_C2C-CSF1_C2A	CSF1_C2C	CSF1_C2A	18.000	14.583	0.010	1,074,330.451	379,477.297	Free Surface	4.538	0.261	0.149	0.391	0.485	1.517	7,225,549.849	No	0.391	4.538
	CSF1_C3A-CSF1_C3B	CSF1_C3A	CSF1_C3B	18.000	198.534	0.004	968,433.703	335,401.794	Free Surface	3.157	0.314	0.214	0.471	0.459	0.953	4,532,537.708	No	0.471	3.157
	CSF1_C3B-CSF1_C4B	CSF1_C3B	CSF1_C4B	18.000	414.773	0.003	968,433.703	335,401.794	Free Surface	2.910	0.333	0.239	0.499	0.459	0.850	4,048,353.344	No	0.499	2.910
	CSF1_C4B-CSF1_C5B	CSF1_C4B	CSF1_C5B	18.000	412.389	0.004	968,433.703	335,401.794	Free Surface	3.223	0.309	0.208	0.464	0.459	0.981	4,664,630.000	No	0.464	3.223
	CSF1_C5B-CSF1_C6C	CSF1_C5B	CSF1_C6C	18.000	180.189	0.005	968,433.703	335,401.794	Free Surface	3.418	0.296	0.191	0.444	0.459	1.065	5,064,930.575	No	0.444	3.418
	CSF1_C6C-CSF1_C2C	CSF1_C6C	CSF1_C2C	18.000	228.964	0.003	1,074,330.451	379,477.297	Free Surface	2.948	0.356	0.271	0.534	0.485	0.829	3,959,290.219	No	0.534	2.948
	ECF1_100-ECF1_102	ECF1_100	ECF1_102	30.000	179.634	0.003	4,188,502.127	1,917,068.398	Free Surface	3.936	0.369	0.291	0.923	0.843	0.840	14,412,685.329	Yes	0.934	3.872
	ECF1_102-ECF1_126	ECF1_102	ECF1_126	30.000	332.132	0.002	4,188,502.127	1,917,068.398	Free Surface	3.809	0.378	0.304	0.946	0.843	0.801	13,774,775.041	No	0.946	3.809
	ECF1_108-ECF1_28	ECF1_108	ECF1_28	30.000	298.395	0.010	4,385,839.343	2,025,068.357	Free Surface	6.538	0.264	0.153	0.661	0.864	1.679	28,680,223.705	No	0.661	6.538
	ECF1_118-ECF1_119	ECF1_118	ECF1_119	12.000	374.069	0.006	887,581.330	302,350.926	Free Surface	3.642	0.484	0.474	0.484	0.496	1.045	1,874,045.649	No	0.484	3.642
	ECF1_119-TOE_2594	ECF1_119	TOE_2594	12.000	347.709	0.005	887,581.330	302,350.926	Free Surface	3.496	0.500	0.500	0.500	0.496	0.983	1,774,422.234	No	0.500	3.496
	ECF1_2271-TOE_2655	ECF1_2271	TOE_2655	30.000	283.188	0.002	4,464,119.123	2,068,166.101	Free Surface	3.626	0.412	0.355	1.029	0.872	0.726	12,574,544.023	Yes	1.430	2.379
	ECF1_24-ECF1_44	ECF1_24	ECF1_44	30.000	449.061	0.001	4,079,945.146	1,858,068.740	Free Surface	2.794	0.469	0.448	1.172	0.832	0.517	9,115,619.517	No	1.172	2.794
	ECF1_25-ECF1_100	ECF1_25	ECF1_100	30.000	447.757	0.002	4,188,502.127	1,917,068.398	Free Surface	3.574	0.397	0.332	0.992	0.843	0.732	12,620,046.817	No	0.992	3.574
	ECF1_26-ECF1_27	ECF1_26	ECF1_27	30.000	362.156	0.004	4,188,502.127	1,917,068.398	Free Surface	4.652	0.327	0.231	0.817	0.843	1.064	18,157,932.414	No	0.817	4.652
	ECF1_27-ECF1_108	ECF1_27	ECF1_108	30.000	375.444	0.011	4,188,502.127	1,917,068.398	Free Surface	6.642	0.253	0.140	0.632	0.843	1.747	29,871,083.103	No	0.632	6.642
	ECF1_28-ECF1_29	ECF1_28	ECF1_29	30.000	303.392	0.010	4,385,839.343	2,025,068.357	Free Surface	6.608	0.262	0.151	0.656	0.864	1.704	29,107,942.782	No	0.656	6.608
	ECF1_29-ECF1_2271	ECF1_29	ECF1_2271	30.000	201.480	0.007	4,385,839.343	2,025,068.357	Free Surface	5.758	0.289	0.183	0.724	0.864	1.408	24,003,856.458	Yes	0.859	4.544
	ECF1_44-ECF1_97	ECF1_44	ECF1_97	30.000	343.305	0.001	4,188,502.127	1,917,068.398	Free Surface	2.831	0.474	0.456	1.184	0.843	0.521	9,194			

FULL BUILDOUT WITH SEPTIC PIPE TABLE

	ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (gpd)	Peakable Flow (gpd)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth (ft)	Critical Depth	Froude Number	Full Flow (gpd)	Backwater Adjustment	Adjusted Depth	Adjusted Velocity
	ECF21_123-ECF21_124	ECF21_123	ECF21_124	12.000	249.288	0.005	1,220,064.330	441,529.754	Free Surface	3.855	0.598	0.668	0.598	0.586	0.961	1,826,926.891	No	0.598	3.855
	ECF21_124-ECF21_130	ECF21_124	ECF21_130	12.000	256.838	0.005	1,220,064.330	441,529.754	Free Surface	3.799	0.605	0.680	0.605	0.586	0.939	1,793,096.783	No	0.605	3.799
	ECF21_130-ECF1A2_131	ECF21_130	ECF1A2_131	12.000	316.851	0.004	1,220,064.330	441,529.754	Free Surface	3.474	0.653	0.762	0.653	0.586	0.810	1,602,102.791	No	0.653	3.474
	ECF21_131-ECF21_132	ECF21_131	ECF21_132	8.000	138.119	0.006	83,998.048	20,999.512	Free Surface	2.044	0.238	0.124	0.159	0.165	1.076	677,140.724	No	0.159	2.044
	ECF21_132-ECF21_133	ECF21_132	ECF21_133	8.000	299.894	0.006	83,998.048	20,999.512	Free Surface	1.960	0.245	0.132	0.163	0.165	1.016	638,711.151	No	0.163	1.960
	ECF21_133-ECF21_24	ECF21_133	ECF21_24	30.000	232.963	0.001	4,047,193.356	1,840,319.307	Free Surface	2.817	0.463	0.438	1.157	0.828	0.526	9,242,619.204	No	1.157	2.817
	ECF21_22A-ECF21_133	ECF21_22A	ECF21_133	24.000	347.152	0.010	4,008,365.258	1,819,319.795	Free Surface	6.443	0.345	0.257	0.691	0.881	1.596	15,624,736.073	Yes	0.849	4.882
	ECF21_23-ECF21_9	ECF21_23	ECF21_9	30.000	457.000	0.001	4,047,193.356	1,840,319.307	Free Surface	2.880	0.455	0.425	1.138	0.828	0.543	9,524,883.908	No	1.138	2.880
	ECF21_24-ECF21_23	ECF21_24	ECF21_23	30.000	155.077	0.001	4,047,193.356	1,840,319.307	Free Surface	2.818	0.463	0.438	1.157	0.828	0.526	9,249,524.645	No	1.157	2.818
	ECF21_9-ECF1_24	ECF21_9	ECF1_24	30.000	492.000	0.002	4,079,945.146	1,858,068.740	Free Surface	3.339	0.409	0.351	1.023	0.832	0.671	11,611,684.604	Yes	1.048	3.236
	ECF3_217-ECF3_218	ECF3_217	ECF3_218	18.000	469.731	0.002	1,417,627.590	527,889.401	Free Surface	2.965	0.436	0.394	0.654	0.559	0.741	3,600,918.864	No	0.654	2.965
	ECF3_218-TOE_2746	ECF3_218	TOE_2746	18.000	297.552	0.003	1,417,627.590	527,889.401	Free Surface	3.374	0.395	0.330	0.593	0.559	0.893	4,296,433.228	No	0.593	3.374
	ECF4_133-ECF4_134	ECF4_133	ECF4_134	12.000	398.994	0.006	1,271,844.765	463,904.465	Free Surface	3.940	0.608	0.685	0.608	0.598	0.971	1,857,266.033	Yes	0.940	2.569
	ECF4_134-ECF4_135	ECF4_134	ECF4_135	12.000	300.951	0.002	1,271,844.765	463,904.465	Pressurized	2.506	1.000	1.235	1.000	0.536	0.442	1,029,635.546	No	1.000	2.506
	ECF4_135-TOE_2662	ECF4_135	TOE_2662	15.000	88.785	0.002	1,580,829.504	600,990.974	Free Surface	2.843	0.661	0.774	0.826	0.626	0.588	2,041,934.441	No	0.826	2.843
	ECF5_204-ECF5_205	ECF5_204	ECF5_205	18.000	92.979	0.010	1,290,558.293	472,062.062	Free Surface	4.850	0.283	0.175	0.425	0.533	1.549	7,367,341.389	No	0.425	4.850
	ECF5_205-ECF5_208	ECF5_205	ECF5_208	18.000	243.553	0.010	1,290,558.293	472,062.062	Free Surface	4.851	0.283	0.175	0.425	0.533	1.549	7,369,094.379	Yes	0.425	4.847
	ECF5_208-ECF5_209	ECF5_208	ECF5_209	18.000	59.397	0.010	1,290,558.293	472,062.062	Free Surface	4.842	0.284	0.176	0.425	0.533	1.545	7,349,732.797	Yes	0.487	4.020
	ECF5_209-ECF5_213	ECF5_209	ECF5_213	18.000	204.830	0.003	1,290,558.293	472,062.062	Free Surface	3.040	0.398	0.335	0.598	0.533	0.801	3,855,901.750	No	0.598	3.040
	ECF5_213-ECF5_214	ECF5_213	ECF5_214	18.000	189.500	0.003	1,290,558.293	472,062.062	Free Surface	3.044	0.398	0.334	0.597	0.533	0.803	3,863,009.650	No	0.597	3.044
	ECF5_214-ECF5_215	ECF5_214	ECF5_215	18.000	373.761	0.004	1,417,627.590	527,889.401	Free Surface	3.424	0.391	0.323	0.587	0.559	0.912	4,382,464.774	No	0.587	3.424
	ECF5_215-ECF5_216	ECF5_215	ECF5_216	18.000	501.110	0.013	1,417,627.590	527,889.401	Free Surface	5.456	0.279	0.169	0.418	0.559	1.758	8,366,467.435	No	0.418	5.456
	ECF5_216-ECF3_217	ECF5_216	ECF3_217	18.000	465.922	0.013	1,417,627.590	527,889.401	Free Surface	5.463	0.278	0.169	0.417	0.559	1.762	8,382,439.078	Yes	0.511	4.133
	EHF1_2-EHF4_1	EHF1_2	EHF4_1	8.000	72.518	0.003	168,030.599	43,250.384	Pressurized	1.836	0.426	0.377	0.284	0.235	0.698	445,508.194	Yes	0.667	0.745
	EHF1_3-EHF1_2	EHF1_3	EHF1_2	8.000	209.536	0.005	168,030.599	43,250.384	Pressurized	2.243	0.367	0.287	0.244	0.235	0.930	586,049.477	Yes	0.667	0.745
	EHF1_4-EHF1_3	EHF1_4	EHF1_3	8.000	264.573	0.005	168,030.599	43,250.384	Free Surface	2.267	0.364	0.283	0.242	0.235	0.945	594,651.505	Yes	0.667	0.745
	EHF1_5-EHF1_4	EHF1_5	EHF1_4	8.000	72.008	0.021	168,030.599	43,250.384	Free Surface	3.804	0.250	0.137	0.167	0.235	1.949	1,224,387.430	No	0.167	3.804
	EHF1_6-EHF1_5	EHF1_6	EHF1_5	8.000	83.531	0.041	168,030.599	43,250.384	Free Surface	4.825	0.212	0.098	0.141	0.235	2.703	1,711,509.151	No	0.141	4.825
	EHF1_7-EHF1_6	EHF1_7	EHF1_6	8.000	219.245	0.035	168,030.599	43,250.384	Free Surface	4.558	0.220	0.106	0.147	0.235	2.500	1,579,448.808	No	0.147	4.558
	EHF1_8-EHF1_7	EHF1_8	EHF1_7	8.000	271.700	0.021	168,030.599	43,250.384	Free Surface	3.814	0.250	0.137	0.167	0.235	1.956	1,228,729.304	No	0.167	3.814
	EHF10_11-EHF9_10	EHF10_11	EHF9_10	8.000	256.644	0.014	141,523.147	35,999.986	Free Surface	3.114	0.255	0.143	0.170	0.215	1.578	990,677.374	No	0.170	3.114
	EHF10_12-EHF10_11	EHF10_12	EHF10_11	8.000	104.212	0.007	141,523.147	35,999.986	Free Surface	2.393	0.308	0.207	0.206	0.215	1.094	685,264.637	No	0.206	2.393
	EHF10_13-EHF10_12	EHF10_13	EHF10_12	8.000	148.178	0.013	141,523.147	35,999.986	Free Surface	3.058	0.259	0.147	0.172	0.215	1.539	965,656.503	No	0.172	3.058
	EHF10_14-EHF10_13	EHF10_14	EHF10_13	8.000	185.568	0.005	141,523.147	35,999.986	Free Surface	2.210	0.327	0.231	0.218	0.215	0.978	613,334.939	No	0.218	2.210
	EHF10_15-EHF10_14	EHF10_15	EHF10_14	8.000	179.349	0.005	141,523.147	35,999.986	Free Surface	2.195	0.328	0.233	0.219	0.215	0.969	607,587.024	No	0.219	2.195
	EHF10_16-EHF10_15	EHF10_16	EHF10_15	8.000	191.512	0.005	141,523.147	35,999.986	Free Surface	2.201	0.328	0.232	0.218	0.215	0.973	609,934.416	No	0.218	2.201
	EHF10_17-EHF10_16	EHF10_17	EHF10_16	8.000	99.824	0.004	141,523.147	35,999.986	Free Surface	2.044	0.346	0.257	0.231	0.215	0.876	550,262.793	No	0.231	2.044
	EHF10_18-EHF10_17	EHF10_18	EHF10_17	8.000	48.315	0.005	141,523.147	35,999.986	Free Surface	2.137	0.335	0.242	0.223	0.215	0.933	585,310.316	No	0.223	2.137
	EHF11_146-EHF11_147	EHF11_146	EHF11_147	8.000	149.540	0.005	141,523.147	35,999.986	Free Surface	2.177	0.330	0.236	0.220	0.215	0.958	600,780.117	No	0.220	2.177
	EHF11_147-EHF11_148	EHF11_147	EHF11_148	8.000	258.010	0.007	141,523.147	35,999.986	Free Surface	2.456	0.303	0.199	0.202	0.215	1.135	710,533.609	No	0.202	2.456
	EHF11_148-EHF9_19	EHF11_148	EHF9_19	8.000	162.000	0.008	141,523.147	35,999.986	Free Surface	2.584	0.292	0.186	0.194	0.215	1.218	762,854.562	No	0.194	2.584
	EHF3_10-EHF3_9	EHF3_10	EHF3_9	8.000	275.063	0.040	168,030.599	43,250.384	Free Surface	4.810	0.212	0.099	0.141	0.235	2.692	1,704,154.670	No	0.141	4.810
	EHF3_11-EHF3_10	EHF3_11	EHF3_10	8.000	280.011	0.036	168,030.599	43,250.384	Free Surface	4.607	0.219	0.105	0.146	0.235	2.537	1,603,157.020	No	0.146	4.607
	EHF3_12-EHF3_11	EHF3_12	EHF3_11	8.000	280.647	0.010	168,030.599	43,250.384	Free Surface	2.962	0.299	0.195	0.199	0.235	1.377	862,347.690	No	0.199	2.962
	EHF3_42-EHF3_12	EHF3_42	EHF3_12	8.000	143.448	0.005	168,030.599	43,250.384	Free Surface	2.261	0.364	0.284	0.243	0.235	0.941	592,605.092	No	0.243	2.261
	EHF3_9-EHF1_8	EHF3_9	EHF1_8	8.000	281.524	0.016	168,030.599	43,250.384	Free Surface	3.462	0.268	0.157	0.178	0.235	1.711	1,072,536.676	No	0.178	3.462
	EHF4_1-TOE_2592	EHF4_1	TOE_2592	8.000	38.176	0.105	168,030.599	43,250.384	Free Surface	6.747	0.168	0.061	0.112	0.235	4.274	2,752,842.869	No	0.112	6.747
	EHF7_1-EHF3_42	EHF7_1	EHF3_42	8.000	167.606	0.006	168,030.599	43,250.384	Free Surface	2.369	0.352	0.266	0.235	0.235	1.005	631,917.381	No	0.235	2.369
	EHF7_6-EHF7_1	EHF7_6	EHF7_1	8.000	274.487	0.005	168,030.599	43,250.384	Free Surface	2.338	0.355	0.271	0.237	0.235	0.987	620,813.832	No	0.237	2.338
	EHF9_10-EHF9_9	EHF9_10	EHF9_9	8.000	50.865	0.010	141,523.147	35,999.986	Free Surface	2.791	0.276	0.167	0.184	0.215	1.356	849,449.276	No	0.184	2.791
	EHF9_19-EHF10_18	EHF9_19	EHF10_18	8.000	262.829	0.006	141,523.147	35,999.986	Free Surface	2.297	0.318	0.219	0.212	0.215	1.033	647,250.479	No	0.212	2.297
	EHF9_1-GVF1_0	EHF9_1	GVF1_0	8.000	246.107	0.042	141,523.147	35,999.986	Free Surface	4.620	0.193	0.082	0.129	0.215	2.714	1,728,730.317	Yes	0.667	0.627
	EHF9_2-EHF9_1	EHF9_2	EHF9_1	8.000	361.561	0.048	141,523.147	35,999.986	Free Surface	4.855	0.187	0.076	0.125	0.215	2.905	1,854,576.605	No	0.125	4.855
	EHF9_3-EHF9_2	EHF9_3	EHF9_2	8.000	186.841	0.050	141,523.147	35,999.986	Free Surface	4.940	0.185	0.074	0.123	0.215	2.974	1,900,766.814	No	0.123	4.940
	EHF9_4-EHF9_3	EHF9_4																	

FULL BUILDOUT WITH SEPTIC PIPE TABLE

	ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (gpd)	Peakable Flow (gpd)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth (ft)	Critical Depth	Froude Number	Full Flow (gpd)	Backwater Adjustment	Adjusted Depth	Adjusted Velocity
	EHF9_9-EHF9_8	EHF9_9	EHF9_8	8.000	126.463	0.013	141,523.147	35,999.986	Free Surface	3.025	0.261	0.149	0.174	0.215	1.516	951,220.660	No	0.174	3.025
	EP_1-EP_2	EP_1	EP_2	8.000	2,935.010	0.021	192,758.604	50,014.061	Free Surface	3.952	0.269	0.158	0.179	0.253	1.949	1,221,889.131	Yes	0.223	2.917
	EP_2-EP_3	EP_2	EP_3	8.000	1,331.650	0.014	595,213.240	187,950.169	Free Surface	4.681	0.550	0.586	0.367	0.455	1.515	1,015,980.200	No	0.367	4.681
	EP_3-I25_19	EP_3	I25_19	8.000	574.890	0.017	595,213.240	187,950.169	Free Surface	4.941	0.527	0.546	0.351	0.455	1.646	1,091,092.294	Yes	0.574	2.880
	EVF1_7-EVF2_6	EVF1_7	EVF2_6	10.000	216.280	0.003	181,739.717	47,000.142	Free Surface	1.842	0.323	0.226	0.269	0.230	0.734	803,361.857	No	0.269	1.842
	EVF1A1_51-LCFA_1	EVF1A1_51	LCFA_1	21.000	93.148	0.002	2,049,274.311	818,564.812	Free Surface	3.291	0.422	0.371	0.738	0.647	0.777	5,527,552.587	Yes	0.757	3.179
	EVF1A1_52-TOE_2790	EVF1A1_52	TOE_2790	21.000	200.800	0.001	2,233,905.718	907,094.538	Free Surface	2.297	0.599	0.671	1.049	0.677	0.432	3,330,501.695	No	1.049	2.297
	EVF1A2_1-EVF1A2_50	EVF1A2_1	EVF1A2_50	21.000	186.858	0.001	2,049,274.311	818,564.812	Free Surface	2.410	0.537	0.563	0.940	0.647	0.489	3,639,275.758	Yes	0.975	2.303
	EVF1A2_50-EVF1A1_51	EVF1A2_50	EVF1A1_51	21.000	494.431	0.001	2,049,274.311	818,564.812	Free Surface	2.206	0.577	0.632	1.010	0.647	0.426	3,242,109.775	No	1.010	2.206
	EVF2_1A-EVF2_8	EVF2_1A	EVF2_8	12.000	143.991	0.004	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,587,423.739	Yes	0.121	0.000
	EVF2_2-EVF2_8	EVF2_2	EVF2_8	12.000	94.559	0.003	181,739.717	47,000.142	Free Surface	1.956	0.239	0.125	0.239	0.218	0.839	1,455,021.234	No	0.239	1.956
	EVF2_3-EVF2_2	EVF2_3	EVF2_2	12.000	95.123	0.008	181,739.717	47,000.142	Free Surface	2.600	0.195	0.084	0.195	0.218	1.241	2,176,055.790	No	0.195	2.600
	EVF2_4A-KEF1_3	EVF2_4A	KEF1_3	12.000	276.789	0.001	234,939.516	62,249.737	Free Surface	1.538	0.341	0.250	0.341	0.249	0.543	938,867.719	No	0.341	1.538
	EVF2_4-EVF2_3	EVF2_4	EVF2_3	10.000	287.309	0.002	181,739.717	47,000.142	Free Surface	1.750	0.336	0.243	0.280	0.230	0.683	748,295.666	Yes	0.548	0.740
	EVF2_5A-EVF2_4	EVF2_5A	EVF2_4	10.000	177.162	0.003	181,739.717	47,000.142	Free Surface	1.904	0.316	0.216	0.263	0.230	0.769	841,291.145	No	0.263	1.904
	EVF2_5-EVF2_4A	EVF2_5	EVF2_4A	12.000	187.149	0.002	181,739.717	47,000.142	Free Surface	1.704	0.263	0.152	0.263	0.218	0.694	1,198,908.685	No	0.263	1.704
	EVF2_6A-EVF2_5	EVF2_6A	EVF2_5	12.000	46.711	0.004	181,739.717	47,000.142	Free Surface	2.007	0.234	0.120	0.234	0.218	0.869	1,508,900.022	No	0.234	2.007
	EVF2_6-EVF2_5A	EVF2_6	EVF2_5A	10.000	220.000	0.003	181,739.717	47,000.142	Free Surface	1.831	0.325	0.228	0.271	0.230	0.727	796,540.917	No	0.271	1.831
	EVF2_7-EVF2_6A	EVF2_7	EVF2_6A	12.000	46.512	0.002	181,739.717	47,000.142	Free Surface	1.664	0.268	0.157	0.268	0.218	0.671	1,159,743.687	No	0.268	1.664
	EVF2_8-EVF2_7	EVF2_8	EVF2_7	12.000	65.379	0.003	181,739.717	47,000.142	Free Surface	1.817	0.251	0.138	0.251	0.218	0.758	1,312,395.588	No	0.251	1.817
	EVF3_47-EVF3_48	EVF3_47	EVF3_48	21.000	497.618	0.001	2,049,274.311	818,564.812	Free Surface	2.353	0.547	0.581	0.958	0.647	0.472	3,526,083.241	No	0.958	2.353
	EVF3_48-EVF1A2_1	EVF3_48	EVF1A2_1	21.000	317.062	0.001	2,049,274.311	818,564.812	Free Surface	2.385	0.542	0.571	0.948	0.647	0.481	3,588,728.736	No	0.948	2.385
	EVF4_46-EVF3_47	EVF4_46	EVF3_47	21.000	505.900	0.001	2,049,274.311	818,564.812	Free Surface	2.373	0.544	0.575	0.951	0.647	0.478	3,566,357.378	Yes	0.955	2.363
	FMF4_4_4-TOE_2970	FMF4_4_4	TOE_2970	12.000	395.686	0.004	431,189.730	128,115.312	Free Surface	2.602	0.362	0.280	0.362	0.340	0.888	1,539,983.914	No	0.362	2.602
	FMF6_1-FMF6_4_6	FMF6_1	FMF6_4_6	8.000	115.487	0.068	290,449.406	80,115.810	Free Surface	6.777	0.245	0.132	0.163	0.313	3.512	2,207,498.480	No	0.163	6.777
	FMF6_2-FMF6_1	FMF6_2	FMF6_1	8.000	150.000	0.012	290,449.406	80,115.810	Free Surface	3.626	0.385	0.314	0.257	0.313	1.462	924,118.990	No	0.257	3.626
	FMF6_4_6-TOE_2973	FMF6_4_6	TOE_2973	12.000	142.272	0.004	431,189.730	128,115.312	Free Surface	2.705	0.352	0.265	0.352	0.340	0.938	1,624,287.031	No	0.352	2.705
	FMF7_3-FMF6_2	FMF7_3	FMF6_2	8.000	270.000	0.009	290,449.406	80,115.810	Free Surface	3.337	0.410	0.352	0.273	0.313	1.297	824,426.197	No	0.273	3.337
	FMF7_4-FMF7_3	FMF7_4	FMF7_3	8.000	430.000	0.009	290,449.406	80,115.810	Free Surface	3.293	0.414	0.359	0.276	0.313	1.273	809,976.682	No	0.276	3.293
	FMF7_5-FMF7_4	FMF7_5	FMF7_4	8.000	352.996	0.010	290,449.406	80,115.810	Free Surface	3.385	0.405	0.345	0.270	0.313	1.325	841,091.527	No	0.270	3.385
	FMF8_10-FMF8_9	FMF8_10	FMF8_9	8.000	91.023	0.005	290,449.406	80,115.810	Free Surface	2.536	0.506	0.510	0.337	0.313	0.867	569,349.967	No	0.337	2.536
	FMF8_11-FMF8_10	FMF8_11	FMF8_10	8.000	71.269	0.004	290,449.406	80,115.810	Free Surface	2.533	0.506	0.511	0.338	0.313	0.865	568,446.303	No	0.338	2.533
	FMF8_1-FMF8_6	FMF8_1	FMF8_6	8.000	90.764	0.066	290,449.406	80,115.810	Free Surface	6.727	0.246	0.133	0.164	0.313	3.476	2,184,769.012	No	0.164	6.727
	FMF8_2-FMF8_1	FMF8_2	FMF8_1	8.000	74.020	0.011	290,449.406	80,115.810	Free Surface	3.489	0.396	0.331	0.264	0.313	1.384	876,399.929	No	0.264	3.489
	FMF8_3-FMF8_2	FMF8_3	FMF8_2	8.000	130.706	0.012	290,449.406	80,115.810	Free Surface	3.591	0.388	0.319	0.259	0.313	1.442	911,811.000	No	0.259	3.591
	FMF8_4-FMF8_3	FMF8_4	FMF8_3	8.000	103.656	0.009	290,449.406	80,115.810	Free Surface	3.325	0.411	0.354	0.274	0.313	1.291	820,637.465	No	0.274	3.325
	FMF8_6-FMF7_5	FMF8_6	FMF7_5	8.000	160.553	0.017	290,449.406	80,115.810	Free Surface	4.164	0.348	0.260	0.232	0.313	1.780	1,118,294.473	No	0.232	4.164
	FMF8_8-FMF8_4	FMF8_8	FMF8_4	8.000	206.870	0.017	290,449.406	80,115.810	Free Surface	4.111	0.351	0.264	0.234	0.313	1.748	1,098,701.288	No	0.234	4.111
	FMF8_9-FMF8_8	FMF8_9	FMF8_8	8.000	200.000	0.005	290,449.406	80,115.810	Free Surface	2.647	0.489	0.482	0.326	0.313	0.924	602,849.761	No	0.326	2.647
	FMF9_10-FMF9_11	FMF9_10	FMF9_11	8.000	279.830	0.012	136,463.830	34,616.147	Free Surface	2.936	0.259	0.147	0.173	0.211	1.475	925,419.375	No	0.173	2.936
	FMF9_11-FMF9_12	FMF9_11	FMF9_12	8.000	252.130	0.007	136,463.830	34,616.147	Free Surface	2.470	0.294	0.188	0.196	0.211	1.160	726,669.964	No	0.196	2.470
	FMF9_12-FMF9_13	FMF9_12	FMF9_13	8.000	39.140	0.007	136,463.830	34,616.147	Free Surface	2.479	0.293	0.187	0.195	0.211	1.166	730,217.431	No	0.195	2.479
	FMF9_13-FMF9_3	FMF9_13	FMF9_3	8.000	54.240	0.008	136,463.830	34,616.147	Free Surface	2.581	0.284	0.177	0.190	0.211	1.234	772,698.419	No	0.190	2.581
	FMF9_15-FMF9_23	FMF9_15	FMF9_23	8.000	49.960	0.007	136,463.830	34,616.147	Free Surface	2.405	0.299	0.195	0.200	0.211	1.117	699,828.864	No	0.200	2.405
	FMF9_1-TOE_2710	FMF9_1	TOE_2710	10.000	71.040	0.008	671,005.422	216,750.158	Free Surface	3.831	0.497	0.496	0.415	0.453	1.184	1,353,395.699	Yes	0.447	3.485
	FMF9_22-FMF9_9	FMF9_22	FMF9_9	8.000	371.380	0.004	136,463.830	34,616.147	Free Surface	1.949	0.349	0.261	0.232	0.211	0.832	522,713.730	No	0.232	1.949
	FMF9_23-FMF9_35	FMF9_23	FMF9_35	8.000	44.080	0.007	136,463.830	34,616.147	Free Surface	2.461	0.294	0.189	0.196	0.211	1.154	722,799.434	No	0.196	2.461
	FMF9_35-FMF9_22	FMF9_35	FMF9_22	8.000	118.160	0.006	136,463.830	34,616.147	Free Surface	2.252	0.314	0.214	0.209	0.211	1.020	638,801.265	No	0.209	2.252
	FMF9_3-FMF8_11	FMF9_3	FMF8_11	8.000	240.000	0.005	136,463.830	34,616.147	Free Surface	2.146	0.325	0.228	0.217	0.211	0.953	597,353.575	No	0.217	2.146
	FMF9_9-FMF9_10	FMF9_9	FMF9_10	8.000	281.570	0.008	136,463.830	34,616.147	Free Surface	2.543	0.288	0.180	0.192	0.211	1.208	756,648.937	No	0.192	2.543
	GVF1_0-GVF1_36	GVF1_0	GVF1_36	8.000	204.942	0.055	210,984.781	54,999.339	Free Surface	5.743	0.220	0.106	0.146	0.265	3.154	1,992,874.077	No	0.146	5.743
	GVF1_100-GVF1_101	GVF1_100	GVF1_101	8.000	115.699	0.022	484,274.444	147,000.905	Free Surface	5.217	0.430	0.385	0.287	0.409	1.971	1,259,413.660	No	0.287	5.217
	GVF1_101-GVF1_102	GVF1_101	GVF1_102	8.000	335.002	0.013	484,274.444	147,000.905	Free Surface	4.227	0.506	0.510	0.337	0.409	1.444	948,739.808	No	0.337	4.227
	GVF1_102-GVF1_103	GVF1_102	GVF1_103	8.000	55.341	0.012	484,274.444	147,000.905	Free Surface	4.104	0.518	0.531	0.345	0.409	1.382	912,285.351	No	0.345	4.104
	GVF1_103-GVF1_104	GVF1_103	GVF1_104	8.000	52.260	0.008	484,274.444	147,000.905	Free Surface	3.637	0.571	0.622	0.381	0.409	1.147	778,406.631	No	0.381	3.637
	GVF1_104-GVF1_105	GVF1_104	GVF1_105	8.000	145.575	0.026	484,274.444												

FULL BUILDOUT WITH SEPTIC PIPE TABLE

	ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (gpd)	Peakable Flow (gpd)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth (ft)	Critical Depth	Froude Number	Full Flow (gpd)	Backwater Adjustment	Adjusted Depth	Adjusted Velocity
	GVF1_108-GVF1_109	GVF1_108	GVF1_109	8.000	99.765	0.020	484,274.444	147,000.905	Free Surface	5.075	0.439	0.399	0.293	0.409	1.894	1,213,079.383	No	0.293	5.075
	GVF1_109-GVF1_111	GVF1_109	GVF1_111	8.000	210.244	0.098	484,274.444	147,000.905	Free Surface	8.941	0.289	0.183	0.193	0.409	4.232	2,650,918.354	No	0.193	8.941
	GVF1_111-GVF1_113	GVF1_111	GVF1_113	8.000	223.339	0.017	484,274.444	147,000.905	Free Surface	4.690	0.467	0.444	0.311	0.409	1.686	1,090,421.306	No	0.311	4.690
	GVF1_113-GVF1_114	GVF1_113	GVF1_114	8.000	39.937	0.009	484,274.444	147,000.905	Free Surface	3.773	0.554	0.593	0.370	0.409	1.215	816,534.936	No	0.370	3.773
	GVF1_114-GVF1_115	GVF1_114	GVF1_115	8.000	72.568	0.010	484,274.444	147,000.905	Free Surface	3.893	0.540	0.569	0.360	0.409	1.275	850,846.058	No	0.360	3.893
	GVF1_115-GVF1_116	GVF1_115	GVF1_116	8.000	41.819	0.012	484,274.444	147,000.905	Free Surface	4.218	0.507	0.512	0.338	0.409	1.440	945,977.845	No	0.338	4.218
	GVF1_116-GVF1_117	GVF1_116	GVF1_117	12.000	40.907	0.003	735,107.740	241,600.229	Free Surface	2.807	0.513	0.521	0.513	0.449	0.777	1,410,003.553	No	0.513	2.807
	GVF1_117-ECF1_118	GVF1_117	ECF1_118	12.000	319.483	0.006	887,581.330	302,350.926	Free Surface	3.786	0.470	0.450	0.402	0.496	1.107	1,974,006.450	No	0.470	3.786
	GVF1_36-GVF1_37	GVF1_36	GVF1_37	8.000	227.819	0.009	210,984.781	54,999.339	Free Surface	2.999	0.350	0.263	0.233	0.265	1.278	802,756.597	No	0.233	2.999
	GVF1_37-GVF1_40	GVF1_37	GVF1_40	8.000	112.963	0.007	210,984.781	54,999.339	Free Surface	2.767	0.371	0.294	0.248	0.265	1.140	718,352.275	No	0.248	2.767
	GVF1_40-GVF1_41	GVF1_40	GVF1_41	8.000	79.896	0.009	210,984.781	54,999.339	Free Surface	2.960	0.353	0.268	0.236	0.265	1.254	788,361.419	No	0.236	2.960
	GVF1_41-GVF1_48	GVF1_41	GVF1_48	8.000	248.288	0.014	210,984.781	54,999.339	Free Surface	3.553	0.309	0.208	0.206	0.265	1.622	1,015,806.873	No	0.206	3.553
	GVF1_48-GVF1_50	GVF1_48	GVF1_50	8.000	155.948	0.014	210,984.781	54,999.339	Free Surface	3.538	0.310	0.209	0.207	0.265	1.612	1,009,879.222	No	0.207	3.538
	GVF1_50-GVF1_51	GVF1_50	GVF1_51	8.000	261.911	0.017	210,984.781	54,999.339	Free Surface	3.758	0.297	0.192	0.198	0.265	1.754	1,098,295.807	No	0.198	3.758
	GVF1_51-GVF1_52	GVF1_51	GVF1_52	10.000	141.579	0.004	334,096.791	94,599.324	Free Surface	2.524	0.402	0.339	0.335	0.315	0.889	984,481.446	No	0.335	2.524
	GVF1_52-GVF1_53	GVF1_52	GVF1_53	10.000	86.625	0.005	334,096.791	94,599.324	Free Surface	2.613	0.391	0.324	0.326	0.315	0.934	1,032,056.782	No	0.326	2.613
	GVF1_53-GVF1_56	GVF1_53	GVF1_56	10.000	84.916	0.006	334,096.791	94,599.324	Free Surface	2.942	0.358	0.275	0.299	0.315	1.106	1,215,168.899	No	0.299	2.942
	GVF1_56-GVF1_57	GVF1_56	GVF1_57	10.000	59.986	0.004	334,096.791	94,599.324	Free Surface	2.464	0.409	0.351	0.341	0.315	0.858	952,430.183	No	0.341	2.464
	GVF1_57-GVF1_58	GVF1_57	GVF1_58	10.000	135.171	0.004	334,096.791	94,599.324	Free Surface	2.467	0.409	0.350	0.340	0.315	0.860	954,010.335	No	0.340	2.467
	GVF1_58-GVF1_59	GVF1_58	GVF1_59	10.000	137.845	0.006	334,096.791	94,599.324	Free Surface	2.813	0.370	0.293	0.309	0.315	1.037	1,142,103.592	No	0.309	2.813
	GVF1_59-GVF1_60	GVF1_59	GVF1_60	10.000	183.929	0.005	334,096.791	94,599.324	Free Surface	2.682	0.384	0.312	0.320	0.315	0.969	1,069,948.622	No	0.320	2.682
	GVF1_60-GVF1_61	GVF1_60	GVF1_61	12.000	184.669	0.003	334,096.791	94,599.324	Free Surface	2.100	0.351	0.265	0.351	0.298	0.729	1,261,822.207	No	0.351	2.100
	GVF1_61-GVF1_78	GVF1_61	GVF1_78	12.000	63.774	0.005	334,096.791	94,599.324	Free Surface	2.619	0.299	0.195	0.299	0.298	0.994	1,715,481.944	No	0.299	2.619
	GVF1_78-GVF1_80	GVF1_78	GVF1_80	12.000	209.783	0.002	334,096.791	94,599.324	Free Surface	1.941	0.372	0.295	0.372	0.298	0.652	1,132,388.242	No	0.372	1.941
	GVF1_80-GVF1_90	GVF1_80	GVF1_90	12.000	224.665	0.002	334,096.791	94,599.324	Free Surface	1.971	0.368	0.289	0.368	0.298	0.666	1,156,110.201	No	0.368	1.971
	GVF1_90-GVF1_91	GVF1_90	GVF1_91	12.000	52.638	0.002	334,096.791	94,599.324	Free Surface	2.077	0.354	0.269	0.354	0.298	0.717	1,242,996.882	No	0.354	2.077
	GVF1_91-GVF1_116	GVF1_91	GVF1_116	12.000	200.994	0.018	334,096.791	94,599.324	Free Surface	4.198	0.214	0.100	0.214	0.298	1.909	3,328,739.672	No	0.214	4.198
	GVF1_95-GVF1_96	GVF1_95	GVF1_96	8.000	76.100	0.018	484,274.444	147,000.905	Free Surface	4.868	0.454	0.422	0.302	0.409	1.781	1,146,508.437	No	0.302	4.868
	GVF1_96-GVF1_97	GVF1_96	GVF1_97	8.000	154.304	0.030	484,274.444	147,000.905	Free Surface	5.850	0.395	0.329	0.263	0.409	2.326	1,472,658.535	No	0.263	5.850
	GVF1_97-GVF1_98	GVF1_97	GVF1_98	8.000	114.319	0.033	484,274.444	147,000.905	Free Surface	6.016	0.387	0.316	0.258	0.409	2.421	1,530,300.191	No	0.258	6.016
	GVF1_98-GVF1_99	GVF1_98	GVF1_99	8.000	92.578	0.048	484,274.444	147,000.905	Free Surface	6.913	0.349	0.261	0.233	0.409	2.950	1,853,624.894	No	0.233	6.913
	GVF1_99-GVF1_100	GVF1_99	GVF1_100	8.000	81.192	0.048	484,274.444	147,000.905	Free Surface	6.903	0.349	0.262	0.233	0.409	2.944	1,849,699.823	No	0.233	6.903
	HWY52_10-HWY52_11	HWY52_10	HWY52_11	24.000	846.399	0.004	7,849,358.056	4,049,196.395	Free Surface	5.382	0.675	0.798	1.350	1.252	0.864	9,841,403.736	No	1.350	5.382
	HWY52_11-HWY52_12	HWY52_11	HWY52_12	24.000	1,011.369	0.004	8,041,523.477	4,167,482.271	Free Surface	5.415	0.686	0.815	1.372	1.268	0.858	9,862,350.656	Yes	1.573	4.694
	HWY52_12-TOE_2904	HWY52_12	TOE_2904	36.000	2,039.210	0.001	8,041,523.477	4,167,482.271	Free Surface	2.679	0.625	0.714	1.874	1.120	0.373	11,264,072.713	Yes	2.084	2.374
	HWY52_1-HWY52_2	HWY52_1	HWY52_2	24.000	1,163.227	0.004	5,678,663.644	2,754,246.643	Free Surface	5.055	0.542	0.572	1.084	1.057	0.954	9,932,906.547	No	1.084	5.055
	HWY52_2-HWY52_3	HWY52_2	HWY52_3	24.000	395.061	0.005	5,678,663.644	2,754,246.643	Free Surface	5.531	0.504	0.508	1.009	1.057	1.094	11,186,622.998	No	1.009	5.531
	HWY52_3-HWY52_4	HWY52_3	HWY52_4	24.000	1,124.165	0.005	5,678,663.644	2,754,246.643	Free Surface	5.612	0.499	0.498	0.997	1.057	1.118	11,407,795.711	No	0.997	5.612
	HWY52_4-HWY52_5	HWY52_4	HWY52_5	24.000	2,511.550	0.004	5,678,663.644	2,754,246.643	Free Surface	5.062	0.541	0.571	1.083	1.057	0.956	9,951,084.187	No	1.083	5.062
	HWY52_5-HWY52_6	HWY52_5	HWY52_6	24.000	331.960	0.030	7,526,975.601	3,851,997.110	Free Surface	11.502	0.359	0.275	0.717	1.225	2.790	27,357,606.246	Yes	0.916	8.304
	HWY52_6-HWY52_7	HWY52_6	HWY52_7	24.000	1,494.240	0.005	7,526,975.601	3,851,997.110	Free Surface	5.834	0.607	0.684	1.214	1.225	1.017	11,001,508.941	No	1.214	5.834
	HWY52_7-HWY52_8	HWY52_7	HWY52_8	24.000	982.740	0.005	7,570,039.594	3,878,246.860	Free Surface	5.843	0.609	0.688	1.219	1.229	1.016	11,006,634.371	No	1.219	5.843
	HWY52_8-HWY52_9	HWY52_8	HWY52_9	24.000	1,745.531	0.012	7,822,616.402	4,032,780.402	Free Surface	8.309	0.471	0.452	0.943	1.250	1.714	17,307,674.328	Yes	1.103	6.814
	HWY52_9-HWY52_10	HWY52_9	HWY52_10	24.000	691.522	0.004	7,822,616.402	4,032,780.402	Free Surface	5.307	0.682	0.808	1.363	1.250	0.845	9,682,028.669	No	1.363	5.307
	I25_10-I25_11	I25_10	I25_11	18.000	688.030	0.001	1,886,395.317	741,710.601	Free Surface	2.452	0.638	0.736	0.957	0.649	0.476	2,561,321.452	No	0.957	2.452
	I25_11-I25_12	I25_11	I25_12	18.000	964.920	0.001	1,886,395.317	741,710.601	Free Surface	2.522	0.623	0.711	0.934	0.649	0.498	2,654,227.110	No	0.934	2.522
	I25_12-I25_13	I25_12	I25_13	18.000	199.510	0.001	1,886,395.317	741,710.601	Free Surface	2.449	0.639	0.738	0.958	0.649	0.475	2,557,714.201	No	0.958	2.449
	I25_13-I25_14	I25_13	I25_14	18.000	265.210	0.001	1,886,395.317	741,710.601	Free Surface	2.421	0.645	0.748	0.968	0.649	0.466	2,521,242.547	Yes	1.003	2.325
	I25_14-I25_15	I25_14	I25_15	18.000	250.010	0.001	2,359,200.059	967,976.276	Free Surface	2.539	0.758	0.924	1.137	0.730	0.423	2,554,527.990	No	1.137	2.539
	I25_15-I25_16	I25_15	I25_16	18.000	1,021.150	0.001	2,359,200.059	967,976.276	Free Surface	2.543	0.757	0.922	1.136	0.730	0.424	2,559,390.262	No	1.136	2.543
	I25_16-I25_17	I25_16	I25_17	18.000	1,355.770	0.001	2,359,200.059	967,976.276	Free Surface	2.534	0.760	0.925	1.140	0.730	0.421	2,549,137.288	No	1.140	2.534
	I25_17-I25_18	I25_17	I25_18	18.000	1,210.030	0.028	2,691,908.224	1,132,584.054	Free Surface	8.640	0.317	0.218	0.476	0.782	2.591	12,328,705.003	No	0.476	8.640
	I25_18-I25_19	I25_18	I25_19	18.000	615.110	0.023	2,691,908.224	1,132,584.054	Free Surface	8.085	0.333	0.239	0.500	0.782	2.361	11,243,987.478	Yes	0.649	5.691
	I25_19-I25_20	I25_19	I25_20	18.000	350.670	0.005	3,311,588.041	1,449,385.374	Free Surface	4.644	0.598	0.669	0.897	0.871	0.945	4,950,031.529	No	0.897	4.644
	I25_1-I25_2	I25_1	I25_2	8.000	2,762.520	0.010	224,899.684	59,018.378	Free Surface	3.188	0.351	0.264							

FULL BUILDOUT WITH SEPTIC PIPE TABLE

	ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (gpd)	Peakable Flow (gpd)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth (ft)	Critical Depth	Froude Number	Full Flow (gpd)	Backwater Adjustment	Adjusted Depth	Adjusted Velocity
	I25_24-I25_25	I25_24	I25_25	24.000	898.605	0.001	3,952,736.065	1,789,301.566	Free Surface	2.939	0.629	0.721	1.258	0.875	0.499	5,480,374.998	No	1.258	2.939
	I25_25-I25_26	I25_25	I25_26	24.000	876.779	0.001	3,952,736.065	1,789,301.566	Free Surface	2.945	0.628	0.719	1.256	0.875	0.501	5,496,072.039	No	1.256	2.945
	I25_26-I25_27	I25_26	I25_27	24.000	1,011.620	0.003	4,216,173.029	1,932,146.632	Free Surface	4.290	0.487	0.479	0.975	0.905	0.867	8,805,912.290	Yes	1.005	4.128
	I25_27-I25_28	I25_27	I25_28	24.000	817.040	0.002	4,216,173.029	1,932,146.632	Free Surface	3.547	0.567	0.615	1.135	0.905	0.649	6,850,195.904	No	1.135	3.547
	I25_28-I25_29	I25_28	I25_29	24.000	690.810	0.001	4,216,173.029	1,932,146.632	Free Surface	3.218	0.615	0.698	1.230	0.905	0.556	6,042,595.868	No	1.230	3.218
	I25_29-I25_30	I25_29	I25_30	24.000	2,626.620	0.007	4,479,073.025	2,076,414.418	Free Surface	5.937	0.398	0.335	0.797	0.934	1.355	13,386,284.582	Yes	0.998	4.423
	I25_2-I25_3	I25_2	I25_3	8.000	354.910	0.025	858,146.771	290,414.771	Free Surface	6.341	0.579	0.635	0.386	0.544	1.982	1,350,907.908	Yes	0.430	5.572
	I25_30-I25_31	I25_30	I25_31	24.000	1,812.250	0.002	4,691,727.019	2,194,299.974	Free Surface	3.361	0.650	0.756	1.299	0.957	0.557	6,209,171.960	No	1.299	3.361
	I25_31-I25_32	I25_31	I25_32	24.000	395.150	0.002	4,691,727.019	2,194,299.974	Free Surface	3.374	0.647	0.752	1.295	0.957	0.560	6,240,031.494	No	1.295	3.374
	I25_32-I25_33	I25_32	I25_33	24.000	346.170	0.002	4,691,727.019	2,194,299.974	Free Surface	3.363	0.649	0.755	1.298	0.957	0.557	6,214,355.271	No	1.298	3.363
	I25_33-I25_34	I25_33	I25_34	24.000	1,017.760	0.002	4,691,727.019	2,194,299.974	Free Surface	3.365	0.649	0.755	1.298	0.957	0.558	6,217,881.876	No	1.298	3.365
	I25_34-I25_35	I25_34	I25_35	24.000	1,013.810	0.002	4,691,727.019	2,194,299.974	Free Surface	3.362	0.649	0.756	1.299	0.957	0.557	6,209,983.139	No	1.299	3.362
	I25_35-I25_36	I25_35	I25_36	24.000	1,644.530	0.002	4,691,727.019	2,194,299.974	Free Surface	3.984	0.563	0.608	1.126	0.957	0.733	7,714,323.017	Yes	1.145	3.904
	I25_36-HWY52_1	I25_36	HWY52_1	24.000	1,105.630	0.002	5,516,260.542	2,660,730.198	Free Surface	4.079	0.632	0.726	1.264	1.041	0.690	7,597,281.363	No	1.264	4.079
	I25_3-I25_4	I25_3	I25_4	12.000	302.263	0.003	858,146.771	290,414.771	Free Surface	2.841	0.575	0.629	0.575	0.487	0.728	1,364,818.812	No	0.575	2.841
	I25_4-I25_5	I25_4	I25_5	12.000	198.800	0.010	1,237,624.670	449,107.031	Free Surface	4.832	0.504	0.506	0.504	0.590	1.353	2,445,202.202	No	0.504	4.832
	I25_5-I25_6	I25_5	I25_6	12.000	307.689	0.009	1,237,624.670	449,107.031	Free Surface	4.807	0.506	0.510	0.506	0.590	1.342	2,428,226.428	No	0.506	4.807
	I25_6-I25_7	I25_6	I25_7	12.000	370.130	0.009	1,237,624.670	449,107.031	Free Surface	4.658	0.518	0.531	0.518	0.590	1.280	2,329,279.156	No	0.518	4.658
	I25_7-I25_8	I25_7	I25_8	12.000	300.680	0.009	1,237,624.670	449,107.031	Free Surface	4.647	0.519	0.533	0.519	0.590	1.275	2,321,366.854	Yes	0.559	4.238
	I25_8-I25_9	I25_8	I25_9	15.000	958.300	0.002	1,237,624.670	449,107.031	Free Surface	2.712	0.559	0.602	0.699	0.551	0.634	2,056,167.396	No	0.699	2.712
	I25_9-I25_10	I25_9	I25_10	15.000	964.580	0.009	1,886,395.317	741,710.601	Free Surface	5.173	0.468	0.447	0.585	0.687	1.356	4,221,921.089	Yes	0.676	4.307
	KEF1_10-KEF1_1	KEF1_10	KEF1_1	12.000	425.192	0.002	24,001.911	6,000.478	Free Surface	0.833	0.106	0.024	0.106	0.078	0.545	1,014,852.200	Yes	0.261	0.227
	KEF1_1A-KEF1_2A	KEF1_1A	KEF1_2A	12.000	304.802	0.002	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,118,928.838	No	0.000	0.000
	KEF1_1-KEF1_80	KEF1_1	KEF1_80	12.000	111.462	0.002	429,452.694	127,500.432	Free Surface	2.147	0.416	0.363	0.416	0.340	0.675	1,184,548.524	No	0.416	2.147
	KEF1_2A-KEF1_3A	KEF1_2A	KEF1_3A	12.000	190.988	0.002	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,158,870.443	No	0.000	0.000
	KEF1_2-KEF1_1	KEF1_2	KEF1_1	12.000	128.808	0.002	412,501.345	121,499.954	Free Surface	1.953	0.434	0.390	0.434	0.333	0.600	1,056,910.315	No	0.434	1.953
	KEF1_3A-KEF1_4	KEF1_3A	KEF1_4	12.000	265.620	0.002	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,138,143.873	No	0.000	0.000
	KEF1_3-KEF1_2	KEF1_3	KEF1_2	12.000	39.537	0.003	412,501.345	121,499.954	Free Surface	2.442	0.367	0.288	0.367	0.333	0.826	1,434,221.176	Yes	0.400	2.172
	KEF1_4-KEF1_5	KEF1_4	KEF1_5	12.000	97.079	0.002	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,046,665.307	No	0.000	0.000
	KEF1_5-KEF1_6	KEF1_5	KEF1_6	12.000	126.404	0.002	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,134,362.985	No	0.000	0.000
	KEF1_6-KEF1_7	KEF1_6	KEF1_7	12.000	300.782	0.003	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,281,839.995	No	0.000	0.000
	KEF1_7-KEF1_8	KEF1_7	KEF1_8	12.000	129.689	0.001	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	850,629.580	No	0.000	0.000
	KEF1_80-KEF1_81	KEF1_80	KEF1_81	12.000	67.889	0.003	429,452.694	127,500.432	Free Surface	2.235	0.404	0.343	0.404	0.340	0.716	1,251,614.374	No	0.404	2.235
	KEF1_81-KEF1_82	KEF1_81	KEF1_82	12.000	250.893	0.002	429,452.694	127,500.432	Free Surface	2.198	0.409	0.351	0.409	0.340	0.699	1,223,144.117	No	0.409	2.198
	KEF1_82-KEF1_83	KEF1_82	KEF1_83	12.000	254.412	0.002	429,452.694	127,500.432	Free Surface	2.015	0.437	0.395	0.437	0.340	0.616	1,086,419.681	No	0.437	2.015
	KEF1_83-TOE_2859	KEF1_83	TOE_2859	12.000	374.323	0.006	429,452.694	127,500.432	Free Surface	3.151	0.314	0.214	0.314	0.340	1.165	2,011,085.908	No	0.314	3.151
	KEF1_8-KEF1_9	KEF1_8	KEF1_9	12.000	250.713	0.002	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,203,016.022	No	0.000	0.000
	KEF1_9-KEF1_10	KEF1_9	KEF1_10	12.000	123.304	0.003	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,388,512.128	Yes	0.023	0.000
	KFF1_10-KFF1_9	KFF1_10	KFF1_9	12.000	223.577	0.002	225,620.011	59,250.218	Free Surface	1.563	0.327	0.231	0.327	0.244	0.565	975,375.446	No	0.327	1.563
	KFF1_11-KFF1_10	KFF1_11	KFF1_10	12.000	287.986	0.001	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	896,523.512	Yes	0.129	0.000
	KFF1_14-KFF1_11	KFF1_14	KFF1_11	12.000	334.039	0.001	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	957,955.485	No	0.000	0.000
	KFF1_15-KFF1_14	KFF1_15	KFF1_14	12.000	345.637	0.002	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,084,657.167	No	0.000	0.000
	KFF1_16-KFF1_15	KFF1_16	KFF1_15	12.000	234.800	0.002	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,243,115.538	No	0.000	0.000
	KFF1_9-KEF1_3	KFF1_9	KEF1_3	12.000	283.847	0.002	225,620.011	59,250.218	Free Surface	1.694	0.309	0.207	0.309	0.244	0.632	1,090,939.541	No	0.309	1.694
	LCFA_10-LCFA_9	LCFA_10	LCFA_9	8.000	313.750	0.007	186,414.715	48,278.862	Free Surface	2.713	0.344	0.254	0.229	0.248	1.167	732,621.515	No	0.229	2.713
	LCFA_11-LCFA_10	LCFA_11	LCFA_10	8.000	349.730	0.007	186,414.715	48,278.862	Free Surface	2.717	0.344	0.254	0.229	0.248	1.169	734,256.516	No	0.229	2.717
	LCFA_12-LCFA_11	LCFA_12	LCFA_11	8.000	136.970	0.006	186,414.715	48,278.862	Free Surface	2.472	0.368	0.289	0.246	0.248	1.023	644,264.831	No	0.246	2.472
	LCFA_13-LCFA_12	LCFA_13	LCFA_12	8.000	127.450	0.008	186,414.715	48,278.862	Free Surface	2.821	0.334	0.241	0.223	0.248	1.233	773,653.723	No	0.223	2.821
	LCFA_14-LCFA_13	LCFA_14	LCFA_13	8.000	231.150	0.007	186,414.715	48,278.862	Free Surface	2.598	0.355	0.270	0.237	0.248	1.098	690,180.006	No	0.237	2.598
	LCFA_15-LCFA_14	LCFA_15	LCFA_14	8.000	166.004	0.007	186,414.715	48,278.862	Free Surface	2.624	0.352	0.266	0.235	0.248	1.113	699,836.302	No	0.235	2.624
	LCFA_16-LCFA_15	LCFA_16	LCFA_15	8.000	153.370	0.010	186,414.715	48,278.862	Free Surface	2.991	0.320	0.222	0.214	0.248	1.339	838,955.698	No	0.214	2.991
	LCFA_17-LCFA_16	LCFA_17	LCFA_16	8.000	253.950	0.034	186,414.715	48,278.862	Free Surface	4.661	0.233	0.119	0.156	0.248	2.480	1,562,036.128	No	0.156	4.661
	LCFA_1-EVF1A1_52	LCFA_1	EVF1A1_52	21.000	283.048	0.002	2,233,905.718	907,094.538	Free Surface	3.351	0.444	0.407	0.777	0.677	0.767	5,492,249.176	Yes	0.913	2.724
	LCFA_3-LCFA_1	LCFA_3	LCFA_1	8.000	197.180	0.029	316,240.035	88,529.727	Free Surface	5.099	0.319	0.221	0.213	0.327	2.287	1,433,080.656	Yes	0.495	1.761
	LCFA_4-LCFA_3	LCFA_4	LCFA_3	8.000	231.800	0.004	316,240.035	88,529.727	Free Surface	2.416	0.563	0.608	0.375	0.327	0.769	519,716.515	No	0.375	2.416
	LCFA_5-LCFA_4	LCFA_5	LCFA_4	8.000	301.080	0.004	316,240.035	88,529.727	Free Surface	2.472	0.553	0.590	0.368	0.327	0.797	535,566			

FULL BUILDOUT WITH SEPTIC PIPE TABLE

	ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (gpd)	Peakable Flow (gpd)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth (ft)	Critical Depth	Froude Number	Full Flow (gpd)	Backwater Adjustment	Adjusted Depth	Adjusted Velocity
	LCFA_9-LCFA_8	LCFA_9	LCFA_8	8.000	78.140	0.006	186,414.715	48,278.862	Free Surface	2.450	0.371	0.293	0.247	0.248	1.010	636,580.370	No	0.247	2.450
	LCFB_1-LCFA_7	LCFB_1	LCFA_7	8.000	119.310	0.004	118,674.618	29,750.389	Free Surface	1.956	0.314	0.214	0.209	0.197	0.885	554,638.832	No	0.209	1.956
	LCFB_2-LCFB_1	LCFB_2	LCFB_1	8.000	129.900	0.006	118,674.618	29,750.389	Free Surface	2.250	0.284	0.176	0.189	0.197	1.076	674,009.407	No	0.189	2.250
	LCFB_3-LCFB_2	LCFB_3	LCFB_2	8.000	219.450	0.007	118,674.618	29,750.389	Free Surface	2.336	0.276	0.167	0.184	0.197	1.134	710,650.679	No	0.184	2.336
	LCFB_4-LCFB_3	LCFB_4	LCFB_3	8.000	93.380	0.008	118,674.618	29,750.389	Free Surface	2.440	0.268	0.157	0.179	0.197	1.205	755,183.569	No	0.179	2.440
	NMS_10-NMS_9	NMS_10	NMS_9	10.000	29.440	0.040	512,999.807	157,499.941	Free Surface	6.475	0.276	0.167	0.230	0.394	2.813	3,079,396.698	No	0.230	6.475
	NMS_11-NMS_10	NMS_11	NMS_10	10.000	400.000	0.010	512,999.807	157,499.941	Free Surface	3.926	0.398	0.334	0.331	0.394	1.390	1,538,131.757	No	0.331	3.926
	NMS_12-NMS_11	NMS_12	NMS_11	10.000	400.000	0.008	512,999.807	157,499.941	Free Surface	3.618	0.423	0.373	0.352	0.394	1.235	1,375,746.867	No	0.352	3.618
	NMS_13-NMS_12	NMS_13	NMS_12	10.000	400.000	0.008	512,999.807	157,499.941	Free Surface	3.618	0.423	0.373	0.352	0.394	1.235	1,375,746.867	No	0.352	3.618
	NMS_14-NMS_13	NMS_14	NMS_13	10.000	89.260	0.009	512,999.807	157,499.941	Free Surface	3.772	0.410	0.352	0.342	0.394	1.312	1,456,163.333	No	0.342	3.772
	NMS_15-NMS_14	NMS_15	NMS_14	10.000	119.200	0.010	512,999.807	157,499.941	Free Surface	3.935	0.397	0.332	0.331	0.394	1.394	1,543,284.642	No	0.331	3.935
	NMS_16-NMS_15	NMS_16	NMS_15	10.000	374.790	0.007	512,999.807	157,499.941	Free Surface	3.443	0.439	0.399	0.366	0.394	1.149	1,286,027.298	No	0.366	3.443
	NMS_17-NMS_16	NMS_17	NMS_16	10.000	332.270	0.020	512,999.807	157,499.941	Free Surface	5.048	0.330	0.236	0.275	0.394	1.986	2,175,999.523	No	0.275	5.048
	NMS_18-NMS_17	NMS_18	NMS_17	10.000	332.270	0.033	512,999.807	157,499.941	Free Surface	6.039	0.290	0.184	0.242	0.394	2.553	2,793,529.425	No	0.242	6.039
	NMS_19-NMS_18	NMS_19	NMS_18	10.000	104.120	0.030	512,999.807	157,499.941	Free Surface	5.835	0.297	0.193	0.248	0.394	2.434	2,662,586.687	No	0.248	5.835
	NMS_1-FM9_1	NMS_1	FM9_1	10.000	114.510	0.060	512,999.807	157,499.941	Free Surface	7.476	0.249	0.136	0.208	0.394	3.433	3,767,473.447	No	0.208	7.476
	NMS_20-NMS_19	NMS_20	NMS_19	10.000	98.110	0.010	512,999.807	157,499.941	Free Surface	3.924	0.398	0.334	0.332	0.394	1.389	1,537,269.246	No	0.332	3.924
	NMS_2-NMS_1	NMS_2	NMS_1	10.000	87.230	0.040	512,999.807	157,499.941	Free Surface	6.471	0.276	0.167	0.230	0.394	2.811	3,076,616.155	No	0.230	6.471
	NMS_3-NMS_2	NMS_3	NMS_2	10.000	113.730	0.010	512,999.807	157,499.941	Free Surface	3.929	0.397	0.333	0.331	0.394	1.391	1,539,956.471	No	0.331	3.929
	NMS_4-NMS_3	NMS_4	NMS_3	10.000	270.690	0.010	512,999.807	157,499.941	Free Surface	3.922	0.398	0.334	0.332	0.394	1.388	1,536,170.126	No	0.332	3.922
	NMS_5-NMS_4	NMS_5	NMS_4	10.000	55.800	0.030	512,999.807	157,499.941	Free Surface	5.845	0.297	0.192	0.248	0.394	2.440	2,668,892.495	No	0.248	5.845
	NMS_6-NMS_5	NMS_6	NMS_5	10.000	56.570	0.030	512,999.807	157,499.941	Free Surface	5.841	0.297	0.192	0.248	0.394	2.437	2,666,397.603	No	0.248	5.841
	NMS_7-NMS_6	NMS_7	NMS_6	10.000	55.470	0.030	512,999.807	157,499.941	Free Surface	5.833	0.298	0.193	0.248	0.394	2.432	2,660,838.404	No	0.248	5.833
	NMS_8-NMS_7	NMS_8	NMS_7	10.000	400.000	0.010	512,999.807	157,499.941	Free Surface	3.926	0.398	0.334	0.331	0.394	1.390	1,538,131.757	No	0.331	3.926
	NMS_9-NMS_8	NMS_9	NMS_8	10.000	400.000	0.008	512,999.807	157,499.941	Free Surface	3.691	0.417	0.363	0.347	0.394	1.271	1,413,910.415	No	0.347	3.691
	OGF1_17-OGF1_18	OGF1_17	OGF1_18	10.000	85.519	0.016	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,932,538.745	No	0.000	0.000
	OGF1_18-OGF1_25	OGF1_18	OGF1_25	10.000	68.819	0.014	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,816,667.672	No	0.000	0.000
	OGF1_1-OGF1_2	OGF1_1	OGF1_2	10.000	389.725	0.011	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,579,556.344	No	0.000	0.000
	OGF1_25-OGF1_75	OGF1_25	OGF1_75	10.000	202.386	0.005	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,123,609.766	Yes	0.012	0.000
	OGF1_2-OGF1_3	OGF1_2	OGF1_3	10.000	76.361	0.005	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,099,236.929	No	0.000	0.000
	OGF1_3-OGF1_4	OGF1_3	OGF1_4	10.000	302.094	0.018	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	2,048,825.511	No	0.000	0.000
	OGF1_4-OGF1_5	OGF1_4	OGF1_5	10.000	93.410	0.011	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,583,489.455	No	0.000	0.000
	OGF1_5-OGF1_17	OGF1_5	OGF1_17	10.000	49.146	0.013	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,741,483.745	No	0.000	0.000
	OGF1_69-OGF1_70	OGF1_69	OGF1_70	10.000	90.809	0.005	238,514.304	63,400.296	Free Surface	2.445	0.321	0.223	0.267	0.264	0.978	1,070,666.651	No	0.267	2.445
	OGF1_70-OGF1_71	OGF1_70	OGF1_71	10.000	96.964	0.005	238,514.304	63,400.296	Free Surface	2.407	0.324	0.228	0.270	0.264	0.957	1,047,841.622	No	0.270	2.407
	OGF1_71-OGF1_72	OGF1_71	OGF1_72	10.000	93.080	0.002	238,514.304	63,400.296	Free Surface	1.598	0.440	0.400	0.366	0.264	0.533	596,524.643	No	0.366	1.598
	OGF1_72-OGF1_73	OGF1_72	OGF1_73	10.000	85.671	0.009	238,514.304	63,400.296	Free Surface	3.036	0.274	0.165	0.229	0.264	1.323	1,448,715.520	Yes	0.251	2.665
	OGF1_73-OGF1_74	OGF1_73	OGF1_74	10.000	191.425	0.004	238,514.304	63,400.296	Free Surface	2.369	0.328	0.233	0.273	0.264	0.936	1,024,951.498	No	0.273	2.369
	OGF1_74-OGF1_75	OGF1_74	OGF1_75	10.000	100.813	0.009	238,514.304	63,400.296	Free Surface	3.043	0.274	0.164	0.228	0.264	1.328	1,453,305.584	Yes	0.241	2.820
	OGF1_75-TOE_2622	OGF1_75	TOE_2622	10.000	194.676	0.006	238,514.304	63,400.296	Free Surface	2.625	0.305	0.202	0.254	0.264	1.081	1,182,188.388	No	0.254	2.625
	OGF2_29-OGF2_31	OGF2_29	OGF2_31	8.000	229.146	0.011	57,000.939	14,250.235	Free Surface	2.203	0.172	0.064	0.115	0.135	1.376	884,315.641	No	0.115	2.203
	OGF2_31-OGF2_32	OGF2_31	OGF2_32	8.000	236.759	0.022	57,000.939	14,250.235	Free Surface	2.827	0.145	0.045	0.097	0.135	1.932	1,260,843.418	No	0.097	2.827
	OGF2_32-OGF2_33	OGF2_32	OGF2_33	8.000	236.902	0.020	57,000.939	14,250.235	Free Surface	2.742	0.148	0.047	0.099	0.135	1.854	1,207,535.197	No	0.099	2.742
	OGF2_33-OGF2_34	OGF2_33	OGF2_34	8.000	190.439	0.009	57,000.939	14,250.235	Free Surface	2.059	0.180	0.071	0.120	0.135	1.256	803,865.810	No	0.120	2.059
	OGF2_34-OGF2_46	OGF2_34	OGF2_46	8.000	282.567	0.009	57,000.939	14,250.235	Free Surface	2.063	0.180	0.071	0.120	0.135	1.259	805,885.247	No	0.120	2.063
	OGF2_46-OGF2_49	OGF2_46	OGF2_49	8.000	124.327	0.015	57,000.939	14,250.235	Free Surface	2.451	0.160	0.055	0.107	0.135	1.591	1,029,214.197	No	0.107	2.451
	OGF2_49-OGF2_50	OGF2_49	OGF2_50	8.000	119.294	0.011	57,000.939	14,250.235	Free Surface	2.181	0.173	0.065	0.116	0.135	1.357	871,847.331	No	0.116	2.181
	OGF2_50-OGF2_65	OGF2_50	OGF2_65	8.000	185.079	0.002	57,000.939	14,250.235	Free Surface	1.266	0.254	0.141	0.169	0.135	0.644	404,119.324	Yes	0.215	0.905
	OGF2_65-OGF2_68	OGF2_65	OGF2_68	10.000	168.652	0.003	238,514.304	63,400.296	Free Surface	1.986	0.373	0.297	0.311	0.264	0.729	803,297.351	No	0.311	1.986
	OGF2_68-OGF1_69	OGF2_68	OGF1_69	10.000	289.307	0.010	238,514.304	63,400.296	Free Surface	3.152	0.267	0.156	0.223	0.264	1.394	1,526,638.745	Yes	0.245	2.758
	OTF1_101-OTF1_102	OTF1_101	OTF1_102	12.000	360.260	0.003	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,263,957.034	No	0.000	0.000
	OTF1_102-OTF1_103	OTF1_102	OTF1_103	12.000	415.146	0.001	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	776,382.060	Yes	0.275	0.000
	OTF1_103-TOE_2798	OTF1_103	TOE_2798	12.000	319.000	0.007	520,284.568	160,162.500	Free Surface	3.485	0.335	0.242	0.335	0.375	1.242	2,146,766.242	Yes	0.345	3.347
	OTF1_108-TOE_3005	OTF1_108	TOE_3005	16.000	25.799	0.261	694,293.725	225,696.875	Free Surface	12.948	0.109	0.025	0.146	0.400	7.228	27,512,267.951	Yes	0.446	2.626
	OTF1_30-OTF1_37	OTF1_30	OTF1_37	8.000	188.540	0.004	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	505,707.818	No	0.000	0.000
	OTF1_37-OTF1_43	OTF1_37	OTF1_43	8.000	385.010	0.004	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	567,011.375	Yes	0.158	0.000
	OTF1_43-OTF1_44	OTF1_43	OTF1_44	8.000	466.022	0.004													

FULL BUILDOUT WITH SEPTIC PIPE TABLE

	ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (gpd)	Peakable Flow (gpd)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth (ft)	Critical Depth	Froude Number	Full Flow (gpd)	Backwater Adjustment	Adjusted Depth	Adjusted Velocity
	OTF1_47-OTF1_48	OTF1_47	OTF1_48	10.000	474.640	0.004	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	978,277.047	No	0.000	0.000
	OTF1_48-OTF1_62	OTF1_48	OTF1_62	10.000	436.432	0.003	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	842,696.068	Yes	0.107	0.000
	OTF1_60A-OTF1_61A	OTF1_60A	OTF1_61A	24.000	31.746	0.004	2,326,551.242	952,038.362	Free Surface	3.944	0.332	0.238	0.665	0.664	0.999	9,764,428.122	No	0.665	3.944
	OTF1_61A-TOE_2825	OTF1_61A	TOE_2825	24.000	191.263	0.005	2,326,551.242	952,038.362	Free Surface	4.216	0.317	0.217	0.633	0.664	1.097	10,711,431.840	No	0.633	4.216
	OTF1_62-OTF1_64	OTF1_62	OTF1_64	10.000	483.405	0.003	111,997.398	27,999.349	Free Surface	1.566	0.257	0.144	0.214	0.179	0.708	775,872.865	No	0.214	1.566
	OTF1_64-OTF1_82	OTF1_64	OTF1_82	10.000	469.703	0.003	111,997.398	27,999.349	Free Surface	1.622	0.250	0.137	0.209	0.179	0.743	815,396.316	Yes	0.210	1.606
	OTF1_65-OTF1_80	OTF1_65	OTF1_80	8.000	484.534	0.004	241,426.929	64,337.736	Free Surface	2.356	0.464	0.440	0.309	0.284	0.850	549,097.814	Yes	0.311	2.344
	OTF1_80-OTF1_96	OTF1_80	OTF1_96	8.000	428.652	0.004	241,426.929	64,337.736	Free Surface	2.333	0.468	0.445	0.312	0.284	0.838	542,038.596	No	0.312	2.333
	OTF1_82-OTF1_87	OTF1_82	OTF1_87	10.000	444.471	0.003	111,997.398	27,999.349	Free Surface	1.589	0.254	0.141	0.212	0.179	0.723	792,524.443	Yes	0.242	1.321
	OTF1_87-OTF1_96	OTF1_87	OTF1_96	10.000	387.699	0.003	192,158.435	49,849.901	Free Surface	1.928	0.326	0.229	0.271	0.236	0.765	837,713.068	No	0.271	1.928
	OTF1_88-OTF1_89	OTF1_88	OTF1_89	8.000	321.471	0.015	66,798.695	16,699.674	Free Surface	2.602	0.171	0.064	0.114	0.146	1.631	1,048,414.908	Yes	0.667	0.296
	OTF1_89-OTF1_90	OTF1_89	OTF1_90	8.000	329.236	-0.007	66,798.695	16,699.674	Pressurized	0.296	1.000		0.667	0.000	0.064		No	0.667	0.296
	OTF1_90-OTF1_92	OTF1_90	OTF1_92	8.000	164.601	0.004	66,798.695	16,699.674	Free Surface	1.657	0.235	0.121	0.156	0.146	0.878	553,217.651	No	0.156	1.657
	OTF1_92-OTF1_93	OTF1_92	OTF1_93	8.000	20.322	0.005	66,798.695	16,699.674	Free Surface	1.745	0.226	0.112	0.151	0.146	0.943	595,084.768	No	0.151	1.745
	OTF1_93-OTF1_94	OTF1_93	OTF1_94	8.000	373.404	0.008	66,798.695	16,699.674	Free Surface	2.058	0.201	0.089	0.134	0.146	1.183	751,463.852	No	0.134	2.058
	OTF1_94-OTF1_95	OTF1_94	OTF1_95	8.000	179.276	0.023	66,798.695	16,699.674	Free Surface	2.991	0.155	0.052	0.104	0.146	1.971	1,278,202.011	Yes	0.184	1.317
	OTF1_95-OTF1_96	OTF1_95	OTF1_96	8.000	386.157	0.004	177,991.294	45,974.863	Free Surface	2.134	0.397	0.332	0.265	0.243	0.846	535,724.847	No	0.265	2.134
	OTF1_96-OTF1_97	OTF1_96	OTF1_97	12.000	9.000	0.033	520,284.568	160,162.500	Free Surface	5.975	0.228	0.114	0.228	0.375	2.628	4,566,521.855	No	0.228	5.975
	OTF1_97-OTF1_98	OTF1_97	OTF1_98	12.000	180.000	0.006	520,284.568	160,162.500	Free Surface	3.170	0.359	0.276	0.359	0.375	1.086	1,882,825.195	No	0.359	3.170
	OTF1_98-OTF1_103	OTF1_98	OTF1_103	12.000	300.000	0.007	520,284.568	160,162.500	Free Surface	3.485	0.335	0.242	0.335	0.375	1.242	2,146,751.017	No	0.335	3.485
	RMF1_114-RMF1_118	RMF1_114	RMF1_118	12.000	321.098	0.027	709,007.958	231,369.033	Free Surface	6.074	0.281	0.172	0.281	0.441	2.388	4,121,788.264	No	0.281	6.074
	RMF1_118-AIF1_119	RMF1_118	AIF1_119	12.000	371.334	0.005	709,007.958	231,369.033	Free Surface	3.346	0.435	0.392	0.435	0.441	1.025	1,807,858.922	No	0.435	3.346
	SCC_01	SCC_21	TOE_2948	15.000	100.000	0.002	1,640,162.735	627,943.444	Free Surface	2.846	0.682	0.809	0.853	0.638	0.573	2,028,108.090	Yes	1.034	2.338
	SCC_10	SCC_12	SCC_13	15.000	375.000	0.002	1,640,162.735	627,943.444	Free Surface	2.846	0.682	0.809	0.853	0.638	0.573	2,028,108.090	No	0.853	2.846
	SCC_11	SCC_11A	SCC_12	15.000	145.690	0.002	1,640,162.735	627,943.444	Free Surface	2.841	0.683	0.811	0.854	0.638	0.571	2,023,299.745	No	0.854	2.841
	SCC_12	SCC_11	SCC_11A	12.000	356.110	0.023	379,240.705	109,943.959	Free Surface	4.753	0.214	0.101	0.214	0.318	2.159	3,765,224.279	Yes	0.434	1.794
	SCC_13	SCC_10	SCC_11	12.000	490.000	0.004	379,240.705	109,943.959	Free Surface	2.513	0.338	0.246	0.338	0.318	0.891	1,541,006.959	No	0.338	2.513
	SCC_14	SCC_09	SCC_10	12.000	100.000	0.009	379,240.705	109,943.959	Free Surface	3.424	0.270	0.160	0.270	0.318	1.374	2,372,834.360	No	0.270	3.424
	SCC_15	SCC_08	SCC_09	12.000	413.000	0.010	362,472.724	104,244.441	Free Surface	3.545	0.255	0.143	0.255	0.311	1.467	2,537,263.705	No	0.255	3.545
	SCC_16	SCC_07	SCC_08	12.000	412.000	0.008	362,472.724	104,244.441	Free Surface	3.167	0.277	0.167	0.277	0.311	1.254	2,166,091.507	No	0.277	3.167
	SCC_17	SCC_06	SCC_07	10.000	375.000	0.007	333,054.618	94,245.085	Free Surface	3.099	0.344	0.255	0.287	0.314	1.192	1,307,562.782	No	0.287	3.099
	SCC_18	SCC_05	SCC_06	10.000	150.000	0.007	333,054.618	94,245.085	Free Surface	3.043	0.349	0.261	0.291	0.314	1.161	1,274,578.305	No	0.291	3.043
	SCC_19	SCC_04	SCC_05	10.000	200.000	0.007	333,054.618	94,245.085	Free Surface	3.064	0.347	0.259	0.289	0.314	1.173	1,286,893.357	No	0.289	3.064
	SCC_2	SCC_20	SCC_21	15.000	225.000	0.002	1,640,162.735	627,943.444	Free Surface	2.846	0.682	0.809	0.853	0.638	0.573	2,028,108.090	No	0.853	2.846
	SCC_20	SCC_03	SCC_04	10.000	220.000	0.007	333,054.618	94,245.085	Free Surface	3.099	0.344	0.255	0.287	0.314	1.192	1,307,617.610	No	0.287	3.099
	SCC_21	SCC_02	SCC_03	10.000	577.000	0.007	333,054.618	94,245.085	Free Surface	3.137	0.341	0.251	0.284	0.314	1.212	1,329,365.083	No	0.284	3.137
	SCC_22	SCC_01	SCC_02	8.000	443.000	0.011	187,936.195	48,695.022	Free Surface	3.156	0.310	0.209	0.207	0.249	1.439	901,253.048	No	0.207	3.156
	SCC_3	SCC_19	SCC_20	15.000	415.000	0.002	1,640,162.735	627,943.444	Free Surface	2.846	0.682	0.809	0.853	0.638	0.573	2,028,108.090	No	0.853	2.846
	SCC_4	SCC_18	SCC_19	15.000	485.000	0.002	1,640,162.735	627,943.444	Free Surface	2.834	0.685	0.813	0.856	0.638	0.569	2,017,626.841	No	0.856	2.834
	SCC_5	SCC_17	SCC_18	15.000	275.000	0.002	1,640,162.735	627,943.444	Free Surface	2.846	0.682	0.809	0.853	0.638	0.573	2,028,108.090	No	0.853	2.846
	SCC_6	SCC_16	SCC_17	15.000	513.000	0.002	1,640,162.735	627,943.444	Free Surface	2.851	0.681	0.807	0.851	0.638	0.575	2,032,057.671	No	0.851	2.851
	SCC_7	SCC_15	SCC_16	15.000	512.000	0.002	1,640,162.735	627,943.444	Free Surface	2.842	0.683	0.810	0.854	0.638	0.572	2,024,143.065	No	0.854	2.842
	SCC_8	SCC_14	SCC_15	15.000	500.000	0.002	1,640,162.735	627,943.444	Free Surface	2.846	0.682	0.809	0.853	0.638	0.573	2,028,108.090	No	0.853	2.846
	SCC_9	SCC_13	SCC_14	15.000	500.000	0.002	1,640,162.735	627,943.444	Free Surface	2.834	0.685	0.813	0.856	0.638	0.569	2,017,942.070	No	0.856	2.834
	SUN_10-SUN_11	SUN_10	SUN_11	8.000	402.750	0.024	224,841.521	58,999.658	Free Surface	4.369	0.279	0.170	0.186	0.274	2.110	1,321,950.703	No	0.186	4.369
	SUN_11-SUN_12	SUN_11	SUN_12	8.000	319.400	0.053	224,841.521	58,999.658	Free Surface	5.765	0.229	0.115	0.153	0.274	3.096	1,951,946.703	Yes	0.173	4.831
	SUN_12-SUN_13	SUN_12	SUN_13	8.000	400.080	0.004	224,841.521	58,999.658	Free Surface	2.349	0.440	0.401	0.294	0.274	0.875	561,059.875	No	0.294	2.349
	SUN_13-SUN_14	SUN_13	SUN_14	8.000	338.740	0.010	224,841.521	58,999.658	Free Surface	3.178	0.351	0.265	0.234	0.274	1.350	848,653.125	No	0.234	3.178
	SUN_14-SUN_15	SUN_14	SUN_15	8.000	319.320	0.023	224,841.521	58,999.658	Free Surface	4.305	0.282	0.174	0.188	0.274	2.067	1,294,902.337	No	0.188	4.305
	SUN_15-ECF1_44	SUN_15	ECF1_44	8.000	698.510	0.004	224,841.521	58,999.658	Free Surface	2.198	0.463	0.439	0.309	0.274	0.794	512,563.154	Yes	0.646	1.006
	SUN_1-SUN_2	SUN_1	SUN_2	8.000	388.620	0.017	224,841.521	58,999.658	Free Surface	3.861	0.305	0.202	0.203	0.274	1.776	1,112,216.324	No	0.203	3.861
	SUN_2-SUN_3	SUN_2	SUN_3	8.000	390.550	0.015	224,841.521	58,999.658	Free Surface	3.668	0.316	0.217	0.211	0.274	1.653	1,035,587.450	No	0.211	3.668
	SUN_3-SUN_4	SUN_3	SUN_4	8.000	397.140	0.008	224,841.521	58,999.658	Free Surface	2.921	0.374	0.298	0.249	0.274	1.198	755,521.919	No	0.249	2.921
	SUN_4-SUN_5	SUN_4	SUN_5	8.000	184.760	0.006	224,841.521	58,999.658	Free Surface	2.666	0.400	0.337	0.267	0.274	1.051	666,364.813	No	0.267	2.666
	SUN_5-SUN_6	SUN_5	SUN_6	8.000	334.880	0.005	224,841.521	58,999.658	Free Surface	2.399	0.433	0.390	0.289	0.274	0.902	577,144.885	No	0.289	2.399
	SUN_6-SUN_7	SUN_6	SUN_7	8.000	247.010	0.005	224,841.521	58,999.658	Free Surface	2.404	0.433	0.388	0.288	0.274	0.905	578,835.635	No	0.288	2.404
	SUN_7-SUN_8	SUN_7	SUN_8	8.000	269.850														

FULL BUILDOUT WITH SEPTIC PIPE TABLE

	ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (gpd)	Peakable Flow (gpd)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth (ft)	Critical Depth	Froude Number	Full Flow (gpd)	Backwater Adjustment	Adjusted Depth	Adjusted Velocity
	TOE_2576-TOE_2577	TOE_2576	TOE_2577	18.000	282.794	0.005	1,355,387.386	500,421.412	Free Surface	3.919	0.342	0.252	0.514	0.547	1.127	5,370,802.322	No	0.514	3.919
	TOE_2577-TOE_2578	TOE_2577	TOE_2578	18.000	270.433	0.015	1,355,387.386	500,421.412	Free Surface	5.655	0.263	0.151	0.394	0.547	1.881	8,957,466.948	No	0.394	5.655
	TOE_2578-TOE_2579	TOE_2578	TOE_2579	18.000	293.969	0.015	1,355,387.386	500,421.412	Free Surface	5.647	0.263	0.152	0.395	0.547	1.877	8,939,632.045	No	0.395	5.647
	TOE_2579-TOE_2981	TOE_2579	TOE_2981	18.000	91.682	0.009	1,355,387.386	500,421.412	Free Surface	4.742	0.298	0.194	0.447	0.547	1.472	6,999,656.252	No	0.447	4.742
	TOE_2580-TOE_2978	TOE_2580	TOE_2978	18.000	103.702	0.005	1,355,387.386	500,421.412	Free Surface	3.703	0.357	0.273	0.536	0.547	1.039	4,964,591.669	No	0.536	3.703
	TOE_2581-TOE_2979	TOE_2581	TOE_2979	18.000	84.929	0.004	1,421,643.166	529,672.121	Free Surface	3.734	0.368	0.288	0.551	0.560	1.031	4,932,785.490	No	0.551	3.734
	TOE_2582-TOE_2980	TOE_2582	TOE_2980	18.000	25.848	0.005	1,421,643.166	529,672.121	Free Surface	3.784	0.364	0.283	0.546	0.560	1.051	5,024,681.737	Yes	0.553	3.717
	TOE_2583-TOE_2584	TOE_2583	TOE_2584	18.000	397.733	0.004	1,421,643.166	529,672.121	Free Surface	3.509	0.385	0.314	0.577	0.560	0.944	4,528,752.063	No	0.577	3.509
	TOE_2584-CHF3A_15	TOE_2584	CHF3A_15	18.000	394.000	0.004	1,421,643.166	529,672.121	Free Surface	3.588	0.379	0.304	0.568	0.560	0.974	4,669,916.990	No	0.568	3.588
	TOE_2585-CHF1A_C1	TOE_2585	CHF1A_C1	18.000	230.196	0.010	1,473,345.957	552,671.792	Free Surface	5.116	0.300	0.196	0.450	0.571	1.583	7,529,828.380	No	0.450	5.116
	TOE_2586-TOE_2587	TOE_2586	TOE_2587	18.000	230.190	0.008	1,635,716.886	625,921.684	Free Surface	4.797	0.339	0.247	0.508	0.603	1.387	6,611,064.070	No	0.508	4.797
	TOE_2587-TOE_2588	TOE_2587	TOE_2588	18.000	93.140	0.020	1,635,716.886	625,921.684	Free Surface	6.687	0.267	0.156	0.400	0.603	2.206	10,504,900.108	No	0.400	6.687
	TOE_2588-TOE_2589	TOE_2588	TOE_2589	18.000	492.495	0.024	1,635,716.886	625,921.684	Free Surface	7.145	0.254	0.142	0.382	0.603	2.419	11,530,311.680	No	0.382	7.145
	TOE_2589-TOE_2590	TOE_2589	TOE_2590	18.000	115.180	0.023	1,751,846.743	679,171.424	Free Surface	7.132	0.268	0.157	0.401	0.625	2.349	11,185,690.250	No	0.401	7.132
	TOE_2590-TOE_2591	TOE_2590	TOE_2591	18.000	23.959	0.061	1,751,846.743	679,171.424	Free Surface	10.102	0.209	0.096	0.314	0.625	3.797	18,266,219.977	Yes	0.701	3.345
	TOE_2591-TOE_2743	TOE_2591	TOE_2743	30.000	231.417	0.003	8,168,433.627	4,245,900.321	Free Surface	4.746	0.533	0.557	1.333	1.194	0.810	14,662,594.587	No	1.333	4.746
	TOE_2592-TOE_2593	TOE_2592	TOE_2593	8.000	52.704	0.006	168,030.599	43,250.384	Free Surface	2.419	0.347	0.258	0.231	0.235	1.036	650,612.893	No	0.231	2.419
	TOE_2593-GVF1_95	TOE_2593	GVF1_95	8.000	189.327	0.015	168,030.599	43,250.384	Free Surface	3.397	0.271	0.161	0.181	0.235	1.666	1,044,475.552	No	0.181	3.397
	TOE_2594-TOE_2595	TOE_2594	TOE_2595	15.000	178.668	0.003	887,581.330	302,350.926	Free Surface	2.916	0.408	0.350	0.510	0.463	0.830	2,538,906.603	No	0.510	2.916
	TOE_2595-TOE_2596	TOE_2595	TOE_2596	15.000	210.662	0.002	887,581.330	302,350.926	Free Surface	2.469	0.463	0.438	0.579	0.463	0.651	2,024,920.664	No	0.579	2.469
	TOE_2596-TOE_2597	TOE_2596	TOE_2597	30.000	111.976	0.003	887,581.330	302,350.926	Free Surface	2.517	0.168	0.062	0.421	0.381	0.821	14,399,580.685	No	0.421	2.517
	TOE_2597-TOE_2598	TOE_2597	TOE_2598	30.000	103.462	0.001	887,581.330	302,350.926	Free Surface	2.077	0.192	0.081	0.481	0.381	0.632	10,964,496.126	No	0.481	2.077
	TOE_2598-TOE_2591	TOE_2598	TOE_2591	15.000	231.956	0.022	887,581.330	302,350.926	Free Surface	5.877	0.245	0.132	0.307	0.463	2.222	6,724,468.009	No	0.307	5.877
	TOE_2609-TOE_2747	TOE_2609	TOE_2747	18.000	443.041	0.002	1,074,330.451	379,477.297	Free Surface	2.585	0.392	0.325	0.588	0.485	0.688	3,305,231.616	No	0.588	2.585
	TOE_2610-TOE_2609	TOE_2610	TOE_2609	18.000	80.972	0.012	1,074,330.451	379,477.297	Free Surface	4.964	0.245	0.131	0.367	0.485	1.717	8,195,229.564	Yes	0.403	4.355
	TOE_2612-TOE_2610	TOE_2612	TOE_2610	18.000	148.443	0.013	1,074,330.451	379,477.297	Free Surface	5.083	0.240	0.127	0.361	0.485	1.774	8,473,788.030	No	0.361	5.083
	TOE_2615-TOE_2619	TOE_2615	TOE_2619	30.000	285.463	0.002	8,251,975.609	4,297,646.702	Free Surface	4.090	0.608	0.685	1.519	1.200	0.638	12,051,538.778	No	1.519	4.090
	TOE_2619-TOE_2994	TOE_2619	TOE_2994	30.000	191.828	0.002	8,251,975.609	4,297,646.702	Free Surface	4.599	0.552	0.588	1.379	1.200	0.767	14,024,341.801	No	1.379	4.599
	TOE_2620-TOE_2989	TOE_2620	TOE_2989	12.000	238.521	0.004	238,514.304	63,400.296	Free Surface	2.315	0.257	0.144	0.257	0.251	0.955	1,651,578.715	No	0.257	2.315
	TOE_2621-TOE_2620	TOE_2621	TOE_2620	12.000	178.316	0.015	238,514.304	63,400.296	Free Surface	3.545	0.190	0.079	0.190	0.251	1.716	3,014,402.982	Yes	0.224	2.816
	TOE_2622-TOE_2621	TOE_2622	TOE_2621	12.000	277.449	0.005	238,514.304	63,400.296	Free Surface	2.505	0.243	0.129	0.243	0.251	1.065	1,845,198.621	No	0.243	2.505
	TOE_2623-TOE_2622	TOE_2623	TOE_2622	10.000	399.765	0.025	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	2,444,846.898	No	0.000	0.000
	TOE_2624-TOE_2623	TOE_2624	TOE_2623	10.000	400.696	0.026	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	2,458,872.660	No	0.000	0.000
	TOE_2625-TOE_2624	TOE_2625	TOE_2624	10.000	334.859	0.016	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,951,446.396	No	0.000	0.000
	TOE_2626-OGF2_29	TOE_2626	OGF2_29	8.000	159.127	0.030	57,000.939	14,250.235	Free Surface	3.141	0.135	0.039	0.090	0.135	2.229	1,465,679.145	No	0.090	3.141
	TOE_2628-CSF1_C3A	TOE_2628	CSF1_C3A	18.000	133.826	0.004	968,433.703	335,401.794	Free Surface	3.121	0.316	0.217	0.475	0.459	0.938	4,462,273.317	No	0.475	3.121
	TOE_2629-TOE_2628	TOE_2629	TOE_2628	15.000	253.572	0.006	968,433.703	335,401.794	Free Surface	3.799	0.358	0.274	0.447	0.485	1.167	3,534,157.522	No	0.447	3.799
	TOE_2630-TOE_2984	TOE_2630	TOE_2984	15.000	284.795	0.002	968,433.703	335,401.794	Free Surface	2.700	0.462	0.437	0.578	0.485	0.713	2,215,971.138	No	0.578	2.700
	TOE_2631-TOE_2630	TOE_2631	TOE_2630	15.000	274.927	0.006	968,433.703	335,401.794	Free Surface	3.758	0.361	0.278	0.451	0.485	1.149	3,481,166.216	Yes	0.464	3.609
	TOE_2635-TOE_2636	TOE_2635	TOE_2636	10.000	403.088	0.002	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	718,678.955	No	0.000	0.000
	TOE_2636-TOE_2639	TOE_2636	TOE_2639	10.000	391.446	0.001	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	532,974.852	Yes	0.136	0.000
	TOE_2637-TOE_2638	TOE_2637	TOE_2638	12.000	41.365	0.025	709,007.958	231,369.033	Free Surface	5.929	0.286	0.178	0.286	0.441	2.309	3,984,985.969	No	0.286	5.929
	TOE_2638-TOE_2639	TOE_2638	TOE_2639	12.000	49.033	0.014	709,007.958	231,369.033	Free Surface	4.823	0.332	0.237	0.332	0.441	1.729	2,988,489.806	No	0.332	4.823
	TOE_2639-RMF1_114	TOE_2639	RMF1_114	12.000	110.713	0.013	709,007.958	231,369.033	Free Surface	4.604	0.343	0.253	0.343	0.441	1.620	2,802,550.445	No	0.343	4.604
	TOE_2640-TOE_2637	TOE_2640	TOE_2637	12.000	271.203	0.018	709,007.958	231,369.033	Free Surface	5.210	0.313	0.213	0.313	0.441	1.927	3,327,509.254	Yes	0.474	2.987
	TOE_2646-ARF1_37	TOE_2646	ARF1_37	8.000	44.839	0.002	225,620.011	59,250.218	Free Surface	1.594	0.601	0.673	0.400	0.274	0.485	335,186.855	No	0.400	1.594
	TOE_2647-TOE_2646	TOE_2647	TOE_2646	8.000	316.906	0.005	225,620.011	59,250.218	Free Surface	2.456	0.427	0.379	0.285	0.274	0.932	595,196.711	No	0.285	2.456
	TOE_2648-TOE_2650	TOE_2648	TOE_2650	15.000	410.019	0.004	1,580,829.504	600,990.974	Free Surface	3.525	0.551	0.588	0.689	0.626	0.832	2,687,541.477	No	0.689	3.525
	TOE_2649-TOE_2648	TOE_2649	TOE_2648	15.000	133.522	0.004	1,580,829.504	600,990.974	Free Surface	3.557	0.547	0.581	0.684	0.626	0.843	2,719,066.029	No	0.684	3.557
	TOE_2650-TOE_2656	TOE_2650	TOE_2656	15.000	392.350	0.018	1,653,317.864	633,928.081	Free Surface	6.545	0.355	0.271	0.444	0.641	2.018	6,109,130.732	No	0.444	6.545
	TOE_2651-TOE_2652	TOE_2651	TOE_2652	15.000	16.899	0.004	1,653,317.864	633,928.081	Free Surface	3.794	0.539	0.566	0.674	0.641	0.909	2,918,726.550	Yes	0.689	3.691
	TOE_2652-TOE_2653	TOE_2652	TOE_2653	15.000	381.367	0.004	1,653,317.864	633,928.081	Free Surface	3.594	0.563	0.608	0.704	0.641	0.836	2,718,097.714	No	0.704	3.594
	TOE_2653-TOE_2654	TOE_2653	TOE_2654	15.000	404.066	0.004	1,653,317.864	633,928.081	Free Surface	3.583	0.564	0.611	0.706	0.641	0.832	2,707,267.370	No	0.706	3.583
	TOE_2654-TOE_2655	TOE_2654	TOE_2655	15.000	378.306	0.010	1,728,326.206	668,											

FULL BUILDOUT WITH SEPTIC PIPE TABLE

	ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (gpd)	Peakable Flow (gpd)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth (ft)	Critical Depth	Froude Number	Full Flow (gpd)	Backwater Adjustment	Adjusted Depth	Adjusted Velocity
	TOE_2661-TOE_2663	TOE_2661	TOE_2663	8.000	87.840	0.010	388,704.998	113,160.917	Free Surface	3.719	0.471	0.451	0.314	0.365	1.330	861,076.924	No	0.314	3.719
	TOE_2662-TOE_2664	TOE_2662	TOE_2664	15.000	222.675	0.012	1,580,829.504	600,990.974	Free Surface	5.554	0.388	0.319	0.485	0.626	1.628	4,956,574.417	Yes	0.581	4.376
	TOE_2663-ECF4_135	TOE_2663	ECF4_135	8.000	379.848	0.013	388,704.998	113,160.917	Free Surface	4.105	0.437	0.395	0.291	0.365	1.537	983,940.543	Yes	0.459	2.349
	TOE_2664-TOE_2649	TOE_2664	TOE_2649	15.000	258.002	0.004	1,580,829.504	600,990.974	Free Surface	3.604	0.542	0.571	0.677	0.626	0.860	2,766,306.867	Yes	0.681	3.580
	TOE_2673-VRF1D_702	TOE_2673	VRF1D_702	10.000	248.890	0.016	529,279.220	163,450.018	Free Surface	4.644	0.359	0.276	0.299	0.400	1.743	1,915,504.132	No	0.299	4.644
	TOE_2710-TOE_2712	TOE_2710	TOE_2712	10.000	172.785	0.004	974,143.245	337,750.433	Free Surface	3.166	0.815	0.995	0.679	0.550	0.650	979,015.931	Yes	0.721	3.005
	TOE_2711-TOE_2715	TOE_2711	TOE_2715	10.000	182.798	0.005	974,143.245	337,750.433	Free Surface	3.596	0.718	0.865	0.598	0.550	0.848	1,126,213.727	Yes	0.791	2.818
	TOE_2712-TOE_2713	TOE_2712	TOE_2713	10.000	121.612	0.004	974,143.245	337,750.433	Pressurized	2.763	1.000	1.030	0.833	0.542	0.533	945,986.116	No	0.833	2.763
	TOE_2713-TOE_2714	TOE_2713	TOE_2714	10.000	90.763	0.004	974,143.245	337,750.433	Pressurized	2.763	1.000	1.006	0.833	0.548	0.533	968,703.910	No	0.833	2.763
	TOE_2714-TOE_2711	TOE_2714	TOE_2711	10.000	315.857	0.004	974,143.245	337,750.433	Pressurized	2.763	1.000	1.007	0.833	0.548	0.533	967,616.016	No	0.833	2.763
	TOE_2715-TOE_2716	TOE_2715	TOE_2716	10.000	176.202	0.003	974,143.245	337,750.433	Pressurized	2.763	1.000	1.213	0.833	0.498	0.533	802,803.628	No	0.833	2.763
	TOE_2716-TOE_2717	TOE_2716	TOE_2717	10.000	105.642	0.004	974,143.245	337,750.433	Pressurized	2.763	1.000	1.042	0.833	0.538	0.533	934,562.798	No	0.833	2.763
	TOE_2717-TOE_2718	TOE_2717	TOE_2718	10.000	389.846	0.017	974,143.245	337,750.433	Free Surface	5.636	0.492	0.487	0.410	0.550	1.753	1,999,814.376	Yes	0.480	4.630
	TOE_2718-TOE_2719	TOE_2718	TOE_2719	10.000	404.424	0.004	974,143.245	337,750.433	Free Surface	3.206	0.804	0.983	0.670	0.550	0.670	991,356.795	No	0.670	3.206
	TOE_2719-TOE_2720	TOE_2719	TOE_2720	10.000	399.685	0.009	974,143.245	337,750.433	Free Surface	4.415	0.600	0.671	0.500	0.550	1.203	1,451,641.644	No	0.500	4.415
	TOE_2720-TOE_2721	TOE_2720	TOE_2721	10.000	400.184	0.004	974,143.245	337,750.433	Free Surface	3.194	0.807	0.986	0.673	0.550	0.664	987,655.294	No	0.673	3.194
	TOE_2721-TOE_2722	TOE_2721	TOE_2722	10.000	267.435	0.026	974,143.245	337,750.433	Free Surface	6.572	0.437	0.396	0.364	0.550	2.199	2,459,871.545	No	0.364	6.572
	TOE_2722-TOE_2723	TOE_2722	TOE_2723	10.000	130.770	0.025	974,143.245	337,750.433	Free Surface	6.525	0.440	0.400	0.366	0.550	2.176	2,435,995.502	No	0.366	6.525
	TOE_2723-TOE_2724	TOE_2723	TOE_2724	10.000	402.800	0.029	974,143.245	337,750.433	Free Surface	6.848	0.424	0.374	0.353	0.550	2.334	2,601,206.353	Yes	0.371	6.419
	TOE_2724-TOE_2725	TOE_2724	TOE_2725	10.000	396.385	0.007	1,010,674.019	352,874.747	Free Surface	3.942	0.683	0.810	0.569	0.561	0.972	1,248,116.180	No	0.569	3.942
	TOE_2725-TOE_2726	TOE_2725	TOE_2726	10.000	403.987	0.007	1,010,674.019	352,874.747	Free Surface	4.084	0.662	0.776	0.551	0.561	1.033	1,303,194.099	No	0.551	4.084
	TOE_2726-TOE_2727	TOE_2726	TOE_2727	10.000	395.385	0.025	1,010,674.019	352,874.747	Free Surface	6.602	0.448	0.414	0.374	0.561	2.176	2,442,479.847	No	0.374	6.602
	TOE_2727-TOE_2728	TOE_2727	TOE_2728	10.000	165.621	0.048	1,010,674.019	352,874.747	Free Surface	8.359	0.375	0.300	0.313	0.561	3.060	3,372,033.353	No	0.313	8.359
	TOE_2728-TOE_2729	TOE_2728	TOE_2729	10.000	61.077	0.044	1,010,674.019	352,874.747	Free Surface	8.065	0.385	0.315	0.321	0.561	2.907	3,209,925.693	No	0.321	8.065
	TOE_2729-TOE_2730	TOE_2729	TOE_2730	10.000	275.532	0.024	1,010,674.019	352,874.747	Free Surface	6.456	0.456	0.426	0.380	0.561	2.106	2,369,718.404	Yes	0.386	6.332
	TOE_2730-TOE_2992	TOE_2730	TOE_2992	10.000	316.366	0.009	1,010,674.019	352,874.747	Free Surface	4.561	0.602	0.675	0.501	0.561	1.240	1,497,819.128	No	0.501	4.561
	TOE_2731-TOE_2960	TOE_2731	TOE_2960	8.000	328.578	0.016	307,562.755	85,623.808	Free Surface	4.070	0.369	0.290	0.246	0.323	1.682	1,059,992.645	Yes	0.299	3.136
	TOE_2732-TOE_2731	TOE_2732	TOE_2731	8.000	341.462	0.005	307,562.755	85,623.808	Free Surface	2.712	0.502	0.504	0.335	0.323	0.932	610,771.602	No	0.335	2.712
	TOE_2733-TOE_2732	TOE_2733	TOE_2732	8.000	191.801	0.006	307,562.755	85,623.808	Free Surface	2.807	0.489	0.481	0.326	0.323	0.981	639,516.219	No	0.326	2.807
	TOE_2734-TOE_2615	TOE_2734	TOE_2615	30.000	429.624	0.007	8,168,433.627	4,245,900.321	Free Surface	6.772	0.405	0.345	1.013	1.194	1.369	23,658,516.928	No	1.013	6.772
	TOE_2735-TOE_2734	TOE_2735	TOE_2734	30.000	244.751	0.002	8,168,433.627	4,245,900.321	Free Surface	4.646	0.543	0.573	1.357	1.194	0.783	13,257,598.474	No	1.357	4.646
	TOE_2736-TOE_2735	TOE_2736	TOE_2735	30.000	359.070	0.002	8,168,433.627	4,245,900.321	Free Surface	4.480	0.559	0.601	1.397	1.194	0.741	13,592,145.780	No	1.397	4.480
	TOE_2737-TOE_2905	TOE_2737	TOE_2905	30.000	464.000	0.002	8,168,433.627	4,245,900.321	Free Surface	4.587	0.548	0.583	1.371	1.194	0.768	14,020,712.700	Yes	1.428	4.361
	TOE_2738-TOE_2737	TOE_2738	TOE_2737	30.000	403.282	0.002	8,168,433.627	4,245,900.321	Free Surface	4.067	0.605	0.681	1.513	1.194	0.636	11,997,131.701	No	1.513	4.067
	TOE_2739-TOE_2738	TOE_2739	TOE_2738	30.000	499.467	0.002	8,168,433.627	4,245,900.321	Free Surface	4.460	0.561	0.604	1.402	1.194	0.735	13,513,742.914	Yes	1.458	4.254
	TOE_2740-TOE_2739	TOE_2740	TOE_2739	30.000	498.367	0.002	8,168,433.627	4,245,900.321	Free Surface	4.303	0.578	0.633	1.444	1.194	0.695	12,899,064.525	No	1.444	4.303
	TOE_2741-TOE_2740	TOE_2741	TOE_2740	30.000	506.092	0.002	8,168,433.627	4,245,900.321	Free Surface	4.106	0.600	0.673	1.501	1.194	0.645	12,143,367.452	No	1.501	4.106
	TOE_2742-TOE_2741	TOE_2742	TOE_2741	30.000	129.779	0.002	8,168,433.627	4,245,900.321	Free Surface	4.543	0.552	0.590	1.381	1.194	0.757	13,844,924.620	Yes	1.391	4.503
	TOE_2743-TOE_2742	TOE_2743	TOE_2742	30.000	172.744	0.003	8,168,433.627	4,245,900.321	Free Surface	5.298	0.489	0.481	1.222	1.194	0.956	16,970,973.773	Yes	1.252	5.140
	TOE_2744-TOE_2591	TOE_2744	TOE_2591	30.000	436.895	0.000	6,549,924.675	3,264,377.971	Pressurized	2.065	1.000	7.193	2.500	0.386	0.230	910,610.783	No	2.500	2.065
	TOE_2745-TOE_2744	TOE_2745	TOE_2744	27.000	198.412	0.004	5,647,906.661	2,736,488.570	Free Surface	5.103	0.445	0.409	1.002	1.017	1.028	13,806,136.114	Yes	2.250	2.198
	TOE_2746-TOE_2744	TOE_2746	TOE_2744	18.000	293.260	0.006	1,417,627.590	527,889.401	Free Surface	4.265	0.333	0.239	0.499	0.559	1.246	5,935,798.422	No	0.499	4.265
	TOE_2747-ECF5_204	TOE_2747	ECF5_204	18.000	398.943	0.006	1,290,558.293	472,062.062	Free Surface	4.105	0.319	0.221	0.479	0.533	1.227	5,837,719.525	No	0.479	4.105
	TOE_2748-TOE_2749	TOE_2748	TOE_2749	12.000	290.977	0.011	1,662,539.917	638,151.600	Free Surface	5.436	0.581	0.639	0.581	0.687	1.384	2,602,387.765	No	0.581	5.436
	TOE_2749-TOE_2750	TOE_2749	TOE_2750	12.000	393.950	0.009	1,662,539.917	638,151.600	Free Surface	5.117	0.611	0.691	0.611	0.687	1.256	2,407,531.959	No	0.611	5.117
	TOE_2750-TOE_2751	TOE_2750	TOE_2751	12.000	263.499	0.020	1,662,539.917	638,151.600	Free Surface	6.885	0.481	0.468	0.481	0.687	1.984	3,553,960.140	No	0.481	6.885
	TOE_2751-TOE_2752	TOE_2751	TOE_2752	15.000	391.732	0.015	1,662,539.917	638,151.600	Free Surface	6.074	0.377	0.302	0.471	0.643	1.810	5,499,118.473	No	0.471	6.074
	TOE_2752-TOE_2753	TOE_2752	TOE_2753	15.000	398.557	0.010	1,662,539.917	638,151.600	Free Surface	5.273	0.419	0.367	0.524	0.643	1.478	4,531,817.796	No	0.524	5.273
	TOE_2753-TOE_2754	TOE_2753	TOE_2754	15.000	349.938	0.011	1,662,539.917	638,151.600	Free Surface	5.515	0.405	0.345	0.507	0.643	1.577	4,818,135.047	No	0.507	5.515
	TOE_2754-TOE_2755	TOE_2754	TOE_2755	15.000	130.982	0.008	1,662,539.917	638,151.600	Free Surface	4.812	0.449	0.415	0.562	0.643	1.293	4,001,938.556	No	0.562	4.812
	TOE_2755-TOE_2759	TOE_2755	TOE_2759	15.000	312.151	0.010	1,662,539.917	638,151.600	Free Surface	5.200	0.424	0.374	0.529	0.643	1.448	4,445,843.679	No	0.529	5.200
	TOE_2756-TOE_2757	TOE_2756	TOE_2757	15.000	72.934	0.010	1,736,205.929	671,957.027	Free Surface	5.393	0.426	0.378	0.532	0.657	1.497	4,598,754.788	No	0.532	5.393
	TOE_2757-TOE_2760	TOE_2757	TOE_2760	15.000	417.818	0.015	1,736,205.929	671,957.027	Free Surface	6.181	0.384	0.313	0.481	0.657	1.822	5,542,104.941	No	0.481	

FULL BUILDOUT WITH SEPTIC PIPE TABLE

	ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (gpd)	Peakable Flow (gpd)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth (ft)	Critical Depth	Froude Number	Full Flow (gpd)	Backwater Adjustment	Adjusted Depth	Adjusted Velocity
	TOE_2764-TOE_2763	TOE_2764	TOE_2763	18.000	478.193	0.002	1,736,205.929	671,957.027	Free Surface	3.093	0.493	0.489	0.740	0.622	0.716	3,552,946.925	Yes	0.751	3.035
	TOE_2765-TOE_2766	TOE_2765	TOE_2766	18.000	164.304	0.001	1,736,205.929	671,957.027	Free Surface	2.553	0.575	0.629	0.863	0.622	0.534	2,759,106.316	No	0.863	2.553
	TOE_2766-TOE_2767	TOE_2766	TOE_2767	18.000	181.632	0.002	1,736,205.929	671,957.027	Free Surface	2.884	0.521	0.536	0.782	0.622	0.645	3,237,177.498	No	0.782	2.884
	TOE_2767-TOE_2768	TOE_2767	TOE_2768	18.000	352.648	0.005	1,736,205.929	671,957.027	Free Surface	4.170	0.393	0.326	0.589	0.622	1.108	5,326,808.805	No	0.589	4.170
	TOE_2768-TOE_2914	TOE_2768	TOE_2914	18.000	287.466	0.013	1,736,205.929	671,957.027	Free Surface	5.807	0.308	0.206	0.462	0.622	1.771	8,422,695.282	Yes	0.609	3.992
	TOE_2769-TOE_2770	TOE_2769	TOE_2770	18.000	498.501	0.002	1,736,205.929	671,957.027	Free Surface	3.035	0.501	0.501	0.751	0.622	0.696	3,464,114.064	Yes	0.754	3.021
	TOE_2770-TOE_2771	TOE_2770	TOE_2771	18.000	403.879	0.002	1,736,205.929	671,957.027	Free Surface	3.008	0.504	0.507	0.756	0.622	0.687	3,422,652.098	No	0.756	3.008
	TOE_2771-TOE_2772	TOE_2771	TOE_2772	18.000	100.158	0.006	1,743,795.314	675,457.666	Free Surface	4.281	0.386	0.316	0.580	0.623	1.149	5,514,173.479	Yes	0.656	3.635
	TOE_2772-TOE_2773	TOE_2772	TOE_2773	18.000	361.279	0.002	1,743,795.314	675,457.666	Free Surface	3.153	0.488	0.479	0.732	0.623	0.735	3,639,557.647	Yes	0.863	2.564
	TOE_2773-TOE_2774	TOE_2773	TOE_2774	18.000	259.869	0.004	1,743,795.314	675,457.666	Free Surface	3.734	0.428	0.381	0.642	0.623	0.943	4,574,583.703	Yes	1.421	1.558
	TOE_2774-TOE_2775	TOE_2774	TOE_2775	18.000	352.134	-0.000	1,743,795.314	675,457.666	Pressurized	1.527	1.000		1.500	0.000	0.220		No	1.500	1.527
	TOE_2775-TOE_2776	TOE_2775	TOE_2776	18.000	499.799	0.002	1,743,795.314	675,457.666	Free Surface	2.638	0.562	0.606	0.843	0.623	0.561	2,875,663.264	Yes	0.904	2.426
	TOE_2776-TOE_2777	TOE_2776	TOE_2777	18.000	505.125	0.001	1,743,795.314	675,457.666	Free Surface	2.248	0.643	0.744	0.964	0.623	0.434	2,343,226.326	No	0.964	2.248
	TOE_2777-TOE_2778	TOE_2777	TOE_2778	18.000	448.684	0.001	1,743,795.314	675,457.666	Free Surface	2.320	0.626	0.716	0.938	0.623	0.457	2,437,004.677	Yes	0.950	2.287
	TOE_2778-TOE_2779	TOE_2778	TOE_2779	18.000	451.433	0.001	1,743,795.314	675,457.666	Free Surface	2.256	0.641	0.741	0.961	0.623	0.436	2,354,025.025	Yes	1.110	1.924
	TOE_2779-TOE_2780	TOE_2779	TOE_2780	18.000	471.667	0.001	1,743,795.314	675,457.666	Free Surface	2.236	0.646	0.749	0.968	0.623	0.430	2,327,876.216	Yes	1.362	1.601
	TOE_2780-TOE_2781	TOE_2780	TOE_2781	18.000	294.427	0.001	1,743,795.314	675,457.666	Free Surface	2.286	0.633	0.729	0.950	0.623	0.446	2,392,881.049	Yes	1.500	1.527
	TOE_2781-TOE_2782	TOE_2781	TOE_2782	18.000	388.136	0.000	1,743,795.314	675,457.666	Pressurized	1.527	1.000	1.405	1.500	0.522	0.220	1,241,461.108	No	1.500	1.527
	TOE_2782-TOE_2783	TOE_2782	TOE_2783	21.000	379.111	0.001	1,743,795.314	675,457.666	Free Surface	2.260	0.497	0.495	0.870	0.595	0.482	3,521,797.912	Yes	0.944	2.038
	TOE_2783-TOE_2786	TOE_2783	TOE_2786	21.000	499.183	0.002	1,743,795.314	675,457.666	Free Surface	2.832	0.418	0.365	0.732	0.595	0.672	4,775,511.323	Yes	1.417	1.293
	TOE_2784-TOE_2785	TOE_2784	TOE_2785	21.000	128.890	0.001	1,942,075.183	767,846.591	Free Surface	2.326	0.529	0.550	0.926	0.629	0.477	3,532,789.790	Yes	0.926	2.325
	TOE_2785-TOE_2788	TOE_2785	TOE_2788	21.000	278.260	0.001	1,942,075.183	767,846.591	Free Surface	2.324	0.529	0.550	0.927	0.629	0.476	3,528,657.765	Yes	0.997	2.124
	TOE_2786-TOE_2784	TOE_2786	TOE_2784	21.000	505.223	0.000	1,942,075.183	767,846.591	Pressurized	1.249	1.000	1.308	1.750	0.547	0.166	1,484,689.154	No	1.750	1.249
	TOE_2787-EVF4_46	TOE_2787	EVF4_46	21.000	494.801	0.000	1,942,075.183	767,846.591	Pressurized	1.249	1.000	1.373	1.750	0.534	0.166	1,414,443.287	No	1.750	1.249
	TOE_2788-TOE_2787	TOE_2788	TOE_2787	21.000	503.608	0.002	1,942,075.183	767,846.591	Free Surface	2.892	0.446	0.411	0.781	0.629	0.660	4,728,573.115	Yes	1.444	1.415
	TOE_2789-TOE_2791	TOE_2789	TOE_2791	24.000	498.890	0.001	2,326,551.242	952,038.362	Free Surface	2.334	0.493	0.488	0.986	0.664	0.468	4,769,872.434	Yes	0.995	2.306
	TOE_2790-TOE_2789	TOE_2790	TOE_2789	21.000	174.406	0.001	2,326,551.242	952,038.362	Free Surface	2.448	0.588	0.651	1.029	0.691	0.467	3,573,648.055	No	1.029	2.448
	TOE_2791-TOE_2792	TOE_2791	TOE_2792	24.000	177.562	0.001	2,326,551.242	952,038.362	Free Surface	2.278	0.502	0.504	1.005	0.664	0.452	4,616,077.651	No	1.005	2.278
	TOE_2792-TOE_2793	TOE_2792	TOE_2793	24.000	420.700	0.001	2,326,551.242	952,038.362	Free Surface	2.697	0.441	0.402	0.882	0.664	0.580	5,794,430.136	No	0.882	2.697
	TOE_2793-TOE_2794	TOE_2793	TOE_2794	24.000	381.015	0.002	2,326,551.242	952,038.362	Free Surface	2.988	0.408	0.349	0.816	0.664	0.673	6,659,926.961	Yes	0.873	2.730
	TOE_2794-TOE_2795	TOE_2794	TOE_2795	24.000	455.331	0.001	2,326,551.242	952,038.362	Free Surface	2.512	0.466	0.442	0.931	0.664	0.522	5,262,886.803	Yes	1.021	2.232
	TOE_2795-OTF1_60A	TOE_2795	OTF1_60A	24.000	214.510	0.001	2,326,551.242	952,038.362	Free Surface	2.009	0.555	0.595	1.111	0.664	0.373	3,909,765.156	No	1.111	2.009
	TOE_2798-TOE_2799	TOE_2798	TOE_2799	12.000	220.498	0.002	694,293.725	225,696.875	Free Surface	2.398	0.555	0.595	0.555	0.436	0.629	1,166,983.883	No	0.555	2.398
	TOE_2799-OTF1_108	TOE_2799	OTF1_108	16.000	33.367	0.002	694,293.725	225,696.875	Free Surface	2.384	0.359	0.276	0.478	0.400	0.708	2,519,550.956	No	0.478	2.384
	TOE_2800-TOE_2825	TOE_2800	TOE_2825	36.000	57.809	0.021	8,614,505.859	4,523,343.577	Free Surface	10.139	0.241	0.128	0.724	1.161	2.497	67,464,814.133	Yes	0.840	8.223
	TOE_2801-TOE_2612	TOE_2801	TOE_2612	18.000	141.337	0.016	1,074,330.451	379,477.297	Free Surface	5.458	0.229	0.115	0.343	0.485	1.956	9,366,308.345	No	0.343	5.458
	TOE_2802-TOE_2801	TOE_2802	TOE_2801	18.000	250.167	0.004	1,074,330.451	379,477.297	Free Surface	3.364	0.323	0.226	0.485	0.485	0.999	4,754,776.317	No	0.485	3.364
	TOE_2803-TOE_2802	TOE_2803	TOE_2802	18.000	194.718	0.004	1,074,330.451	379,477.297	Free Surface	3.176	0.337	0.245	0.505	0.485	0.921	4,389,857.843	No	0.505	3.176
	TOE_2804-TOE_2803	TOE_2804	TOE_2803	18.000	232.012	0.003	1,074,330.451	379,477.297	Free Surface	3.131	0.341	0.250	0.511	0.485	0.903	4,303,159.363	No	0.511	3.131
	TOE_2805-VPF1_718	TOE_2805	VPF1_718	18.000	261.376	0.010	1,325,402.121	487,251.177	Free Surface	4.827	0.290	0.183	0.435	0.540	1.523	7,240,963.795	No	0.435	4.827
	TOE_2806-TOE_2805	TOE_2806	TOE_2805	18.000	276.239	0.011	1,325,402.121	487,251.177	Free Surface	5.055	0.280	0.172	0.420	0.540	1.624	7,723,387.698	No	0.420	5.055
	TOE_2807-TOE_2806	TOE_2807	TOE_2806	18.000	443.273	0.004	1,325,402.121	487,251.177	Free Surface	3.647	0.355	0.270	0.533	0.540	1.027	4,903,668.343	No	0.533	3.647
	TOE_2808-TOE_2819	TOE_2808	TOE_2819	18.000	416.583	0.011	1,325,402.121	487,251.177	Free Surface	4.995	0.283	0.174	0.424	0.540	1.597	7,596,070.360	No	0.424	4.995
	TOE_2809-VRGC2_526	TOE_2809	VRGC2_526	10.000	56.047	0.036	593,284.015	187,225.850	Free Surface	6.497	0.306	0.203	0.255	0.425	2.669	2,920,079.797	No	0.255	6.497
	TOE_2817-TOE_2818	TOE_2817	TOE_2818	15.000	417.201	0.026	1,736,205.929	671,957.027	Free Surface	7.582	0.331	0.236	0.413	0.657	2.435	7,350,359.292	Yes	0.539	5.302
	TOE_2818-TOE_2758	TOE_2818	TOE_2758	18.000	341.416	0.003	1,736,205.929	671,957.027	Free Surface	3.552	0.443	0.406	0.665	0.622	0.879	4,279,919.147	Yes	0.736	3.115
	TOE_2819-TOE_2807	TOE_2819	TOE_2807	18.000	434.564	0.006	1,325,402.121	487,251.177	Free Surface	4.129	0.324	0.228	0.487	0.540	1.223	5,823,534.025	No	0.487	4.129
	TOE_2825-TOE_2826	TOE_2825	TOE_2826	36.000	165.860	0.005	10,113,756.776	5,475,381.938	Free Surface	6.226	0.386	0.315	1.157	1.262	1.183	32,111,628.908	Yes	1.228	5.747
	TOE_2826-TOE_2827	TOE_2826	TOE_2827	36.000	118.558	0.002	10,113,756.776	5,475,381.938	Free Surface	4.181	0.523	0.540	1.569	1.262	0.659	18,745,463.271	No	1.569	4.181
	TOE_2827-TOE_2828	TOE_2827	TOE_2828	36.000	294.232	0.003	10,113,756.776	5,475,381.938	Free Surface	5.362	0.431	0.386	1.294	1.262	0.954	26,183,894.176	Yes	1.323	5.208
	TOE_2828-TOE_2921	TOE_2828	TOE_2921	36.000	166.924	0.001	10,113,756.776	5,475,381.938	Free Surface	4.075	0.534	0.558	1.602	1.262	0.634	18,121,603.712	No	1.602	4.075
	TOE_2829-TOE_2830	TOE_2829	TOE_2830	36.000	96.097	0.003	10,113,756.776	5,475,381.938	Free Surface	5.293	0.436	0.393	1.307	1.262	0.936	25,723,528.003	Yes	1.376	4.946
	TOE_2830-TOE_2831	TOE_2830	TOE_2831	36.000	278.883	0.002	10,113,756.776	5,475,381.938	Free Surface	4.261	0.515	0.526	1.546	1.262	0.679</				

FULL BUILDOUT WITH SEPTIC PIPE TABLE

	ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (gpd)	Peakable Flow (gpd)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth (ft)	Critical Depth	Froude Number	Full Flow (gpd)	Backwater Adjustment	Adjusted Depth	Adjusted Velocity
	TOE_2837-TOE_2839	TOE_2837	TOE_2839	36.000	242.437	0.001	10,113,756.776	5,475,381.938	Free Surface	3.358	0.626	0.717	1.879	1.262	0.467	14,105,792.535	No	1.879	3.358
	TOE_2838-TOE_2840	TOE_2838	TOE_2840	36.000	279.046	0.002	10,113,756.776	5,475,381.938	Free Surface	4.083	0.533	0.557	1.599	1.262	0.636	18,166,539.006	No	1.599	4.083
	TOE_2839-TOE_2838	TOE_2839	TOE_2838	36.000	223.808	0.002	10,113,756.776	5,475,381.938	Free Surface	4.142	0.527	0.546	1.581	1.262	0.650	18,517,468.952	No	1.581	4.142
	TOE_2840-TOE_2841	TOE_2840	TOE_2841	36.000	262.834	0.002	10,113,756.776	5,475,381.938	Free Surface	4.621	0.484	0.472	1.451	1.262	0.766	21,420,316.629	No	1.451	4.621
	TOE_2841-TOE_2843	TOE_2841	TOE_2843	36.000	36.626	0.004	10,113,756.776	5,475,381.938	Free Surface	5.618	0.416	0.363	1.249	1.262	1.020	27,897,440.007	No	1.249	5.618
	TOE_2842-TOE_2844	TOE_2842	TOE_2844	36.000	444.636	0.003	10,113,756.776	5,475,381.938	Free Surface	5.217	0.440	0.401	1.321	1.262	0.916	25,221,921.417	No	1.321	5.217
	TOE_2843-TOE_2842	TOE_2843	TOE_2842	36.000	93.563	0.006	10,113,756.776	5,475,381.938	Free Surface	6.796	0.361	0.279	1.084	1.262	1.340	36,226,643.146	Yes	1.103	6.641
	TOE_2844-TOE_2845	TOE_2844	TOE_2845	36.000	17.372	0.020	10,113,756.776	5,475,381.938	Free Surface	10.399	0.266	0.154	0.797	1.262	2.432	65,508,663.780	Yes	1.353	5.060
	TOE_2845-TOE_2846	TOE_2845	TOE_2846	36.000	184.327	0.002	10,113,756.776	5,475,381.938	Free Surface	4.359	0.506	0.510	1.518	1.262	0.702	19,812,880.516	No	1.518	4.359
	TOE_2846-TOE_2847	TOE_2846	TOE_2847	36.000	229.186	0.002	10,113,756.776	5,475,381.938	Free Surface	4.623	0.483	0.472	1.450	1.262	0.767	21,429,504.184	No	1.450	4.623
	TOE_2847-TOE_2848	TOE_2847	TOE_2848	36.000	80.877	0.004	10,113,756.776	5,475,381.938	Free Surface	6.102	0.391	0.324	1.174	1.262	1.149	31,240,984.972	No	1.174	6.102
	TOE_2848-TOE_2849	TOE_2848	TOE_2849	36.000	459.682	0.005	10,113,756.776	5,475,381.938	Free Surface	6.287	0.383	0.311	1.148	1.262	1.199	32,541,157.345	No	1.148	6.287
	TOE_2849-TOE_2920	TOE_2849	TOE_2920	36.000	343.100	0.010	10,113,756.776	5,475,381.938	Free Surface	8.134	0.317	0.218	0.951	1.262	1.727	46,476,512.118	No	0.951	8.134
	TOE_2850-TOE_2851	TOE_2850	TOE_2851	36.000	249.280	0.009	10,113,756.776	5,475,381.938	Free Surface	7.870	0.325	0.228	0.974	1.262	1.649	44,388,011.310	Yes	0.996	7.634
	TOE_2851-TOE_2853	TOE_2851	TOE_2853	36.000	20.430	0.004	10,113,756.776	5,475,381.938	Free Surface	6.080	0.392	0.325	1.177	1.262	1.143	31,079,112.582	No	1.177	6.080
	TOE_2852-TOE_2860	TOE_2852	TOE_2860	36.000	359.537	0.002	10,311,215.524	5,602,882.370	Free Surface	4.293	0.520	0.535	1.561	1.275	0.679	19,287,627.371	No	1.561	4.293
	TOE_2853-TOE_2852	TOE_2853	TOE_2852	36.000	60.002	0.004	10,311,215.524	5,602,882.370	Free Surface	5.900	0.407	0.348	1.222	1.275	1.086	29,614,860.035	Yes	1.341	5.216
	TOE_2854-TOE_2853	TOE_2854	TOE_2853	12.000	398.579	0.004	429,452.694	127,500.432	Free Surface	2.623	0.359	0.275	0.359	0.340	0.900	1,559,749.936	No	0.359	2.623
	TOE_2855-TOE_2854	TOE_2855	TOE_2854	12.000	386.083	0.002	429,452.694	127,500.432	Free Surface	2.047	0.432	0.387	0.432	0.340	0.630	1,109,717.588	No	0.432	2.047
	TOE_2856-TOE_2855	TOE_2856	TOE_2855	12.000	226.541	0.003	429,452.694	127,500.432	Free Surface	2.336	0.391	0.323	0.391	0.340	0.763	1,329,421.551	No	0.391	2.336
	TOE_2857-TOE_2856	TOE_2857	TOE_2856	12.000	76.848	0.003	429,452.694	127,500.432	Free Surface	2.385	0.385	0.314	0.385	0.340	0.786	1,368,340.727	No	0.385	2.385
	TOE_2858-TOE_2857	TOE_2858	TOE_2857	12.000	348.353	0.011	429,452.694	127,500.432	Free Surface	3.749	0.277	0.168	0.277	0.340	1.485	2,563,756.376	No	0.277	3.749
	TOE_2859-TOE_2858	TOE_2859	TOE_2858	12.000	396.442	0.004	429,452.694	127,500.432	Free Surface	2.758	0.346	0.257	0.346	0.340	0.966	1,671,256.976	No	0.346	2.758
	TOE_2860-TOE_2861	TOE_2860	TOE_2861	36.000	403.356	0.002	10,311,215.524	5,602,882.370	Free Surface	4.109	0.539	0.566	1.616	1.275	0.636	18,209,827.948	No	1.616	4.109
	TOE_2861-TOE_2862	TOE_2861	TOE_2862	36.000	62.240	0.006	10,311,215.524	5,602,882.370	Free Surface	6.947	0.361	0.278	1.082	1.275	1.371	37,066,579.448	Yes	1.513	4.466
	TOE_2862-TOE_2863	TOE_2862	TOE_2863	36.000	159.775	0.001	10,311,215.524	5,602,882.370	Free Surface	3.670	0.591	0.656	1.772	1.275	0.533	15,716,935.916	No	1.772	3.670
	TOE_2863-TOE_2864	TOE_2863	TOE_2864	36.000	205.062	0.002	10,311,215.524	5,602,882.370	Free Surface	4.804	0.476	0.460	1.429	1.275	0.804	22,417,712.211	No	1.429	4.804
	TOE_2864-TOE_2865	TOE_2864	TOE_2865	36.000	114.615	0.003	10,311,215.524	5,602,882.370	Free Surface	5.399	0.435	0.393	1.306	1.275	0.955	26,241,125.882	Yes	1.386	4.997
	TOE_2865-TOE_2866	TOE_2865	TOE_2866	36.000	284.715	0.002	10,311,215.524	5,602,882.370	Free Surface	4.143	0.535	0.560	1.605	1.275	0.644	18,407,998.604	No	1.605	4.143
	TOE_2866-TOE_2867	TOE_2866	TOE_2867	36.000	270.608	0.002	10,311,215.524	5,602,882.370	Free Surface	4.150	0.534	0.559	1.603	1.275	0.645	18,447,596.010	No	1.603	4.150
	TOE_2867-TOE_2868	TOE_2867	TOE_2868	36.000	370.460	0.003	10,356,033.869	5,631,882.519	Free Surface	5.416	0.436	0.394	1.308	1.278	0.957	26,315,252.924	Yes	1.348	5.204
	TOE_2868-TOE_2869	TOE_2868	TOE_2869	36.000	408.607	0.002	10,356,033.869	5,631,882.519	Free Surface	4.426	0.510	0.516	1.529	1.278	0.710	20,061,486.848	No	1.529	4.426
	TOE_2869-TOE_2870	TOE_2869	TOE_2870	36.000	396.171	0.002	10,356,033.869	5,631,882.519	Free Surface	4.243	0.527	0.546	1.581	1.278	0.666	18,967,088.030	No	1.581	4.243
	TOE_2870-TOE_2871	TOE_2870	TOE_2871	36.000	396.576	0.002	10,356,033.869	5,631,882.519	Free Surface	4.314	0.520	0.534	1.560	1.278	0.683	19,389,949.386	No	1.560	4.314
	TOE_2871-TOE_2872	TOE_2871	TOE_2872	36.000	400.375	0.002	10,356,033.869	5,631,882.519	Free Surface	4.126	0.539	0.567	1.617	1.278	0.638	18,777,493.798	No	1.617	4.126
	TOE_2872-TOE_2873	TOE_2872	TOE_2873	36.000	381.197	0.002	10,356,033.869	5,631,882.519	Free Surface	4.543	0.499	0.499	1.497	1.278	0.738	20,270,239.554	Yes	1.565	4.296
	TOE_2873-TOE_2874	TOE_2873	TOE_2874	36.000	56.391	0.001	10,356,033.869	5,631,882.519	Free Surface	3.814	0.574	0.628	1.723	1.278	0.565	16,497,998.692	No	1.723	3.814
	TOE_2874-TOE_2875	TOE_2874	TOE_2875	36.000	68.032	0.002	10,356,033.869	5,631,882.519	Free Surface	4.494	0.503	0.506	1.510	1.278	0.726	20,469,178.536	No	1.510	4.494
	TOE_2875-TOE_2876	TOE_2875	TOE_2876	36.000	48.547	0.002	10,356,033.869	5,631,882.519	Free Surface	4.790	0.479	0.465	1.437	1.278	0.799	22,289,471.205	No	1.437	4.790
	TOE_2876-TOE_2877	TOE_2876	TOE_2877	36.000	329.140	0.002	10,356,033.869	5,631,882.519	Free Surface	4.550	0.499	0.498	1.496	1.278	0.740	20,809,404.903	Yes	1.506	4.512
	TOE_2877-TOE_2878	TOE_2877	TOE_2878	36.000	307.671	0.002	10,356,033.869	5,631,882.519	Free Surface	4.130	0.538	0.566	1.615	1.278	0.639	18,301,672.579	No	1.615	4.130
	TOE_2878-TOE_2879	TOE_2878	TOE_2879	36.000	361.008	0.002	10,356,033.869	5,631,882.519	Free Surface	4.290	0.522	0.538	1.567	1.278	0.677	19,248,269.871	No	1.567	4.290
	TOE_2879-TOE_2880	TOE_2879	TOE_2880	36.000	33.270	0.002	10,356,033.869	5,631,882.519	Free Surface	4.104	0.541	0.570	1.623	1.278	0.633	18,152,727.646	No	1.623	4.104
	TOE_2880-TOE_2881	TOE_2880	TOE_2881	36.000	195.334	0.003	10,356,033.869	5,631,882.519	Free Surface	5.294	0.443	0.406	1.330	1.278	0.926	25,515,851.106	Yes	1.431	4.817
	TOE_2881-TOE_2882	TOE_2881	TOE_2882	36.000	209.365	0.001	10,356,033.869	5,631,882.519	Free Surface	4.081	0.544	0.575	1.631	1.278	0.627	18,018,305.840	No	1.631	4.081
	TOE_2882-TOE_2883	TOE_2882	TOE_2883	36.000	151.038	0.002	10,480,237.277	5,712,382.809	Free Surface	4.270	0.529	0.550	1.588	1.286	0.668	19,050,775.400	No	1.588	4.270
	TOE_2883-TOE_2884	TOE_2883	TOE_2884	36.000	399.934	0.002	10,480,237.277	5,712,382.809	Free Surface	4.407	0.516	0.527	1.548	1.286	0.701	19,868,163.099	No	1.548	4.407
	TOE_2884-TOE_2885	TOE_2884	TOE_2885	36.000	386.814	0.002	10,480,237.277	5,712,382.809	Free Surface	4.343	0.522	0.538	1.566	1.286	0.686	19,488,193.635	No	1.566	4.343
	TOE_2885-TOE_2886	TOE_2885	TOE_2886	36.000	336.538	0.002	10,480,237.277	5,712,382.809	Free Surface	4.821	0.481	0.468	1.443	1.286	0.802	22,398,228.728	Yes	1.447	4.804
	TOE_2886-TOE_2887	TOE_2886	TOE_2887	36.000	202.207	0.002	11,420,925.845	6,327,880.337	Free Surface	4.793	0.517	0.529	1.551	1.345	0.762	21,593,423.325	No	1.551	4.793
	TOE_2887-TOE_2888	TOE_2887	TOE_2888	36.000	396.382	0.003	11,420,925.845	6,327,880.337	Free Surface	5.260	0.481	0.467	1.442	1.345	0.876	24,442,188.395	Yes	1.593	4.635
	TOE_2888-TOE_2889	TOE_2888	TOE_2889	36.000	530.806	0.001	11,420,925.845	6,327,880.337	Free Surface	3.781	0.628	0.719	1.884	1.345	0.525	15,873,859.216	No	1.884	3.781
	TOE_2889-TOE_2890																		

FULL BUILDOUT WITH SEPTIC PIPE TABLE

	ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (gpd)	Peakable Flow (gpd)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth (ft)	Critical Depth	Froude Number	Full Flow (gpd)	Backwater Adjustment	Adjusted Depth	Adjusted Velocity
	TOE_2896-TOE_2897	TOE_2896	TOE_2897	36.000	403.174	0.002	11,489,476.858	6,373,116.480	Free Surface	4.216	0.576	0.631	1.728	1.349	0.623	18,213,943.362	No	1.728	4.216
	TOE_2897-TOE_2898	TOE_2897	TOE_2898	36.000	409.240	0.005	11,489,476.858	6,373,116.480	Free Surface	6.618	0.405	0.345	1.216	1.349	1.221	33,302,844.467	Yes	1.397	5.514
	TOE_2898-TOE_2899	TOE_2898	TOE_2899	36.000	347.870	0.002	11,489,476.858	6,373,116.480	Free Surface	4.405	0.556	0.596	1.668	1.349	0.667	19,284,262.044	No	1.668	4.405
	TOE_2899-TOE_2900	TOE_2899	TOE_2900	36.000	334.864	0.002	11,489,476.858	6,373,116.480	Free Surface	4.943	0.507	0.512	1.521	1.349	0.796	22,454,145.401	No	1.521	4.943
	TOE_2900-TOE_2901	TOE_2900	TOE_2901	36.000	38.258	0.003	11,489,476.858	6,373,116.480	Free Surface	5.550	0.463	0.438	1.389	1.349	0.945	26,224,849.365	Yes	1.406	5.464
	TOE_2901-TOE_2902	TOE_2901	TOE_2902	36.000	295.270	0.002	11,489,476.858	6,373,116.480	Free Surface	4.973	0.504	0.508	1.513	1.349	0.803	22,636,020.216	No	1.513	4.973
	TOE_2902-TOE_2903	TOE_2902	TOE_2903	36.000	388.341	0.002	11,489,476.858	6,373,116.480	Free Surface	4.720	0.526	0.544	1.577	1.349	0.742	21,119,930.531	No	1.577	4.720
	TOE_2903-TOE_2904	TOE_2903	TOE_2904	36.000	413.543	0.002	11,489,476.858	6,373,116.480	Free Surface	4.449	0.551	0.588	1.654	1.349	0.678	19,538,514.789	Yes	1.974	3.604
	TOE_2904-TOE_2951	TOE_2904	TOE_2951	36.000	71.017	0.002	17,738,053.708	10,687,655.816	Free Surface	4.782	0.757	0.922	2.271	1.694	0.564	19,248,349.176	Yes	2.403	4.523
	TOE_2905-TOE_2906	TOE_2905	TOE_2906	30.000	394.000	0.001	8,168,433.627	4,245,900.321	Free Surface	3.589	0.674	0.796	1.686	1.194	0.516	10,258,167.458	No	1.686	3.589
	TOE_2906-TOE_2736	TOE_2906	TOE_2736	30.000	373.680	0.002	8,168,433.627	4,245,900.321	Free Surface	4.412	0.566	0.613	1.415	1.194	0.723	13,323,799.684	No	1.415	4.412
	TOE_2914-TOE_2769	TOE_2914	TOE_2769	18.000	286.272	0.002	1,736,205.929	671,957.027	Free Surface	3.014	0.503	0.506	0.755	0.622	0.689	3,431,902.076	No	0.755	3.014
	TOE_2915-TOE_2977	TOE_2915	TOE_2977	8.000	33.639	0.014	213,269.634	55,624.299	Free Surface	3.504	0.315	0.215	0.210	0.266	1.583	992,018.765	No	0.210	3.504
	TOE_2916-TOE_2915	TOE_2916	TOE_2915	8.000	94.519	0.030	213,269.634	55,624.299	Free Surface	4.619	0.258	0.146	0.172	0.266	2.327	1,460,098.057	No	0.172	4.619
	TOE_2917-TOE_2916	TOE_2917	TOE_2916	8.000	398.787	0.034	213,269.634	55,624.299	Free Surface	4.831	0.250	0.137	0.167	0.266	2.475	1,555,054.568	No	0.167	4.831
	TOE_2920-TOE_2850	TOE_2920	TOE_2850	36.000	73.831	0.009	10,113,756.776	5,475,381.938	Free Surface	7.940	0.322	0.225	0.967	1.262	1.669	44,938,979.234	Yes	0.971	7.905
	TOE_2921-TOE_2829	TOE_2921	TOE_2829	36.000	174.848	0.003	10,113,756.776	5,475,381.938	Free Surface	5.582	0.418	0.366	1.255	1.262	1.011	27,657,927.613	No	1.255	5.582
	TOE_2941-TOE_2942	TOE_2941	TOE_2942	12.000	359.851	0.010	438,630.099	130,749.071	Free Surface	3.695	0.284	0.176	0.284	0.343	1.443	2,491,257.696	No	0.284	3.695
	TOE_2942-TOE_2943	TOE_2942	TOE_2943	12.000	401.258	0.023	438,630.099	130,749.071	Free Surface	4.989	0.229	0.116	0.229	0.343	2.186	3,797,565.592	No	0.229	4.989
	TOE_2943-TOE_2944	TOE_2943	TOE_2944	12.000	199.566	0.022	438,630.099	130,749.071	Free Surface	4.879	0.233	0.119	0.233	0.343	2.120	3,679,975.286	No	0.233	4.879
	TOE_2944-TOE_2945	TOE_2944	TOE_2945	15.000	219.323	0.003	956,843.088	330,633.956	Free Surface	2.777	0.448	0.414	0.560	0.482	0.747	2,311,912.994	Yes	0.599	2.545
	TOE_2945-TOE_2946	TOE_2945	TOE_2946	15.000	379.787	0.001	956,843.088	330,633.956	Free Surface	2.217	0.535	0.560	0.668	0.482	0.534	1,710,026.283	No	0.668	2.217
	TOE_2946-TOE_2947	TOE_2946	TOE_2947	15.000	248.186	0.002	956,843.088	330,633.956	Free Surface	2.449	0.494	0.490	0.618	0.482	0.621	1,952,390.266	Yes	0.649	2.300
	TOE_2947-TOE_2948	TOE_2947	TOE_2948	15.000	228.183	0.002	956,843.088	330,633.956	Free Surface	2.353	0.510	0.517	0.638	0.482	0.584	1,850,658.630	Yes	0.929	1.513
	TOE_2948-TOE_2949	TOE_2948	TOE_2949	18.000	340.001	0.001	2,386,019.854	981,077.391	Free Surface	2.459	0.792	0.968	1.188	0.734	0.390	2,465,361.598	No	1.188	2.459
	TOE_2949-VPF1_1	TOE_2949	VPF1_1	18.000	305.002	0.001	2,386,019.854	981,077.391	Free Surface	2.754	0.709	0.852	1.064	0.734	0.489	2,800,940.995	No	1.064	2.754
	TOE_2950-WWTP1	TOE_2950	WWTP1	36.000	82.011	0.002	17,738,053.708	10,687,655.816	Free Surface	4.644	0.779	0.951	2.338	1.694	0.531	18,643,236.672	No	2.338	4.644
	TOE_2951-TOE_2950	TOE_2951	TOE_2950	36.000	215.000	0.001	17,738,053.708	10,687,655.816	Free Surface	4.507	0.804	0.982	2.411	1.694	0.497	18,065,131.090	No	2.411	4.507
	TOE_2960-TOE_2748	TOE_2960	TOE_2748	12.000	375.067	0.016	1,662,539.917	638,151.600	Free Surface	6.353	0.512	0.521	0.512	0.687	1.759	3,192,365.157	No	0.512	6.353
	TOE_2962-TOE_2960	TOE_2962	TOE_2960	12.000	141.655	0.002	1,010,674.019	352,874.747	Pressurized	1.991	1.000	1.025	1.000	0.524	0.351	985,693.500	No	1.000	1.991
	TOE_2964-TOE_2960	TOE_2964	TOE_2960	12.000	14.142	0.021	626,383.849	199,653.045	Free Surface	5.367	0.281	0.172	0.281	0.413	2.110	3,642,905.269	Yes	0.426	3.035
	TOE_2965-TOE_2964	TOE_2965	TOE_2964	12.000	260.000	0.004	573,681.088	179,866.012	Free Surface	2.927	0.410	0.353	0.410	0.395	0.929	1,626,880.922	No	0.410	2.927
	TOE_2966-TOE_2965	TOE_2966	TOE_2965	12.000	274.110	0.026	573,681.088	179,866.012	Free Surface	5.648	0.254	0.142	0.254	0.395	2.343	4,053,687.141	Yes	0.282	4.879
	TOE_2967-TOE_2966	TOE_2967	TOE_2966	12.000	400.000	0.005	573,681.088	179,866.012	Free Surface	2.994	0.403	0.342	0.403	0.395	0.960	1,677,847.751	No	0.403	2.994
	TOE_2968-TOE_2969	TOE_2968	TOE_2969	12.000	29.106	0.017	573,681.088	179,866.012	Free Surface	4.854	0.283	0.175	0.283	0.395	1.899	3,278,251.079	No	0.283	4.854
	TOE_2969-TOE_2967	TOE_2969	TOE_2967	12.000	121.875	0.007	573,681.088	179,866.012	Free Surface	3.435	0.364	0.283	0.364	0.395	1.168	2,026,442.109	No	0.364	3.435
	TOE_2970-TOE_2971	TOE_2970	TOE_2971	12.000	280.000	0.004	573,681.088	179,866.012	Free Surface	2.750	0.430	0.384	0.430	0.395	0.849	1,494,744.776	No	0.430	2.750
	TOE_2971-TOE_2972	TOE_2971	TOE_2972	12.000	245.041	0.004	573,681.088	179,866.012	Free Surface	2.991	0.403	0.342	0.403	0.395	0.958	1,675,804.058	No	0.403	2.991
	TOE_2972-TOE_2968	TOE_2972	TOE_2968	12.000	140.000	0.006	573,681.088	179,866.012	Free Surface	3.266	0.378	0.303	0.378	0.395	1.087	1,890,719.351	No	0.378	3.266
	TOE_2973-FMF4_4_4	TOE_2973	FMF4_4_4	12.000	88.704	0.003	431,189.730	128,115.312	Free Surface	2.497	0.373	0.296	0.373	0.340	0.837	1,454,573.210	No	0.373	2.497
	TOE_2977-TOE_2733	TOE_2977	TOE_2733	8.000	117.630	0.033	255,520.276	68,873.734	Free Surface	5.037	0.276	0.167	0.184	0.293	2.446	1,532,743.993	Yes	0.255	3.220
	TOE_2978-TOE_2581	TOE_2978	TOE_2581	18.000	246.826	0.006	1,421,643.166	529,672.121	Free Surface	4.121	0.342	0.252	0.513	0.560	1.186	5,652,198.509	No	0.513	4.121
	TOE_2979-TOE_2582	TOE_2979	TOE_2582	18.000	266.276	0.005	1,421,643.166	529,672.121	Free Surface	3.755	0.366	0.286	0.549	0.560	1.039	4,971,130.152	No	0.549	3.755
	TOE_2980-TOE_2583	TOE_2980	TOE_2583	18.000	370.537	0.004	1,421,643.166	529,672.121	Free Surface	3.652	0.374	0.297	0.560	0.560	0.999	4,784,926.938	No	0.560	3.652
	TOE_2981-CHF3C_8	TOE_2981	CHF3C_8	18.000	183.500	0.009	1,355,387.386	500,421.412	Free Surface	4.742	0.298	0.194	0.447	0.547	1.472	7,001,296.122	No	0.447	4.742
	TOE_2982-TOE_2983	TOE_2982	TOE_2983	18.000	41.744	0.020	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	10,460,971.448	Yes	0.064	0.000
	TOE_2983-TOE_2576	TOE_2983	TOE_2576	18.000	147.819	0.030	1,355,387.386	500,421.412	Free Surface	7.314	0.219	0.105	0.329	0.547	2.682	12,866,766.566	Yes	0.361	6.399
	TOE_2984-TOE_2629	TOE_2984	TOE_2629	15.000	239.270	0.010	968,433.703	335,401.794	Free Surface	4.600	0.311	0.210	0.389	0.485	1.528	4,607,657.122	No	0.389	4.600
	TOE_2985-CFF1_31	TOE_2985	CFF1_31	12.000	328.016	0.007	433,406.789	128,900.111	Free Surface	3.237	0.310	0.208	0.310	0.341	1.205	2,080,710.568	No	0.310	3.237
	TOE_2986-TOE_2985	TOE_2986	TOE_2985	12.000	26.296	0.009	433,406.789	128,900.111	Free Surface	3.575	0.288	0.181	0.288	0.341	1.384	2,389,490.090	No	0.288	3.575
	TOE_2987-TOE_2991	TOE_2987	TOE_2991	12.000	403.065	0.004	324,683.336	91,399.646	Free Surface	2.524	0.301	0.197	0.301	0.294	0.955	1,648,076.623	No	0.301	2.524
	TOE_2988-TOE_2987	TOE_2988	TOE_2987	12.000	399.995	0.005	324,683.336	91,399.646	Free Surface	2.616	0.293	0.187	0.293	0.294	1.004	1,732,883.867	No	0.293	2.616
	TOE_2989-TOE_2988	TOE_2989	TOE_2988	12.000	398.629	0.005	324,683.336	91,399.646	Free Surface	2.639	0.291	0.185	0.291	0.294	1.016	1,753,840.209	No	0.291	2.639
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FULL BUILDOUT WITH SEPTIC PIPE TABLE

	ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (gpd)	Peakable Flow (gpd)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth (ft)	Critical Depth	Froude Number	Full Flow (gpd)	Backwater Adjustment	Adjusted Depth	Adjusted Velocity
	TOE_3005-TOE_2800	TOE_3005	TOE_2800	36.000	9.211	0.018	8,614,505.859	4,523,343.577	Free Surface	9.724	0.249	0.135	0.746	1.161	2.357	63,615,880.152	No	0.746	9.724
	VPF1_103-VPF1_15A	VPF1_103	VPF1_15A	21.000	270.656	0.005	3,932,806.715	1,778,569.250	Free Surface	5.124	0.495	0.492	0.866	0.909	1.096	8,000,391.679	No	0.866	5.124
	VPF1_11-VPF1_12	VPF1_11	VPF1_12	21.000	383.454	0.009	1,960,994.585	776,741.468	Free Surface	5.163	0.293	0.187	0.513	0.632	1.498	10,474,621.665	No	0.513	5.163
	VPF1_126-VPF1_127	VPF1_126	VPF1_127	8.000	217.056	0.021	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,220,115.230	No	0.000	0.000
	VPF1_127-VPF1_128	VPF1_127	VPF1_128	8.000	198.724	0.022	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,256,557.008	No	0.000	0.000
	VPF1_128-VPF1_129	VPF1_128	VPF1_129	8.000	186.503	0.004	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	565,925.610	No	0.000	0.000
	VPF1_129-VPF1_130	VPF1_129	VPF1_130	8.000	116.246	0.011	83,998.048	20,999.512	Free Surface	2.481	0.208	0.094	0.138	0.165	1.404	890,184.725	No	0.138	2.481
	VPF1_130-VPF1_131	VPF1_12	VPF1_13	21.000	277.540	0.005	1,960,994.585	776,741.468	Free Surface	4.322	0.333	0.240	0.583	0.632	1.168	8,177,844.604	No	0.583	4.322
	VPF1_130-ECF21_131	VPF1_130	ECF21_131	8.000	243.303	0.043	83,998.048	20,999.512	Free Surface	4.000	0.149	0.048	0.099	0.165	2.694	1,753,907.078	No	0.099	4.000
	VPF1_13-VPF1_14	VPF1_13	VPF1_14	21.000	378.543	0.011	1,960,994.585	776,741.468	Free Surface	5.546	0.278	0.169	0.487	0.632	1.655	11,576,833.934	Yes	0.599	4.173
	VPF1_14-VPF1_15	VPF1_14	VPF1_15	21.000	183.524	0.001	1,960,994.585	776,741.468	Free Surface	2.401	0.520	0.534	0.910	0.632	0.498	3,672,178.088	No	0.910	2.401
	VPF1_15A-VPF1_16	VPF1_15A	VPF1_16	21.000	277.576	0.004	4,008,365.258	1,819,319.795	Free Surface	4.812	0.528	0.548	0.924	0.918	0.987	7,314,011.896	No	0.924	4.812
	VPF1_15-VPF1_58	VPF1_15	VPF1_58	21.000	302.374	0.001	1,960,994.585	776,741.468	Free Surface	2.582	0.491	0.485	0.859	0.632	0.555	4,045,882.904	No	0.859	2.582
	VPF1_16-VPF1_17	VPF1_16	VPF1_17	24.000	519.762	0.022	4,008,365.258	1,819,319.795	Free Surface	8.683	0.278	0.169	0.557	0.881	2.424	23,675,095.698	Yes	0.743	5.835
	VPF1_17-VPF1_18A	VPF1_17	VPF1_18A	24.000	516.132	0.002	4,008,365.258	1,819,319.795	Free Surface	3.391	0.565	0.611	1.130	0.881	0.622	6,557,887.935	No	1.130	3.391
	VPF1_18A-VPF1_19A	VPF1_18A	VPF1_19A	24.000	342.998	0.002	4,008,365.258	1,819,319.795	Free Surface	3.765	0.519	0.533	1.038	0.881	0.731	7,524,934.513	No	1.038	3.765
	VPF1_19A-VPF1_20A	VPF1_19A	VPF1_20A	24.000	471.360	0.002	4,008,365.258	1,819,319.795	Free Surface	3.740	0.522	0.537	1.044	0.881	0.724	7,460,076.687	No	1.044	3.740
	VPF1_1-VPF1_58	VPF1_1	VPF1_58	18.000	426.455	0.002	2,386,019.854	981,077.391	Free Surface	3.097	0.639	0.738	0.958	0.734	0.600	3,233,695.771	Yes	1.136	2.570
	VPF1_20A-VPF1_21A	VPF1_20A	VPF1_21A	24.000	393.842	0.002	4,008,365.258	1,819,319.795	Free Surface	3.642	0.533	0.557	1.066	0.881	0.695	7,202,514.822	No	1.066	3.642
	VPF1_21A-ECF21_22A	VPF1_21A	ECF21_22A	24.000	92.771	0.005	4,008,365.258	1,819,319.795	Free Surface	4.970	0.419	0.366	0.838	0.881	1.102	10,937,602.961	No	0.838	4.970
	VPF1_32A-VPF1_11	VPF1_32A	VPF1_11	21.000	126.479	0.016	1,960,994.585	776,741.468	Free Surface	6.347	0.253	0.140	0.443	0.632	1.995	13,988,184.722	No	0.443	6.347
	VPF1_58-VPF1_103	VPF1_58	VPF1_103	21.000	477.078	0.002	3,932,806.715	1,778,569.250	Free Surface	3.616	0.660	0.772	1.154	0.909	0.633	5,092,850.578	No	1.154	3.616
	VPF1_718-VPF1_7	VPF1_718	VPF1_7	18.000	341.600	0.011	1,919,890.751	757,416.675	Free Surface	5.565	0.342	0.252	0.513	0.655	1.601	7,633,266.557	No	0.513	5.565
	VPF1_7-VPF1_8	VPF1_7	VPF1_8	18.000	284.327	0.012	1,919,890.751	757,416.675	Free Surface	5.727	0.335	0.242	0.502	0.655	1.668	7,944,680.409	No	0.502	5.727
	VPF1_8-VPFE_10A	VPF1_8	VPFE_10A	18.000	430.730	0.005	1,919,890.751	757,416.675	Free Surface	4.075	0.431	0.386	0.647	0.655	1.025	4,974,554.461	No	0.647	4.075
	VPFE_10A-VPF1_32A	VPFE_10A	VPF1_32A	18.000	393.415	0.007	1,919,890.751	757,416.675	Free Surface	4.860	0.378	0.303	0.567	0.655	1.321	6,331,436.904	No	0.567	4.860
	VPFE_717-VPF1_718	VPFE_717	VPF1_718	10.000	222.961	0.026	642,893.033	205,950.162	Free Surface	5.894	0.348	0.260	0.290	0.443	2.253	2,472,239.579	No	0.290	5.894
	VRF1D_702-VRF1D_703	VRF1D_702	VRF1D_703	10.000	264.156	0.036	529,279.220	163,450.018	Free Surface	6.272	0.289	0.182	0.241	0.400	2.659	2,909,236.636	No	0.241	6.272
	VRF1D_703-VRF1D_704	VRF1D_703	VRF1D_704	10.000	273.597	0.022	529,279.220	163,450.018	Free Surface	5.307	0.326	0.230	0.272	0.400	2.104	2,304,210.739	No	0.272	5.307
	VRF1D_704-VRF1D_705	VRF1D_704	VRF1D_705	10.000	119.786	0.022	529,279.220	163,450.018	Free Surface	5.257	0.328	0.233	0.273	0.400	2.077	2,274,792.718	No	0.273	5.257
	VRF1D_705-VRF1D_707	VRF1D_705	VRF1D_707	10.000	128.235	0.023	529,279.220	163,450.018	Free Surface	5.341	0.324	0.228	0.270	0.400	2.123	2,325,003.942	No	0.270	5.341
	VRF1D_707-VRF1D_708	VRF1D_707	VRF1D_708	10.000	101.257	0.019	529,279.220	163,450.018	Free Surface	4.975	0.342	0.251	0.285	0.400	1.921	2,106,963.549	No	0.285	4.975
	VRF1D_708-VRF1D_709	VRF1D_708	VRF1D_709	10.000	114.157	0.009	529,279.220	163,450.018	Free Surface	3.840	0.414	0.359	0.345	0.400	1.327	1,475,150.080	No	0.345	3.840
	VRF1D_709-VRF1D_710	VRF1D_709	VRF1D_710	10.000	81.755	0.005	529,279.220	163,450.018	Free Surface	3.040	0.495	0.492	0.413	0.400	0.942	1,075,888.658	No	0.413	3.040
	VRF1D_710-VRF1D_711	VRF1D_710	VRF1D_711	10.000	135.900	0.005	529,279.220	163,450.018	Free Surface	3.048	0.494	0.490	0.412	0.400	0.946	1,079,993.881	No	0.412	3.048
	VRF1D_711-VRF1D_712	VRF1D_711	VRF1D_712	10.000	117.552	0.005	529,279.220	163,450.018	Free Surface	3.145	0.482	0.470	0.402	0.400	0.991	1,126,029.256	No	0.402	3.145
	VRF1D_712-VRF1D_713	VRF1D_712	VRF1D_713	10.000	119.736	0.005	529,279.220	163,450.018	Free Surface	2.969	0.505	0.508	0.420	0.400	0.909	1,042,469.353	No	0.420	2.969
	VRF1D_713-VRF1D_714	VRF1D_713	VRF1D_714	10.000	146.622	0.005	529,279.220	163,450.018	Free Surface	2.979	0.503	0.505	0.419	0.400	0.914	1,047,485.961	No	0.419	2.979
	VRF1D_714-VRF1D_715	VRF1D_714	VRF1D_715	10.000	144.757	0.007	529,279.220	163,450.018	Free Surface	3.555	0.439	0.398	0.366	0.400	1.187	1,328,573.212	No	0.366	3.555
	VRF1D_715-VRF1D_716	VRF1D_715	VRF1D_716	10.000	186.765	0.020	529,279.220	163,450.018	Free Surface	5.063	0.337	0.245	0.281	0.400	1.969	2,159,085.065	No	0.281	5.063
	VRF1D_716-TOE_2997	VRF1D_716	TOE_2997	10.000	174.246	0.011	642,893.033	205,950.162	Free Surface	4.303	0.440	0.400	0.367	0.443	1.435	1,606,160.052	Yes	0.374	4.192
	VRF1G_186-VRF1G_188	VRF1G_186	VRF1G_188	10.000	386.298	0.019	515,119.440	158,274.660	Free Surface	4.950	0.336	0.244	0.280	0.394	1.929	2,114,433.309	No	0.280	4.950
	VRF1G_188-VRF1G_204	VRF1G_188	VRF1G_204	10.000	200.334	0.007	515,119.440	158,274.660	Free Surface	3.500	0.435	0.392	0.363	0.394	1.175	1,313,083.968	No	0.363	3.500
	VRF1G_204-VRF1G_205	VRF1G_204	VRF1G_205	12.000	221.868	0.005	515,119.440	158,274.660	Free Surface	2.941	0.377	0.302	0.377	0.373	0.980	1,704,187.884	No	0.377	2.941
	VRF1G_205-VRGC2_206	VRF1G_205	VRGC2_206	12.000	209.684	0.004	515,119.440	158,274.660	Free Surface	2.892	0.382	0.309	0.382	0.373	0.957	1,665,730.837	No	0.382	2.892
	VRGC1_698-VRGC1_699	VRGC1_698	VRGC1_699	10.000	204.736	0.012	529,279.220	163,450.018	Free Surface	4.252	0.384	0.312	0.320	0.400	1.537	1,696,275.750	No	0.320	4.252
	VRGC1_699-TOE_2673	VRGC1_699	TOE_2673	10.000	399.007	0.019	529,279.220	163,450.018	Free Surface	4.961	0.342	0.252	0.285	0.400	1.914	2,098,929.430	No	0.285	4.961
	VRGC2_206-VRGC2_544	VRGC2_206	VRGC2_544	12.000	381.521	0.019	515,119.440	158,274.660	Free Surface	4.894	0.261	0.149	0.261	0.373	2.002	3,462,149.029	No	0.261	4.894
	VRGC2_526-VRGC2_527	VRGC2_526	VRGC2_527	12.000	333.897	0.013	593,284.015	187,225.850	Free Surface	4.465	0.308	0.206	0.308	0.402	1.667	2,877,737.546	No	0.308	4.465
	VRGC2_527-VRGC2_543	VRGC2_527	VRGC2_543	12.000	365.877	0.022	781,949.951	259,976.062	Free Surface	5.810	0.311	0.210	0.311	0.464	2.159	3,726,120.442	No	0.311	5.810
	VRGC2_543-VRGC2_544	VRGC2_543	VRGC2_544	12.000	414.462	0.004	781,949.951	259,976.062	Free Surface	3.074	0.501	0.502	0.501	0.464	0.863	1,558,894.535	No	0.501	3.074
	VRGC2_544-VRGC2_545	VRGC2_544	VRGC2_545	12.000	424.950	0.012	1,165,778.322	418,250.723	Free Surface	5.206	0.454	0.423	0.454	0.572	1.555	2,758,815.575	No	0.454	5.206
	VRGC2_545-VRGC2_580	VRGC2_545	VRGC2_580	15.000	295.290	0.004	1,165,778.322	418,250.723	Free Surface	3.553	0.432	0.387	0.540	0.534	0.978	3,009,008.765	No	0.540	3.553
	VRGC2_580-VRGC2_581	VRGC2_580	VRGC2_581	15.000	232.815	0.005	1,165,778.322	418,250.723	Free Surface	3.843	0.407	0.348	0.509	0.534	1.096	3,349,445.4			

FULL BUILDOUT WITH SEPTIC PIPE TABLE

	ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (gpd)	Peakable Flow (gpd)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth (ft)	Critical Depth	Froude Number	Full Flow (gpd)	Backwater Adjustment	Adjusted Depth	Adjusted Velocity
	VRGC4_389-VRGC4_415	VRGC4_389	VRGC4_415	10.000	189.101	0.007	530,102.646	163,750.978	Free Surface	3.421	0.452	0.421	0.377	0.400	1.121	1,260,514.724	No	0.377	3.421
	VRGC4_415-VRGC4_416	VRGC4_415	VRGC4_416	10.000	398.517	0.004	530,102.646	163,750.978	Free Surface	2.843	0.523	0.539	0.436	0.400	0.851	983,702.686	No	0.436	2.843
	VRGC4_416-VRGC4_417	VRGC4_416	VRGC4_417	10.000	383.546	0.006	530,102.646	163,750.978	Free Surface	3.307	0.464	0.440	0.387	0.400	1.067	1,203,978.104	No	0.387	3.307
	VRGC4_417-VRGC4_418	VRGC4_417	VRGC4_418	10.000	400.664	0.060	530,102.646	163,750.978	Free Surface	7.528	0.254	0.141	0.212	0.400	3.423	3,754,304.275	No	0.212	7.528
	VRGC4_418-VRGC4_419	VRGC4_418	VRGC4_419	10.000	405.006	0.008	593,284.015	187,225.850	Free Surface	3.788	0.456	0.427	0.380	0.425	1.236	1,390,518.069	No	0.380	3.788
	VRGC4_419-VRGC4_420	VRGC4_419	VRGC4_420	10.000	192.748	0.017	593,284.015	187,225.850	Free Surface	4.940	0.374	0.297	0.311	0.425	1.813	1,997,285.306	No	0.311	4.940
	VRGC4_420-TOE_2809	VRGC4_420	TOE_2809	10.000	333.343	0.017	593,284.015	187,225.850	Free Surface	4.996	0.370	0.292	0.309	0.425	1.843	2,028,905.449	No	0.309	4.996
	VRGC6_183-VRGC6_184	VRGC6_183	VRGC6_184	10.000	185.714	0.006	515,119.440	158,274.660	Free Surface	3.252	0.460	0.433	0.383	0.394	1.055	1,189,139.609	No	0.383	3.252
	VRGC6_184-VRGC6_185	VRGC6_184	VRGC6_185	10.000	320.324	0.014	515,119.440	158,274.660	Free Surface	4.469	0.362	0.281	0.302	0.394	1.669	1,835,191.860	No	0.302	4.469
	VRGC6_185-VRF1G_186	VRGC6_185	VRF1G_186	10.000	172.691	0.023	515,119.440	158,274.660	Free Surface	5.350	0.318	0.219	0.265	0.394	2.152	2,355,518.068	No	0.265	5.350
	WCR10_1-I25_23	WCR10	I25_23	8.000	2,558.000	0.016	632,671.368	202,023.284	Free Surface	4.962	0.551	0.588	0.368	0.469	1.603	1,076,226.721	Yes	0.565	3.104
	WCR3_1	WCR3_80	TOE_2886	15.000	19.110	0.029	1,612,794.167	615,497.528	Free Surface	7.675	0.311	0.210	0.388	0.633	2.551	7,693,555.671	No	0.388	7.675
	WCR3_10	WCR3_86A	WCR3_86B	15.000	312.840	0.009	1,490,266.590	560,247.629	Free Surface	4.958	0.404	0.344	0.505	0.607	1.419	4,336,086.901	No	0.505	4.958
	WCR3_11	WCR3_87	WCR3_86A	15.000	256.720	0.009	1,490,266.590	560,247.629	Free Surface	4.938	0.406	0.346	0.507	0.607	1.411	4,311,121.273	No	0.507	4.938
	WCR3_12	WCR3_88	WCR3_87	15.000	216.760	0.009	1,490,266.590	560,247.629	Free Surface	4.920	0.407	0.347	0.508	0.607	1.404	4,290,297.352	No	0.508	4.920
	WCR3_13	WCR3_89	WCR3_88	15.000	287.980	0.009	1,490,266.590	560,247.629	Free Surface	4.929	0.406	0.347	0.508	0.607	1.407	4,300,756.138	No	0.508	4.929
	WCR3_14	WCR3_90	WCR3_89	15.000	252.970	0.016	1,490,266.590	560,247.629	Free Surface	6.012	0.350	0.264	0.438	0.607	1.868	5,652,464.771	No	0.438	6.012
	WCR3_15	WCR3_91	WCR3_90	15.000	235.590	0.006	1,490,266.590	560,247.629	Free Surface	4.373	0.445	0.408	0.556	0.607	1.183	3,654,629.780	No	0.556	4.373
	WCR3_16	WCR3_92	WCR3_91	15.000	257.920	0.007	1,490,266.590	560,247.629	Free Surface	4.378	0.444	0.407	0.555	0.607	1.185	3,660,060.214	No	0.555	4.378
	WCR3_17	WCR3_93	WCR3_92	15.000	197.900	0.007	1,490,266.590	560,247.629	Free Surface	4.404	0.442	0.404	0.553	0.607	1.195	3,689,681.258	No	0.553	4.404
	WCR3_18	WCR3_94	WCR3_93	15.000	235.700	0.021	1,490,266.590	560,247.629	Free Surface	6.722	0.323	0.226	0.404	0.607	2.187	6,598,520.663	No	0.404	6.722
	WCR3_19	WCR3_94A	WCR3_94	15.000	300.050	0.006	1,490,266.590	560,247.629	Free Surface	4.290	0.451	0.419	0.564	0.607	1.150	3,560,944.034	No	0.564	4.290
	WCR3_2	WCR3_81	WCR3_80	15.000	41.840	0.045	1,597,401.525	608,497.691	Free Surface	8.978	0.276	0.166	0.345	0.629	3.187	9,613,005.398	No	0.345	8.978
	WCR3_20	WCR3_95	WCR3_94A	15.000	130.720	0.007	1,361,576.854	503,144.451	Free Surface	4.450	0.410	0.352	0.512	0.579	1.264	3,866,044.802	No	0.512	4.450
	WCR3_21	WCR3_96	WCR3_95	15.000	399.710	0.007	1,361,576.854	503,144.451	Free Surface	4.273	0.423	0.372	0.528	0.579	1.192	3,657,549.957	No	0.528	4.273
	WCR3_22	WCR3_97	WCR3_96	15.000	343.810	0.007	1,361,576.854	503,144.451	Free Surface	4.275	0.422	0.372	0.528	0.579	1.193	3,660,503.753	No	0.528	4.275
	WCR3_23	WCR3_98	WCR3_97	15.000	374.890	0.011	1,361,576.854	503,144.451	Free Surface	5.146	0.368	0.289	0.460	0.579	1.556	4,719,404.348	No	0.460	5.146
	WCR3_24	WCR3_99	WCR3_98	15.000	241.920	0.006	1,081,832.029	382,643.856	Free Surface	4.012	0.373	0.296	0.466	0.513	1.204	3,653,339.553	No	0.466	4.012
	WCR3_25	WCR3_100	WCR3_99	15.000	236.560	0.023	1,081,832.029	382,643.856	Free Surface	6.310	0.269	0.158	0.336	0.513	2.272	6,858,104.151	No	0.336	6.310
	WCR3_26	WCR3_100A	WCR3_100	15.000	235.090	0.007	1,081,832.029	382,643.856	Free Surface	4.025	0.372	0.295	0.465	0.513	1.209	3,670,450.588	No	0.465	4.025
	WCR3_27	WCR3_100B	WCR3_100A	15.000	244.690	0.006	1,081,832.029	382,643.856	Free Surface	4.014	0.373	0.296	0.466	0.513	1.204	3,655,666.350	No	0.466	4.014
	WCR3_28	WCR3_101	WCR3_100B	15.000	243.950	0.007	1,081,832.029	382,643.856	Free Surface	4.018	0.372	0.295	0.466	0.513	1.206	3,661,206.717	No	0.466	4.018
	WCR3_29	WCR3_102	WCR3_101	15.000	138.520	0.007	1,081,832.029	382,643.856	Free Surface	4.093	0.367	0.288	0.459	0.513	1.238	3,755,620.152	No	0.459	4.093
	WCR3_3	WCR3_82	WCR3_81	15.000	68.170	0.006	1,597,401.525	608,497.691	Free Surface	4.443	0.463	0.438	0.579	0.629	1.172	3,643,391.080	No	0.579	4.443
	WCR3_30	WCR3_103	WCR3_102	15.000	184.390	0.012	1,081,832.029	382,643.856	Free Surface	5.039	0.316	0.216	0.395	0.513	1.661	5,009,549.547	No	0.395	5.039
	WCR3_31	WCR3_115	WCR3_103	15.000	335.280	0.007	1,081,832.029	382,643.856	Free Surface	4.015	0.373	0.296	0.466	0.513	1.205	3,656,794.225	No	0.466	4.015
	WCR3_32	WCR3_114	WCR3_115	15.000	141.390	0.011	1,081,832.029	382,643.856	Free Surface	4.916	0.321	0.224	0.402	0.513	1.604	4,839,268.180	No	0.402	4.916
	WCR3_33	WCR3_113A	WCR3_114	15.000	103.030	0.011	1,081,832.029	382,643.856	Free Surface	4.803	0.327	0.231	0.409	0.513	1.553	4,685,873.845	No	0.409	4.803
	WCR3_34	WCR3_113	WCR3_113A	15.000	287.860	0.004	1,081,832.029	382,643.856	Free Surface	3.361	0.426	0.377	0.532	0.513	0.933	2,866,383.922	No	0.532	3.361
	WCR3_35	WCR3_112	WCR3_113	15.000	300.000	0.004	1,081,832.029	382,643.856	Free Surface	3.362	0.426	0.377	0.532	0.513	0.934	2,868,177.966	No	0.532	3.362
	WCR3_36	WCR3_111	WCR3_112	15.000	166.950	0.014	1,081,832.029	382,643.856	Free Surface	5.328	0.303	0.200	0.379	0.513	1.796	5,414,662.181	No	0.379	5.328
	WCR3_37	WCR3_110	WCR3_111	15.000	400.000	0.004	942,588.487	324,770.278	Free Surface	3.240	0.395	0.329	0.493	0.478	0.941	2,868,177.966	No	0.493	3.240
	WCR3_38	WCR3_19	WCR3_110	15.000	400.000	0.004	942,588.487	324,770.278	Free Surface	3.240	0.395	0.329	0.493	0.478	0.941	2,868,177.966	No	0.493	3.240
	WCR3_39	WCR3_18	WCR3_19	15.000	400.000	0.004	942,588.487	324,770.278	Free Surface	3.240	0.395	0.329	0.493	0.478	0.941	2,868,177.966	No	0.493	3.240
	WCR3_4	WCR3_83	WCR3_82	15.000	417.560	0.006	1,597,401.525	608,497.691	Free Surface	4.452	0.463	0.437	0.578	0.629	1.175	3,653,434.289	No	0.578	4.452
	WCR3_40	WCR3_17	WCR3_18	15.000	400.000	0.005	942,588.487	324,770.278	Free Surface	3.514	0.371	0.294	0.464	0.478	1.057	3,206,720.452	No	0.464	3.514
	WCR3_41	WCR3_16	WCR3_17	15.000	361.260	0.005	942,588.487	324,770.278	Free Surface	3.517	0.371	0.294	0.464	0.478	1.058	3,210,003.073	No	0.464	3.517
	WCR3_42	WCR3_15	WCR3_16	15.000	314.500	0.005	787,385.645	262,144.701	Free Surface	3.350	0.337	0.245	0.421	0.435	1.064	3,214,358.542	No	0.421	3.350
	WCR3_43	WCR3_14	WCR3_15	15.000	314.500	0.014	787,385.645	262,144.701	Free Surface	4.850	0.258	0.146	0.323	0.435	1.784	5,388,368.141	No	0.323	4.850
	WCR3_44	WCR3_13	WCR3_14	15.000	275.980	0.005	787,385.645	262,144.701	Free Surface	3.344	0.338	0.246	0.422	0.435	1.062	3,206,836.644	No	0.422	3.344
	WCR3_45	WCR3_12	WCR3_13	15.000	160.140	0.005	787,385.645	262,144.701	Free Surface	3.343	0.338	0.246	0.422	0.435	1.061	3,205,318.432	No	0.422	3.343
	WCR3_46	WCR3_11A	WCR3_12	15.000	432.890	0.004	787,385.645	262,144.701	Free Surface	3.097	0.357	0.273	0.446	0.435	0.952	2,883,409.647	No	0.446	3.097
	WCR3_47	WCR3_11	WCR3_11A	15.000	92.930	0.005	787,385.645	262,144.701	Free Surface	3.458	0.329	0.234	0.412	0.435	1.113	3,359,566.322	No	0.412	3.458
	WCR3_48	WCR3_H134	WCR3_11	15.000	91.980	0.006	787,385.645	262,144.701	Free Surface	3.543	0.324	0.227	0.405	0.435	1.152	3,474,771.708	No	0.405	3.543
	WCR3_49	WCR3_H135	WCR3_H134	12.000	399.920	0.012	337,909.622	95,895.324	Free Surface	3.717	0.235	0.121	0.235	0.300	1.608	2,791,092.806	No	0.235	3.717
	WCR3_5																		

FULL BUILDOUT WITH SEPTIC PIPE TABLE

	ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (gpd)	Peakable Flow (gpd)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth (ft)	Critical Depth	Froude Number	Full Flow (gpd)	Backwater Adjustment	Adjusted Depth	Adjusted Velocity
	WCR3_53	WCR3_H139	WCR3_H138	12.000	246.720	0.006	337,909.622	95,895.324	Free Surface	2.880	0.282	0.173	0.282	0.300	1.130	1,950,247.003	No	0.282	2.880
	WCR3_54	WCR3_H140	WCR3_H139	12.000	227.850	0.011	337,909.622	95,895.324	Free Surface	3.544	0.243	0.129	0.243	0.300	1.506	2,609,441.060	No	0.243	3.544
	WCR3_55	WCR3_H141	WCR3_H140	12.000	53.120	0.004	337,909.622	95,895.324	Free Surface	2.510	0.311	0.210	0.311	0.300	0.932	1,609,638.959	No	0.311	2.510
	WCR3_56	WCR3_H146	WCR3_H141	10.000	257.260	0.016	155,995.637	39,958.545	Free Surface	3.331	0.191	0.079	0.159	0.212	1.764	1,965,314.469	No	0.159	3.331
	WCR3_57	WCR3_H164	WCR3_H146	10.000	335.000	0.004	155,995.637	39,958.545	Free Surface	2.055	0.268	0.157	0.223	0.212	0.908	994,340.556	No	0.223	2.055
	WCR3_58	WCR3_H165	WCR3_H164	10.000	120.000	0.004	155,995.637	39,958.545	Free Surface	2.053	0.268	0.157	0.223	0.212	0.907	992,859.780	No	0.223	2.053
	WCR3_59	WCR3_H171	WCR3_H165	10.000	285.000	0.004	155,995.637	39,958.545	Free Surface	1.931	0.280	0.171	0.233	0.212	0.832	911,110.620	No	0.233	1.931
	WCR3_6	WCR3_85	WCR3_84	15.000	467.190	0.008	1,597,401.525	608,497.691	Free Surface	4.839	0.434	0.391	0.542	0.629	1.328	4,089,979.476	No	0.542	4.839
	WCR3_60	WCR3_184	WCR3_H171	10.000	159.830	0.008	155,995.637	39,958.545	Free Surface	2.604	0.226	0.112	0.189	0.212	1.259	1,387,190.371	No	0.189	2.604
	WCR3_61	WCR3_H185	WCR3_184	10.000	293.160	0.010	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,503,211.876	No	0.000	0.000
	WCR3_62	WCR3_H186	WCR3_H185	10.000	293.160	0.021	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	2,254,817.814	No	0.000	0.000
	WCR3_63	WCR3_H187	WCR3_H186	10.000	51.940	0.021	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	2,238,406.245	No	0.000	0.000
	WCR3_64	WCR3_H188	WCR3_H187	8.000	231.710	0.006	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	682,553.736	No	0.000	0.000
	WCR3_65	WCR3_H189	WCR3_H188	8.000	363.310	0.007	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	717,648.209	No	0.000	0.000
	WCR3_66	WCR3_H190	WCR3_H189	8.000	195.020	0.007	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	718,766.867	No	0.000	0.000
	WCR3_67	WCR3_H191	WCR3_H190	8.000	278.060	0.006	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	678,741.415	No	0.000	0.000
	WCR3_68	WCR3_H192	WCR3_H191	8.000	256.990	0.011	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	879,144.400	No	0.000	0.000
	WCR3_69	WCR3_H192A	WCR3_H192	8.000	280.180	0.013	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	950,859.552	No	0.000	0.000
	WCR3_7	WCR3_86	WCR3_85	15.000	387.790	0.007	1,597,401.525	608,497.691	Free Surface	4.473	0.461	0.434	0.576	0.629	1.184	3,677,459.401	No	0.576	4.473
	WCR3_70	WCR3_H193	WCR3_H192A	8.000	121.000	0.025	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,335,769.582	No	0.000	0.000
	WCR3_71	WCR3_H194	WCR3_H193	8.000	327.200	0.012	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	917,817.527	No	0.000	0.000
	WCR3_72	WCR3_H133	WCR3_H134	10.000	175.710	0.016	536,938.266	166,249.377	Free Surface	4.739	0.358	0.274	0.298	0.403	1.783	1,958,924.643	No	0.298	4.739
	WCR3_73	WCR3_H132	WCR3_H133	10.000	145.240	0.006	536,938.266	166,249.377	Free Surface	3.189	0.482	0.470	0.402	0.403	1.005	1,141,551.246	No	0.402	3.189
	WCR3_74	WCR3_H131	WCR3_H132	10.000	65.280	0.009	536,938.266	166,249.377	Free Surface	3.853	0.417	0.364	0.348	0.403	1.326	1,474,616.508	No	0.348	3.853
	WCR3_75	WCR3_H130	WCR3_H131	8.000	235.650	0.014	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,003,891.681	Yes	0.074	0.000
	WCR3_76	WCR3_H129	WCR3_H130	8.000	300.000	0.005	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	599,858.213	No	0.000	0.000
	WCR3_77	WCR3_H128	WCR3_H129	8.000	348.630	0.005	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	592,387.233	No	0.000	0.000
	WCR3_78	WCR3_H127	WCR3_H128	8.000	232.240	0.009	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	787,245.331	No	0.000	0.000
	WCR3_79	WCR3_H126	WCR3_H127	8.000	111.860	0.004	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	555,708.217	No	0.000	0.000
	WCR3_8	WCR3_86C	WCR3_86	15.000	192.490	0.010	1,597,401.525	608,497.691	Free Surface	5.216	0.410	0.353	0.513	0.629	1.481	4,529,211.774	No	0.513	5.216
	WCR3_80	WCR3_H125	WCR3_H126	8.000	163.480	0.005	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	600,811.475	No	0.000	0.000
	WCR3_9	WCR3_86B	WCR3_86C	15.000	303.380	0.009	1,597,401.525	608,497.691	Free Surface	5.022	0.422	0.371	0.527	0.629	1.402	4,301,936.044	No	0.527	5.022
	WCR5_10-WCR5_11	WCR5_10	WCR5_11	12.000	165.680	0.018	1,302,017.644	477,057.420	Free Surface	6.214	0.431	0.386	0.431	0.606	1.914	3,371,276.495	No	0.431	6.214
	WCR5_11-WCR5_12	WCR5_11	WCR5_12	12.000	374.150	0.018	1,309,473.325	480,307.499	Free Surface	6.221	0.433	0.389	0.433	0.608	1.912	3,369,443.514	No	0.433	6.221
	WCR5_12-WCR5_13	WCR5_12	WCR5_13	12.000	277.850	0.014	1,309,473.325	480,307.499	Free Surface	5.657	0.465	0.442	0.465	0.608	1.664	2,963,283.964	No	0.465	5.657
	WCR5_13-WCR5_14	WCR5_13	WCR5_14	12.000	196.370	0.010	1,309,473.325	480,307.499	Free Surface	4.922	0.519	0.532	0.519	0.608	1.352	2,460,284.883	No	0.519	4.922
	WCR5_14-WCR5_15	WCR5_14	WCR5_15	12.000	168.090	0.011	1,309,473.325	480,307.499	Free Surface	5.218	0.496	0.492	0.496	0.608	1.476	2,659,206.292	No	0.496	5.218
	WCR5_15-WCR5_16	WCR5_15	WCR5_16	12.000	371.750	0.016	1,309,473.325	480,307.499	Free Surface	5.921	0.449	0.416	0.449	0.608	1.779	3,150,987.534	No	0.449	5.921
	WCR5_16-WCR5_17	WCR5_16	WCR5_17	12.000	306.640	0.013	1,477,150.768	554,375.311	Free Surface	5.621	0.514	0.524	0.514	0.647	1.553	2,820,746.567	No	0.514	5.621
	WCR5_17-WCR5_18	WCR5_17	WCR5_18	12.000	346.280	0.011	1,477,150.768	554,375.311	Free Surface	5.369	0.533	0.556	0.533	0.647	1.449	2,654,390.210	No	0.533	5.369
	WCR5_18-WCR5_19	WCR5_18	WCR5_19	12.000	195.440	0.020	1,477,150.768	554,375.311	Free Surface	6.649	0.451	0.418	0.451	0.647	1.994	3,533,228.658	No	0.451	6.649
	WCR5_19-WCR5_20	WCR5_19	WCR5_20	12.000	730.040	0.014	1,477,150.768	554,375.311	Free Surface	5.758	0.504	0.507	0.504	0.647	1.611	2,912,664.328	Yes	0.508	5.704
	WCR5_1-WCR5_2	WCR5_1	WCR5_2	10.000	1,986.790	0.004	684,293.211	221,854.956	Free Surface	2.997	0.617	0.701	0.514	0.458	0.800	976,028.614	No	0.514	2.997
	WCR5_20-WCR5_21	WCR5_20	WCR5_21	12.000	399.480	0.007	1,477,150.768	554,375.311	Free Surface	4.539	0.612	0.692	0.612	0.647	1.113	2,134,740.756	No	0.612	4.539
	WCR5_21-WCR5_22	WCR5_21	WCR5_22	12.000	1,025.410	0.015	1,513,446.022	570,625.705	Free Surface	6.091	0.492	0.486	0.492	0.655	1.731	3,113,575.077	Yes	0.599	4.771
	WCR5_22-WCR5_23	WCR5_22	WCR5_23	15.000	441.760	0.002	1,529,772.883	577,950.982	Free Surface	2.830	0.645	0.747	0.806	0.615	0.597	2,046,935.507	No	0.806	2.830
	WCR5_23-WCR5_24	WCR5_23	WCR5_24	15.000	660.870	0.009	1,529,772.883	577,950.982	Free Surface	4.950	0.413	0.357	0.516	0.615	1.400	4,284,933.502	No	0.516	4.950
	WCR5_24-WCR5_25	WCR5_24	WCR5_25	15.000	866.430	0.006	1,584,055.644	602,446.813	Free Surface	4.253	0.476	0.460	0.595	0.627	1.103	3,445,040.731	No	0.595	4.253
	WCR5_25-WCR5_26	WCR5_25	WCR5_26	15.000	411.850	0.005	1,584,055.644	602,446.813	Free Surface	4.009	0.499	0.498	0.623	0.627	1.010	3,183,864.549	No	0.623	4.009
	WCR5_26-WCR5_27	WCR5_26	WCR5_27	15.000	353.460	0.005	1,584,055.644	602,446.813	Free Surface	4.007	0.499	0.498	0.623	0.627	1.010	3,181,856.484	No	0.623	4.007
	WCR5_27-WCR5_28	WCR5_27	WCR5_28	15.000	231.180	0.005	1,584,055.644	602,446.813	Free Surface	3.997	0.500	0.500	0.625	0.627	1.006	3,170,590.774	No	0.625	3.997
	WCR5_28-WCR5_29	WCR5_28	HWY52_5	15.000	1,193.690	0.015	1,584,055.644	602,446.813	Free Surface	5.976	0.368	0.289	0.460	0.627	1.806	5,476,835.631	Yes	0.539	4.843
	WCR5_2-WCR5_3	WCR5_2	WCR5_3	10.000	539.910	0.011	684,293.211	221,854.956	Free Surface	4.378	0.456	0.426	0.380	0.458	1.429	1,607,899.348	No	0.380	4.378
	WCR5_3-WCR5_4	WCR5_3	WCR5_4	10.000	1,192.000	0.015	684,293.211	221,854.956	Free Surface	4.918	0.417	0.363	0.347	0.458	1.693	1,883,292.112	Yes	0.498	3.115
	WCR5_4-WCR5_5	WCR5_4	WCR5_5	12.000	580.040	0.003	1,302,017.644	477,057.420	Free Surface	3.196	0.748	0.910	0.748	0.606	0.661	1,431,508.715	No	0.748	3.196
	WCR5_5-WCR5_6	WCR5_5	WCR5_6	12.000	871.120	0.003	1,302,017.644	477,057.420	Free Surface	2.979	0.803	0.982	0.803	0.606	0.569	1,326,447.964	No	0.803	2.979
	WCR5_6-WCR5_7																		

	ID	From ID	To ID	Diameter (in)	Length (ft)	Slope	Total Flow (gpd)	Peakable Flow (gpd)	Flow Type	Velocity (ft/s)	d/D	q/Q	Water Depth (ft)	Critical Depth	Froude Number	Full Flow (gpd)	Backwater Adjustment	Adjusted Depth	Adjusted Velocity
	WCR5_9-WCR5_10	WCR5_9	WCR5_10	12.000	822.970	0.022	1,302,017.644	477,057.420	Free Surface	6.638	0.410	0.353	0.410	0.606	2.106	3,688,762.390	No	0.410	6.638
	WCR7_10-WCR7_11	WCR7_10	WCR7_11	8.000	541.220	0.007	361,078.922	103,770.681	Free Surface	3.194	0.501	0.501	0.334	0.351	1.099	720,126.831	No	0.334	3.194
	WCR7_11-WCR7_12	WCR7_11	WCR7_12	8.000	386.680	0.005	361,078.922	103,770.681	Free Surface	2.763	0.562	0.607	0.375	0.351	0.881	594,654.285	No	0.375	2.763
	WCR7_12-WCR7_13	WCR7_12	WCR7_13	10.000	582.070	0.010	763,360.156	252,675.265	Free Surface	4.377	0.496	0.493	0.413	0.485	1.356	1,548,573.905	No	0.413	4.377
	WCR7_13-WCR7_14	WCR7_13	WCR7_14	10.000	686.300	0.009	763,360.156	252,675.265	Free Surface	4.114	0.521	0.535	0.434	0.485	1.235	1,426,141.262	No	0.434	4.114
	WCR7_14-WCR7_15	WCR7_14	WCR7_15	10.000	269.660	0.007	763,360.156	252,675.265	Free Surface	3.815	0.553	0.591	0.461	0.485	1.100	1,291,106.520	No	0.461	3.815
	WCR7_15-WCR7_16	WCR7_15	WCR7_16	10.000	495.150	0.008	763,360.156	252,675.265	Free Surface	4.019	0.531	0.552	0.442	0.485	1.191	1,382,468.177	No	0.442	4.019
	WCR7_16-WCR7_17	WCR7_16	WCR7_17	10.000	307.790	0.006	763,360.156	252,675.265	Free Surface	3.596	0.581	0.638	0.484	0.485	1.003	1,195,701.456	Yes	0.492	3.520
	WCR7_17-WCR7_18	WCR7_17	WCR7_18	10.000	565.400	0.003	763,360.156	252,675.265	Free Surface	2.804	0.721	0.870	0.601	0.485	0.658	877,454.384	No	0.601	2.804
	WCR7_18-I25_36	WCR7_18	I25_36	10.000	1,385.670	0.011	1,277,638.857	466,430.224	Free Surface	4.988	0.682	0.809	0.568	0.631	1.230	1,579,387.657	Yes	0.833	3.624
	WCR7_1-WCR7_2	WCR7_1	WCR7_2	8.000	799.050	0.022	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,269,705.921	No	0.000	0.000
	WCR7_2-WCR7_3	WCR7_2	WCR7_3	8.000	815.360	0.020	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,184,642.934	No	0.000	0.000
	WCR7_3-WCR7_4	WCR7_3	WCR7_4	8.000	766.230	0.016	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,057,200.871	No	0.000	0.000
	WCR7_4-WCR7_5	WCR7_4	WCR7_5	8.000	477.510	0.012	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	942,971.089	No	0.000	0.000
	WCR7_5-WCR7_6	WCR7_5	WCR7_6	8.000	442.930	0.018	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,132,947.029	No	0.000	0.000
	WCR7_6-WCR7_7	WCR7_6	WCR7_7	8.000	234.100	0.017	0.000	0.000	Free Surface	0.000	0.000	0.000	0.000	0.000	0.000	1,094,952.309	Yes	0.081	0.000
	WCR7_7-WCR7_8	WCR7_7	WCR7_8	8.000	1,045.230	0.017	361,078.922	103,770.681	Free Surface	4.397	0.392	0.325	0.262	0.351	1.754	1,110,156.458	No	0.262	4.397
	WCR7_8-WCR7_9	WCR7_8	WCR7_9	8.000	308.600	0.013	361,078.922	103,770.681	Free Surface	3.938	0.426	0.378	0.284	0.351	1.496	954,891.495	No	0.284	3.938
	WCR7_9-WCR7_10	WCR7_9	WCR7_10	8.000	479.290	0.012	361,078.922	103,770.681	Free Surface	3.896	0.430	0.384	0.286	0.351	1.473	941,218.444	No	0.286	3.896