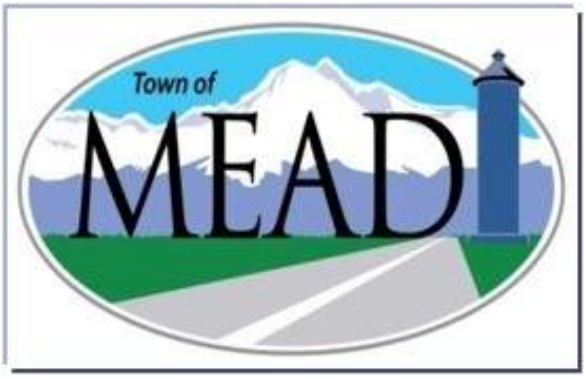
CONSULTING ENGINEERS

WASTEWATER MASTER PLAN

FOR THE

TOWN OF MEAD



APRIL 24, 2017

WASTEWATER MASTER PLAN

FOR THE

TOWN OF MEAD

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JVA Project No. 1970.63c

MAY 5, 2017

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ACRONYMS

BOD5: Biochemical Oxygen Demand (5 day)
CCTV: Closed Captioned Television
CDPHE: Colorado Department of Public Health and Environment
CIP: Capital Improvements Plan
GIS: Geographic Information Systems
gpcd: Gallons per Capita per Day
gpd: Gallons per Day
gpm: Gallons per Minute
I/I: Inflow and Infiltration
I-25: Interstate 25
IGA: Intergovernmental Agreement
LF: Linear Feet
LS: Lump Sum
LTWWTF: Lake Thomas Wastewater Treatment Facility
MGD: Million gallons per day
MWWTF: Mead Wastewater Treatment Facility
NCLS: North Creek Lift Station
NFRWQPA: North Front Range Water Quality Planning Association
NOV: Notice of Violation
O&M: Operation and Maintenance
OPC: Opinion of Probable Cost
PER: Preliminary Engineering Report
PIF: Plant Investment Funds
POTW: Publicly Owned Treatment Works
PVC: Polyvinyl Chloride
SVSD: Saint Vrain Sanitation District
SWMM: Stormwater Management Model
TDH: Total Dynamic Head
TIN: Total Inorganic Nitrogen
TP: Total Phosphorus
TSS: Total Suspended Solids
UGA: Urban Growth Area
VCP: Vitrified Clay Pipe
WCR: Weld County Road
WMP: Wastewater Master Plan
WQCC: Water Quality Control Commission
WUP: Wastewater Utility Plan
WWTF: Wastewater Treatment Facility

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EXECUTIVE SUMMARY

The purpose of the Town of Mead (Town) Wastewater Master Plan (WMP) is to develop a comprehensive planning document, sanitary sewer collection system model, and mapping system that provides the Town with necessary guidance to operate and maintain the collection system and treatment facilities. This WMP is an infrastructure focused plan that includes projections of wastewater flows and loadings, population projections, and a condition assessment and evaluation of the collection system's ability to reliably convey existing and future flows. The WMP also includes a hydraulic and loading capacity evaluation for the Mead Wastewater Treatment Facility (MWWTF), an alternatives selection for the Lake Thomas Wastewater Treatment Facility (LTWWTF), capital improvements plan (CIP), and analysis of the existing 208 Boundary and recommended adjusted 208 Boundary to better coincide with the Town's future needs.

The collection system model and mapping system provide a unique method for planning and asset management that not only includes analytical data, but also deliver a visual representation of the system and its components. Figure 1 shows the collections system with the Town boundary and aerial background. The mapping system can display any of the data stored in the database including 208 Boundaries, pipe defect locations, age, type, capacity, and size of the pipe, location of manholes, contours, zoning and planned buildout area, and much more. Once the data is added to the mapping system database it can be used as a decision making tool to visually display data and convey details to a wide audience. The sanitary model provides capacity and flow data for the system that can be updated easily to project future flows and analyze the life of the system. The dynamic nature of both the model and mapping system ensures the Town's asset management plan can grow and change with the Town.

The WMP, associated model, and mapping system should be viewed as a changeable working document, reviewed annually, and updated as conditions in the Town change and future developments are identified. The capital improvement plan will assist the Town in prioritizing projects and developing annual budgets. The proposed 208 Boundary will decrease the user area, but will allow for the sanitary sewer system to be operated and maintained as a gravity sewer system without the addition of major lift stations. Recommendations in this plan should be considered as conceptual only and as more details are available the model and mapping system can be updated to develop more accurate and refined collection system improvements and recommendations. Additional details and potential alternatives should be investigated and analyzed as the projects are commenced.

The WMP Highlight Recommendations include:

- Finalizing the proposed 208 Boundary and initiate discussions with the North Front Range Water Quality Planning Association and affected districts.
- Complete the Lake Thomas Wastewater Facility decommission alternative analysis including developing pros and cons for each alternative, a cost analysis, and recommendation.
- Buy or rent flow monitoring equipment for the sanitary sewer system in order to calibrate the sewer model and better understand the flows throughout the system. This will allow for future flow capacity analysis to be more accurate.

- Maintain an annual program for the GIS mapping system and SWMM model including updates and training.
- Continue updating and implementing priority based wastewater capital improvements in accordance with the five and ten year CIP.

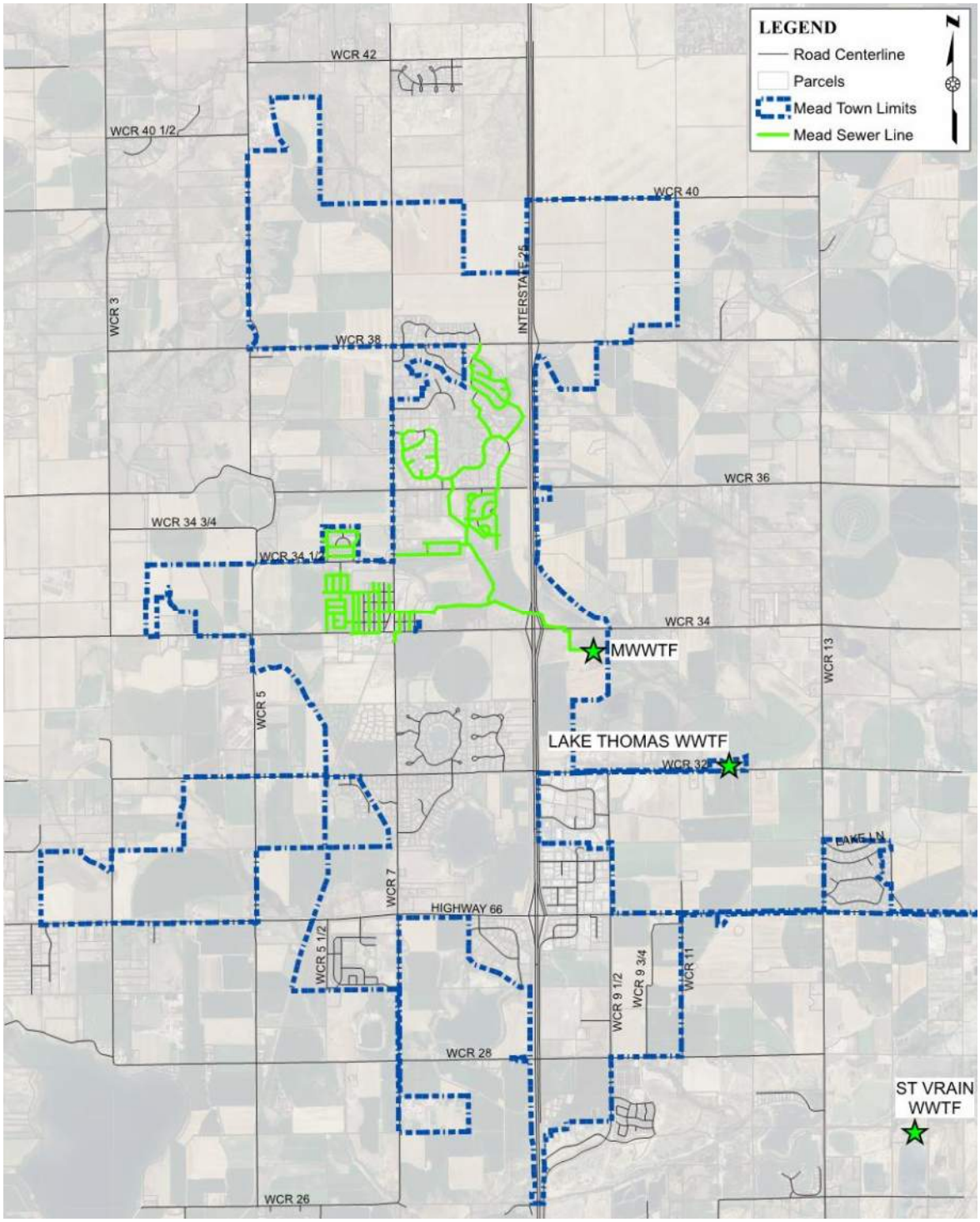


Figure 1. Existing Collection System

SECTION 1 – INTRODUCTION

BACKGROUND

The Town of Mead is located in Weld County approximately 35 miles north of Denver along Interstate 25 (I-25). The Town is a small, but growing community, with a current population of approximately 4,400 people. The Town has both a planning and zoning plan and an Urban Growth Area (UGA) plan that project the future build out to the Town Limits. The planned development is projected to increase the Town population to approximately of 16,590 people at full buildout. Population projections for the Town are included in Section 2 of this report.

The Town currently owns and operates two wastewater treatment facilities (WWTF). The primary facility is the Town of Mead WWTF (MWWTF) located east of I-25 on WCR 34, which is a mechanical WWTF that serves a majority of the Town while other adjoining areas are served by the St. Vrain Sanitation District (SVSD) and several developments are served by on-site septic systems. The MWWTF went into service in 2008 to replace an aging aerated lagoon system. A Preliminary Engineering Report (PER) and Wastewater Utility Plan (WUP) were developed in 2006 for funding, the design and construction of the MWWTF and main interceptor to convey wastewater across I-25 to the new plant site. The 2006 WUP and PER have served as the Town's planning document for meeting future wastewater needs.

The Town's other treatment facility is the Lake Thomas WWTF (LTWWTF) which consists of an evaporative lagoon system servicing twenty-nine (29) condominium units located east of I-25 along WCR 32. The LTWWTF is under review by Colorado Department of Public Health and Environment (CDPHE) for meeting current treatment standards and effluent requirements. Currently the LTWWTF is not in compliance with CDPHE criteria for evaporative lagoon systems. The Town has evaluated alternatives to determine the most feasible and cost effective means to meet the needs of the LTWWTF. Currently the Town is in the process of evaluating alternatives to either upgrade the LTWWTF to meet CDPHE design requirements or abandon the existing treatment system and connect to the MWWTF or regionalize with the SVSD. The alternatives are described in Section 2 of the report and a recommendation is provided.

The MWWTF was designed to meet the Town's projected 2026 population connected to the collection system equivalent to 4,500 persons and permitted capacity of 0.50 million gallons per day (MGD) and 1,286 lbs BOD5/day with the ability to accommodate peak hourly flows up to 2.0 MGD. Currently, there are approximately 2,900 persons or 1,020 homes connected to Town's collection system. In accordance with the CDPHE, a publicly operated treatment facility must commence planning for treatment expansion when the hydraulic or organic loading reaches 80 percent of its design capacity, and must commence with construction activities by the time the facility reaches 95 percent of its design capacity. Currently, the MWWTF is at 33% and 32% of its design capacity for hydraulic and organic loading, respectively and has significant capacity to serve future growth.

PROJECT PURPOSE AND GOALS

The Town's 2006 WUP provided a foundation for the capacity and analysis of future demands for the MWWTF with a 25-year outlook. The Town has expressed a need to update the wastewater system based on most current conditions and future projects and needs by developing a system wide WMP. There has been a recent surge in development interest and growth and, in the spirit of being proactive, the Town requested an overall WMP to evaluate the condition and capacity of the existing collection system to handle additional flows projected from future development within the Town's 208 boundary. In addition, the report provides an analysis of when the trigger points for the MWWTF plant improvements and expansions will occur based on growth, projected loadings and regulatory outlook. The WMP's scope of work was developed from input by the Town of Mead staff for updating population and wastewater demand projections, collection system and WWTF capacity and condition evaluation, hydraulic modeling, and CIP with opinion of probable costs.

The primary goals and objectives for the WMP include the following:

- Create a document that can be utilized by the Town for an efficient means of maintaining an up to date database of information regarding sanitary sewer mapping, historical replacement / repair records, pipe materials / sizes, TV inspection logs, and other pertinent information.

- Create a GIS database of the Town's sanitary sewer system that can be built upon as the Town grows.

- Develop a sanitary sewer model that can be used to evaluate loading impacts from existing and future developments.

- Update projection of hydraulic and organic loadings based on most current information available. The projection term will be 20 years.

- Evaluate potential areas within the Town's 208 planning area that make sense to include within the Town's 208 Boundary or be removed and served by adjacent districts and municipalities.

- Evaluate the MWWTF and LTWWTF to determine projected needs for expansion and improvements.

- Develop and update the wastewater 1-year, 5-year, and 10-year Capital Improvement Plan (CIP).

A brief summary of each scope task is summarized below with a detailed description provided in later sections of this Plan.

- ***Population and Wastewater Treatment Demand Projections*** – Population and future wastewater demands were projected for the service area based on the Town of Mead's 10-Year Growth Projection Plan, Zoning Map, Urban Renewal Plan, and Comprehensive Land Use Plan.

- ***Evaluation of Wastewater Collection System*** – The Town of Mead's collection system was modeled and analyzed for capacity limitations and other performance limiting factors using US EPA's Stormwater Management Model (SWMM) software. With assistance from Town staff and CCTV video, a prioritized list of sewer lines that require rehabilitation or repair was identified.

- ***Evaluation of the Collection System and MWWTF in Response to Projected Flows*** – The future flows entering the system were analyzed with the SWMM software to determine capacity limitations to the system as the Town grows and reaches its buildout potential. The MWWTF capacity and loading were also analyzed to determine when the plant would reach 80 percent capacity and need to be expanded.

- ***Evaluation of the Town's 208 Boundary*** – The Town's existing 208 Boundary, provided by the North Front Range Water Quality Planning Association (NFRWQPA), was evaluated to determine possible adjustments to the Boundary by optimizing gravity collection to the existing MWWTF. Adjacent service areas that made sense to be served by the SVSD or the Town of Berthoud were identified.

- ***MWWTF Expansion and Improvements*** – Timelines were identified for the MWWTF expansion and improvements based on the CDPHE requirement of 80% loading threshold.

- ***CIP*** – Capital improvement projects were identified in the planning efforts. Projects were prioritized by the immediacy necessary to meet current or future demands.

- ***Lake Thomas Wastewater Treatment Facility*** – An alternatives analysis was completed on the LTWWTF decommissioning. The alternatives were evaluated based on pros, cons, and opinion of probable cost.

SECTION 2 – PLANNING CONDITIONS

PLANNING AND SERVICE AREA

The Town of Mead is located in Weld County, Colorado just north and east of Longmont and approximately 35 miles north of Denver, Colorado. The Town was founded in 1906 as a rural farm-to-market center and railroad stop along the Great Western Railroad for the sugar beet industry, and up to the 1980's had gradually grown to a population of about 350 people. The Town limits encompass approximately 7,860 acres or 12.3 square miles. The Town's existing 208 Boundary has an area of approximately 12,570 acres or 19.6 square miles and includes areas that are outside of the Town limits. The SVSD's 208 Boundary borders the Town's to the east and south and also includes areas east of I-25. The Towns of Berthoud and Johnstown 208 Boundaries border the Town to the north. County land surround the rest of the Town.

The Mead 208 Boundary includes wastewater service areas that must be served via lift station and force main to pump sewage to gravity collection. The topography within the Town's Boundary generally slopes to the southeast and east. However, there are areas where the land is sloped to the north or south. Due to the location of the MWWTF it would be impossible to collect flow in the entire 208 Boundary and Town limits using only gravity collection. Preliminary analysis indicates that most of the area east of the MWWTF, as well as areas to the southwest and north, cannot access the plant via gravity.

208 PLAN COORDINATION

Mead's 208 management agency is the North Front Range Water Quality Planning Association (NFRWQPA). The 2016 service area for the Town was provided by NFRWQPA. If Mead wants to remove any area from its 208 Boundary, the Town will need to update its WUP and gain approval from NFRWQPA. The WUP must show that the current WWTF will not be able to serve the population removed. Mead has an intergovernmental agreement (IGA) with the SVSD to provide wastewater treatment to a business park near the intersection of I-25 and HWY 66. Depending on the finalized adjusted 208 Boundary, the IGA with the SVSD may need to be amended to include a larger area and a new IGA would need to be formed with the Town of Berthoud.

LAND USE AND ZONING

CURRENT LAND USE AND ZONING

The Town currently categorizes land use based on nine (9) zoning districts: agricultural (AG), residential single family-estate (RSF-E), residential single family-1 (RSF-1), residential single family-4 (RSF-4), residential single family-8 (RSF-8), downtown mixed use (DMU), general commercial (GC), highway commercial (HC), and light industrial (LI). The Town is updating its Comprehensive Plan in 2017 and these categories may change. The number designators for the residential single family categories coincide with the number of dwellings per acre, residential

single family-8 will have eight dwellings per acre. The existing service area includes the area just west of I-25 between WCR 38 and WCR 34 and includes downtown mixed use, residential single family-estate, residential single family-1, and residential single family-4.

PROJECTED LAND USE AND ZONING

The Town of Mead's Official Zoning map and potential 10-year growth areas establishes land use categories for undeveloped land within the UGA. The zoning districts' categories identify the preferred use and densities of areas not currently annexed or platted. The Town's zoning designations were used to project population for areas not currently annexed or platted. The Town current Zoning Map and 10-Year Growth Map are provided in Appendix A. The Town's zoning map was reduced to only include all the zoned land within the Town's City Limits and within the Town's existing 208 Boundary. Therefore, some zoned areas, especially to the south of the Town's boundary, were removed from the map, see Figure 2. Included also in Figure 2 is the Town's projected 10-year growth areas which the Town has identified as the properties with the most potential to be developed in the next 10 years. These areas will be the focus of the collection system analysis for future growth in Section 3.

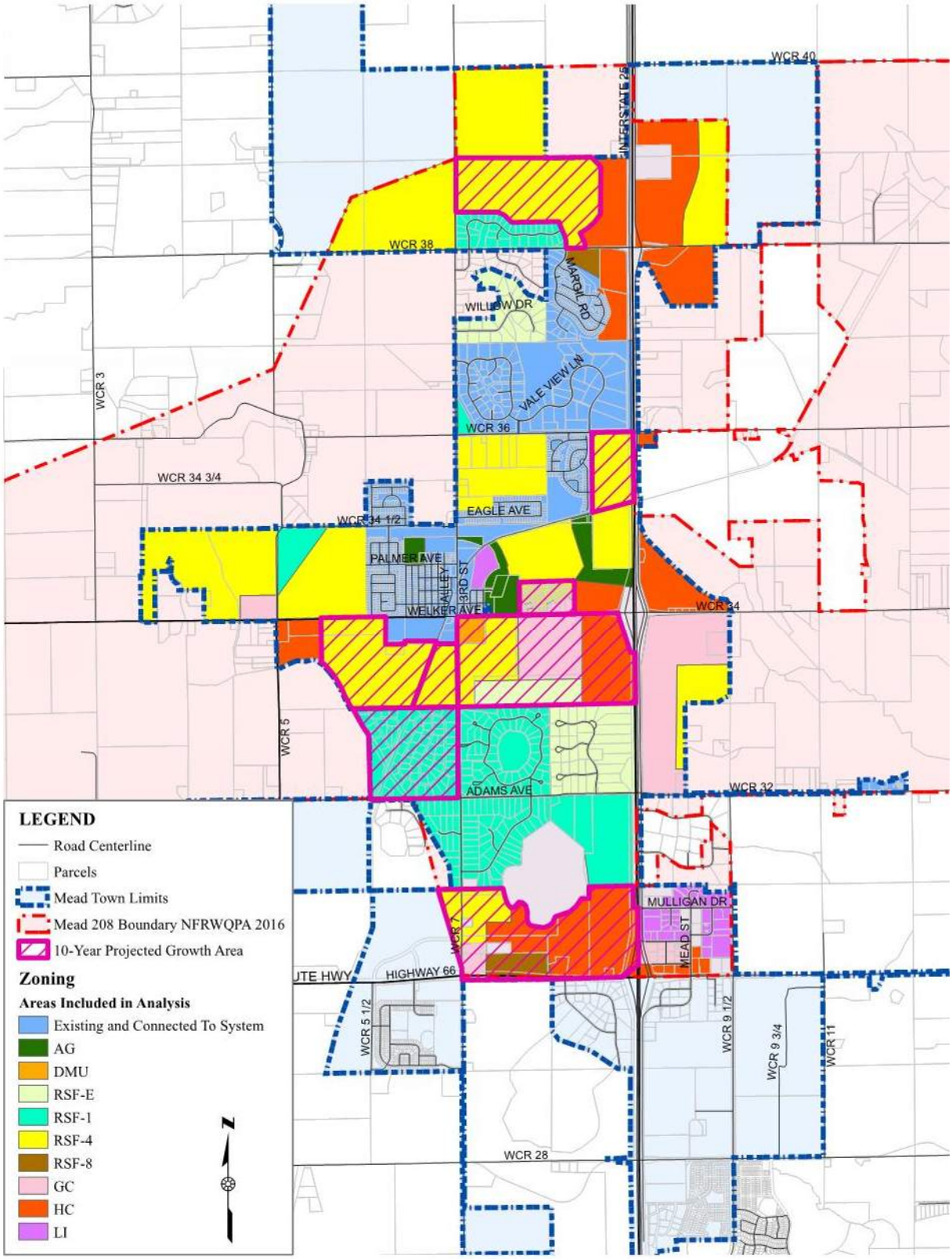


Figure 2. Town of Mead Zoning Map, Only Including Zoned Areas within the Town Limits and the 208 Boundary.

HISTORICAL POPULATION TRENDS

Historical population estimates for the Town were obtained from the United States Census 10-year reports and the 2016 Town population was provided by the Town. The Town also provided the 2015 residential and commercial taps data. Using linear regression of the known populations, the 2015 town population was estimated to be 4,207 people. There are several areas within the Town limits and 208 Boundary served by septic systems which account for a residential equivalence of 466 households or population of 1,319 using a per capita per resident population of 2.83. This equates to a residential equivalence of 1,020 households or a residential population of 2,888 people. Shown in Table 1 is a summary of the census and population data provided by the Town for the basis of historical and current Town population.

Table 1. Existing Town Population, Flow and Loading Calculations

	Value	Unit
Population w/in Town Limits	4,207	People
Dwellings w/in Town Limits	1,486	Dwellings
Residential Household Density	2.83	Person/Dwelling
Dwellings Connected to Collection System	2,888	People
Population Connected to Collection System	1,020	Dwellings
Dwellings Connected to Collection System	2,888	People
MWWTF SCADA Peak 30 Monthly Daily Flow for 2015 (June)	165,000	gal/day
MWWTF Existing Commercial and Light Industrial Flow	11,000	gal/day
MWWTF Residential Flow	154,000	gal/day
MWWTF Flow per Capita	53.3	gpcd
Industry Standard Flow per Capita (CDPHE)	75.0	gpcd
MWWTF SCADA Peak 30 Monthly Daily Loading for 2015 (June)	412	lbs BOD5/day
MWWTF Loading per Capita Residential	0.143	lbs BOD5/ person/day
Industry Standard Loading per Capita*	0.188	lbs BOD5/ person/day
MWWTF Loading Concentration	320.8	mg BOD5/L
Industry Standard Loading Concentration*	300	mg BOD5/L

*Wastewater Engineering Treatment Resource and recovery Metcalf and Eddy using 75 gpcd.

HISTORICAL WASTEWATER FLOWS AND ORGANIC LOADING TRENDS

Shown in Figure 3 is the MWWTF influent flows and BOD5 loadings from 2012 through 2016. The flow and loading data was collected from the MWWTF SCADA system and sampling data. For the period, the linear regression trend shows a slight increase (approximately 1.5% per year) for influent flows to the MWWTF. From examination of the flow data, there were some outliers that were removed from the data set which resulted in a maximum month flow over the last 5 years of 0.165 MGD. CDPHE permits WWTF capacity based on influent maximum month flow and BOD5 loading. The MWWTF is rated for a maximum month flow of 0.5 MGD and is currently loaded at 33% of rated capacity.

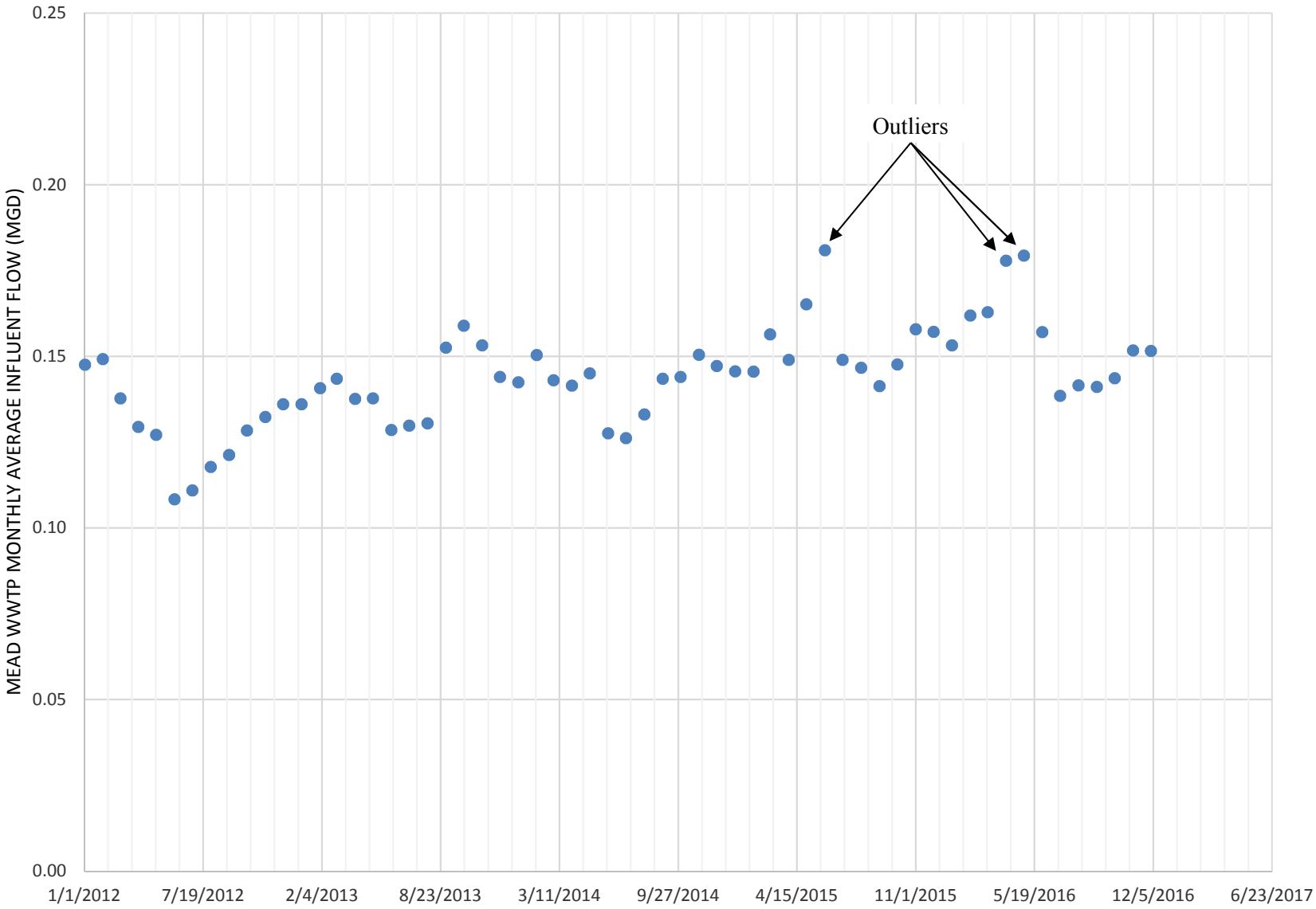


Figure 3. MWWTF Monthly Average Influent Flow Between 2012 and 2016

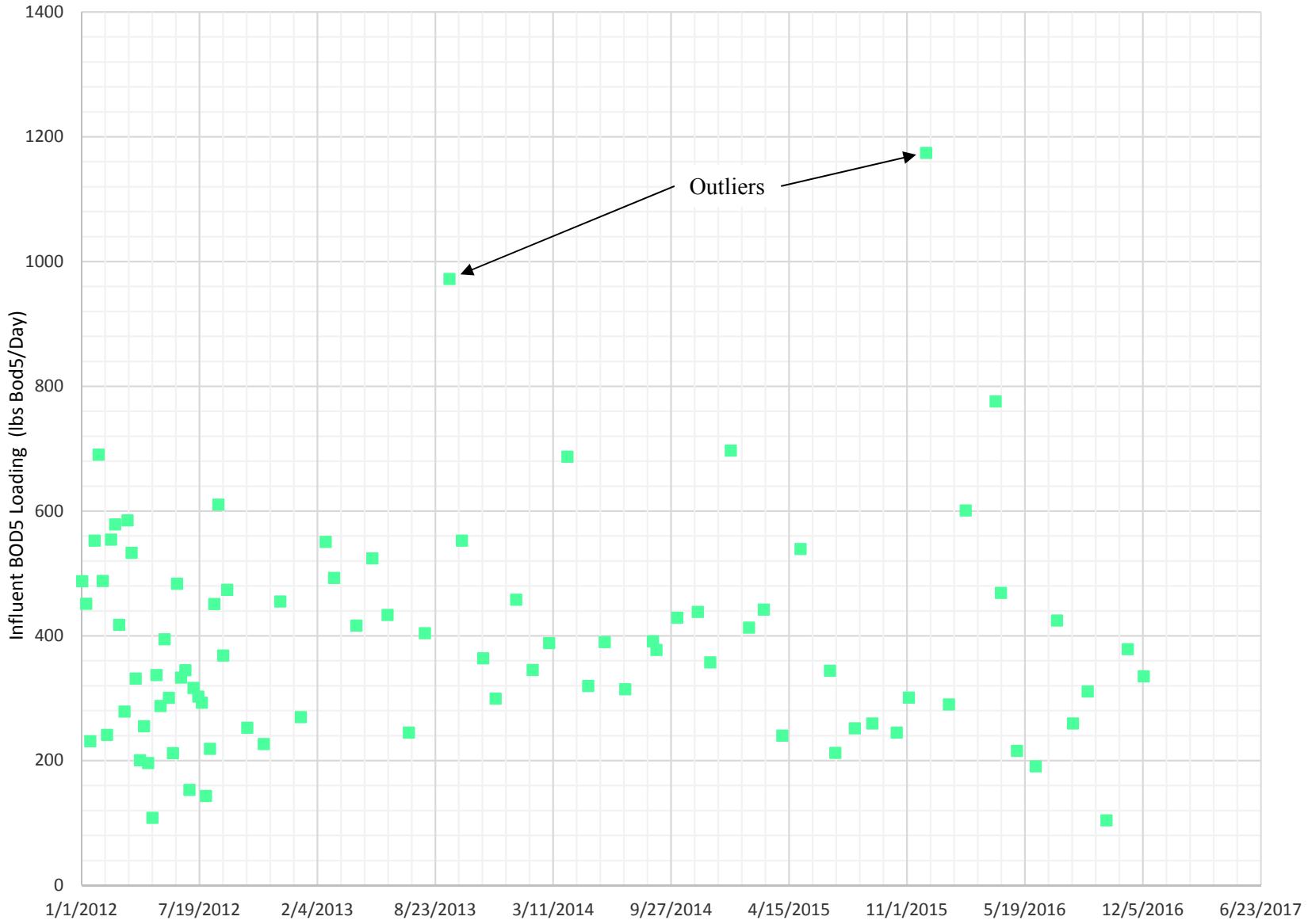


Figure 4. MWWTF Daily Influent Loading Between 2012 and 2016

Similarly, shown in Figure 4 is the MWWTF BOD5 influent loading from 2012 to 2016. For this period, the linear regression trend shows a slight increase (approximately 1.2% per year) for influent organic loading to the MWWTF with the current daily influent loading value of 412 lbs BOD5 / day. The MWWTF is rated for 1,286 lbs BOD5 / day is currently loaded at 32% of rated capacity.

FUTURE FLOW AND LOADING PROJECTIONS – MWWTF

The methodology used for developing future flow and loading projections for the MWWTF was to use actual Town residential per capita flows and loadings and industry standard flows and loadings applied to two different growth projections experienced in Town over the last 16 years. Shown in Table 2 is a summary of four (4) flow and loading projection scenarios using a range of per capita flow and loadings as well as a range of growth projections. The growth projections include a 2.2% population growth rate based on the Town's actual growth rate of the last 10 years and a 5.4% growth rate based on the 2000 and 2010 US Census data for the Town. The four (4) scenarios developed for loading projections include:

1. A growth rate of 2.2 % and the Town's actual residential per capita flows and loadings of 53.3 gallons per capita per day (gpcd) and 0.143 lbs BOD5/day/capita

2. A growth rate of 2.2 % and industry standard per capita flows and loadings of 75 gallons per capita per day (gpcd) and 0.188 lbs BOD5/day/capita

3. A growth rate of 5.4 % and the Town's actual residential per capita flows and loadings of 53.3 gallons per capita per day (gpcd) and 0.143 lbs BOD5/day/capita

4. A growth rate of 5.4 % and industry standard per capita flows and loadings of 75 gallons per capita per day (gpcd) and 0.188 lbs BOD5/day/capita

Table 2. MWWTF Capacity Results Based on Population Projection and Flow, and Loading Analyses.

Scenario	Year and Town Population at 80% Flow Capacity	Year and Town Population at Plant Flow Capacity	Year and Town Population at 80% Loading Capacity	Year and Town Population at Plant Loading Capacity
1. 2.2% Population Growth Rate and Actual Town Residential Flows and Loadings	2041 (7,557)	2051 (9,394)	2046 (8,425)	2055 (10,248)
2. 2.2% Population Growth Rate and Industry Standard Flows and Loadings	2029 (5,820)	2038 (7,079)	2036 (6,778)	2044 (8,067)
3. 5.4% Population Growth Rate and Actual Town Residential Flows and Loadings	2026 (7,421)	2030 (9,159)	2028 (8,244)	2032 (10,175)
4. 5.4% Population Growth Rate and Industry Standard Flows and Loadings	2021 (5,705)	2025 (7,041)	2024 (6,680)	2027 (7,822)

*Plant Capacity is 0.500 MGD and 1,286 lbs BOD5/day
*Plant Capacity at 80% is at 0.400 MGD and 1,029 lbs BOD5/day
*Actual Town Residential Flow and Loading: 53.3 gpcd and 0.143 lbs BOD5/person/day
*Industry Standard Flow and Loading: 75.0 gpcd and 0.188 lbs BOD5/person/day
*Assumed 12% of flow and loading is reserved for Commercial/Industrial Flows (2006 Mead Utility Report)
*Assumed 1,319 people on Septic Systems would remain on septic, but no additional residents would be on septic

A graphical representation of Table 2 is shown in Figure 5 and Figure 6 which identify trigger points for the MWWTF expansion milestones for each growth and loading projection scenario. Using the most conservative loading and growth projection, the MWWTF will reach 80%, 0.400 MGD, of its rated capacity by the year 2021, while using the least conservative scenario for loadings and growth, the MWWTF will reach 80% of its rated capacity by the year 2041. 80% of the rated plant capacity is the trigger point for beginning the planning and funding process to expand the MWWTF to a capacity that would serve future conditions, typically at least a 20-year outlook.

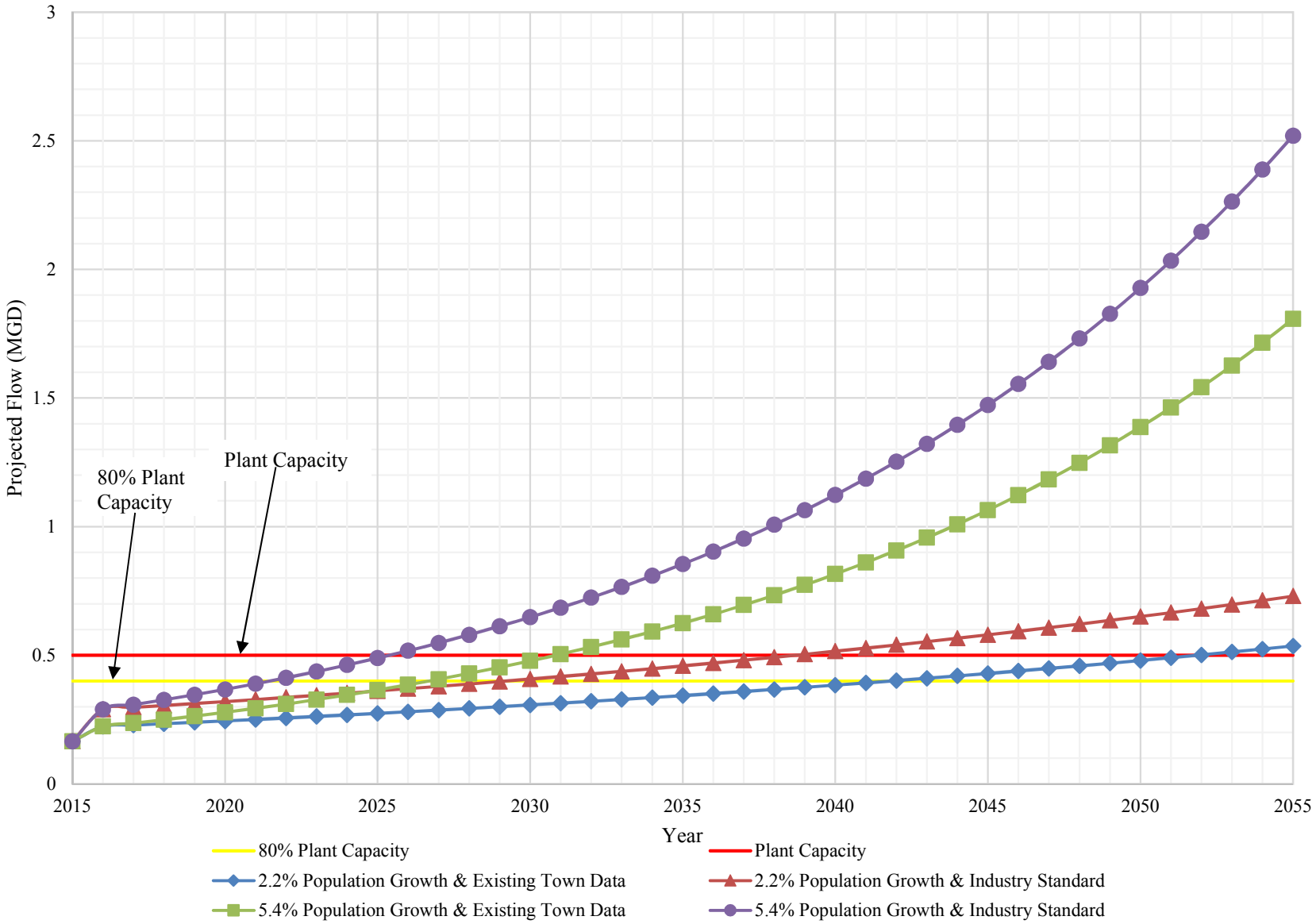


Figure 5. Projected Flow Based on Population, Existing Town Data, and Industry Standards.

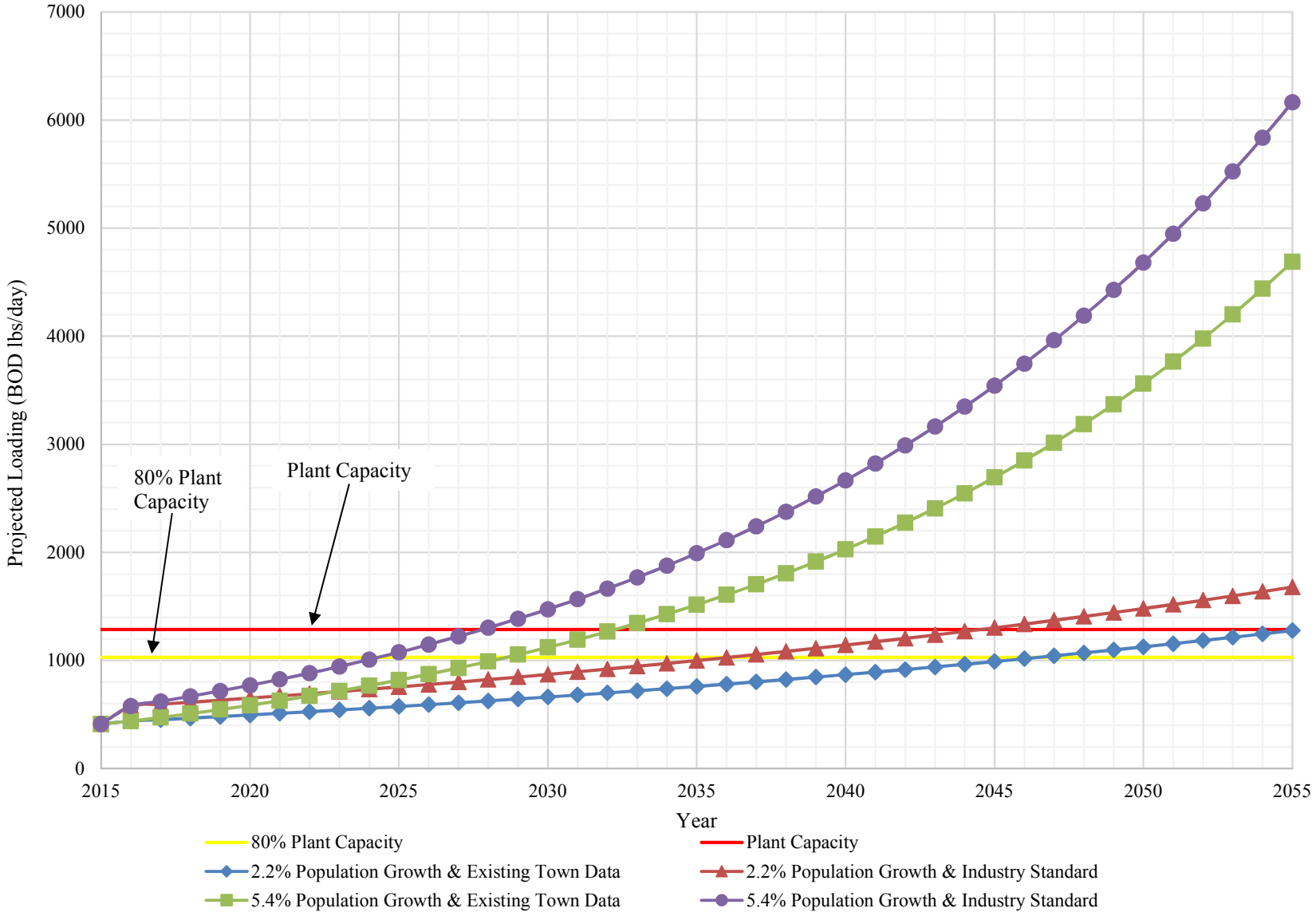


Figure 6. Projected Loading Based on Population, Existing Town Data, and Industry Standards.

Regulatory Outlook

The MWWTF treats wastewater using an active sludge biological treatment process which removes most of the organics and nutrient loads and produces a high quality effluent low in BOD5, total suspended solids (TSS) and ammonia-nitrogen. The plant was designed and constructed to efficiently be expanded for future loading conditions as well as implementing modifications / improvements to potentially meet stricter effluent discharge requirements. The effluent produced from the MWWTF is discharged to an unnamed tributary to St. Vrain Creek which is classified as Agriculture, Aquatic Life Warm 2, Recreation E, Water Supply in accordance with Regulation 38, 5 CCR 1002-38. Based on the review of most current surface water discharge regulations, the MWWTF is in compliance with all current and future water quality standards for the near future. Regulation 85 would impact the MWWTF once the plant capacity is increased to 1.0 MGD and above. Regulation 85 was adopted back in 2012 impacting publicly owned treatment works (POTWs) in Colorado that are 1.0 MGD and greater in capacity. The regulation requires that the effluent meet standards for nutrients, including Total Inorganic Nitrogen (TIN) and Total Phosphorus (TP). The proposed annual median effluent limits for TIN and TP are 15 mg/l and 1 mg/l, respectively. From Table 2, the MWWTF will not be required to meet Regulation 85 until after 2035 at the very earliest based on the most conservative loading and growth projections.

The Town has implemented a Sampling Analysis Plan (SAP) as required by the CDPHE back in 2012 to monitor nutrient limits of the MWWTF effluent discharge and upstream and downstream of the effluent discharge point. The data collected is being sent to CDPHE on an annual basis for assessing the water quality discharge impacts to the receiving stream. The SAP is in accordance with Regulation 85 regardless of system size and will be used for developing future water quality based effluent limits in accordance with Regulation 31. In addition, based on the June 2016 Water Quality Control Commission (WQCC) hearing, effective December 31, 2022, due to the presence of domestic water sources (surface and wells), the Town of Mead will be required to meet an effluent nitrate concentration of no greater than 10 mg/l. Prior to this, it is recommended that the Town implement a treatment modeling evaluation to determine the existing treatment system capability of consistently meeting an effluent nitrate concentration of less than 10 mg/l up to the design capacity of 0.5 MGD. The wastewater treatment system design allows for operational flexibility to potentially achieve low nitrate concentrations with minor operational improvements and adjustments.

Lake Thomas Wastewater Treatment Facility

The LTWWTF was annexed into the Town of Mead during the 2006 Wastewater Utility Planning process and has since been owned and operated by the Town. In recent years, LTWWTF has been subject to enforcement by the CDPHE. The LTWWTF serves a total of 29 homes (i.e. Lake Ridge Condominiums) and receives a daily average flow of approximately 2,000 gpd. The LTWWTF consists of an evaporative lagoon with no discharge. Wastewater flow from the development is collected in a settling tank prior to discharging to a small lift station located within the development and being pumped to the evaporative lagoon. In 2014, CDPHE conducted an inspection of the LTWWTF and issued a notice of violation (NOV) to the Town stating that the lagoon is leaking and does not meet the criteria of an evaporative lagoon system.

The Town is in the process of evaluating the best alternative to serve the Lake Thomas development. To date, the Town has been advised of four alternatives:

(1) Construct a larger lift station to pump the Lake Thomas Development wastewater to the Town's nearest gravity sewer collection manhole and connect to the MWWTF.
(2) Construct a larger lift station and pump the Lake Thomas Development wastewater to the nearest manhole served by the SVSD.
(3) Convert the existing facility into a lined holding tank to store wastewater and pump waste into a truck to be transported to the MWWTF.
(4) Upgrade the existing WWTF to meet evaporative lagoon standards or surface water effluent discharge standards.

Shown in Figure 7 is the location of the LTWWTF, and an overall map identifying Alternatives 1 through 4. It was confirmed with CDPHE that since the system will have a design flow greater than 2,000 gpd, it is required that all the selected alternatives will need site application approval for the lift station upgrade and lagoon system abandonment or repurpose. The alternatives were analyzed further for pros and cons of each alternative and a general opinion of probable cost analysis is provided in Table 3.

Alternative 1. Lift Station and Forcemain to Consolidate with the MWWTF

Alternative 1 includes construction of a lift station located at the LTWWTF site to intercept the wastewater generated from Lake Thomas, followed by pumping via force main to the MWWTF. The proposed force main alignment would be along WCR 32 west within the public right of way to an existing utility easement (originally proposed for the Burch Sewer) at which point the force main alignment would turn north and discharge to the Mead gravity interceptor manhole located along the entrance access road to the MWWTF. Shown in Figure 7 is the proposed alignment for this alternative. The lift station would consist of duplex non-clog submersible pump system with a standby emergency generator, pump control panel, cellular auto-dialer, valve vault and station piping to the force main. Due to the small flows generated by Lake Thomas and a long force main, it is proposed that the pumps be of the grinder type. The proposed force main diameter is four inches with a total length of approximately 9,000 linear feet. The Town would have to initiate a site application process with CDPHE for site approval to design and construct the lift station and force main. In addition, the existing evaporative lagoon system would need to be decommissioned in accordance with CDPHE requirements. Since the Lake Thomas customers are currently part of the Town, there would be no PIFs required and the monthly wastewater user rates would remain the same. Alternative 1's summary of opinions of probable costs (OPC) for the design, construction, annual operation and maintenance (O&M), and 20-year life cycle are shown in Table 3.

Alternative 2. Lift Station and Forcemain to Consolidate with SVSD

Alternative 2 is similar to Alternative 1 in that a new lift station and force main would be required to convey wastewater flows generated from Lake Thomas to the nearest gravity sanitary manhole owned and operated by SVSD. The proposed force main alignment would be from the Lake Thomas development east to the intersection of WCR 32 and WCR 13 at which point the force main turns south along WCR 13 to the existing SVSD manhole. The alignment would be within

the existing County public right of way as shown in Figure 7. The lift station would consist of duplex non-clog submersible pump system with a standby emergency generator, pump control panel, cellular auto-dialer, valve vault and station piping to the force main. Due to the small flows generated by Lake Thomas and a long force main, it is proposed that the pumps be of the grinder type. The proposed force main diameter is 3-inches with a total length of approximately 4,000 linear feet. The Town would have to initiate a site application process with CDPHE for site approval to design and construct the lift station and force main. In addition, the existing evaporative lagoon system would need to be decommissioned in accordance with CDPHE requirements. Since the Town will be pumping wastewater to SVSD, PIFs and user rates would apply. The 2017 residential customer PIF for SVSD is $5,650 (treatment) and $675 (collection) which is applied to a single family equivalent flow existing residential units (build-out) within the Lake Thomas development. Alternative 2's summary of OPC for the design, construction, annual O&M and 20-year life cycle are shown in Table 3.

Alternative 3. Existing Lagoon Conversion to Storage and Liquid Hauling to MWWTF

Alternative 3 consists of rehabilitating the existing evaporative lagoon by removing the wastewater contents from the lagoon followed by lagoon embankment and grading preparation and installation of a 45 mil polyethylene liner system. The lagoon system will remain non-discharging and the sewage will continue to be pumped and transported to the MWWTF. The removal of waste will be more often than currently occurring because there will no longer be exfiltration into the ground. It is estimated that 700,000 gallons would need to be pumped annually and hauled to the MWWTF. This is based on the maximum monthly wastewater flows from the Lake Thomas development and annual evaporative loses. Currently, the Town coordinates with McDonald Farms to haul liquid from the LTWWTF to the MWWTF once per quarter and an hourly rate of $120 per hour. Each tanker truck can haul up to 6,600 gallons per load and a site application amendment and discharge permit termination with the CDPHE would be required for the lagoon system retrofit. This alternative will also require improvements or replacement to the existing lift station that service the Lake Thomas development and since the system would be rated above the 2,000 gpd, it would require a site application for design, permitting and construction. The major disadvantage of this alternative is that it could be interpreted as a short-term solution and would least likely quality for potential grant funding. There will still be the uncertainty that CDPHE would ultimately approve this system for a long-term solution. Alternative 3's summary of OPC for the design, construction, annual O&M and 20-year life cycle are shown in Table 3.

Alternative 4. Upgrade LTWWTF

Alternative 4 requires that the existing evaporative lagoon system be upgraded to and advanced wastewater treatment system to meet stringent nutrient limits due to the nearby Lake Thomas and ground water. The system would require a new electric service and mechanical equipment to treat the wastewater to a high quality. The cost to upgrade the LTWWTF to an advanced wastewater treatment system would approach $1.5 million dollars with associated high O&M costs. For this reason, it is recommended that this alternative be screened out leaving Alternatives 1, 2 and 3 to be evaluated for cost and qualitative comparison.

Table 3. LTWWTF Alternatives Analysis Opinion of Probable Cost

Description	Alternative 1 LTWWTF to MWWTF	Alternative 2 LTWWTF to SVSD	Alternative 3 LTWWTF Pumping and Hauling
Project Cost[1]	$901,000	$455,000	$327,000
Plant Investment Fee (PIF)[2]	-	$50,000	-
Sub-Total	$901,000	$505,000	$327,000
Annual Operation Costs[3]	$19,400	$15,400	$32,900
20-Year Total Present Worth (PW) Cost[4]	**$1,292,900**	**$816,400**	**$991,600**

Foot notes:
(1) Project costs include construction, engineering, permitting and contingencies
(2) PIF is the current SVSD cost of $5,650 (treatment) and $675 (collection) per SFE
(3) Annual costs to operate and maintain the system
(4) 20-year PW cost at 2.7% discrete compound annual interest

Considering the above alternatives for the LTWWTF and factoring in the qualitative and quantitative criteria, it is recommended that the Town consider Alternative 2 – Lift Station and Forcemain to Consolidate with SVSD. This alternative provides a better long-term solution for Lake Thomas and offers the higher probability of receiving grant funding. Alternative 1 could also be considered, however, due to the long forcemain, higher project and O&M cost, and the likelihood that the Burch Sewer will not be constructed, it is less feasible than Alternative 2. Alternative 3 could be considered for a short-term solution but at the very minimum the existing lagoon cell would have to be lined which will definitely buy time for the Town to acquire funds to finance the longer-term improvements. If Alternative 3 is considered for the short term, it is recommended the Town work with the Lake Thomas development to improve their existing septic tank and septic tank effluent pumping system to provide a high degree of reliability and improve public health and safety. Currently, the Town does not have responsibility for Lake Thomas development's septic tank and pumping system, which has created problems between the development and the Town during emergency events. The Town currently collects wastewater user rates from each resident from Lake Thomas equivalent to other Town residential users. A suggestion would be to update the agreement between Lake Thomas and the Town identifying responsibilities of each entity. The septic tank and pumping system could remain as a private system with the Town accepting the wastewater. Nevertheless, improvements are necessary to the current pumping system including pump replacement, new guide rails, new controls and back-up generator.

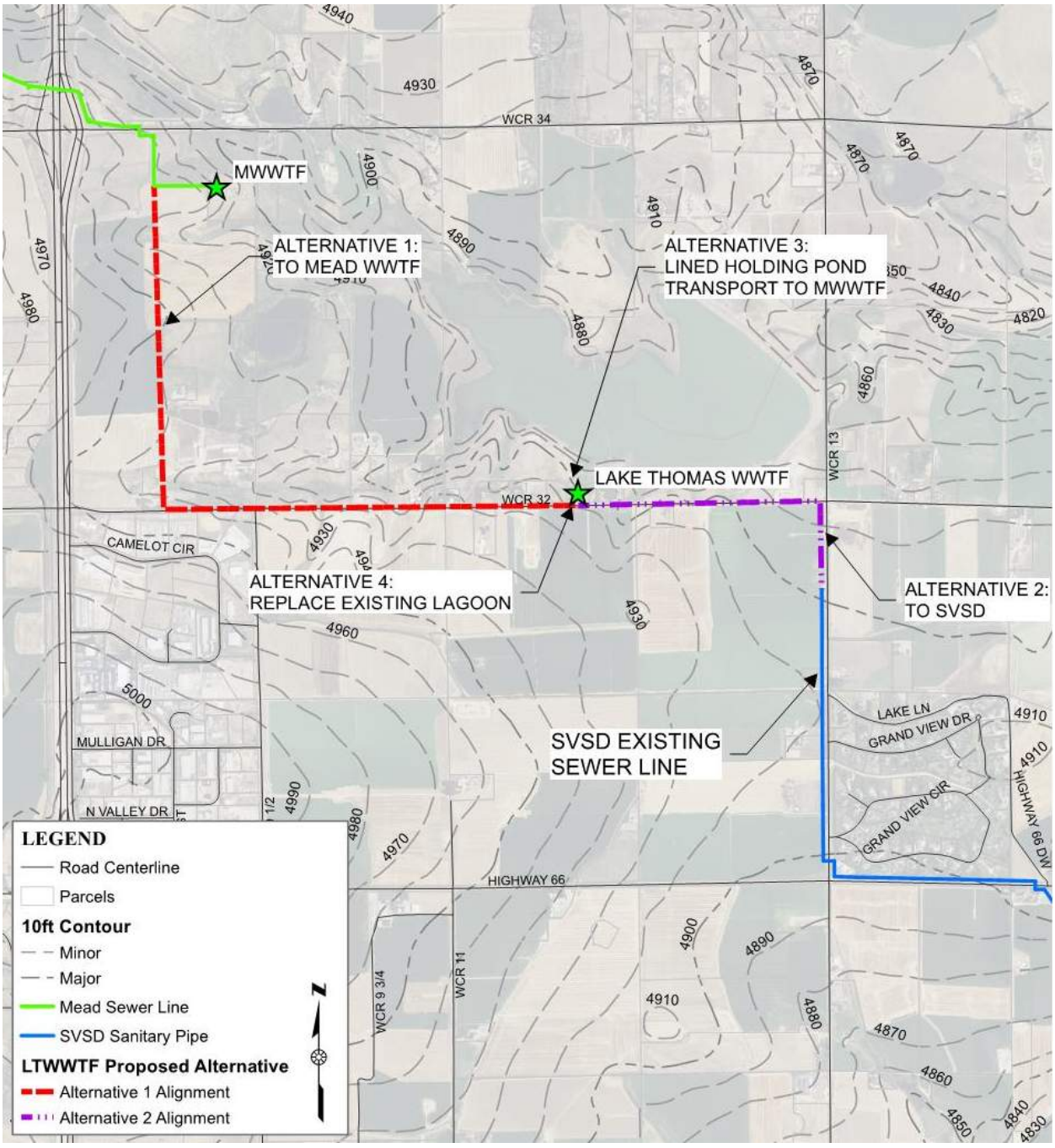


Figure 7. LTWWTF Location and Alternatives Map.

FUTURE FLOW PROJECTIONS – COLLECTION SYSTEM

As development continues through the Town Limits the existing collection system must be analyzed to ensure capacity is available for future flows. Without a proper understanding of future flow into the system surcharging and overflows could occur. Through the use of the Town's Zoning Map, shown in Figure 2, existing population, dwelling and MWWTF influent flow data the future buildout flows were estimated. Data collected from the Zoning Map included the allocated development type, residential dwelling density, and corresponding development areas. Future flows from each new residential development were calculated based on both the Town's data and industry standards taken from *Wastewater Engineering: Treatment and Resource Recovery, 5th Edition* (Metcalf and Eddy 2014). The Town's person per dwelling ratio of 2.83 and its commercial flow per acre of 2,000 gal/acre/day and industrial flow per acre of 1,050 gal/acre/day were used for projecting commercial and industrial flows. The Town's residential flow analysis shows the flow per capita of 53.3 gpcd, while the industry standard used is 75.0 gpcd. Table 1 provides a summary of the assumptions made to calculate the Town population, dwelling, and flow data. Table 4 below summaries the projected complete buildout future flow values.

Table 4. Future Flow Projections Summary within the Town Buildout Area

Development Type	Total Acreage	Acreage Developed	Dwellings	People	Flow – Actual Town Flow Data (53.3 gpcd)	Flow - Industry Standard (75.0 gpcd)
	(acres)	(acres)	(units)	(people)	(MGD)	(MGD)
Residential Single Family - Estate	288.1	216.1	116	328	0.018	0.025
Residential Single Family-1	703.9	406.4	501	1,419	0.076	0.106
Residential Single Family-4	1,738.0	808.7	4,888	13,833	0.737	1.037
Residential Single Family-8	46.9	10.4	323	914	0.049	0.069
Downtown Mixed Use	15.2	11.4	34	97	0.005	0.007
Total Residential Buildout	**2,792**	**1,453**	**5,862**	**16,590**	**0.884**	**1.244**
General Commercial	328.9	296.0	-	-	0.592	0.592
Highway Commercial	707.0	636.3	-	-	1.273	1.273
Light Industrial	100.5	90.5	-	-	0.095	0.095
Total Future Buildout	**3,929**	**2,476**	**5,862**	**16,590**	**2.844**	**3.204**

Assumptions

1 **Residential Single Family - Estate:** 1/2 units/acres
2 **Residential Single Family-1:** 1 unit/acre
3 **Residential Single Family-4:** 4 unit/acre
4 **Residential Single Family-8:** 8 unit/acre
5 **Downtown Mixed Use:** from Exist data 39 dwellings/13 acres
6 **General Commercial/Highway Commercial:** 2,000 gpd/acre (Town of Mead)
7 **Light Industrial:** 1,050 (Town of Mead- Exist Boulder Scientific 5.6 acres at 5900 gal/day)
8 **Residential:** 2.83 person/dwelling
9 **Residential:** 53.3 gal/person/day
(Used Peak Monthly 30 Day Avg Flow: June = 165,000 gal/day - 7,500 Comm/LI Pptys - 3,500 School= 154,000gal/day)
10 I/I flows are included in residential gal/person/day flow
11 **Industry Standard Flow**= 75 gpcd from CDPHE
12 25% of Residential total acreage will be roads/open space
13 10% of Commercial/Industrial Area will be roads/open space

SECTION 3 – COLLECTION SYSTEM ANALYSIS

COLLECTIONS SYSTEM

The Town currently has 78,985 linear feet (lf) of sanitary sewer pipe ranging from 4-inch to 30-inch. The main pipe material is polyvinyl chloride (PVC) with some vitrified clay pipe (VCP) in the downtown area. Figure 8 below shows the collection system color coded by pipe diameter. The collection system also consists of 317 manholes, seven clean outs, one lift station North Creek Lift Station (NCLS), and two WWTFs. The collection system serves seven subdivisions which consist of approximately 2,888 residents. The system is split into two major trunks, the north and east trunk, which combine before the system crosses I-25 and connects to the MWWTF. The LTWWTF serves a completely separate collection system (26 residential dwellings) about a mile east of I-25 along County Road 32.

US EPA's Stormwater Management Model (SWMM) was used to model the collection system using survey data from 2016. Flows from each dwelling were estimated using the data outlined in Table 1. Currently, the collection system is sufficiently sized to handle current flows entering the system with the maximum pipe percentage full at 40% full at peak hourly flow. The sewer that is subject to 40% full is the sewer main that receives pumped flows from the NCLS. The trunk sewers (15" diameter and larger) are modeled at approximately 19% full. Therefore, the trunk sewers have 61% of capacity remaining to accommodate future flows up to the 80% full, or the standard 0.8 d/D threshold. Velocities throughout the sanitary sewer are dependent on both the slope, pipe friction and flow rate. The highest velocity modeled was 4.4 fps at peak hourly flow while the lowest velocity was 0.07 fps at minimum flow. The low velocities are found at the start of most of the subdivision sewer lines and are low due to the low number of residents connected to the start of the system. CDPHE and most design standards required a minimum velocity of 2 feet/sec to maintain solids in suspension to reduce wastewater solids settling in the pipe.

The SWMM model in conjunction with the GIS model will allow for continuous analysis of the collection system to be performed on an as needed basis. Proposed development can be modeled to determine the capacity affects to the system and the flows entering the plant due to the development. The knowledge gained from having a calibrated and current model and mapping system will keep the Town informed and proactive when analyzing the operation and maintenance needs of the collection system and plant life.

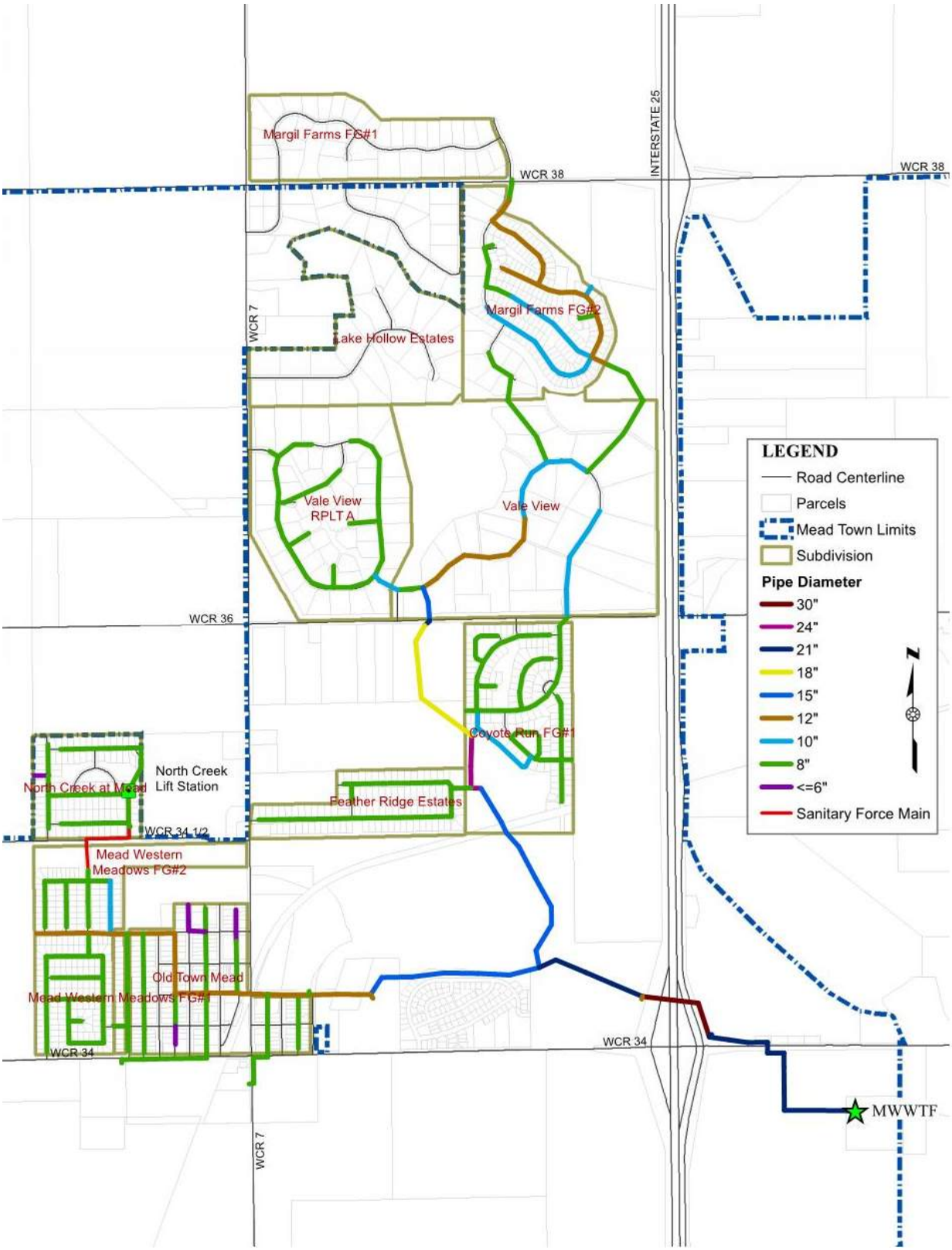


Figure 8. Existing System Pipe with Diameters.

North Creek Lift Station

The NCLS serves approximately 283 residents within the North Creek subdivision. The NCLS is shown in Figure 8. Records indicate that the NCLS was constructed in 1993 and was approved by the CDPHE through the site application and design review process. The lift station wetwell is outfitted with a Smith & Loveless pre-packaged self-priming non-clog duplex pump along with float controls and electrical control panel (S&L Model 4B2D / 4C2D). Each pump is rated for 200 gpm at 44 feet of total dynamic head (TDH) with 7.5 horsepower motors. The lift station contains an emergency generator for standby power in case of a power outage. The lift station is almost 25 years old and has experienced significant wear and tear. The pump station is in dire need of replacement or decommissioning in support of abandonment and gravity connection to a sanitary sewer. The cost to operate and maintain the station has steadily increased over the last several years and has become a liability to the Town since it is mechanical and subject to failure and possible sanitary sewer overflow events. The NCLS documents are provided in Appendix C.

Preliminary survey information indicates that the North Creek subdivision can be served by a gravity sewer alternate route, meaning that the old NCLS can be abandoned and decommissioned following gravity connection to an existing sewer. Shown in Figure 9 is the proposed alignment for an 8" gravity connection (line shown in red) from North Creek subdivision to an existing gravity sewer manhole located at the west end of Eagle Avenue. The Town would need to acquire dedicated sewer utility easements between the North Creek subdivision boundary and the public right-of-way of Eagle Avenue. The proposed project schedule and budget for the design and construction is provided in Section 5 of this report. The Town will have to go through a lift station abandonment plan and decommissioning process in accordance with CDPHE requirements. The cost of the NCLS decommission is outlined in short term CIP, Section 5, and is estimated to be $600,000.

Subdivisions using Septic Systems

There are currently eight subdivisions on septic systems within Town limits (Figure 9). The Town has in place a requirement for future developments to connect to the Town's collection system dependent on the condition that the development is within 400 feet of the existing collection system. The Town's goal is to provide all future developments with access to the collections system. Furthermore, the Town projects that these existing subdivisions will be required to tie into the Town's collection system due to regulatory requirements at some future point. While not a problem now, the collection system will have to be able to collect and transport flow from the septic subdivisions. Analysis will need to be conducted as future collection system lines are installed to incorporate the septic flows and be proactive with the design and alignment of the Town's collections system. The SWMM model and GIS mapping system will allow for the connection analysis to be completed and provide the effects of the connections to the system and plant.

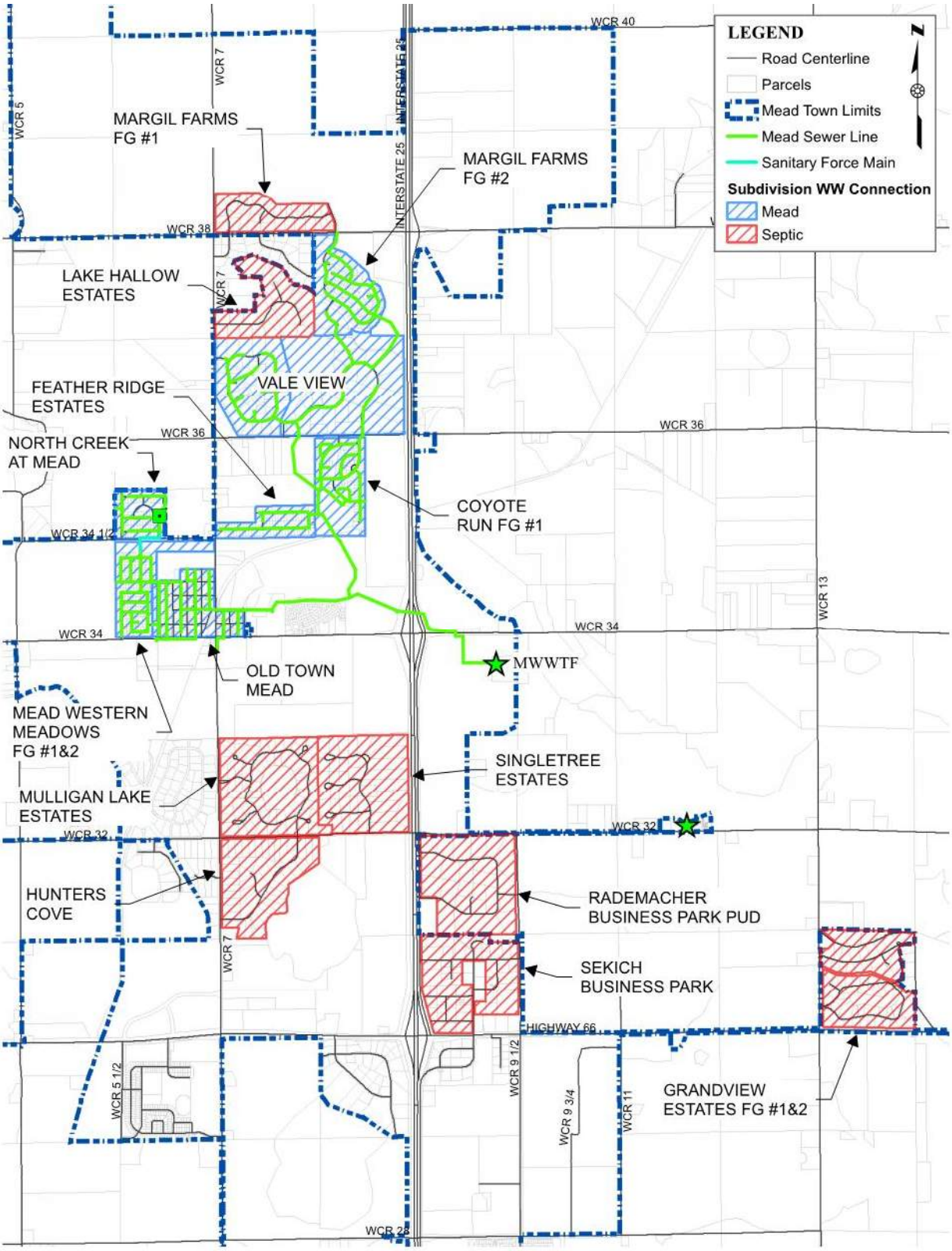


Figure 9. Existing Sewer System with Developed Subdivisions

CONDITION AND PERFORMANCE ASSESSMENT

A thorough condition assessment was conducted on most of the collection system which included a system wide location and elevation survey of all the manholes and inverts as well as review of all the digital closed circuit television sanitary sewer inspection records provided by the Town. Inspection records for the sanitary sewer manholes were not provided and therefore no assessment was conducted for the manholes other than elevation and location survey. Since 2011, the Town has contracted outside firms to video the sewer pipe system and provided details on defects that are present in each line. Most of the Town has been video inspected, with the exception of the south portion of Mead Western Meadows subdivision. The subdivision is located to the west of Old Town Mead and was developed in 2005. The north portion of Mead Western Meadows was videoed and revealed some sags in its piping system. The details include the location in the pipe where the defect was found and a description of the defect. Common defects found in the Mead system include, breaks, debris, deformed pipes, holes, inflow and infiltration (I/I), intruding pipes or taps, joints offsets, roots, sags, surface damage, or other as specified by the reviewer. Other possible defects found while videoing sewer lines that have not yet been seen in Mead include collapsed pipe, crack, grease, lining failure and vermin. Most of the defects can be found in the downtown area and in North Creek at Mead Subdivision. Margil Farms FG#2 has twenty-one (21) instances of sags within the subdivision collection system. Figure 10 below depicts the existing sewer line color coded by material with the locations of the identified defects and a blowup of the downtown area. The identification of the defects along with knowledge of problematic areas within the system can be used to provide information and priority based collection system repairs and replacement which can be budgeted over several years creating a proactive maintenance plan.

The overall performance of the collection system is satisfactory. The sewer model of the existing system shows there are no bottleneck locations or pipe reaches where the pipe is at a critical depth, greater than 80% full. The system is also sized to accommodate future without concern. The age of the system, based on the subdivision development year, is generally no more than 22 years old. The old town area is older in areas, but specific details were not available at this time. Age does not always precipitate the need to replace pipe, installation conditions, bedding material, surround soils, groundwater depth, and many other factors can affect the performance of a pipe and instigate the replacement of the pipe. By maintaining a CCTV program, the condition of the pipes in the system can be monitored and maintenance can be performed to extend the life of the system.

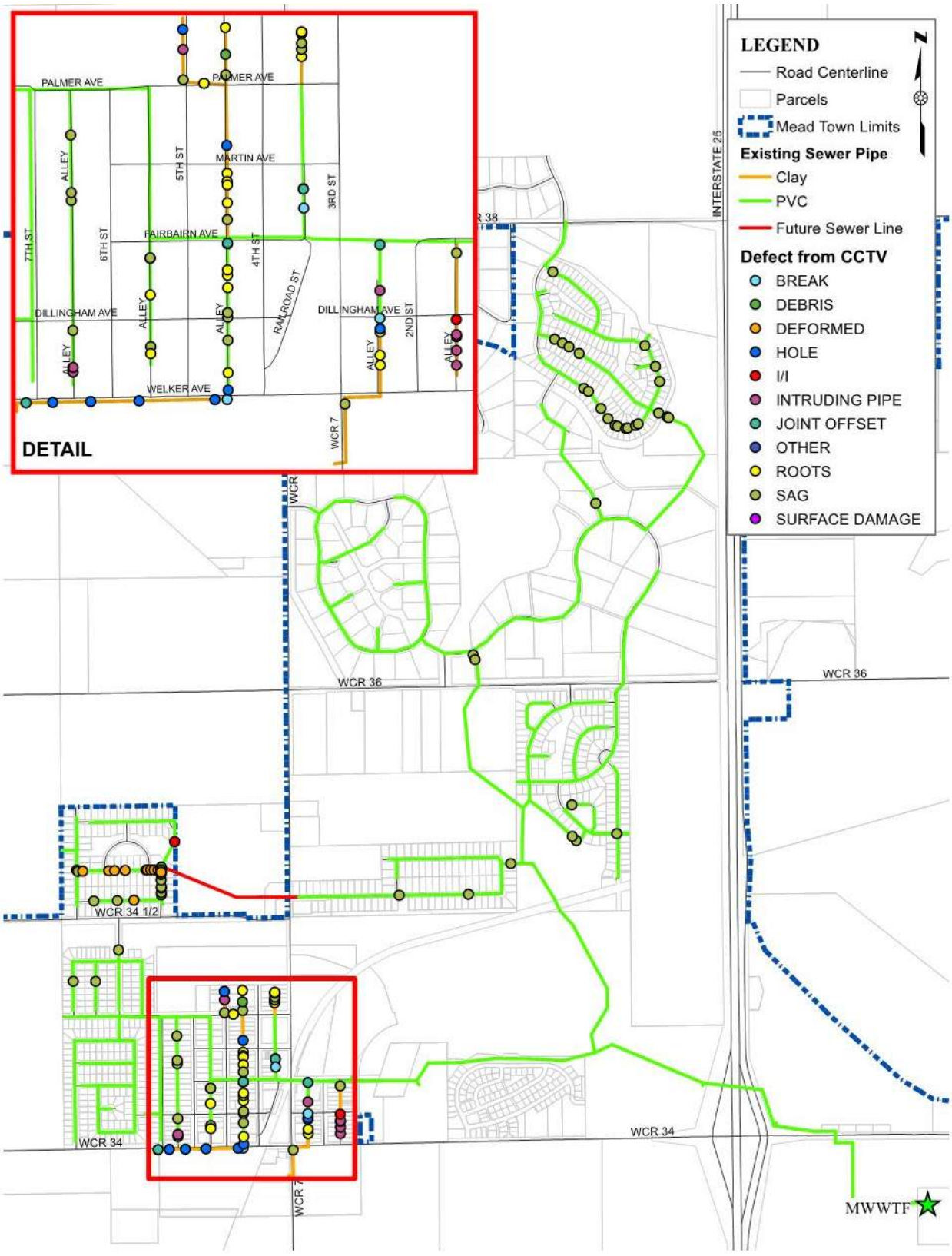


Figure 10. Existing Collection System Material, Proposed Near Future Pipeline, and Detected Defects Based on CCTV Results

PERFORMANCE ASSESSMENT FOR FUTURE FLOW 10-YEAR PROJECTIONS

The future flow projections for the 10-year projected growth development areas were used to analyze how future developments will affect the collection systems capacity. Two SWMM models were created to model and analyze the Town's future flows, the Town's existing residential flow per person of 53.3 gpcd, and the industry standard residential flow per person of 75.0 gpcd. The SWMM models were built by modifying the existing system SWMM model to include the additional flows from the 10-year projected growth developments. An assumption was also made that the NCLS will be decommissioned and the North Creek Subdivision will connect to Feather Ridge Subdivision by an 8-inch gravity sewer. Table 5 includes the calculated future flows for each development and the connection point the flows enter the system. Figure 11 depicts the 10-year projected growth areas and the assumed connection locations for the developments. The SWMM results show that the collection system is able to handle the proposed future flows for both the existing Town gpcd flow and Industry Standard gpcd flow. The industry standard produced higher input flows showing modeled maximum capacity in the collection system at 49% full. This sewer is located directly downstream of connection point 1. The highest percent full value for the trunk sewers is 45% full. This means that the collection system can handle total buildout of the 10-year projected growth area without major upsizing of the existing sewer infrastructure. The largest velocity for the industry standard SWMM model is 6.3 fps while the smallest velocity is 0.3 fps.

Table 5. 10-Year Projected Growth Total Buildout Future Flows

Development Subdivision or Type	Total Acreage (acres)	Flow - Existing Town gpcd (MGD)	Flow - Industry Standard gpcd (MGD)	Connection Point
Range View Estates	162.0	0.011	0.015	1
Mead Village	148.7	0.060	0.084	1
RSF-4-7	41.4	0.019	0.026	1
Downtown	15.2	0.005	0.007	1
Westridge - East Part (Residential and Commercial)	71.3	0.041	0.057	2
Welker Farms	25.8	0.020	0.028	3
Westridge - West Part (Residential)	230.8	0.323	0.324	4
Mead Place (Residential and Commercial)	281.0	0.397	0.419	5
Coyote Run East	60.4	0.036	0.051	6
Margil II	180.9	0.072	0.102	7
Total	**1,217.5**	**0.983**	**1.113**	

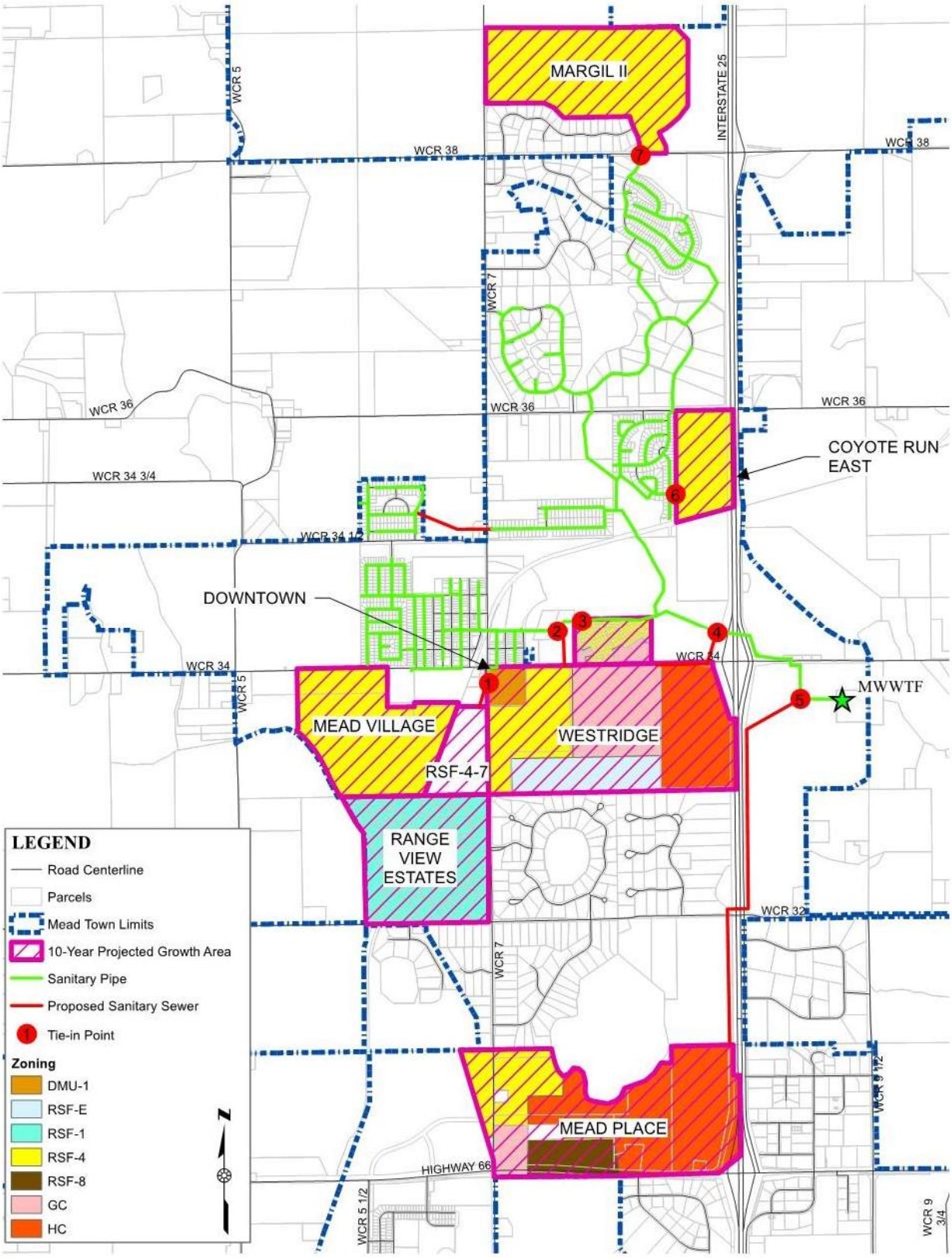


Figure 11. Connection Locations for 10-Year Projected Buildout Areas and Proposed Future Sewer Lines

MODEL LIMITING FACTORS

The major limiting factor to the SWMM model is that the existing model is not calibrated to existing pipe flows. The residential daily flow per person was based on the 2015 peak monthly daily average flow of 0.165 MGD and does not separate out inflow and infiltration. Furthermore, the residential diurnal curve in the models originated from the book *Wastewater Collection System Modeling and Design, First Addition* (Haestad et al. 2004) and was adjusted to better calibrate the flow in the model at the MWWTF to be closer to the measured flow value. Flow monitoring of the system would allow for calibration of the model and creation of diurnal curve that better mimic the existing system. Future development model would also benefit from a better calibrated and understood collection system to provide more accurate capacity analysis and influent flow calculations.

Another limiting factor for the model and collection system capacity analysis, future and existing, is the commercial/industrial flows that are assumed for future flows and taken from water use data for existing flows. Water use for commercial and industrial business varies based on specific needs and uses and therefore assumptions had to be made to estimate future flows from commercial and industrial development areas. The existing flow rates were taken from water use data, however it is unknown what percentage of the water used ultimately discharges to the collection system and what the diurnal curve for the discharge looks like. A typical commercial diurnal curve was used for the SWMM analysis, but depending on the actual company the diurnal curve could vary from the one used.

The advantage of the SWMM model is that it can easily be calibrated and updated based on future growth and needs. The model can be further refined by calibrating the model based on actual wastewater flows which would require installing temporary open channel flow meters at particular nodes throughout the collection system. The Town has discussed the possibility of conducting a system wide flow metering analysis of the collection system to further refine the model as well as detecting sources of I/I. It is recommended that the flow metering and I/I analysis study be conducted during June and July, when flows are typically the highest based on I/I.

Town operation staff should pay particular attention to the sewer lines that show modeled velocities less than 1.5 ft/sec. It is likely that these segment of sewers will be impacted by settled solids in the pipe which would require more frequent flushing and cleaning.

SECTION 4 – PROPOSED 208 PLANNING AREA

This section presents the future wastewater service areas for the Town of Mead 208 planning area. The Town's existing 208 Boundary was provided by the NFRWQPA in 2016 and originally approved by NFRWQPA in 2006. One of the primary goals of this WMP was to evaluate potential service areas within Mead's existing 208 Boundary that made economic and practical sense to be served by the MWWTF, and what areas that should be added or removed for potential service by Mead or neighboring municipalities and districts.

RATIONALE FOR DEVELOPING PROPOSED 208 BOUNDARY

The primary driver for determining what made sense for future wastewater service was topography and the vertical alignment of the Town's existing collection system. The Town conducted a survey of the entire wastewater collection system which was brought into the GIS mapping prepared for this report. The entire area within the existing 208 Boundary was evaluated for gravity service to the Town's existing collection system. Shown in Figure 12 is the Proposed 208 Boundary which identify service areas that should be included or excluded within the Town's 208 Boundary. Shown in Table 6 is a summary of the recommended areas to remove from the Town's 208 Boundary and what areas to add into the 208 Boundary. Note that a significant area is recommended to be removed as these areas can be served by gravity to neighboring districts and municipalities. The majority of the removed areas are recommended to be served by the SVSD.

Table 6. Proposed 208 Boundary Revised Area

Area ID	Total Acreage	Entity that Area would be Added To or Removed From
Area Removed from 208 Boundary		
1	80.7	SVSD
2	314.2	Berthoud
3	20.8	County
4	3111.4	SVSD
5	748.3	SVSD/County
6	18.6	County
7	111.8	County
TOTAL Removed from 208 Boundary	**4,294.0**	
Area Added to 208 Boundary		
8	37.3	County
9	399.7	County
10	56.6	SVSD/County
11	44.6	County
12	61.0	County
13	37.5	County
TOTAL Added to 208 Boundary	**636.7**	
Existing 208 Boundary	**12,571**	
Proposed 208 Boundary	**8,800**	

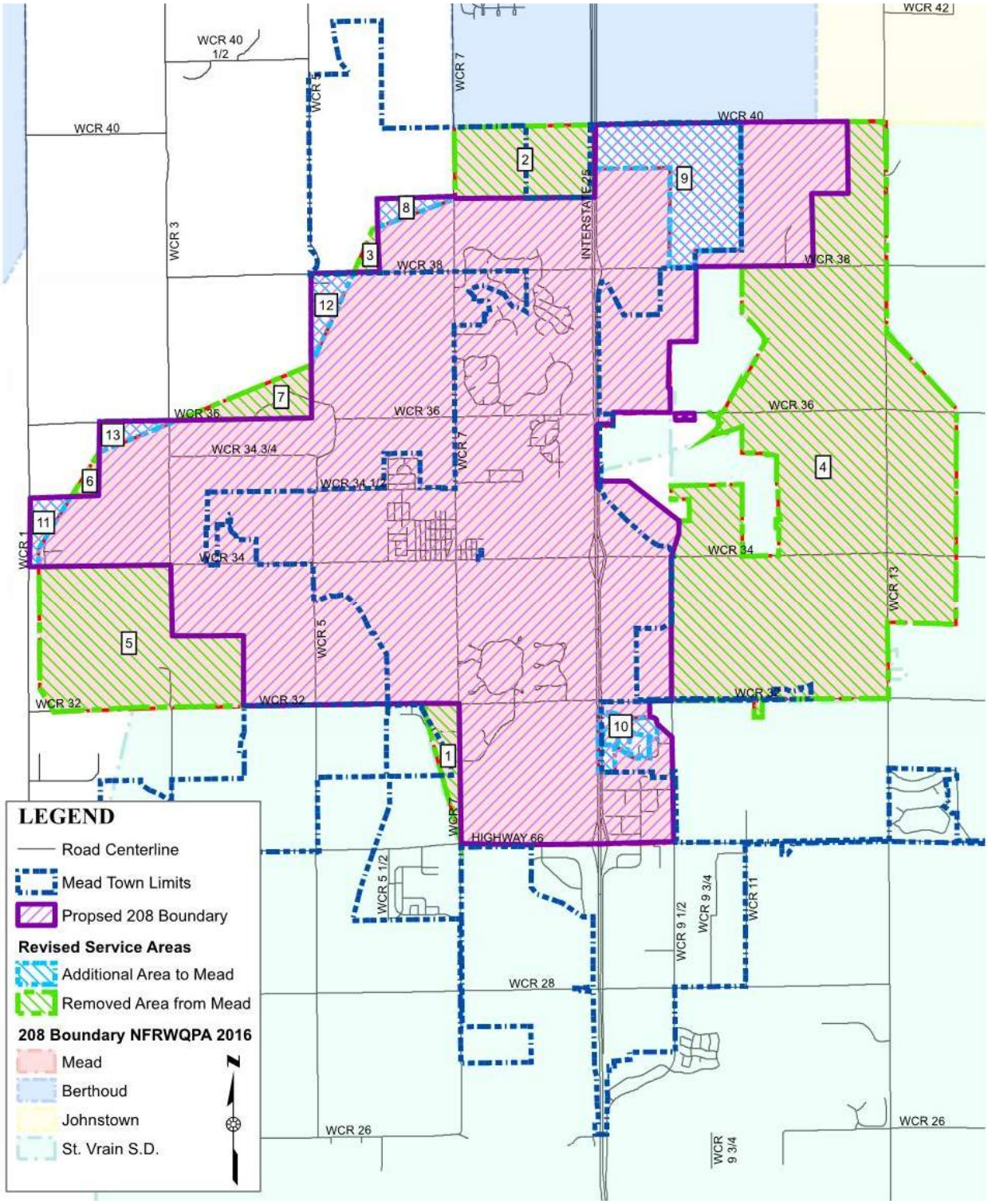


Figure 12. Proposed 208 Boundary with Revised Areas

FUTURE SERVICE FOR LAKE THOMAS

As described in Section 2 of this report, the LTWWTF serves a built-out community of 29 residents with no future services within the foreseeable future. A total of four (4) alternatives were evaluated for qualitatively and quantitatively. The recommended alternative for the LTWWTF is Alternative 2 which includes upgrading the existing lift station that serves the Lake Ridge units and constructing a 4,000 lineal foot forcemain and connecting into the SVSD. The estimated cost for Alternative 2 is $505,000 (includes the SVSD PIF) with an annual operation cost of $16,400. It is recommended that the Town initiate an Intergovernmental Agreement with SVSD for sanitary sewer service and begin the site application process for design and construction of the improvements. It is important that the Town begin this process as soon as possible to mitigate existing compliance issues with the CDPHE.

SECTION 5 – CAPITAL IMPROVEMENT PLAN

This section provides recommended near term and long term CIP for the Town's wastewater infrastructure. The basis for the improvements was presented in the previous sections of this report. The intent of the CIP is for the Town to cash fund the recommended projects with revenues generated from wastewater user rates and public investment funds (PIFs). The Town recently completed a Wastewater Rate Study in 2015 which adjusted the user rates and PIFs to reflect the current and near term projected wastewater financial and economic conditions. It is recommended that the Town update their Wastewater Rate Study every three to five years to adjust to most current and near-term conditions. The 2015 Wastewater Rate Study is included with Appendix B of this report.

SHORT TERM CIP

Near-term CIP is defined as capital improvement projects implemented in the next five years with a total cost of $5,000 and greater. Previous sections of this report addressed the overall state and condition of the wastewater infrastructure which concluded that the MWWTF has sufficient capacity and is not in need of near term expansion or major capital improvements based on current growth rates and loadings. However, the wastewater collection system has significant need for capital improvements. Shown in Table 7 is the five-year (2017 to 2021) Capital Improvement Plan for the Town of Mead.

It is recommended that the Town budget approximately $1.5 million for the next five years to implement the CIP outlined in Table 7. The high priority projects include the sewer line replacement between Welker and Dillingham, NCLS elimination, and VCP / PVC sanitary sewer rehabilitation in the Old Town area. Closed circuit TV inspection of the Welker/Dillingham sewer shows a major obstruction through the pipe causing wastewater exfiltration and capacity restrictions. With the pending addition of Mead Village, it is critical that this section of sewer be replaced soon. The Welker / Billingham sewer line replacement project cost is approximately $45,000 to be completed Spring 2017. The NCLS serves the North Creek subdivision consisting of approximately 100 residential dwellings. The lift station is over 23 years old and the wear and tear has progressed to the point for either complete replacement of the lift station or elimination with a gravity sewer connection to an existing manhole at the west end of Eagle Avenue. This project will require correspondence with CDPHE for abandonment of the lift station, design and potential easement acquisition. The total estimated project cost for the North Creek Lift Station elimination is $600,000 to be completed in 2018. The VCP sewers that serve the Old Town area are aged with many of the sewers containing defects such as root intrusion, sags, breaks / cracks, intruding pipes, and joint offsets. In addition, there are several sections for PVC sewer that need to be corrected, mostly related to sags and root intrusion. It is proposed to budget the Old Town sewer replacement and rehabilitation over the next five years allocating $70,000 to $120,000 per year.

As discussed earlier, the LTWWTF is in non-compliance with the CDPHE for meeting design standards for evaporative type lagoon systems. Over the next couple of years, the Town must decide the ultimate fate of the LTWWTF and wastewater service to the Lake Thomas residents.

There are four (4) alternatives for the Town to consider which were presented in Section 3 of this report. The most viable option from considering the current information available is to connect to SVSD (Alternative 2). The estimated cost for the design and construction of the lift station and force main and connection to the SVSD sanitary system is $505,000 with an annual operation cost of $16,400. It is recommended that the Town pursue the next steps for consolidating the Lake Ridge units with the SVSD and begin the site application process for Alternative 2. Further discussion with the Town is necessary to gather additional input for implementing improvements for the LTWWTF.

LONG TERM CIP

Long-term CIP is defined as capital improvement projects projected out beyond five years with a total cost of $5,000 or greater. It is unlikely that the MWWTF will need to be expanded or modified to meet new capacity or more stringent regulations within the next 10 years. If growth is very aggressive over the next five years, the MWWTF may have to begin planning for an expansion in 2021 (five years from now), however, this scenario would only pan out if growth rates are over 5% per year and a more conservative flow per capita is applied. Over the last 10 years Town has grown at an average annual rate of 2.2%. Based on the flow and loading graphs shown in Figure 5and Figure 6, it is more likely the MWWTF would need to begin planning for an expansion after 2030 (14 years from now). Based on what is known today for water quality regulations, the MWWTF should not have to implement any major modifications to achieve a higher quality effluent until the plant reaches a capacity of 1.0 MGD or greater, which is at least 20 to 40 years out based on projected flow and loading scenarios. The only caveat is the regulatory market is variable and can change over a three to five-year period which is when the South Platte River basin updates water quality standards on a continuous basis.

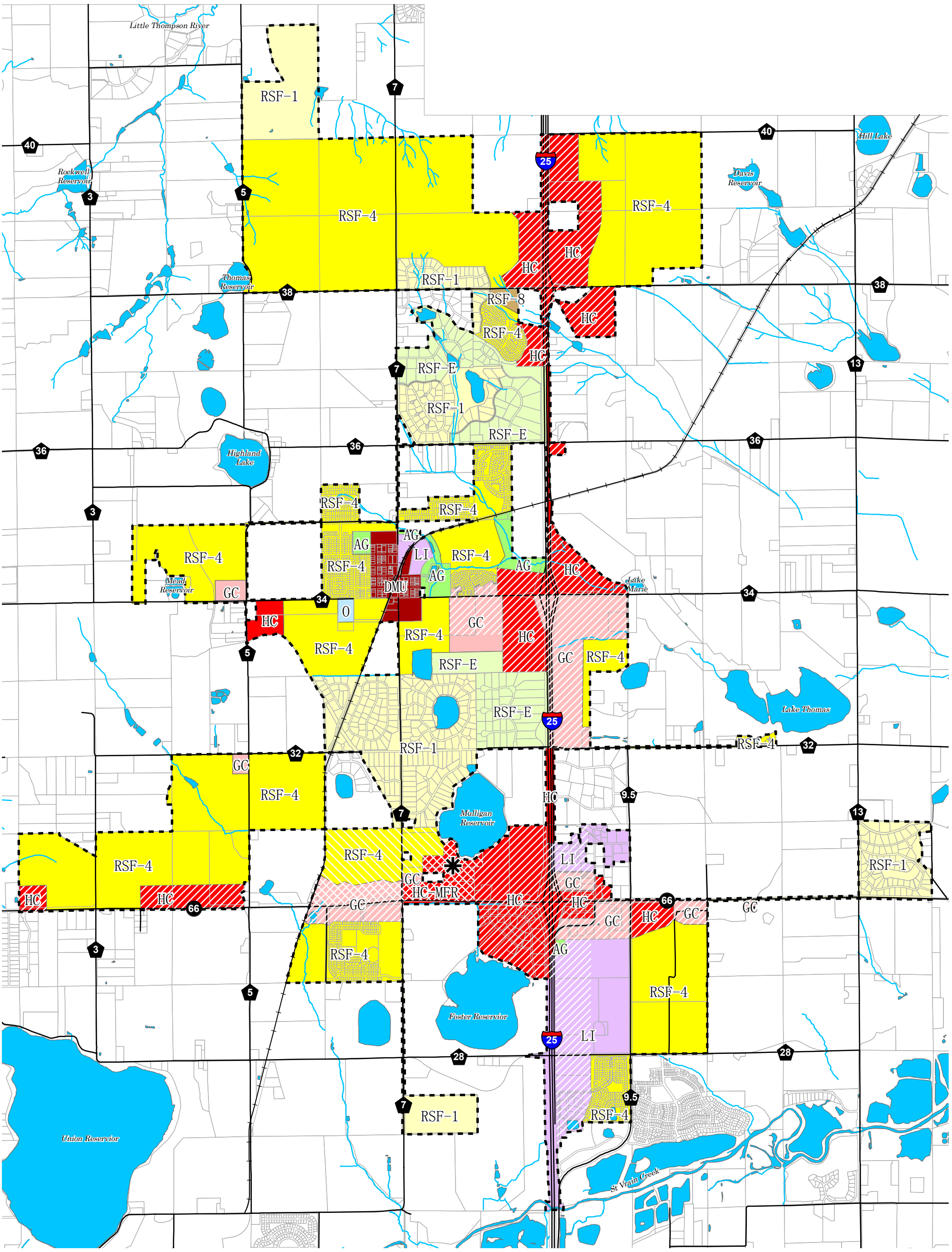
Also, shown in Table 7 is the long-term (2022 to 2026) CIP which is mostly focused on sanitary sewer replacement and rehabilitation and major equipment replacement at the MWWTF. Overall, it is recommended that the Town budget approximately $710,000 (minus inflation) for CIP projects between 2022 and 2026. Beyond 2026 there will be a continuing need to include on-going capital projects and means of funding these projects. It is recommended that the Town on a continuous basis, update the WMP and 5 and 10-year CIP to forecast the most current and projected wastewater needs. In addition, the 2015 Wastewater Rate Study should be re-visited to evaluate wastewater user rates and PIFs to accurately forecast revenues generated for meeting wastewater expenses and adjust for inflationary factors. The Town should reserve a depreciation fund that matches or exceeds capital replacement costs for the wastewater infrastructure (collection and treatment). Based on current growth trends and projected flow and loadings, it is not anticipated that the MWWTF will reach the 80% design capacity threshold until after 2026.

Table 7. Short Term and Long Term CIP (2017-2026)

Sewer Capital / Replacement Project	Unit Cost	Estimated Quantity: Lineal Feet[LF] or Lump Sum (LS)	2017	2018	2019	2020	2021	5 - Year Total	2022	2023	2024	2025	2026	10- Year Total
WW Master Plan Updates and GIS[1]	LS	LS	$20,000	$5,000	$5,000	$5,000	$5,000	**$40,000**	$5,000	$5,000	$5,000	$5,000	$5,000	**$65,000**
Capital Repairs and Replacement at the WWTF[2]	LS	LS	$20,000	$25,000	$20,000	$25,000	$75,000	**$165,000**	$20,000	$100,000	$20,000	$75,000	$20,000	**$400,000**
North Creek LS Elimination and Sanitary Sewer Extension[3]	LS	LS	$100,000	$500,000				**$600,000**						**$600,000**
Sewer Line Replacement between Welker & Dillingham[4]	125	357	$44,625					**$44,625**						**$44,625**
Emergency Preparedness - Fuel Storage at the WWTF Site[5]	LS	LS	$50,000					**$50,000**						**$50,000**
VCP Sanitary Sewer Rehab - Old Town Area6	95	4200	$100,000	$50,000	$100,000	$50,000	$100,000	**$400,000**						**$400,000**
PVC Sanitary Sewer Rehab - Old Town Area (point replacement)[7]	150	650	$20,000	$20,000	$20,000	$20,000	$20,000	**$100,000**						**$100,000**
PVC Sanitary Sewer Rehab Newer Sections of Town (point replacement)[8]	135	3300							$100,000	$75,000	$100,000	$75,000	$100,000	**$450,000**
TOTAL			$354,625	$600,000	$145,000	$100,000	$200,000	**$1,399,625**	$125,000	$180,000	$125,000	$155,000	$125,000	**$2,109,625**

[1]Additional services for GIS / mapping upgrades and training
[2]Capital replacement of equipment / structures $5000 and greater
[3]Design and permitting in 2017; construction in 2018
[4]Design and replacement of sewer
[5]Add diesel fuel storage (and Fleet Storage?) at MWWTF
[6]Recommend CIP sewer rehabilitation; Includes MH rehab as required
[7]Assumes point repairs to sags and deformities; Includes MH rehab as required
[8]Assumes point repairs to sags and deformities; Includes MH rehab as required
*Lake Thomas WWTF costs not included in CIP

APPENDIX A – TOWN OF MEAD MAPS



Zoning Districts

AG — Agricultural	DMU — Downtown Mixed Use
SFR-E — Residential Single Family-Estate	GC — General Commercial
SFR-1 — Residential Single Family-1	HC — Highway Commercial
SFR-4 — Residential Single Family-4	LI — Light Industrial
SFR-8 — Residential Single Family-8	Not in Town (No Color)

- Highway Commercial Development Overlay
- Planned Unit Development Overlay
- Interstate 25
- State Highway 66
- County Road
- Mead Town Limits

* Highway Commercial and Multi-family Residential Zoning - Contact Town for Full Description

OFFICIAL ZONING MAP
Town of Mead

Revised October 2013

NORTH

Each Section Represents an Area of Approximately One Square Mile

INTREPRETATION OF BOUNDARY LINES

In the event uncertainty is demed to exist on this zoning district map, district boundaries shall be on section lines, lot lines, the center lines of highways, streets, alleys, railroad rights-of-way or such lines extended; municipal corporation lines; natural boundaries, such as streams; or other lines to be detemined by the use of scales shown on the map. The Town Manager shall be responsible for determining any disputes or corection to this map.

DISCLAIMER:

All data and information contained herein are for planning purposes only. This information does not replace legal description information in the chain of title and other information contained in official governmental records such as at the Weld County Clerk and Recorders Office or in the courts. Also, the representation of locations in the map data cannot be substituted for actual legal surveys.

The information contained herein is believed accurate and suitable for limited use and is subject to the limitations set forth above. The Town of Mead makes no warranty as to the accuracy or suitability of any information contained herein. Users assume all risk and responsibility for any and all damages, including consequential damages, which flow from the user's use of information.

Potential 10-year Growth
per meeting on 5/11/16

Approx 2,000 Acres
Estimated 5,500 Units

Margil II
Approx 200 acres
Est 480 Units

Coyote Run East
Approx 50 Acres
Est 240 Units

Welker Farms
130 Platted Units

Mead Village
181 acres
395 Units per PP

Rangeview Estates
Approx 160 Acres
73 Platted Lots
May replat up to 200?

Westridge
Approx 290 acres
Est 500 Units
plus Commercial

Ranview Addition
Approx 57 acres
Est 200 Units

Sorento
Approx 153 acres
Est 600 Units

Copper Homes
Approx 160 acres
Est 160 Units

Mead Place
Est 300 SF units
Est 240 MF Units
plus Commercial

Highway 66 Commercial
-No residential

Silengo
Approx 50 acres
Est 200 Units

Ritchie Bros commercial
-No Residential

Waterfront
Approx 586 acres
Est 1600 SF Units
Est 250 MF Units

St. Acacius
Approx 111 acres
Est 222 Lots (in for review)

Little Thompson River
Rockwell Reservoir
Thomas Reservoir
Highland Lake
Hill Lake
Davis Reservoir
Lake Marie
Lake Thomas
Mulligan Reservoir
Foster Reservoir
Union Reservior
St Vrain Creek

Zoning Districts

AG Agricultural	DMU Downtown Mixed Use
SFR-E Residential Single Family-Estate	GC General Commercial
SFR-1 Residential Single Family-1	HC Highway Commercial
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Highway Commercial Development Overlay

Planned Unit Development Overlay

Interstate 25

State Highway 66

County Road

Mead Town Limits

* Highway Commercial and Multi-family Residential Zoning - Contact Town for Full Description

OFFICIAL ZONING MAP
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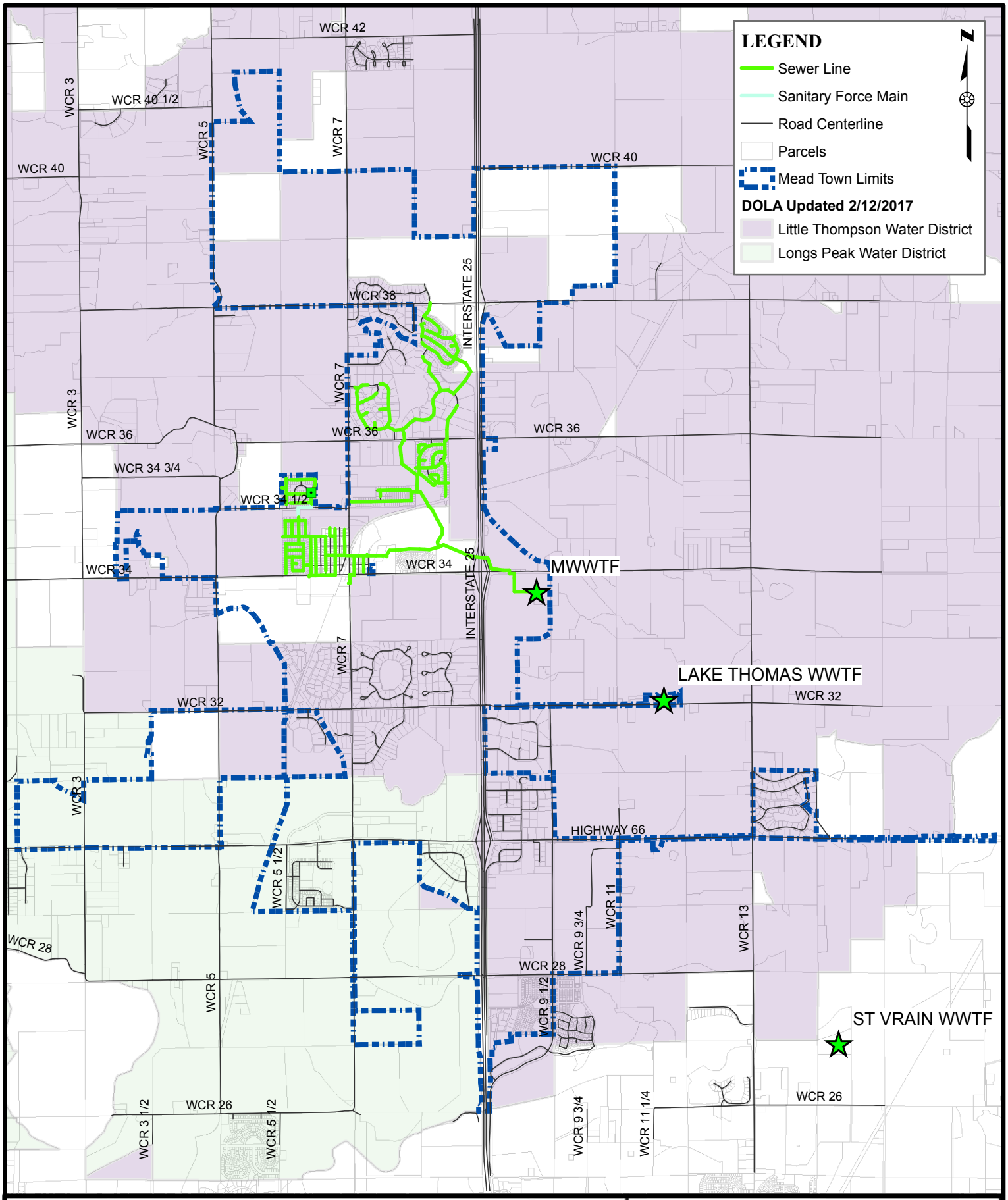


Town of Mead WW Collection System and Water Districts
02/15/2017

JVA, Inc.
213 Linden Street, Suite 200
Fort Collins, CO 80524
970.225.9099
www.jvajva.com
Boulder • Fort Collins • Winter Park
Glenwood Springs • Denver

APPENDIX B – MEAD WATER RATE STUDY

TOWN OF MEAD, CO

WASTEWATER RATE STUDY

Final Report

Prepared by:

RPI Consulting LLC

Durango, Colorado

TABLE OF CONTENTS

INTRODUCTION

This report presents the rationale and analysis supporting an updated wastewater rate and plant investment fee (PIF) in the Town of Mead. The analysis is a result of staff direction and collaboration with RPI after initial findings and fee structure were presented to the Board of Trustees on December 14, 2015.

The goal of the analysis is to ensure that wastewater fees do not discourage new development while ensuring that the town can pay its current debt service and pay for needed capital improvements. Meads' current base PIF of $7,000 is well above fees in Johnstown, Milliken, Erie, and Longmont, all of which are under $5,000. The new PIF fee structure lower's Mead's PIF in order to become competitive with PIFs of other municipalities in the area. The PIF is designed to pay off debt from the wastewater treatment facility bond. In the event that limited growth occurs in Mead, a capital planning element has been incorporated into the monthly wastewater rate. The capital element is designed to pay for scheduled improvement and rehabilitation projects, and should be used for debt service only in the event that PIF revenues are not adequate.

WASTEWATER RATE

The monthly wastewater rate is composed of four components, a base rate, a 10% contingency fee, a volume charge, and a capital replacement/depreciation component. The base rate incorporates existing usage patterns, the cost of ongoing operations and maintenance at the wastewater plant, and the costs associated with capital depreciation and replacement. The volume charge is the rate for accounts that use more than 4,000 gallons per month and is charged for every 1,000 gallons of usage over the 4,000-gallon threshold. The capital planning portion of the fee is based on a 10-year capital improvement plan developed by the town staff and its engineering consultant, and does not include current debt service associated with the wastewater treatment plant. However, if debt service payments are not met by annual plant investment fees (PIF) a portion of the revenues from the capital replacement/deprecation fee may be used to pay for debt service.

WASTEWATER RATE OPERATIONS AND MAINTENANCE BASE FEE AND OVERAGE CHARGE

The base rate is the initial rate charged to all wastewater accounts. Customers pay the base rate regardless of account type or total usage. Because the town does not meter individual wastewater accounts, the base fee is tied to average winter water usage for residential accounts. Winter water is used indoor and does not include significant irrigation or outdoor use so all but a fraction of the water used in the winter will flow into the sewer collection system and is therefore a sound metric for estimating household

wastewater flows year round. Currently, residential customers are charged a base rate of $33.27 for the first 4,000 gallons and $9.13 per 1,000 gallons over the initial base allowance. The 4,000 gallon base allowance aligns with current residential usage patterns. On average, a residential account used 4,164 gallons per month, while low commercial accounts used just under 4,000 gallons per month. Medium commercial accounts used an average of 6,910 gallons per month, while the high commercial account used over 170,000 gallons per month. The schools used an average of 31,922 gallons per month.

Figure 1 – Average Water Use by Account Type

Three Year Average	Accounts	Total Gallons Used By Account Type	Average Gallons Per Account
Residential	931	3,877,502	4,164
Low Commercial	10	40,430	3,935
Medium Commercial	5	34,552	6,910
High Commercial	1	172,637	172,637
Schools	2	63,844	31,922

The base rate is based on influent measurements from the wastewater treatment facility and the Lake Thomas treatment facility and operations expenditures from town audits. Between 2012 and 2014 the town processed between 47 and 53 million gallons of wastewater and spent between $275,000 and $291,000 on operations expenditures. Averaged out over three years it cost the town $5.58 per 1,000 gallons of wastewater processed. This cost translates to an operations base rate of $22.32 per 4,000 gallons.

Figure 2- Operating Expenditures and Influent

	2012	2013	2014	3 Year Average
Total Operating Expenditures	$275,591	$289,413	$291,047	
Annual Influent	47,752,926	52,086,668	53,790,781	
Cost per Gallon	$0.00577	$0.00556	$0.00541	$0.0056
Cost per 1,000 Gallons	$5.77	$5.56	$5.41	$5.58
Cost per 4,000 Gallons	$23.08	$22.23	$21.64	$22.32

WASTEWATER RATE AND CAPITAL PLANNING

The wastewater base rate incorporates a capital planning element designed to pay for future upgrades and replacement to the Mead sewer system not associated with the wastewater treatment facility. Costs associated with future capital improvements require assumptions about future growth and a list of projects and expected construction costs.

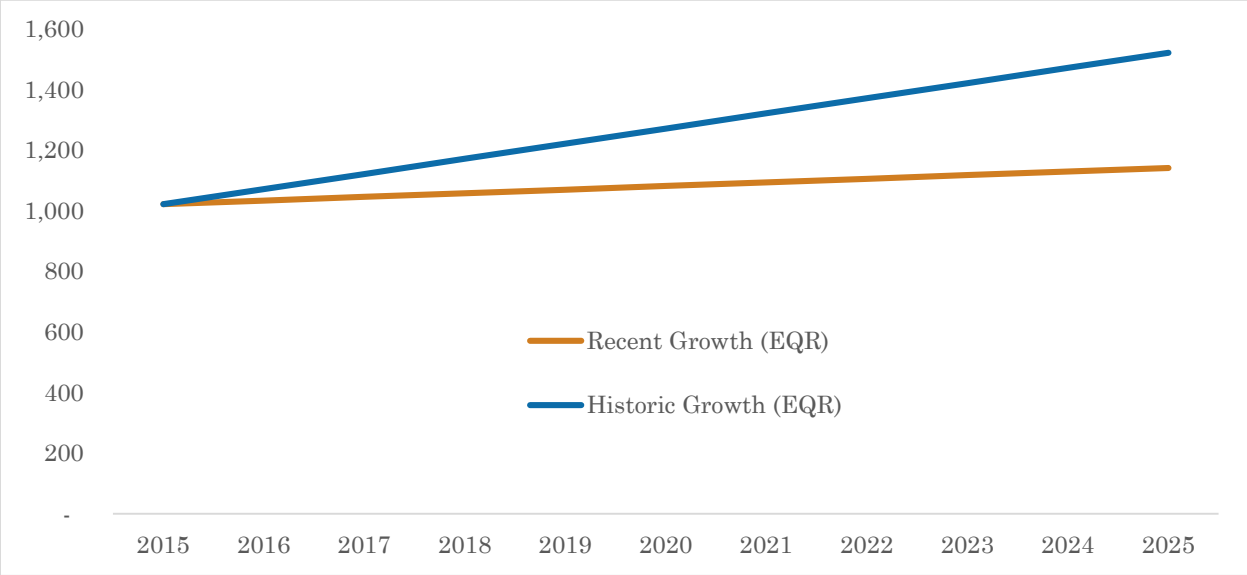
Future demand is converted from residential and commercial accounts to equivalent residential units, a baseline measurement that helps standardize demand across a range of customer types. The definition of an EQR can differ between service providers, however in this report an EQR is defined as a customer using 4,000 gallons, based on the usage

patterns described in figure 1. A residential unit is by definition equal to one EQR, a commercial unit can equate to multiple EQRs, depending on usage. For example, if a commercial customer uses 8,000 gallons, the account would equate to two EQRs.

After presenting two growth scenarios to town staff and the board of trustees, and with the direction of staff, this analysis assumes that demand for wastewater services in Mead will grow at an average annual rate of 32 EQRs through 2025. 30 EQRs will be a result of residential growth and 2 EQRs will be a result of commercial development.

This growth rate is supported by two projections prepared by the consulting team. High estimates, based on historic 2004-2014 Colorado Department of Local Affairs municipal housing unit estimates show that Mead grew at an average annual rate of 48 housing units per year. Low estimates, based on 2013-2015 sewer billing data show an average growth rate of 12 residential accounts and two low commercial accounts per year. Under the high estimate Mead will have 1,522 EQRs by 2025. The low growth estimate based on recent growth patterns results in 1,142 EQRs in 2025. The staff directed estimate of 30 residential units and 2 commercial units per year is a rounded average of the high and low estimates and is the basis for the demand divisor for the capital replacement and depreciation portion of the fee.

Figure 3 – 2025 Growth Scenarios



10 YEAR CAPITAL IMPROVEMENT PLAN

The capital improvement plan (CIP) used in this analysis was developed by town staff and the town's engineering consultant and totals $1.7 million through 2025. Projects include mapping, backflow prevention, repair and development of the wastewater treatment facility (WWTF), and system wide rehabilitation projects. The CIP is not related to debt service

associated with the WWTF and only includes projects that expand, maintain, or rehabilitate wastewater capital infrastructure.

Figure 4 – Capital Improvement Plan through 2025

Sewer Capital Project	2016	2017	2018	2019	2020	2020-2025	Total
WW Master Plan / GIS WW Mapping	$50,000	$20,000		$10,000		$15,000	$95,000
Backflow Prevention at the WWTF	$12,000						$12,000
Capital Repair and Replacement at WWTF	$25,000	$20,000	$25,000	$20,000	$25,000	$20,000	$135,000
North Creek Sanitary Sewer Extension and Abandonment of the North Creek Lift Station		$100,000	$500,000				$600,000
Emergency Preparedness / Response for Diesel Fuel Tank at WWTF site	$5,000						$5,000
Emergency Preparedness for Fire Protection / Suppression study for WWTF	$5,000						$5,000
Sanitary Sewer and Manhole Rehabilitation	$50,000	$125,000	$50,000	$100,000	$125,000	$400,000	$850,000
Total	$147,000	$265,000	$575,000	$130,000	$150,000	$435,000	$1,702,000

The monthly capital replacement and deprecation portion of the base rate is calculated by dividing the total value of the capital improvement plan by the average number of EQRs between 2015 through 2025 and dividing by 12 to estimate the monthly charge. This calculation shows that based on the assumed growth rate, the county will need to charge $12 per month in order to generate an average of $170,000 per year to pay for capital replacement and depreciation expenses associated with expanding and maintain the sewer system.

Figure 5 – Capital Improvements Service Charge

Total Value of Capital Improvement Plan	$1,702,000
Rounded Per Year	$170,200
Average EQR (2015-2025)	1,182
Annual Charge	$143.99
Monthly Charge	$12.00

OVERAGE CHARGE

This analysis maintains the existing overage charge structure. Currently the town charges a base rate of $33.27 which translates to $8.13 per 1,000 gallons for the first 1,000 gallons. The overage charge is $9.13 per 1,000 gallons which is 81 cents more than the base rate.

Maintaining this structure yields an overage charge of 9.95 per 1,000 gallons over the initial base allowance of 4,000 gallons.

WASTEWATER UTILITY RATE FEE SCHEDULE

Combing the operations and maintenance portion of the fee, a 10% contingency with the capital replacement and depreciation charge produces a total base rate charge for residential accounts of $36.55. Currently the town code provides a 25% surcharge for accounts outside of town limits. Based on recommendations from staff, the surcharge was increased to 100%, resulting in a base rate of $73.10 for residential accounts outside of the town boundaries.

Figure 6 – Residential Base Rate and Overage Fee Schedule

Residential Rates	In-Town	Out of Town (50% Surcharge)
Operations and Maintenance/4,000 Gallons	$22.32	$44.64
10 % Contingency	$2.23	$3.46
Capital Replacement/ Depreciation Charge	$12.00	$24.00
Total Base Fee	$36.55	$73.10
Overage Charge per 1,000 Gallons	$9.95	$19.90

The town's code establishes and defines commercial classes and the wastewater rate structure from non-residential accounts. Based on the code, low commercial accounts (businesses with less than 10 employees) pay the same amount as a residential account. Schools and medium commercial accounts (businesses with 10-45 employees) are charged 20% more than the residential rate. Businesses with more than 45 employees are classified as high commercial and are charged 40% more than the baseline residential rate. This structure applies to the base rate and the overage charge. The 100% out-of-town surcharge applies to commercial accounts as well. The following two charts summarize the base rate, and overage rates for in town and out of town non-residential customers.

Figure 7 – Commercial Base Rate Fee Schedule

Commercial Base Rates	% Increase from Residential	In-Town	Out of Town
Low Commercial	0%	$36.55	$73.10
Medium Commercial	20%	$43.86	$67.72
High Commercial	40%	$51.17	$102.34
Schools	20%	$43.86	$87.72

Figure 8 – Commercial Overage Rate Fee Schedule

Commercial Overage Rate	% Increase from Residential	In-Town	Out of Town
Low Commercial	0%	$9.95	$19.90
Medium Commercial	20%	$11.94	$23.88

High Commercial	40%	$13.93	$27.86
Schools	20%	$11.94	$23.88

PLANT INVESTMENT FEE

The plant investment fee is based on the assumption, as directed by town staff, that current WWTF debt can be restructured in 2017. In 2017 the town will have approximately $1.9 million outstanding debt, assuming a 4.5% interest rate and a 20-year term, the new semi-annual debt payments will total $72,537. Figures 9 and 10 provide the assumptions and amortization schedule for a potential restructuring of the WWTF debt service.

Figure 9 – WWTF Debt Restructuring Assumptions

Loan Amount	$1,900,000
Interest Rate	4.5%
Term	20 years
Semi-annual payment	$72,537

Figure 10 – Debt Service Amortization Schedule

Payment Number	Interest Payment	Principal Payment	Balance
1	$42,750	$29,787	$1,870,213
2	$42,080	$30,457	$1,839,756
3	$41,395	$31,143	$1,808,613
4	$40,694	$31,843	$1,776,770
5	$39,977	$32,560	$1,744,210
6	$39,245	$33,292	$1,710,918
7	$38,496	$34,041	$1,676,877
8	$37,730	$34,807	$1,642,069
9	$36,947	$35,590	$1,606,479
10	$36,146	$36,391	$1,570,088
11	$35,327	$37,210	$1,532,878
12	$34,490	$38,047	$1,494,830
13	$33,634	$38,903	$1,455,927
14	$32,758	$39,779	$1,416,148
15	$31,683	$40,674	$1,375,475
16	$30,948	$41,589	$1,333,886
17	$30,012	$42,525	$1,291,361
18	$29,056	$43,481	$1,247,880
19	$28,077	$44,460	$1,203,420
20	$27,077	$45,460	$1,157,960
21	$26,054	$46,483	$1,111,477
22	$25,008	$47,529	$1,063,948

23	$23,939	$48,598	$1,015,350
24	$22,845	$49,692	$965,659
25	$21,727	$50,810	$914,849
26	$20,584	$51,953	$862,896
27	$19,415	$53,122	$809,774
28	$18,220	$54,317	$755,457
29	$16,998	$55,539	$699,918
30	$15,748	$56,789	$643,129
31	$14,470	$58,067	$585,062
32	$13,164	$59,373	$525,689
33	$11,828	$60,709	$464,980
34	$10,462	$62,075	$402,905
35	$9,065	$63,472	$339,434
36	$7,637	$64,900	$274,534
37	$6,177	$66,360	$208,174
38	$4,684	$67,853	$140,321
39	$3,157	$69,380	$70,941
40	$1,596	$70,941	$0

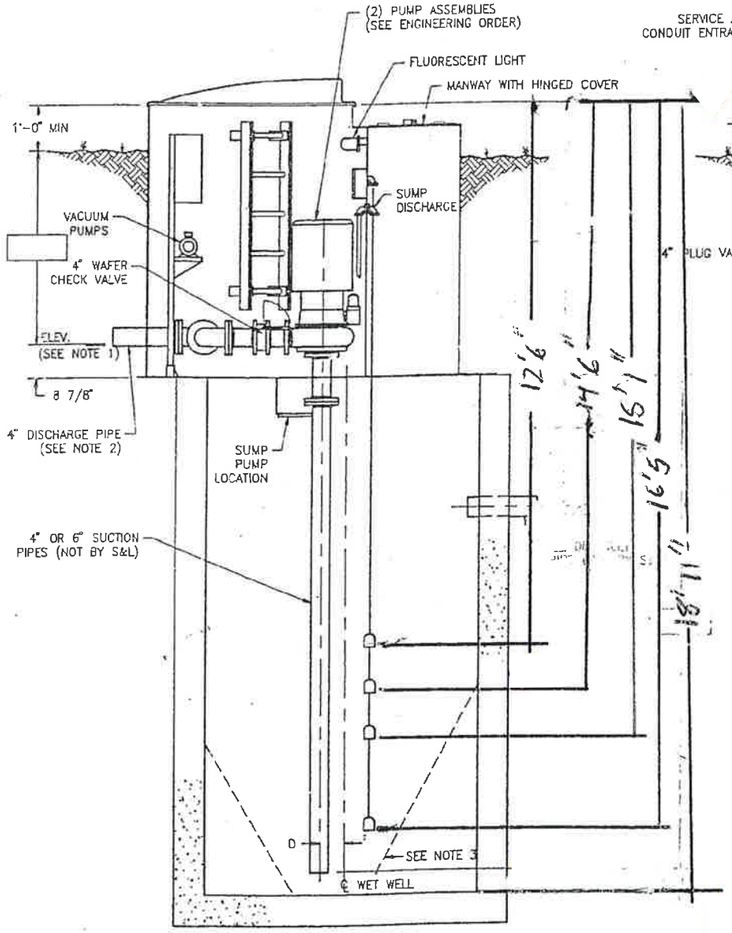
To determine the new PIF, estimated annual payments are divided by the growth assumptions supporting the capital planning element of the monthly user rate (30 residential units and two commercial taps per year). The $145,074 annual payment requires a base residential fee of $4,155 and over $20,000 in PIF revenues from the commercial sector. When rounded, the baseline PIF for a 5/8 inch tap totals $4,000. Larger taps fees are calculated using the ratio of the taps effective cross section, a common methodology used to calculate the past town PIF fees. For example, the 1.5 inch tap has an effective cross section area of 1.7671 inches which is 5.76 times greater than a 5/8 inch tap. The PIF for a 1.5 inch tap would be $4,000 x 5.76 = $23,000 when rounded. Figure 11 presents plant investment fees by tap size.

Figure 11 – PIF Fees

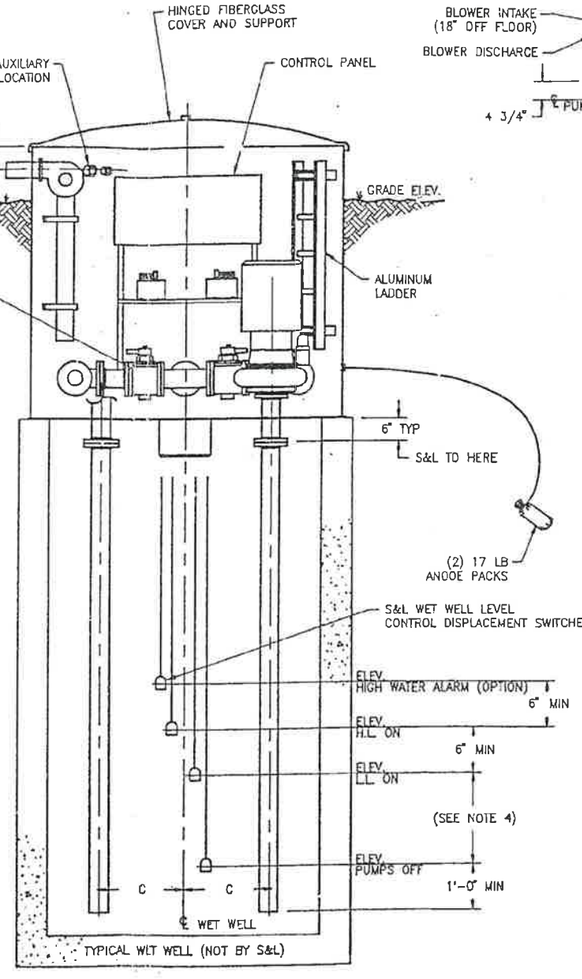
Tap Size	In-Town PIF
⅝ inch	$4,000
¾ inch	$5,700
1 inch	$10,200
1 ½ inch	$23,000
2 inch	$40,500
3 inch	$91,300

APPENDIX C – NORTH CREEK LIFT STATION DETAILS

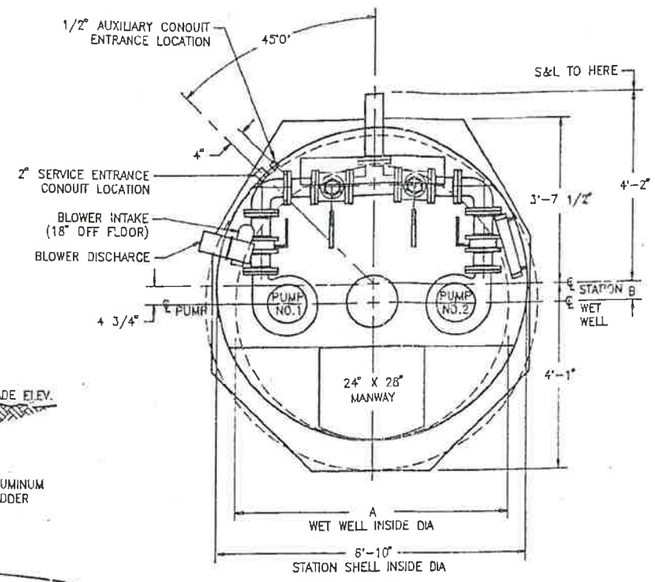
PUMPS	PUMP MOTOR MAXIMUM HP	A	B	C	D
4B2B 4C2B 4B2D 4C2D 4B2C	20	5'-0"	11"	22 1/2"	6 1/4"
		6'-0"	5"	22 1/2"	1/4"
4B3B 4C3B 4D3B	50	5'-0"	11"	20 1/2"	6 1/4"
		6'-0"	5"	20 1/2"	1/4"



CROSS SECTION



SECTIONAL ELEVATION



PLAN VIEW
(SHOWN LESS LIDS)

NOTES:

1. IF END OF DISCHARGE LINE IS BELOW ELEVATION OF DISCHARGE LINE AT POINT OF LEAVING STATION, CONSULT FACTORY.
2. IF DISCHARGE LINE IS LESS THAN 200 FEET IN LENGTH, A CHECK VALVE MAY BE REQUIRED – CONSULT FACTORY.
3. PROVIDE 60° SLOPE IN WET WELL, AS REQUIRED.
4. VOLUME IN GALLONS BETWEEN L.L. ON AND L.L. OFF SHOULD EQUAL PUMPING RATE IN GPM.
5. MAXIMUM CAPACITY – 400 GPM.
6. FOR CONCRETE DETAIL, SEE 87C126.
7.

87C311

SHEET 1 OF 1

LET	ECN NO	DATE	BY APPVD
B	N93-53	10/93	ALEX BCR
A	N93-3	1/93	ALEX MD
ORIGINAL ISSUE	N90-27		

DRAWN BY: ALEX — DATE: 04/24/90
CHECKED BY: DF — DATE: 05/08/90
APPROVED BY: SBM — DATE: 5/90
SCALE: NTS — CODE: 9
ALLOWABLE TOLERANCES — FRACTIONS: — — DECIMALS: — — ANGLES: —

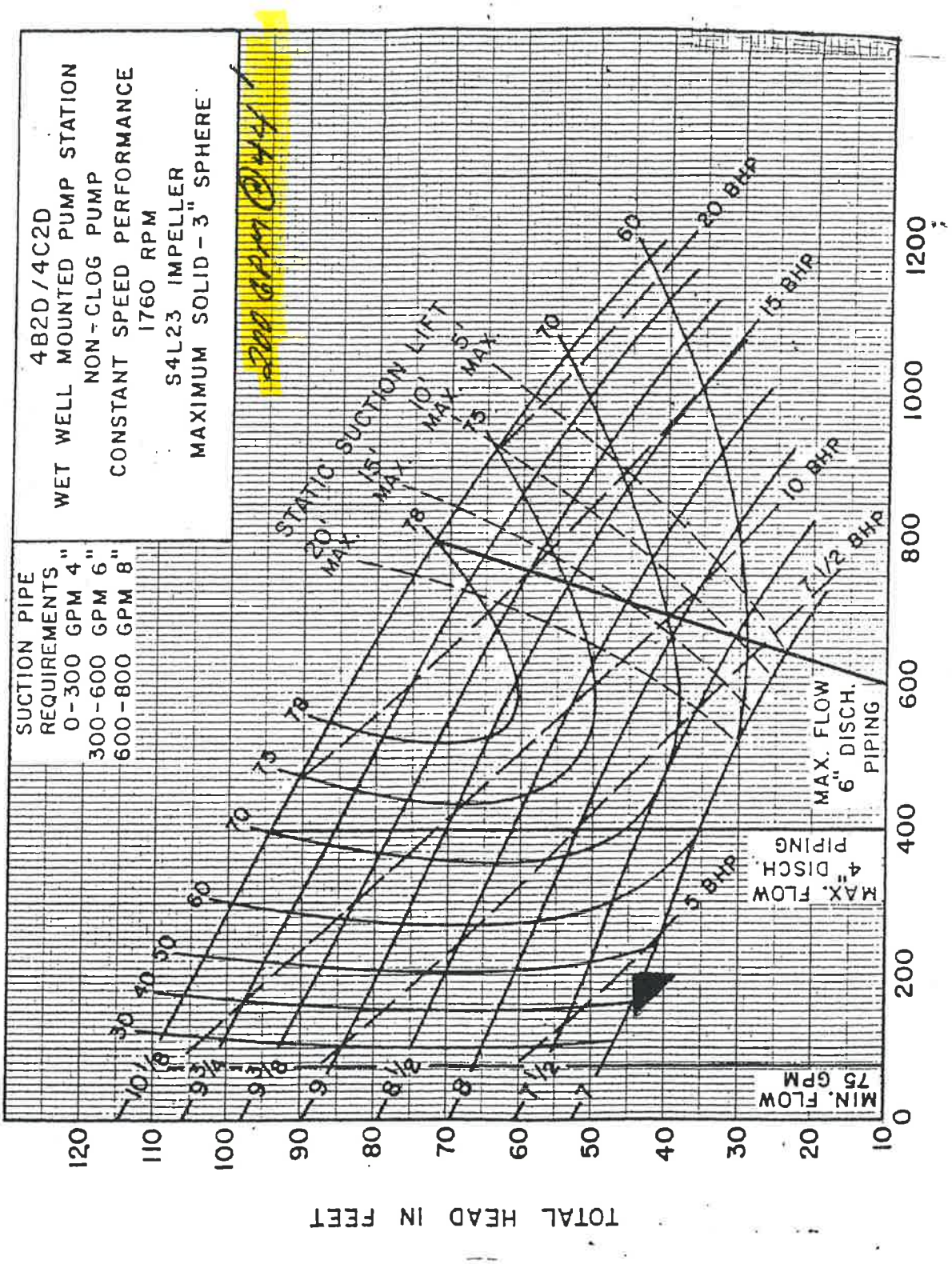
FOR
RECESSED WET WELL MOUNTED PUMP STATION 4" PIPING

SIZE | U/M EA | WT.
FILE NAME /A/SALES/87C311 | PLOT SCALE 1=24.000
SERIAL NO | DWG NO 87C311 | REV B

DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

Smith & Loveless, Inc.

PUMP PERFORMANCE CURVE



2-Pump Factory-Built WWMPS
Smith & Loveless, Inc. 1993©

APPENDIX D – FLOW AND LOADING CALCULATIONS

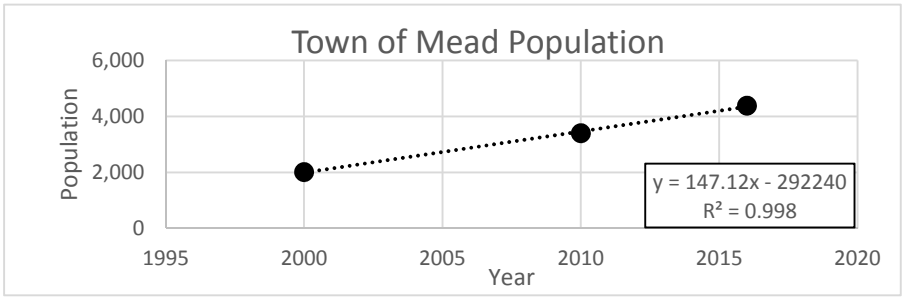
CONSULTING ENGINEERS

Job Name: Town of Mead
Watewater Master Plan
Job Number:1970.63c
Date: 1/25/2017
By: LAT

TOWN OF MEAD
Population and Flow Calculations
WWTF SCADA 2015 Data

Mead Population

2000 Census	**2,017**	people
2010 Census	**3,405**	people
2015 (Calculated from Linear Regression)	**4,207**	people
2016 (from Town Website)	**4,386**	people



Residential Parcels in Mead

2016 (from Town Website)	**1,486**	Households in Town

Calculated Total Number of People per Dwelling (2015 data)

2015 Population/Residential Parcels	**2.83**	Person/Dwelling in Town

Residential Dwellings Connected to Sanitary Sewer System

2015 Town Tap Data	**1,020**	Dwellings Connected to System

Population Connected to Sanitary Sewer System

Person/Dwelling x Dwellings to WWTF	**2,888**	People Connected to System

Town of Mead 2015 Calculated GPCD Flow

PLANTS SCADA Peak 30 Monthly Daily Flow for 2015 (June)	**165,000**	gal/day
Only Residential (Sub out Exist Commercial, LI, and School Flow	**154,000**	gal/day

*Exist Commerical and LI Winter Weather Avg Water Useage= 7,500 gal/day
*Exist School Winter Weather Avg Water Useage= 3,500gal/day

TOM 2015 gcpd Flow	**53.3**	gal/person/day
Industry Standard*	**75.0**	gal/person/day

*Wastewater Enigineering Treatment Resouce and recovery Metcalf and Eddy

Existing Plant Max Daily Flow	**500,000**	gal/day

Town of Mead 2015 Calculated BOD5/person/day Flow

SCADA Average of Available 2015 Monthly Data	**412**	lbs BOD5/day
TOM 2015 gcpd Loading	**0.143**	**lbs BOD5/person/day**
BOD5 Concentration	**320.8**	mg BOD5/L
Industry Standard for 75gpcd*	**300**	mg BOD5/L
Industry Standard*	**0.188**	**lbs BOD5/person/day**

*Wastewater Enigineering Treatment Resouce and recovery Metcalf and Eddy

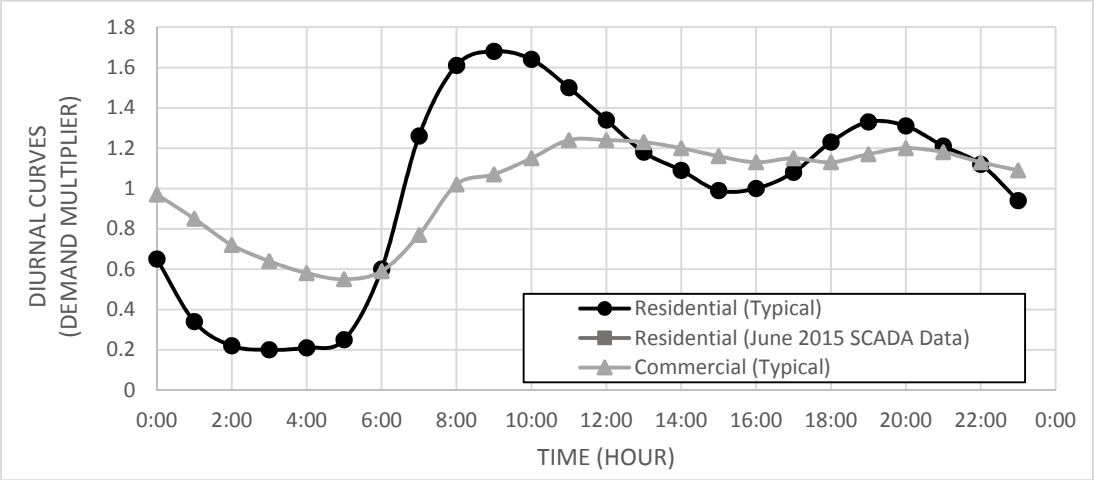
Existing Plant Max Loading	**1,286**	lbs BOD5/day

TOWN OF MEAD
EXISTING SANITARY SEWER SYSTEM
DIURNAL CURVES

Time	Residential (Typical)	Residential (June 2015 SCADA Data)	Commercial (Typical)	Adjusted Residential Typical to match plant flows
0:00	0.65		0.97	0.69
1:00	0.34		0.85	0.36
2:00	0.22		0.72	0.23
3:00	0.2		0.64	0.21
4:00	0.21		0.58	0.22
5:00	0.25		0.55	0.27
6:00	0.6		0.59	0.64
7:00	1.26		0.77	1.34
8:00	1.61		1.02	1.71
9:00	1.68		1.07	1.79
10:00	1.64		1.15	1.75
11:00	1.5		1.24	1.60
12:00	1.34		1.24	1.43
13:00	1.18		1.23	1.26
14:00	1.09		1.20	1.16
15:00	0.99		1.16	1.05
16:00	1		1.13	1.06
17:00	1.08		1.15	1.15
18:00	1.23		1.13	1.31
19:00	1.33		1.17	1.42
20:00	1.31		1.20	1.39
21:00	1.21		1.18	1.29
22:00	1.12		1.13	1.19
23:00	0.94		1.09	1.00
TOTAL	24.0	0.0	24.2	25.53

Peaking Factor

Residential Typical from WW Collection System Modeling and Design Book Haestad and Walski
Commercial Typical from SWMM Forum



TOWN OF MEAD WASTEWATER MASTER PLAN
WASTEWATER FLOW AND LOADING PROJECTIONS
BASED ON POPULATION PROJECTIONS EXISTING TOWN DATA (2.2% Growth Rate)

Year	Population Estimate (2.2%)	Population Connected to System	Number of Dwellings on System	Residential Flow Projection	Commercial Flow Projection	Total WW Flow Projection	Loading Projection
				(MGD)	(MGD)	(MGD)	(lbs BOD5/day)
2015[A, B]	4,207	2,888	1,020	0.154	0.011	0.165	412
2016[B]	4,386	3,067	1,084	0.163	0.060	0.223	439
2017	4,482	3,163	1,118	0.169	0.060	0.229	452
2018	4,581	3,262	1,153	0.174	0.060	0.234	466
2019	4,682	3,363	1,188	0.179	0.060	0.239	481
2020	4,785	3,466	1,225	0.185	0.060	0.245	496
2021	4,890	3,571	1,262	0.190	0.060	0.250	511
2022	4,998	3,679	1,300	0.196	0.060	0.256	526
2023	5,108	3,789	1,339	0.202	0.060	0.262	542
2024	5,220	3,901	1,378	0.208	0.060	0.268	558
2025	5,335	4,016	1,419	0.214	0.060	0.274	574
2026	5,452	4,133	1,461	0.220	0.060	0.280	591
2027	5,572	4,253	1,503	0.227	0.060	0.287	608
2028	5,695	4,376	1,546	0.233	0.060	0.293	626
2029	5,820	4,501	1,590	0.240	0.060	0.300	644
2030	5,948	4,629	1,636	0.247	0.060	0.307	662
2031	6,079	4,760	1,682	0.254	0.060	0.314	681
2032	6,213	4,894	1,729	0.261	0.060	0.321	700
2033	6,349	5,030	1,778	0.268	0.060	0.328	719
2034	6,489	5,170	1,827	0.276	0.060	0.336	739
2035	6,632	5,313	1,877	0.283	0.060	0.343	760
2036	6,778	5,459	1,929	0.291	0.060	0.351	781
2037	6,927	5,608	1,982	0.299	0.060	0.359	802
2038	7,079	5,760	2,035	0.307	0.060	0.367	824
2039	7,235	5,916	2,090	0.315	0.060	0.375	846
2040	7,394	6,075	2,147	0.324	0.060	0.384	869
2041	7,557	6,238	2,204	0.332	0.060	0.392	892
2042	7,723	6,404	2,263	0.341	0.060	0.401	916
2043	7,893	6,574	2,323	0.350	0.060	0.410	940
2044	8,067	6,748	2,384	0.360	0.060	0.420	965
2045	8,244	6,925	2,447	0.369	0.060	0.429	990
2046	8,425	7,106	2,511	0.379	0.060	0.439	1,016
2047	8,611	7,292	2,577	0.389	0.060	0.449	1,043
2048	8,800	7,481	2,644	0.399	0.060	0.459	1,070
2049	8,994	7,675	2,712	0.409	0.060	0.469	1,098
2050	9,192	7,873	2,782	0.420	0.060	0.480	1,126
2051	9,394	8,075	2,853	0.430	0.060	0.490	1,155
2052	9,601	8,282	2,926	0.441	0.060	0.501	1,184
2053	9,812	8,493	3,001	0.453	0.060	0.513	1,214
2054	10,028	8,709	3,077	0.464	0.060	0.524	1,245
2055	10,248	8,929	3,155	0.476	0.060	0.536	1,277

[A] Existing Data

[B] Population Known

80% Flow to Plant Reached

95% Flow to Plant Reached

80% lbs BOD5 to Plant Reached

95% lb BOD5 to Plant Reached

Assumptions:

1. Growth Rate 1 : 2.2% from last 8 years of Mead population data 2008-2016
2. 12% of MWWTF Reserved for Commercial/Industrial Flows (Mead Utility Report)
3. Assume all new population will connect to sewer system and not to Septic.
   Existing 1319 people on Septic will stay on Septic
4. Population Density per household = 2.83 people/dwelling
5. Flow gpcd: 53.3 gal/per/day. Calculated from Existing flow and population data.
6. Loading: 0.143 lbs BOD5/per/day. Calculated from Existing loading and population data.

Calculations

1. Projected Population Equation: $Y=(X)(1+n)^i$

Y=	Projected population
n=	Population growth rate in decimal form
X=	existing population
i=	years for projection (1 year)

2.

Plant Flow Capacity=	**0.500**	MGD
Total Available Flow to 80% of Plant Capacity=	**0.400**	MGD
Total Available Flow to 95% of Plant Capacity=	**0.475**	MGD

3.

Plant Loading Capacity=	**1,286**	lbs BOD5/day
Available Loading to 80% of Plant Capacity=	**1,029**	lbs BOD5/day
Available Loading to 95% of Plant Capacity=	**1,222**	lbs BOD5/day

TOWN OF MEAD WASTEWATER MASTER PLAN
WASTEWATER FLOW AND LOADING PROJECTIONS
BASED ON POPULATION PROJECTIONS INDUSTRY STANDARDS (2.2% Growth Rate)

Year	Population Estimate (2.2%)	Population Connected to System	Number of Dwellings on System	Residential Flow Projection	Commercial Flow Projection	Total WW Flow Projection	Loading Projection
				(MGD)	(MGD)	(MGD)	(lbs BOD5/day)
2015[A, B]	4,207	2,888	1,020	0.154	0.011	0.165	412
2016[B]	4,386	3,067	1,084	0.230	0.060	0.290	577
2017	4,482	3,163	1,118	0.237	0.060	0.297	595
2018	4,581	3,262	1,153	0.245	0.060	0.305	613
2019	4,682	3,363	1,188	0.252	0.060	0.312	632
2020	4,785	3,466	1,225	0.260	0.060	0.320	652
2021	4,890	3,571	1,262	0.268	0.060	0.328	671
2022	4,998	3,679	1,300	0.276	0.060	0.336	692
2023	5,108	3,789	1,339	0.284	0.060	0.344	712
2024	5,220	3,901	1,378	0.293	0.060	0.353	733
2025	5,335	4,016	1,419	0.301	0.060	0.361	755
2026	5,452	4,133	1,461	0.310	0.060	0.370	777
2027	5,572	4,253	1,503	0.319	0.060	0.379	800
2028	5,695	4,376	1,546	0.328	0.060	0.388	823
2029	5,820	4,501	1,590	0.338	0.060	0.398	846
2030	5,948	4,629	1,636	0.347	0.060	0.407	870
2031	6,079	4,760	1,682	0.357	0.060	0.417	895
2032	6,213	4,894	1,729	0.367	0.060	0.427	920
2033	6,349	5,030	1,778	0.377	0.060	0.437	946
2034	6,489	5,170	1,827	0.388	0.060	0.448	972
2035	6,632	5,313	1,877	0.398	0.060	0.458	999
2036	6,778	5,459	1,929	0.409	0.060	0.469	1,026
2037	6,927	5,608	1,982	0.421	0.060	0.481	1,054
2038	7,079	5,760	2,035	0.432	0.060	0.492	1,083
2039	7,235	5,916	2,090	0.444	0.060	0.504	1,112
2040	7,394	6,075	2,147	0.456	0.060	0.516	1,142
2041	7,557	6,238	2,204	0.468	0.060	0.528	1,173
2042	7,723	6,404	2,263	0.480	0.060	0.540	1,204
2043	7,893	6,574	2,323	0.493	0.060	0.553	1,236
2044	8,067	6,748	2,384	0.506	0.060	0.566	1,269
2045	8,244	6,925	2,447	0.519	0.060	0.579	1,302
2046	8,425	7,106	2,511	0.533	0.060	0.593	1,336
2047	8,611	7,292	2,577	0.547	0.060	0.607	1,371
2048	8,800	7,481	2,644	0.561	0.060	0.621	1,406
2049	8,994	7,675	2,712	0.576	0.060	0.636	1,443
2050	9,192	7,873	2,782	0.590	0.060	0.650	1,480
2051	9,394	8,075	2,853	0.606	0.060	0.666	1,518
2052	9,601	8,282	2,926	0.621	0.060	0.681	1,557
2053	9,812	8,493	3,001	0.637	0.060	0.697	1,597
2054	10,028	8,709	3,077	0.653	0.060	0.713	1,637
2055	10,248	8,929	3,155	0.670	0.060	0.730	1,679

[A] Existing Data

[B] Population Known

80% Flow to Plant Reached

95% Flow to Plant Reached

80% lbs BOD5 to Plant Reached

95% lb BOD5 to Plant Reached

Assumptions:

1	Growth Rate 1 : 2.2% from last 8 years of Mead population data 2008-2016
2	12% of MWWTF Reserved for Commercial/Industrial Flows (Mead Utility Report)
3	Assume all new population will connect to sewer system and not to Septic. Existing 1319 people on Septic will stay on Septic
4	Population Density per household = 2.83 people/dwelling
5	Flow gpcd: 75 gal/per/day. Industry Standard from CDPHE
6	Loading: 0.188 lbs BOD5/per/day. Industry Standard

Calculations

1 Projected Population Equation: $Y=(X)(1+n)^i$

Y=	Projected population
n=	Population growth rate in decimal form
X=	existing population
i=	years for projection (1 year)

2	Plant Flow Capacity=	**0.500** MGD
	Total Available Flow to 80% of Plant Capacity=	**0.400** MGD
	Total Available Flow to 95% of Plant Capacity=	**0.475** MGD
3	Plant Loading Capacity=	**1,286** lbs BOD5/day
	Available Loading to 80% of Plant Capacity=	**1,029** lbs BOD5/day
	Available Loading to 95% of Plant Capacity=	**1,222** lbs BOD5/day

TOWN OF MEAD WASTEWATER MASTER PLAN

WASTEWATER FLOW AND LOADING PROJECTIONS

BASED ON POPULATION PROJECTIONS EXISTING TOWN DATA (5.4% Growth Rate)

Year	Population Estimate (5.4%)	Population Connected to System	Number of Dwellings on System	Residential Flow Projection (MGD)	Commercial Flow Projection (MGD)	Total WW Flow Projection (MGD)	Loading Projection (lbs BOD5/day)
2015[A, B]	4,207	2,888	1,020	0.154	0.011	0.165	412
2016[B]	4,386	3,067	1,084	0.163	0.060	0.223	439
2017	4,623	3,304	1,167	0.176	0.060	0.236	472
2018	4,872	3,553	1,256	0.189	0.060	0.249	508
2019	5,136	3,817	1,349	0.203	0.060	0.263	546
2020	5,413	4,094	1,447	0.218	0.060	0.278	585
2021	5,705	4,386	1,550	0.234	0.060	0.294	627
2022	6,013	4,694	1,659	0.250	0.060	0.310	671
2023	6,338	5,019	1,774	0.268	0.060	0.328	718
2024	6,680	5,361	1,894	0.286	0.060	0.346	767
2025	7,041	5,722	2,022	0.305	0.060	0.365	818
2026	7,421	6,102	2,156	0.325	0.060	0.385	873
2027	7,822	6,503	2,298	0.347	0.060	0.407	930
2028	8,244	6,925	2,447	0.369	0.060	0.429	990
2029	8,690	7,371	2,604	0.393	0.060	0.453	1,054
2030	9,159	7,840	2,770	0.418	0.060	0.478	1,121
2031	9,653	8,334	2,945	0.444	0.060	0.504	1,192
2032	10,175	8,856	3,129	0.472	0.060	0.532	1,266
2033	10,724	9,405	3,323	0.501	0.060	0.561	1,345
2034	11,303	9,984	3,528	0.532	0.060	0.592	1,428
2035	11,914	10,595	3,744	0.565	0.060	0.625	1,515
2036	12,557	11,238	3,971	0.599	0.060	0.659	1,607
2037	13,235	11,916	4,211	0.635	0.060	0.695	1,704
2038	13,950	12,631	4,463	0.673	0.060	0.733	1,806
2039	14,703	13,384	4,729	0.713	0.060	0.773	1,914
2040	15,497	14,178	5,010	0.756	0.060	0.816	2,027
2041	16,334	15,015	5,306	0.800	0.060	0.860	2,147
2042	17,216	15,897	5,617	0.847	0.060	0.907	2,273
2043	18,145	16,826	5,946	0.897	0.060	0.957	2,406
2044	19,125	17,806	6,292	0.949	0.060	1.009	2,546
2045	20,158	18,839	6,657	1.004	0.060	1.064	2,694
2046	21,246	19,927	7,042	1.062	0.060	1.122	2,850
2047	22,394	21,075	7,447	1.123	0.060	1.183	3,014
2048	23,603	22,284	7,874	1.188	0.060	1.248	3,187
2049	24,878	23,559	8,325	1.256	0.060	1.316	3,369
2050	26,221	24,902	8,799	1.327	0.060	1.387	3,561
2051	27,637	26,318	9,300	1.403	0.060	1.463	3,763
2052	29,129	27,810	9,827	1.482	0.060	1.542	3,977
2053	30,702	29,383	10,383	1.566	0.060	1.626	4,202
2054	32,360	31,041	10,969	1.654	0.060	1.714	4,439
2055	34,108	32,789	11,586	1.748	0.060	1.808	4,689

[A] Existing Data

[B] Population Known

80% Flow to Plant Reached

95% Flow to Plant Reached

80% lbs BOD5 to Plant Reached

95% lb BOD5 to Plant Reached

Assumptions:

1. Growth Rate: 5.4% from 2000 and 2010 Census Data
2. 12% of MWWTF Reserved for Commercial/Industrial Flows (Mead Utility Report)
3. Assume all new population will connect to sewer system and not to Septic.
   Existing 1319 people on Septic will stay on Septic.
4. Population Density per household = 2.83 people/dwelling
5. Flow gpcd: 53.3 gal/per/day. Calculated from Existing flow and population data.
6. Loading: 0.143 lbs BOD5/per/day. Calculated from Existing loading and population data.

Calculations

1. Projected Population Equation: $Y=(X)(1+n)^i$

Y=	Projected population
n=	Population growth rate in decimal form
X=	existing population
i=	years for projection (1 year)

2. Plant Flow Capacity= **0.500** MGD
   Total Available Flow to 80% of Plant Capacity= **0.400** MGD
   Total Available Flow to 95% of Plant Capacity= **0.475** MGD

3. Plant Loading Capacity= **1,286** lbs BOD5/day
   Available Loading to 80% of Plant Capacity= **1,029** lbs BOD5/day
   Available Loading to 95% of Plant Capacity= **1,222** lbs BOD5/day

TOWN OF MEAD WASTEWATER MASTER PLAN

WASTEWATER FLOW AND LOADING PROJECTIONS

BASED ON POPULATION PROJECTIONS INDUSTRY STANDARDS (5.4% Growth Rate)

Year	Population Estimate (5.4%)	Population Connected to System	Number of Dwellings on System	Residential Flow Projection (MGD)	Commercial Flow Projection (MGD)	Total WW Flow Projection (MGD)	Loading Projection (lbs BOD5/day)
2015[A, B]	4,207	2,888	1,020	0.154	0.011	0.165	412
2016[B]	4,386	3,067	1,084	0.230	0.060	0.290	577
2017	4,623	3,304	1,167	0.248	0.060	0.308	621
2018	4,872	3,553	1,256	0.267	0.060	0.327	668
2019	5,136	3,817	1,349	0.286	0.060	0.346	718
2020	5,413	4,094	1,447	0.307	0.060	0.367	770
2021	5,705	4,386	1,550	0.329	0.060	0.389	825
2022	6,013	4,694	1,659	0.352	0.060	0.412	883
2023	6,338	5,019	1,774	0.376	0.060	0.436	944
2024	6,680	5,361	1,894	0.402	0.060	0.462	1,008
2025	7,041	5,722	2,022	0.429	0.060	0.489	1,076
2026	7,421	6,102	2,156	0.458	0.060	0.518	1,147
2027	7,822	6,503	2,298	0.488	0.060	0.548	1,223
2028	8,244	6,925	2,447	0.519	0.060	0.579	1,302
2029	8,690	7,371	2,604	0.553	0.060	0.613	1,386
2030	9,159	7,840	2,770	0.588	0.060	0.648	1,474
2031	9,653	8,334	2,945	0.625	0.060	0.685	1,567
2032	10,175	8,856	3,129	0.664	0.060	0.724	1,665
2033	10,724	9,405	3,323	0.705	0.060	0.765	1,768
2034	11,303	9,984	3,528	0.749	0.060	0.809	1,877
2035	11,914	10,595	3,744	0.795	0.060	0.855	1,992
2036	12,557	11,238	3,971	0.843	0.060	0.903	2,113
2037	13,235	11,916	4,211	0.894	0.060	0.954	2,240
2038	13,950	12,631	4,463	0.947	0.060	1.007	2,375
2039	14,703	13,384	4,729	1.004	0.060	1.064	2,516
2040	15,497	14,178	5,010	1.063	0.060	1.123	2,665
2041	16,334	15,015	5,306	1.126	0.060	1.186	2,823
2042	17,216	15,897	5,617	1.192	0.060	1.252	2,989
2043	18,145	16,826	5,946	1.262	0.060	1.322	3,163
2044	19,125	17,806	6,292	1.335	0.060	1.395	3,348
2045	20,158	18,839	6,657	1.413	0.060	1.473	3,542
2046	21,246	19,927	7,042	1.495	0.060	1.555	3,746
2047	22,394	21,075	7,447	1.581	0.060	1.641	3,962
2048	23,603	22,284	7,874	1.671	0.060	1.731	4,189
2049	24,878	23,559	8,325	1.767	0.060	1.827	4,429
2050	26,221	24,902	8,799	1.868	0.060	1.928	4,682
2051	27,637	26,318	9,300	1.974	0.060	2.034	4,948
2052	29,129	27,810	9,827	2.086	0.060	2.146	5,228
2053	30,702	29,383	10,383	2.204	0.060	2.264	5,524
2054	32,360	31,041	10,969	2.328	0.060	2.388	5,836
2055	34,108	32,789	11,586	2.459	0.060	2.519	6,164

[A] Existing Data

[B] Population Known

80% Flow to Plant Reached

95% Flow to Plant Reached

80% lbs BOD5 to Plant Reached

95% lb BOD5 to Plant Reached

Assumptions:

1. Growth Rate: 5.4% from 2000 and 2010 Census Data
2. 12% of MWWTF Reserved for Commercial/Industrial Flows (Mead Utility Report)
3. Assume all new population will connect to sewer system and not to Septic.
   Existing 1319 people on Septic will stay on Septic.
4. Population Density per household = 2.83 people/dwelling
5. Flow gpcd: 75 gal/per/day. Industry Standard
6. Loading: 0.188 lbs BOD5/per/day. Industry Standard

Calculations

1. Projected Population Equation: $Y=(X)(1+n)^i$

Y=	Projected population
n=	Population growth rate in decimal form
X=	existing population
i=	years for projection (1 year)

2	Plant Flow Capacity=	**0.500** MGD
	Total Available Flow to 80% of Plant Capacity=	**0.400** MGD
	Total Available Flow to 95% of Plant Capacity=	**0.475** MGD

3	Plant Loading Capacity=	**1,286** lbs BOD5/day
	Available Loading to 80% of Plant Capacity=	**1,029** lbs BOD5/day
	Available Loading to 95% of Plant Capacity=	**1,222** lbs BOD5/day

CONSULTING ENGINEERS

Job Name: Town of Mead
Sanitary Sewer Master Plan
Job Number:1970.63c
Date: 1/27/2017
By:LAT

WASTEWATER MASTER PLAN
TOWN OF MEAD
WASTEWATER BUILD-OUT FLOW AND LOADING PROJECTIONS

Development	Potential 10-Year Growth	Total Acreage	Acreage Developed	Dwellings	People	Flow - Existing Town Flow	Flow - Industry Standard
		(acres)	(acres)	(units)	(people)	(gal/day)	(gal/day)
Residential Single Family - Estate							
RSF-E-1: Westridge - Part	Yes	53	40	20	56	3,004	4,226
RSF-E-2: Existing Subdivision 5 Lots Left	Yes			5	14	754	1,061
RSF-E-3: Existing Subdivision 3 Lots Left	Yes			3	8	453	637
RSF-E-1S: Existing Septic		82	62	31	87	4,638	6,527
RSF-E-2S: Existing Septic		153	115	57	162	8,654	12,178
Residential Single Family-1							
RSF-1-1: Rangeview Estates	Yes	162		73.0	207	11,011	15,494
RSF-1-2: Existing Subdivision 22 Lots Left	Yes			22.0	62	3,318	4,670
RSF-1-3		110	83	82.6	234	12,456	17,527
RSF-1-4		32	24	24.0	68	3,620	5,094
RSF-1-5		7	5	5.2	15	781	1,098
RSF-1-1S: Existing Septic		67	50	49.9	141	7,523	10,586
RSF-1-2S: Existing Septic		163	122	122.4	346	18,463	25,979
RSF-1-3S: Existing Septic		163	122	122.4	346	18,463	25,979
Residential Single Family-4							
RSF-4-1: Margil II	Yes	181		480	1,358	72,403	101,880
RSF-4-2: Welker Farms	Yes	26		130	368	19,609	27,593
RSF-4-3: Westridge - Part	Yes	71		270	764	40,727	57,308
RSF-4-4: Mead Place (only 37% in 208)	Yes	57		110	311	16,592	23,348
RSF-4-5: Coyote Run East	Yes	60		240	679	36,201	50,940
RSF-4-6: Mead Village	Yes	149		395	1,118	59,581	83,839
RSF-4-7: East of Mead Village	Yes	41	31	124	351	18,734	26,361
RSF-4-8: Existing Subdivision 28 Lots Left	Yes	116		28	79	4,223	5,943
RSF-4-9		86	65	259	734	39,097	55,015
RSF-4-10		193	145	579	1,639	87,336	122,893
RSF-4-11		77	58	230	651	34,708	48,839
RSF-4-12		162	122	486	1,375	73,308	103,154
RSF-4-13		117	88	352	995	53,035	74,627
RSF-4-14		18	14	55	155	8,236	11,589
RSF-4-15		49	37	147	417	22,219	31,264
RSF-4-16		51	38	152	429	22,852	32,156
RSF-4-17		123	92	369	1,044	55,660	78,320
RSF-4-18		161	121	482	1,365	72,765	102,389
Residential Single Family-8							
RSF-8-1: Mead Place MF	Yes	33		240	679	36,201	50,940
RSF-8-2		14	10	83	234	12,489	17,574
Downtown Mixed Use							
DMU-1	Yes	15	11	34	97	5,159	7,259
TOTAL RESIDENTIAL:				**5,862**	**16,590**	**884,273**	**1,244,286**

CONSULTING ENGINEERS

Job Name: Town of Mead
Sanitary Sewer Master Plan
Job Number:1970.63c
Date: 1/27/2017
By:LAT

Development	Potential 10-Year Growth	Total Acreage (acres)	Acreage Developed (acres)	Dwellings (units)	People (people)	Flow - Existing Town Flow (gal/day)	Flow - Industry Standard (gal/day)
General Commercial							
GC-1: Westridge - Part	Yes	91	82			163,800	163,800
GC-2: Mead Place - Part	Yes	18	16			31,680	31,680
GC-3		178	160			320,040	320,040
GC-4		20	18			35,100	35,100
GC-1S: Existing Septic		23	21			41,400	41,400
Highway Commercial							
HC-1: Mead Place - Part	Yes	174	156			312,660	312,660
HC-2: Westridge - Part	Yes	87	78			156,060	156,060
HC-3		33	30			60,120	60,120
HC-5		28	25			50,220	50,220
HC-6		5	5			9,180	9,180
HC-7		22	19			38,700	38,700
HC-8		59	53			106,200	106,200
HC-9		56	50			100,620	100,620
HC-10		116	105			209,160	209,160
HC-11		66	59			118,620	118,620
HC-12		22	20			39,240	39,240
HC-13		12	10			20,880	20,880
HC-14		5	5			9,360	9,360
HC-1S: Existing Septic		23	21			41,580	41,580
Light Industrial							
LI-1		15	14			14,175	14,175
LI-1S: Existing Septic		86	77			80,798	80,798
TOTAL 10-YEAR PROJECTED GROWTH in Town Limits and 2(		**1,202**	**403**	**2,112**	**5,977**	**982,789**	**1,112,496**
TOTAL BUILD-OUT TO TOWN LIMITS WITHIN EXIST 208 BOUI		**3,929**	**2,476**	**11,725**	**33,181**	**3,728,138**	**4,448,165**
*see separate flow summary		**101**	**90**	**0**	**0**	**94,973**	**94,973**

Assumptions:

For all areas with an unkown number of units or building square footage:

1. **Residential Single Family - Estate:** 1/2 units/acres
2. **Residential Single Family-1:** 1 unit/acre
3. **Residential Single Family-4:** 4 unit/acre
4. **Residential Single Family-8:** 8 unit/acre
5. **Downtown Mixed Use:** from Exist data 39 dwellings/13 acres
6. **General Commercial/Highway Commercial:** 2,000 gpd/acre (Town of Mead)
7. **Light Industrial:** 1,050 (Town of Mead- Exist Boulder Scientific 5.6 acres at 5900gal/day)
8. **Residential:** 2.83 person/dwelling
9. **Residential:** 53.3 gal/person/day
   (Used Peak Monthly 30 Day Avg Flow: June = 165,000 gal/day - 7,500 Comm/LI Pptys - 3,500 School= 154,000gal/day)
10. I/I flows are included in residential gal/person/day flow
11. **Industry Standard Flow=** 75 gpcd from CDPHE
12. 25% of Residential total acreage will be roads/open space
13. 10% of Commercial/Industrial Area will be roads/open space

APPENDIX E – LTWWTF ALTERNATIVE OPC DETAILS

CONSULTING ENGINEERS

Job Name: Mead WWMP
Job Number: 1970.63c
Date: 4/5/17
By: JPM

OPINION OF PROBABLE COST
FOR
Alternative 1: Lake Thomas Lift Station and Forcemain to MWWTF
Mead Wastewater Master Plan

Description	Quantity	Units	Unit Cost	Total Cost
Division 00 and 01 - General Conditions and Requirements				
Mobilization/Demobilization	1	LS	$35,000	$35,000
General Conditions	1	LS	$20,000	$20,000
				$0
			General Requirements Subtotal	**$55,000**
Division 02 - Sitework				
Erosion Control	1	LS	$6,000	$6,000
Demolition of existing lift station	1	LS	$5,000	$5,000
Excavation / Fill	1	LS	$15,000	$15,000
Site Grading	1	LS	$12,000	$12,000
Existing Lagoon Cleaning, Abandonment and Decomissioning	1	LS	$21,000	$21,000
8" gravity sewer connection	240	LF	$90	$21,600
4" Sanitary Forcemain	9000	LF	$35	$315,000
Seeding	9000	LF	1.00	$9,000
			Sitework Subtotal	**$404,600**
Division 03 - Concrete				
Concrete		CY		$0
Precast Manholes	1	EA	$6,500	$6,500
Precast Lift Station Wet Well (Included w/ LS)				$0
			Concrete Subtotal	**$6,500**
Division 11 - Equipment				
Packaged Lift Station and Valve Vaullt	1	EA	$45,000	$67,500
				$0
				$0
			Equipment Subtotal	**$67,500**
Division 16 - Electrical				
Electrical including Standby Gen Set	1	LS	$50,000	$50,000
Instrumentation and Controls	1	LS	$10,000	$10,000
				$0
			Electrical Subtotal	**$60,000**

Subtotal	**$593,600**
Contingency (15%)	$89,000
Contractor's OH&P (10%)	$68,000
Engineering, Permitting and Design (10% or fixed fee)	$75,000
Bidding and Construction Administration (5% or fixed fee)	$37,530
Administrative and Legal (5%)	$38,000
Project Total	**$901,130**
Construction Costs	**$789,000**

OPERATION AND MAINTENANCE COSTS

		Alternative 1	
Year	**n**	**Annual Cost**	**2015 PW**
2015	0	$ 19,400	$ 19,400
2016	1	$ 19,800	$ 19,279
2017	2	$ 20,300	$ 19,247
2018	3	$ 20,800	$ 19,202
2019	4	$ 21,200	$ 19,057
2020	5	$ 21,700	$ 18,994
2021	6	$ 22,200	$ 18,920
2022	7	$ 22,700	$ 18,838
2023	8	$ 23,300	$ 18,827
2024	9	$ 23,800	$ 18,726
2025	10	$ 24,400	$ 18,693
2026	11	$ 24,900	$ 18,575
2027	12	$ 25,500	$ 18,522
2028	13	$ 26,100	$ 18,460
2029	14	$ 26,700	$ 18,388
2030	15	$ 27,300	$ 18,307
2031	16	$ 27,900	$ 18,217
2032	17	$ 28,600	$ 18,183
2033	18	$ 29,200	$ 18,077
2034	19	$ 29,900	$ 18,023
2035	20	$ 30,600	$ 17,960
		20 Year O&M (2015PW) =	**$ 391,900**

Annual O&M Costs	**Alternative A**
Labor	$16,000
Power	$1,900
Repairs	$1,500
	$0
Annual Subtotal	$19,400
Other O&M Costs	
5 year Replacement Cost	$0
10 year Replacement Costs	$0

Given:

Energy = $ 0.08 /kwh

Inflation (I) = 2.3%

Interest (i) = 2.70%

FORMULAS

Annual Cost = (Sum of O&M items) x $(1 + I)^{n}$

Present Worth = (Annual Cost) x $(1 + i)^{-n}$

NOTES

Inflation Rate: value as indicated at http://www.bls.gov/news.release/cpi.nr0.htm . "Over the last 12 months, the index increased 2.3 percent before seasonal adjustment"

Interest Rate: According to USDA The "real" federal discount rate from Appendix C of OMB Circular A-94 should be used for determining the present worth of the uniform series of O & M values ; see: www.whitehouse.gov/omb/circulars/a094/a94_appx-c.html. As of May 3, 2010

CONSULTING ENGINEERS

Job Name: Mead WWMP
Job Number: 1970.63c
Date: 4/5/17
By: JPM

OPINION OF PROBABLE COST
FOR
Alternative 2: Lake Thomas Lift Station and Forcemain to SVSD
Mead Wastewater Master Plan

Description	Quantity	Units	Unit Cost	Total Cost
Division 00 and 01 - General Conditions and Requirements				
Mobilization/Demobilization	1	LS	$25,000	$25,000
General Conditions	1	LS	$17,000	$17,000
				$0
			General Requirements Subtotal	**$42,000**
Division 02 - Sitework				
Erosion Control	1	LS	$3,000	$3,000
Demolition of existing lift station	1	LS	$5,000	$5,000
Excavation / Fill	1	LS	$15,000	$15,000
Site Grading	1	LS	$12,000	$12,000
Existing Lagoon Cleaning, Abandonment and Decomissioning	1	LS	$21,000	$21,000
8" gravity sewer connection	240	LF	$90	$21,600
4" Sanitary Forcemain	4000	LF	$25	$100,000
Seeding	1250	AC	1.00	$1,300
			Sitework Subtotal	**$178,900**
Division 03 - Concrete				
Concrete		CY		$0
Precast Manholes	1	EA	$6,500	$6,500
Precast Lift Station Wet Well (included with LS)				$0
			Concrete Subtotal	**$6,500**
Division 11 - Equipment				
Packaged Lift Station and Valve Vaullt	1	EA	$25,000	$37,500
Vertical Turbine Pumps	1	EA		$0
				$0
			Equipment Subtotal	**$37,500**
Division 14 - Hoists				
Lifting Hoist	1	EA	$2,100	$2,520
Davit Crane	1	EA		$0
			Hoists Subtotal	**$2,520**
Division 16 - Electrical				
Electrical including Standby Gen Set	1	LS	$25,000	$25,000
Instrumentation and Controls	1	LS	$7,500	$7,500
				$0
			Electrical Subtotal	**$32,500**

Subtotal	**$299,920**
Contingency (15%)	$45,000
Contractor's OH&P (10%)	$34,000
Engineering, Permitting and Design (10% or fixed fee)	$38,000
Bidding and Construction Administration (5% or fixed fee)	$18,946
Administrative and Legal (5%)	$19,000
Project Total	**$454,866**
Construction Costs	**$398,000**

OPERATION AND MAINTENANCE COSTS

		Alternative 2	
Year	**n**	**Annual Cost**	**2015 PW**
2015	0	$ 15,400	$ 15,400
2016	1	$ 15,800	$ 15,385
2017	2	$ 16,100	$ 15,265
2018	3	$ 16,500	$ 15,233
2019	4	$ 16,900	$ 15,192
2020	5	$ 17,300	$ 15,142
2021	6	$ 17,700	$ 15,085
2022	7	$ 18,100	$ 15,021
2023	8	$ 18,500	$ 14,949
2024	9	$ 18,900	$ 14,871
2025	10	$ 19,300	$ 14,786
2026	11	$ 19,800	$ 14,770
2027	12	$ 20,200	$ 14,673
2028	13	$ 20,700	$ 14,640
2029	14	$ 21,200	$ 14,600
2030	15	$ 21,700	$ 14,551
2031	16	$ 22,200	$ 14,495
2032	17	$ 22,700	$ 14,432
2033	18	$ 23,200	$ 14,362
2034	19	$ 23,700	$ 14,286
2035	20	$ 24,300	$ 14,263
		20 Year O&M (2017PW) =	**$ 311,400**

Annual O&M Costs	**Alternative A**
Labor	$13,000
Power	$1,100
Repairs	$1,300
	$0
Annual Subtotal	$15,400
Other O&M Costs	
5 year Replacement Cost	$0
10 year Replacement Costs	$0

Given:

Energy =	$ 0.08	/kwh
Inflation (I) =	2.3%	
Interest (i) =	2.70%	

FORMULAS

Annual Cost = (Sum of O&M items) x $(1 + I)^{n}$

Present Worth = (Annual Cost) x $(1 + i)^{-n}$

NOTES

Inflation Rate: value as indicated at http://www.bls.gov/news.release/cpi.nr0.htm . "Over the last 12 months, the index increased 2.3 percent before seasonal adjustment"

Interest Rate: According to USDA The “real” federal discount rate from Appendix

CONSULTING ENGINEERS

Job Name: Mead WWMP
Job Number: 1970.63c
Date: 3/22/17
By: JPM

OPINION OF PROBABLE COST
FOR
Alternative 3: Lake Thomas WW Holding Cell and Liquid Hauling
Mead Wastewater Master Plan

Description	Quantity	Units	Unit Cost	Total Cost
Division 00 and 01 - General Conditions and Requirements				
Mobilization/Demobilization	1	LS	$20,000	$20,000
General Conditions	1	LS	$12,000	$12,000
				$0
			General Requirements Subtotal	**$32,000**
Division 02 - Sitework				
Erosion Control	1	LS	$1,500	$1,500
Demolition of existing lift station	1	LS	$6,000	$6,000
Excavation / Fill	1	LS		$0
Site Grading and Lagoon Liner	1	LS	$75,000	$75,000
Existing Lagoon Cleaning	1	LS	$12,000	$12,000
8" gravity sewer connection		LF		$0
4" Sanitary Forcemain		LF		$0
Seeding	0.5	AC	2,500.00	$1,300
			Sitework Subtotal	**$95,800**
Division 11 - Equipment				
Packaged Lift Station and Valve Vaullt (Grinder Pumps)	1	EA	$25,000	$37,500
				$0
				$0
			Equipment Subtotal	**$37,500**
Division 16 - Electrical				
Electrical including Standby Gen Set	1	LS	$40,000	$40,000
Instrumentation and Controls	1	LS	$10,000	$10,000
				$0
			Electrical Subtotal	**$50,000**

Subtotal	**$215,300**
Contingency (15%)	$32,000
Contractor's OH&P (10%)	$25,000
Engineering, Permitting and Design (10% or fixed fee)	$27,000
Bidding and Construction Administration (5% or fixed fee)	$13,615
Administrative and Legal (5%)	$14,000
Project Total	**$326,915**
Construction Costs	**$286,000**

CONSULTING ENGINEERS

Job Name: Mead WWMP
Job Number: 1970.63c
Date: 3/22/17
By: JPM

OPERATION AND MAINTENANCE COSTS

		Alternative A	
Year	**n**	**Annual Cost**	**2015 PW**
2015	0	$ 32,900	$ 32,900
2016	1	$ 33,700	$ 32,814
2017	2	$ 34,400	$ 32,615
2018	3	$ 35,200	$ 32,496
2019	4	$ 36,000	$ 32,361
2020	5	$ 36,900	$ 32,298
2021	6	$ 37,700	$ 32,131
2022	7	$ 38,600	$ 32,033
2023	8	$ 39,500	$ 31,918
2024	9	$ 40,400	$ 31,787
2025	10	$ 41,300	$ 31,641
2026	11	$ 42,300	$ 31,555
2027	12	$ 43,200	$ 31,379
2028	13	$ 44,200	$ 31,261
2029	14	$ 45,200	$ 31,128
2030	15	$ 46,300	$ 31,047
2031	16	$ 47,300	$ 30,884
2032	17	$ 48,400	$ 30,771
2033	18	$ 49,500	$ 30,643
2034	19	$ 50,700	$ 30,561
2035	20	$ 51,800	$ 30,403
		20 Year O&M (2015PW) =	**$ 664,600**

Annual O&M Costs	**Alternative A**
Labor	$10,000
Power	$900
Repairs	$1,000
Contract Hauling / Sludge Removal	$21,000
Annual Subtotal	$32,900
Other O&M Costs	
5 year Replacement Cost	$0
10 year Replacement Costs	$0

Given:

Energy =	$ 0.08	/kwh
Inflation (I) =	2.3%	
Interest (i) =	2.70%	

FORMULAS

Annual Cost = (Sum of O&M items) x $(1 + I)^{n}$

Present Worth = (Annual Cost) x $(1 + i)^{-n}$

NOTES

Inflation Rate: value as indicated at http://www.bls.gov/news.release/cpi.nr0.htm . "Over the last 12 months, the index increased 2.3 percent before seasonal adjustment"

Interest Rate: According to USDA The “real” federal discount rate from

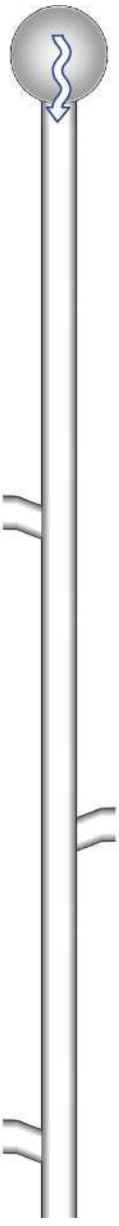
APPENDIX F – TOWN OF MEAD CCTV REPORT FILES FOR DEFECTIVE PIPES

InspectIT
4921 Alexander Blvd
Albuquerque, NM
505-341-0109

Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
MII-30	**MEAD**	**HOMESTEAD DR**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
MII-30			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-31	**301.2**		**8**	**8**		

SPR **N/A**	MPR **N/A**	PO Number		Customer	
SPRI **N/A**	MPRI **N/A**	Work Order		Purpose	
QSR **N/A**	QMR **N/A**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
N/A	**Tom**	**Downstream**	**20121016**	**2012**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
N/A	**U-109-7985**	**Jetting**	**13:11**	**Dry**	
Date Cleaned			End Time	Additional Info	
			13:24		



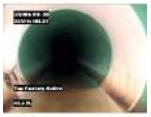
0.0 ft. Access Point Manhole

0.0 ft. Water Level

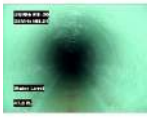
23.3 ft. Tap Factory Made Active

42.2 ft. Water Level

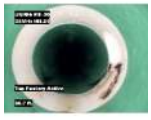
43.5 ft. Tap Factory Made Active



47.9 ft. Water Level



88.7 ft. Tap Factory Made Active



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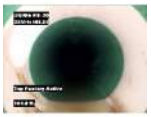
Defect Listing Plot with Images

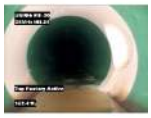
Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
MII-30	**MEAD**	**HOMESTEAD DR**	**PolyVinyl Chloride**		**Sanitary**
Upstream MH	Total Length	Year Laid	Shape	Location Details	
MII-30			**Circular**		
DS Manhole	Length surveyed	Year Renew...	Height / Width	Pipe Joint...	
MII-31	**301.2**		**8** / **8**		

SPR **N/A**	MPR **N/A**	PO Number		Customer	
SPRI **N/A**	MPRI **N/A**	Work Order		Purpose	**Routine Assessment**
QSR **N/A**	QMR **N/A**				
OPR	Surveyed By	Direction	Date	Media label	
N/A	**Tom**	**Downstream**	**20121016**	**2012**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
N/A	**U-109-7985**	**Jetting**	**13:11**	**Dry**	
Date Cleaned			End Time	Additional Info	
			13:24		

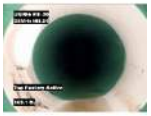
104.0 ft. Tap Factory Made Active



152.4 ft. Tap Factory Made Active



169.1 ft. Tap Factory Made Active

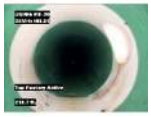


183.1 ft. Water Level

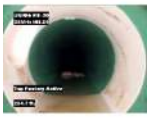
198.4 ft. Water Level

214.8 ft. Water Level

218.7 ft. Tap Factory Made Active



234.7 ft. Tap Factory Made Active



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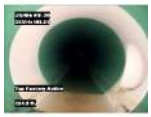
Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
MII-30	**MEAD**	**HOMESTEAD DR**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
MII-30			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-31	**301.2**		**8**	**8**		

SPR **N/A**	MPR **N/A**	PO Number		Customer	
SPRI **N/A**	MPRI **N/A**	Work Order		Purpose	
QSR **N/A**	QMR **N/A**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
N/A	**Tom**	**Downstream**	**20121016**	**2012**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
N/A	**U-109-7985**	**Jetting**	**13:11**	**Dry**	
Date Cleaned			End Time	Additional Info	
			13:24		

284.8 ft. Tap Factory Made Active



294.9 ft. Tap Factory Made Active

301.2 ft. Access Point Manhole

MII-31

MII-31

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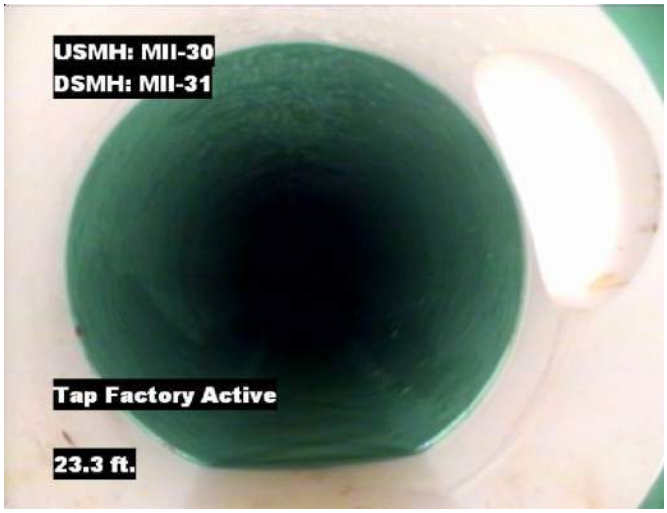
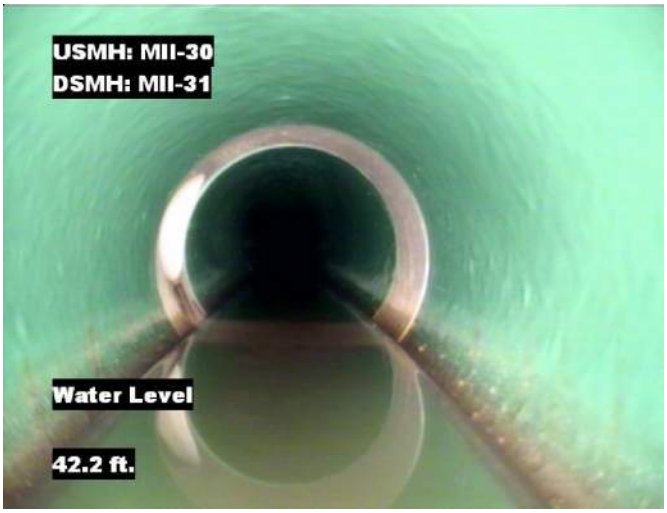
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
MII-30	**MEAD**	**HOMESTEAD DR**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
MII-30			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-31	**301.2**		**8**	**8**		

Distance: 0.0 ft. **Grade:** N/A
Condition: Access Point Manhole
Remarks: MII-30

Distance: 0.0 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A



Distance: 23.3 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 42.2 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A

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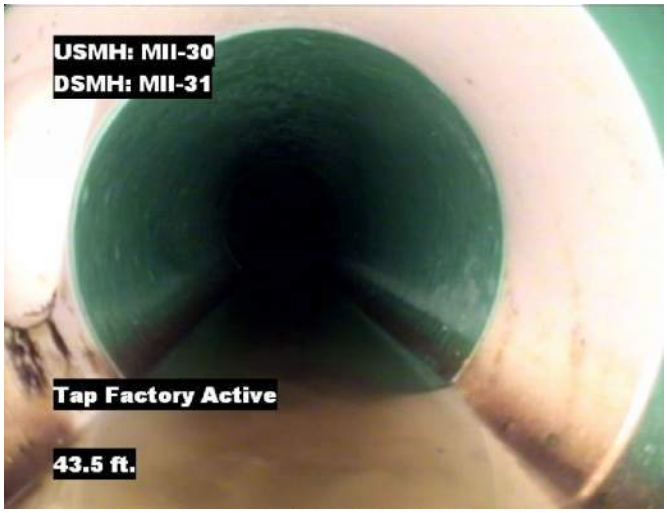
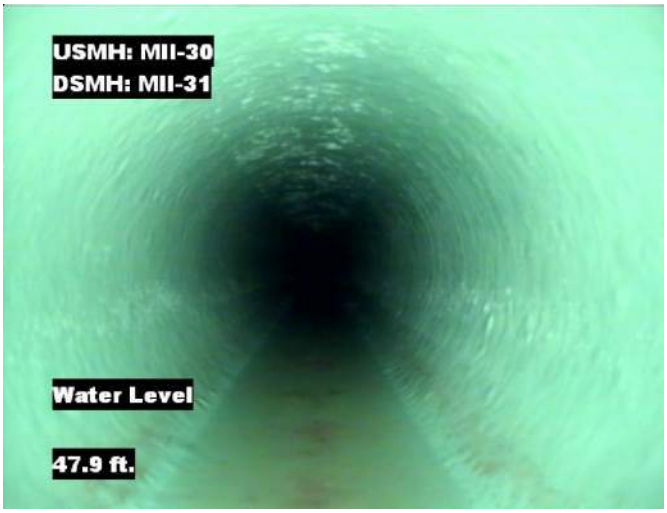
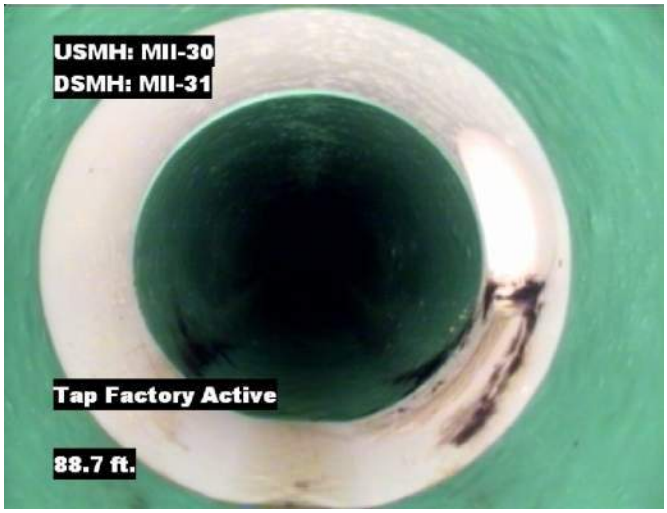
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
MII-30	**MEAD**	**HOMESTEAD DR**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
MII-30			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-31	**301.2**		**8**	**8**		



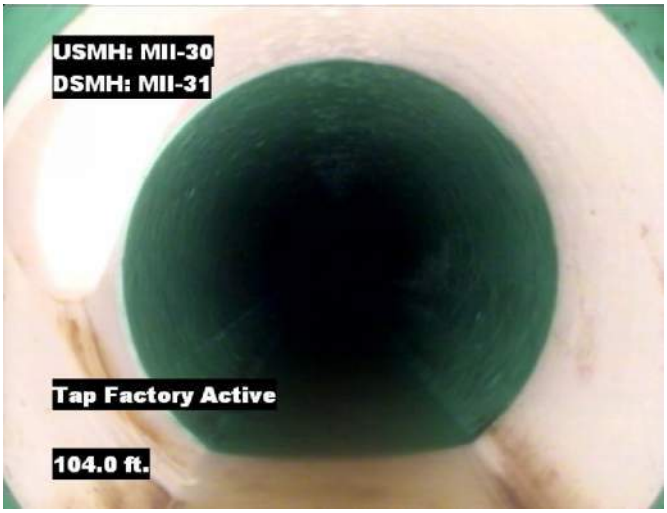
Distance: 43.5 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 47.9 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A



Distance: 88.7 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 104.0 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A

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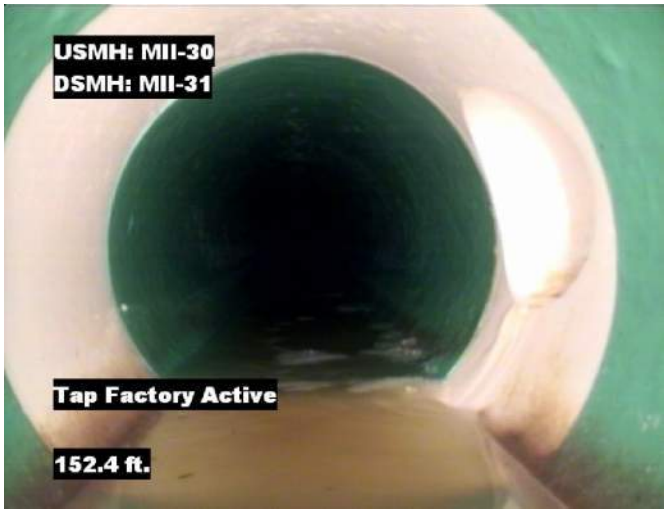
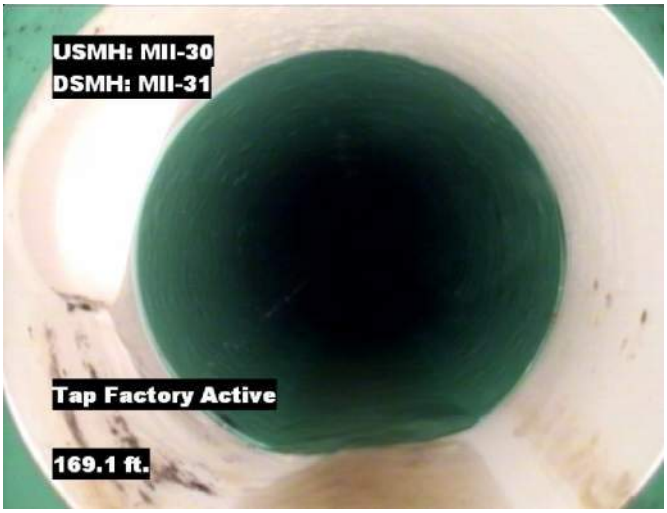
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
MII-30	**MEAD**	**HOMESTEAD DR**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
MII-30			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-31	**301.2**		**8**	**8**		



Distance: 152.4 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 169.1 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A

Distance: 183.1 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A

Distance: 198.4 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A

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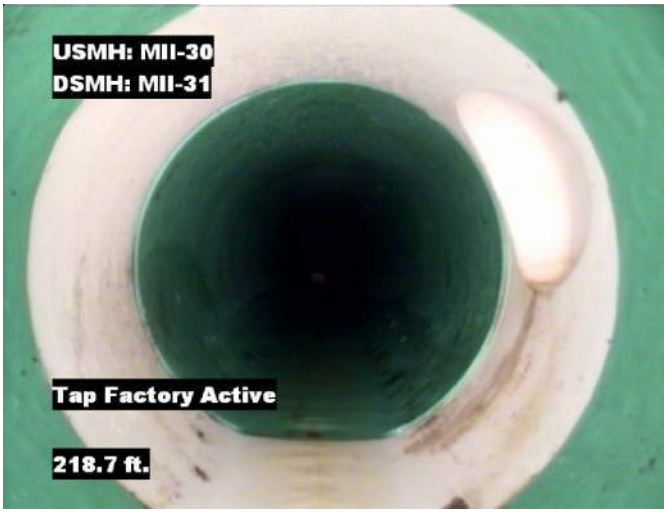
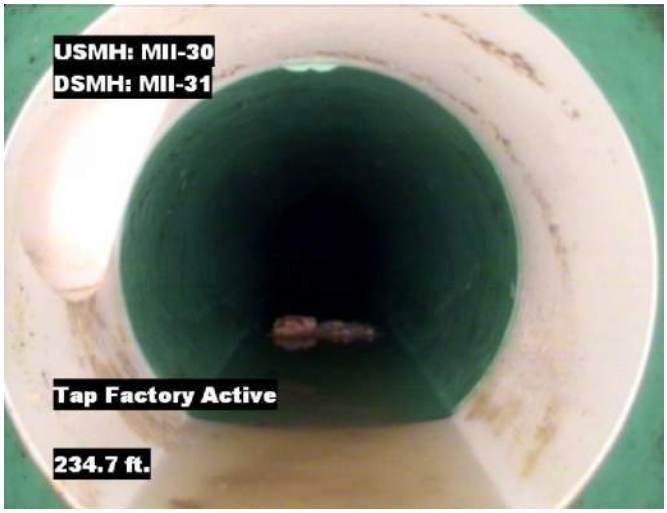
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
MII-30	**MEAD**	**HOMESTEAD DR**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
MII-30			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-31	**301.2**		**8**	**8**		

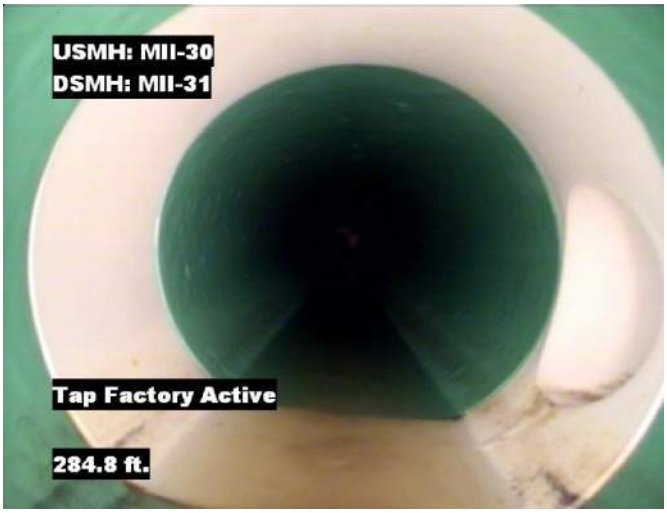
Distance: 214.8 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A



Distance: 218.7 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 234.7 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 284.8 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A

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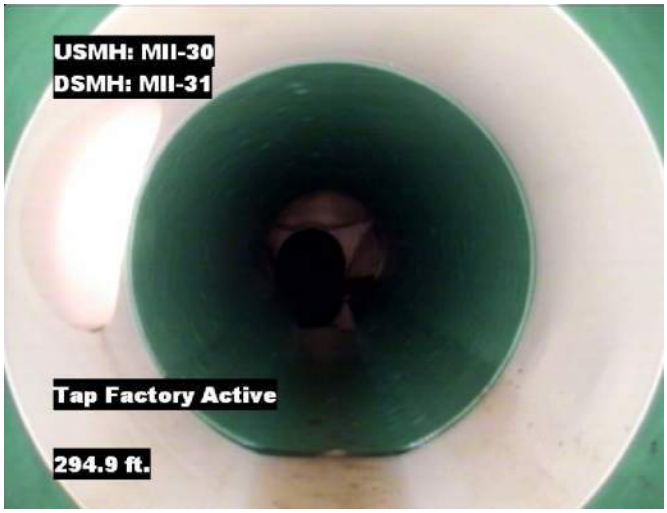
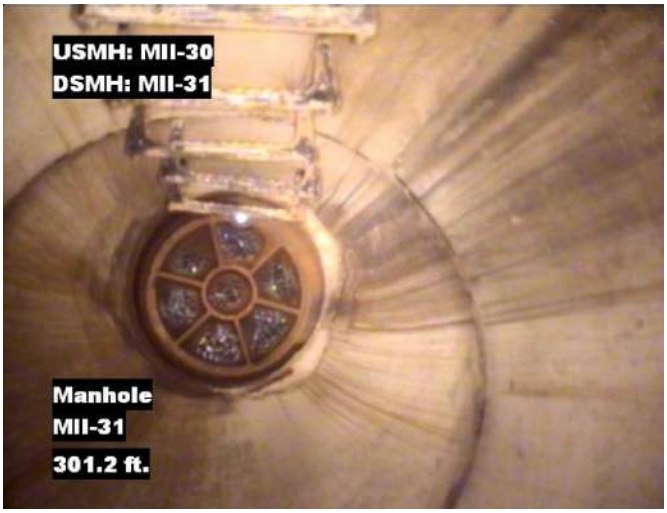
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
MII-30	**MEAD**	**HOMESTEAD DR**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
MII-30			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-31	**301.2**		**8**	**8**		



Distance: 294.9 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 301.2 ft. **Grade:** N/A
Condition: Access Point Manhole
Remarks: MII-31

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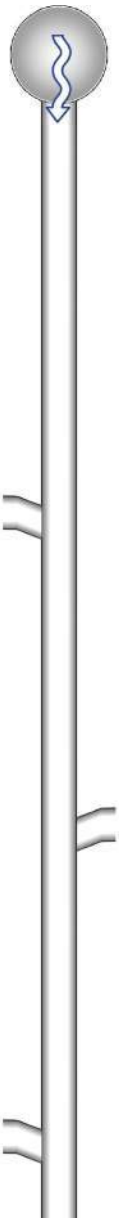
Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
MII-30	**MEAD**	**HOMESTEAD DR**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
MII-30			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-31	**301.2**		**8**	**8**		

SPR **N/A**	MPR **N/A**	PO Number		Customer	
SPRI **N/A**	MPRI **N/A**	Work Order		Purpose	
QSR **N/A**	QMR **N/A**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
N/A	**Tom**	**Downstream**	**20121016**	**2012**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
N/A	**U-109-7985**	**Jetting**	**13:11**	**Dry**	
Date Cleaned			End Time	Additional Info	
			13:24		



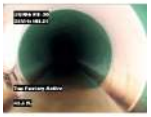
0.0 ft. Access Point Manhole

0.0 ft. Water Level

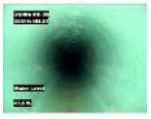
23.3 ft. Tap Factory Made Active

42.2 ft. Water Level

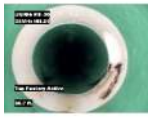
43.5 ft. Tap Factory Made Active



47.9 ft. Water Level



88.7 ft. Tap Factory Made Active



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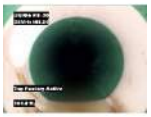
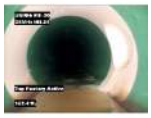
Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
MII-30	**MEAD**	**HOMESTEAD DR**	**PolyVinyl Chloride**		**Sanitary**
Upstream MH	Total Length	Year Laid	Shape	Location Details	
MII-30			**Circular**		
DS Manhole	Length surveyed	Year Renew...	Height / Width	Pipe Joint...	
MII-31	**301.2**		**8** / **8**		

SPR **N/A**	MPR **N/A**	PO Number		Customer	
SPRI **N/A**	MPRI **N/A**	Work Order		Purpose	**Routine Assessment**
QSR **N/A**	QMR **N/A**				
OPR	Surveyed By	Direction	Date	Media label	
N/A	**Tom**	**Downstream**	**20121016**	**2012**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
N/A	**U-109-7985**	**Jetting**	**13:11**	**Dry**	
Date Cleaned			End Time	Additional Info	
			13:24		

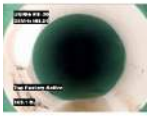
104.0 ft. Tap Factory Made Active



152.4 ft. Tap Factory Made Active



169.1 ft. Tap Factory Made Active

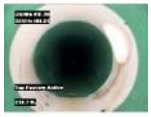


183.1 ft. Water Level

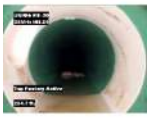
198.4 ft. Water Level

214.8 ft. Water Level

218.7 ft. Tap Factory Made Active



234.7 ft. Tap Factory Made Active



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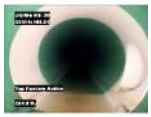
Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
MII-30	**MEAD**	**HOMESTEAD DR**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
MII-30			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-31	**301.2**		**8**	**8**		

SPR **N/A**	MPR **N/A**	PO Number		Customer	
SPRI **N/A**	MPRI **N/A**	Work Order		Purpose	
QSR **N/A**	QMR **N/A**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
N/A	**Tom**	**Downstream**	**20121016**	**2012**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
N/A	**U-109-7985**	**Jetting**	**13:11**	**Dry**	
Date Cleaned			End Time	Additional Info	
			13:24		

284.8 ft. Tap Factory Made Active



294.9 ft. Tap Factory Made Active

301.2 ft. Access Point Manhole

MII-31

MII-31

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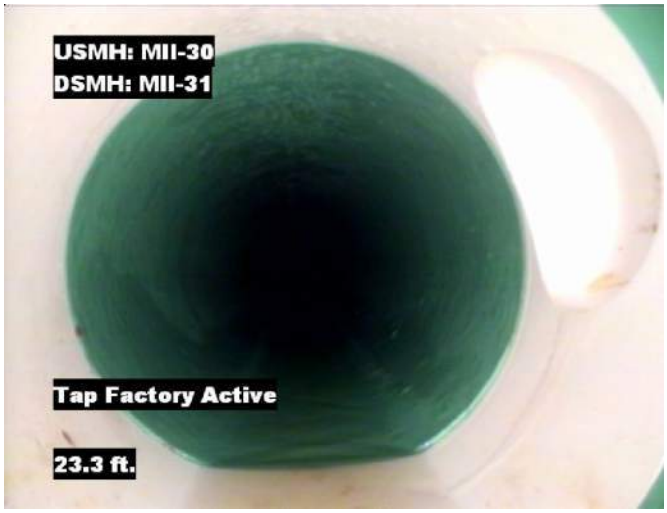
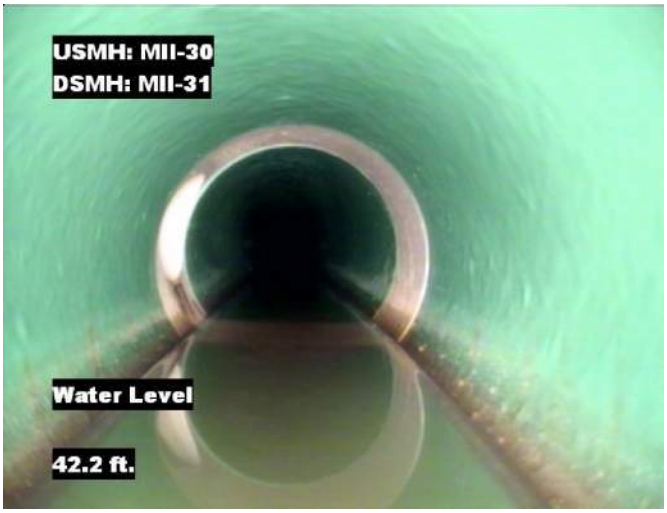
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
MII-30	**MEAD**	**HOMESTEAD DR**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
MII-30			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-31	**301.2**		**8**	**8**		

Distance: 0.0 ft. **Grade:** N/A
Condition: Access Point Manhole
Remarks: MII-30

Distance: 0.0 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A



Distance: 23.3 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 42.2 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A

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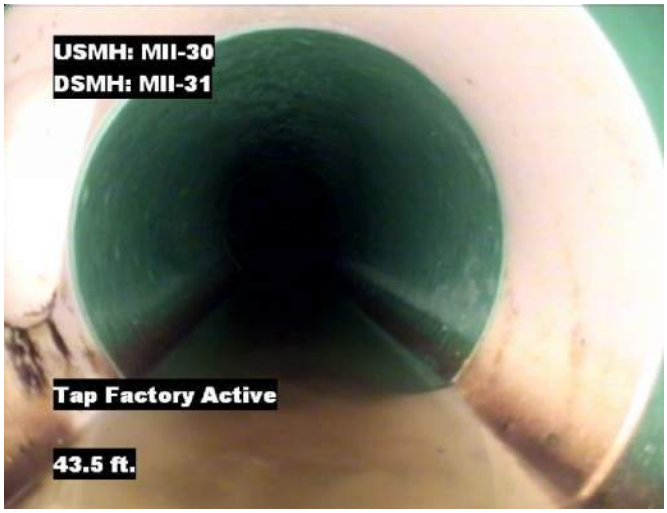
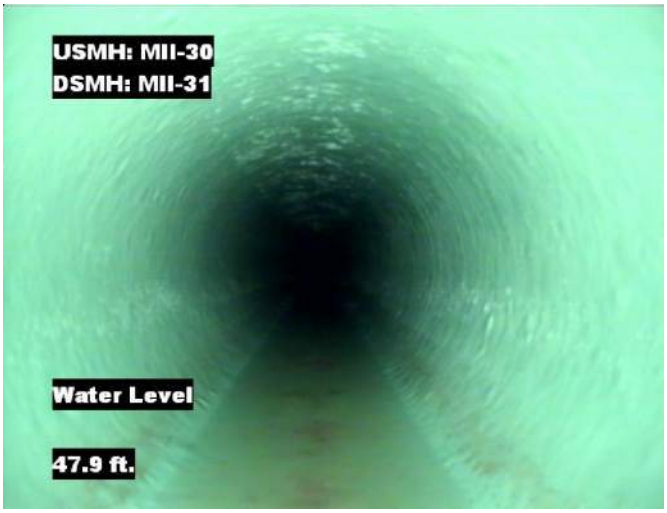
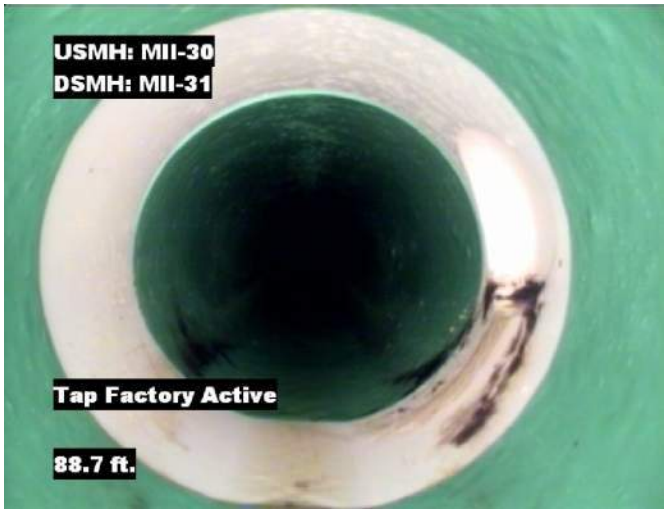
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
MII-30	**MEAD**	**HOMESTEAD DR**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
MII-30			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-31	**301.2**		**8**	**8**		



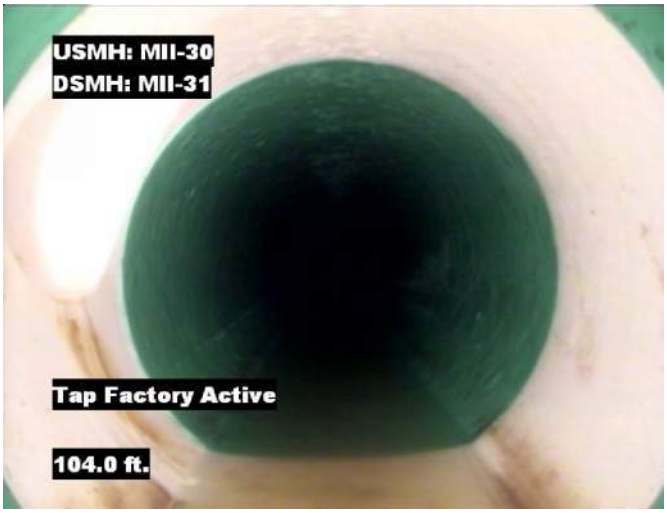
Distance: 43.5 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 47.9 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A



Distance: 88.7 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 104.0 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A

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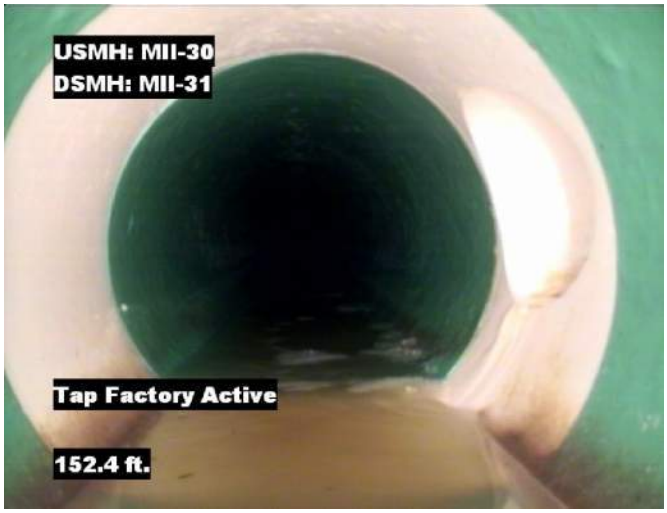
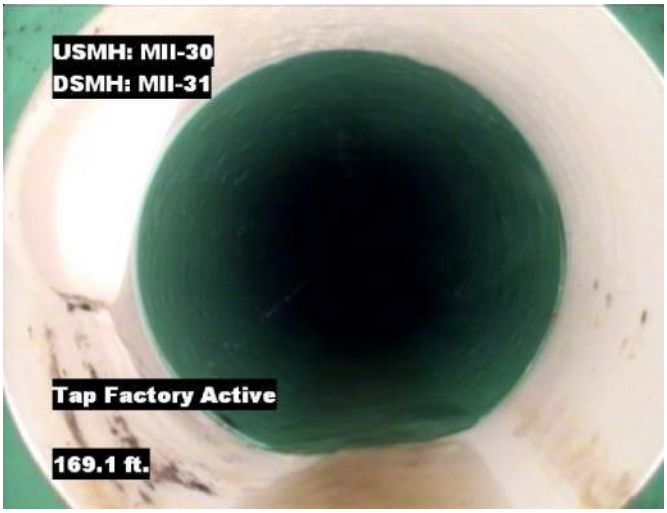
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
MII-30	**MEAD**	**HOMESTEAD DR**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
MII-30			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-31	**301.2**		**8**	**8**		



Distance: 152.4 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 169.1 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A

Distance: 183.1 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A

Distance: 198.4 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A

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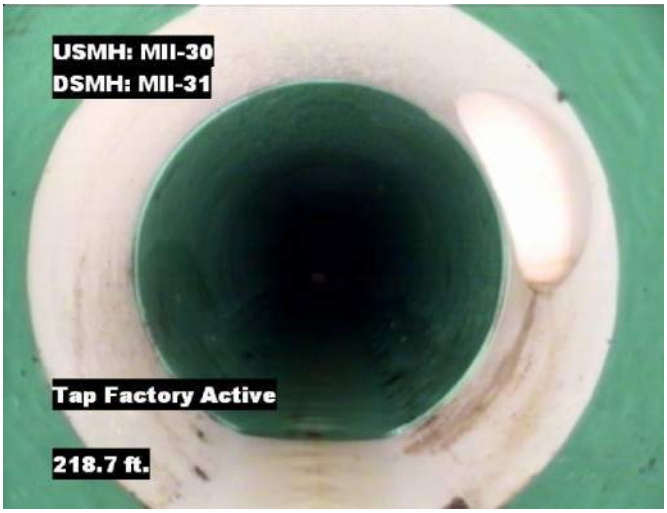
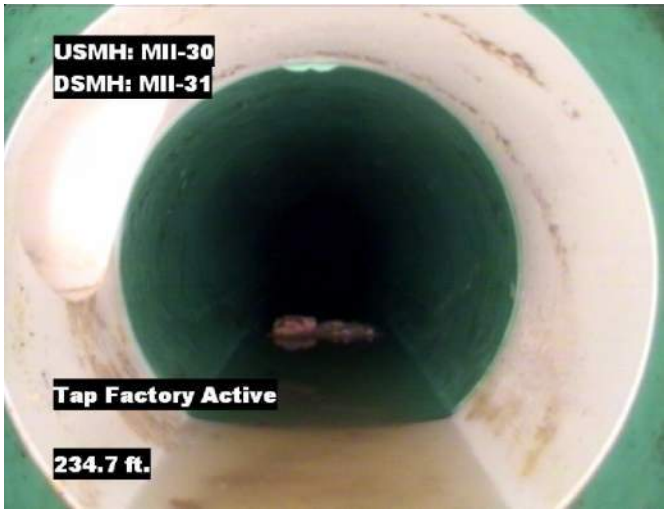
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
MII-30	**MEAD**	**HOMESTEAD DR**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
MII-30			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-31	**301.2**		**8**	**8**		

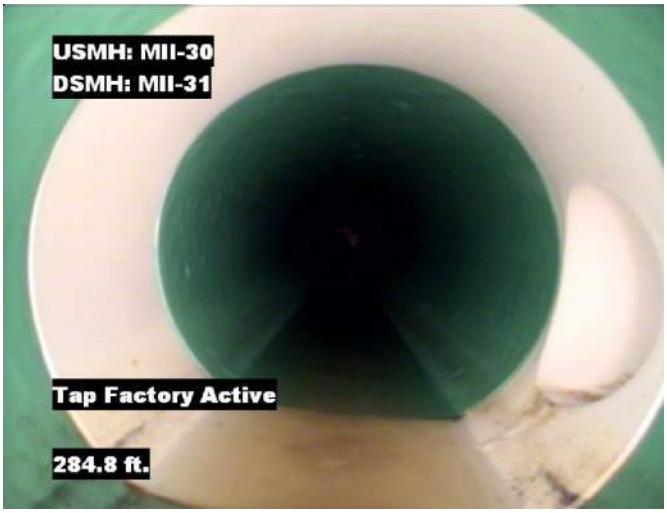
Distance: 214.8 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A



Distance: 218.7 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 234.7 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 284.8 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A

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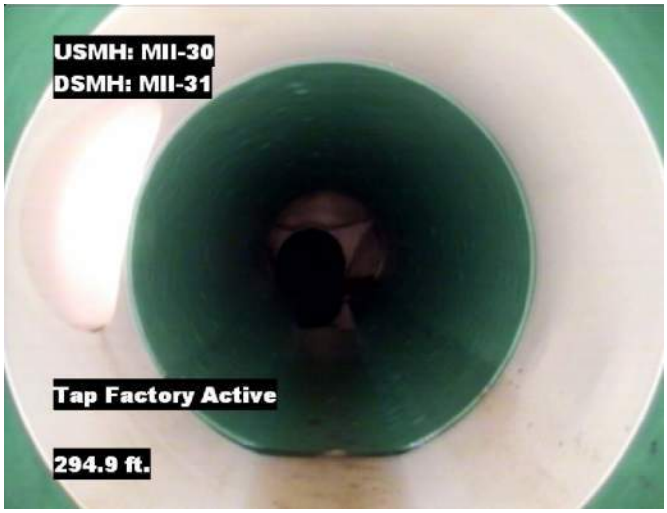
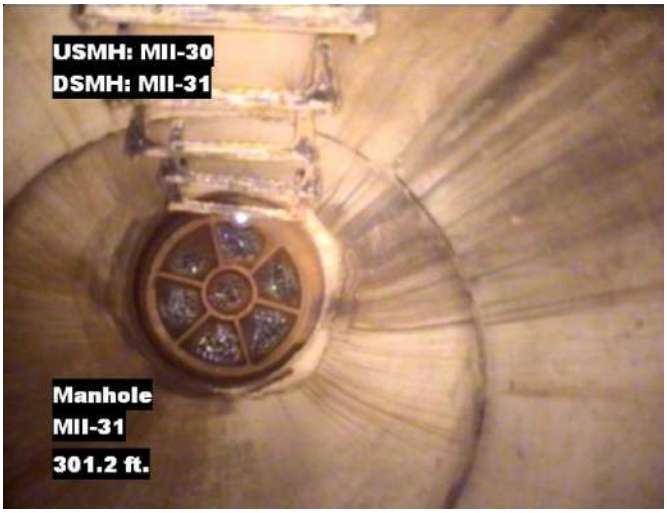
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
MII-30	**MEAD**	**HOMESTEAD DR**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
MII-30			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-31	**301.2**		**8**	**8**		



Distance: 294.9 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 301.2 ft. **Grade:** N/A
Condition: Access Point Manhole
Remarks: MII-31

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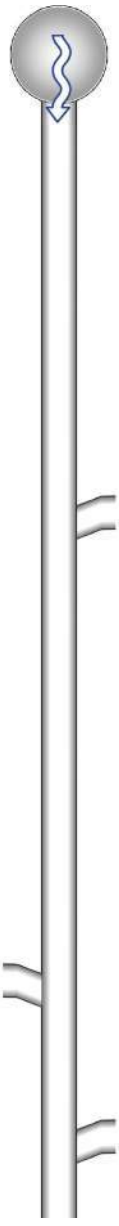
Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
MII-18	**MEAD**	**SETTLER RIDGE DR**	**PolyVinyl Chloride**		**Sanitary**
Upstream MH	Total Length	Year Laid	Shape	Location Details	
MII-18			**Circular**		
DS Manhole	Length surveyed	Year Renew...	Height / Width	Pipe Joint...	
MII-19	**142.1**		**12 / 12**		

SPR **N/A**	MPR **N/A**	PO Number		Customer	
SPRI **N/A**	MPRI **N/A**	Work Order		Purpose	**Routine Assessment**
QSR **N/A**	QMR **N/A**				
OPR	Surveyed By	Direction	Date	Media label	
N/A	**Tom**	**Downstream**	**20121016**	**2012**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
N/A	**U-109-7985**	**Jetting**	**09:34**	**Dry**	
	Date Cleaned		End Time	Additional Info	
			09:40		



0.0 ft. Access Point Manhole

0.0 ft. Water Level

27.4 ft. Tap Factory Made Active

27.4 ft. Water Level

32.0 ft. Water Level

56.0 ft. Tap Factory Made Active

95.1 ft. Tap Factory Made Active

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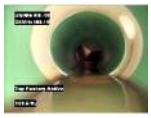
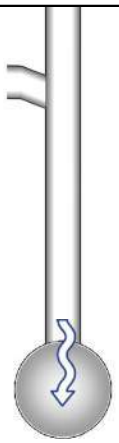
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
MII-18	**MEAD**	**SETTLER RIDGE DR**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
MII-18			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-19	**142.1**		**12**	**12**		

SPR **N/A**	MPR **N/A**	PO Number		Customer	
SPRI **N/A**	MPRI **N/A**	Work Order		Purpose	
QSR **N/A**	QMR **N/A**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
N/A	**Tom**	**Downstream**	**20121016**	**2012**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
N/A	**U-109-7985**	**Jetting**	**09:34**	**Dry**	
Date Cleaned			End Time	Additional Info	
			09:40		

133.6 ft. Tap Factory Made Active



142.1 ft. Access Point Manhole



MII-19

MII-19

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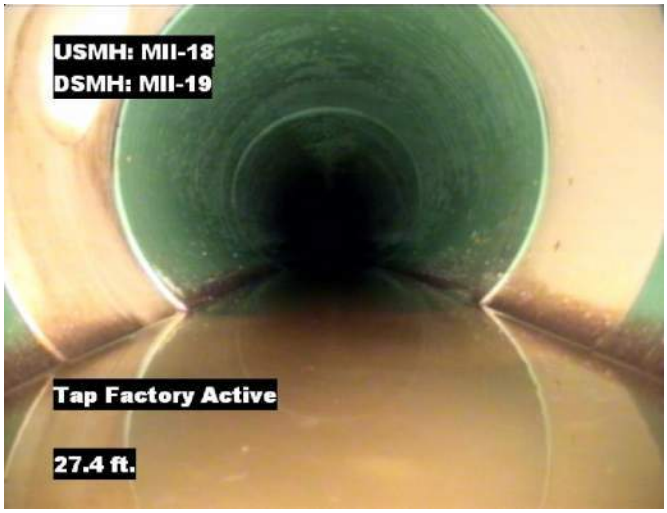
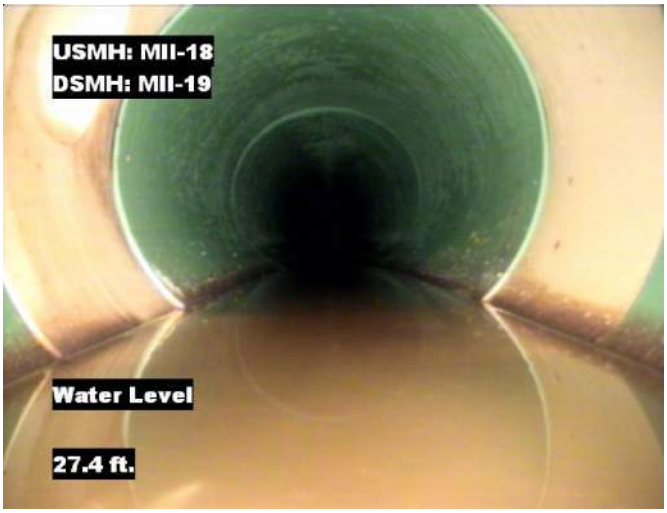
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
MII-18	**MEAD**	**SETTLER RIDGE DR**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
MII-18			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-19	**142.1**		**12**	**12**		

Distance: 0.0 ft. **Grade:** N/A
Condition: Access Point Manhole
Remarks: MII-18

Distance: 0.0 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A



Distance: 27.4 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 27.4 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A

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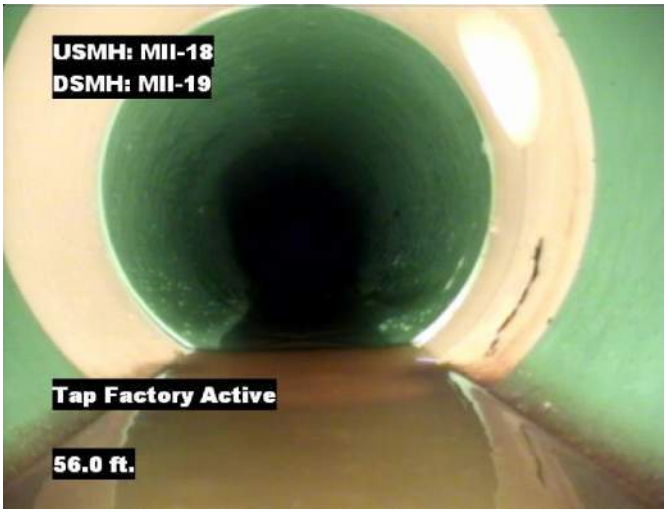
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
MII-18	**MEAD**	**SETTLER RIDGE DR**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
MII-18			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-19	**142.1**		**12**	**12**		

Distance: 32.0 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A



Distance: 56.0 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A

Distance: 95.1 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A

Distance: 133.6 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A

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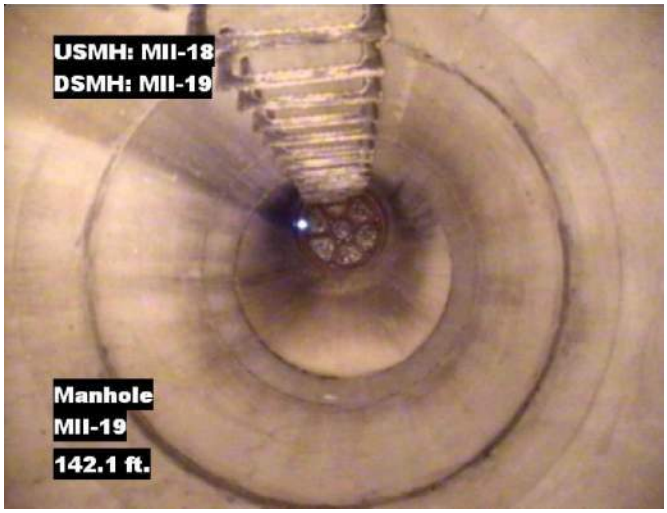
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
MII-18	**MEAD**	**SETTLER RIDGE DR**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
MII-18			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-19	**142.1**		**12**	**12**		



Distance: 142.1 ft. **Grade:** N/A
Condition: Access Point Manhole
Remarks: MII-19

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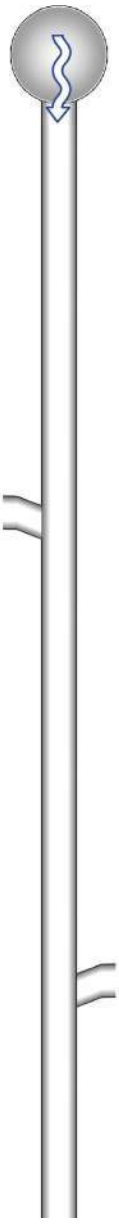
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
MII-29	**MEAD**	**HOMESTEAD DR**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
MII-29			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-30	**208.1**		**8**	**8**		

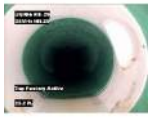
SPR **N/A**	MPR **N/A**	PO Number		Customer	
SPRI **N/A**	MPRI **N/A**	Work Order		Purpose	
QSR **N/A**	QMR **N/A**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
N/A	**Tom**	**Downstream**	**20121016**	**2012**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
N/A	**U-109-7985**	**Jetting**	**13:00**	**Dry**	
Date Cleaned			End Time	Additional Info	
			13:09		



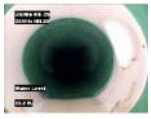
0.0 ft. Access Point Manhole

0.0 ft. Water Level

23.2 ft. Tap Factory Made Active

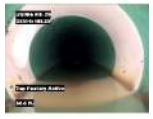


23.2 ft. Water Level

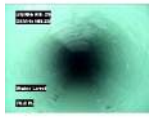


59.5 ft. Water Level

60.6 ft. Tap Factory Made Active



70.8 ft. Water Level



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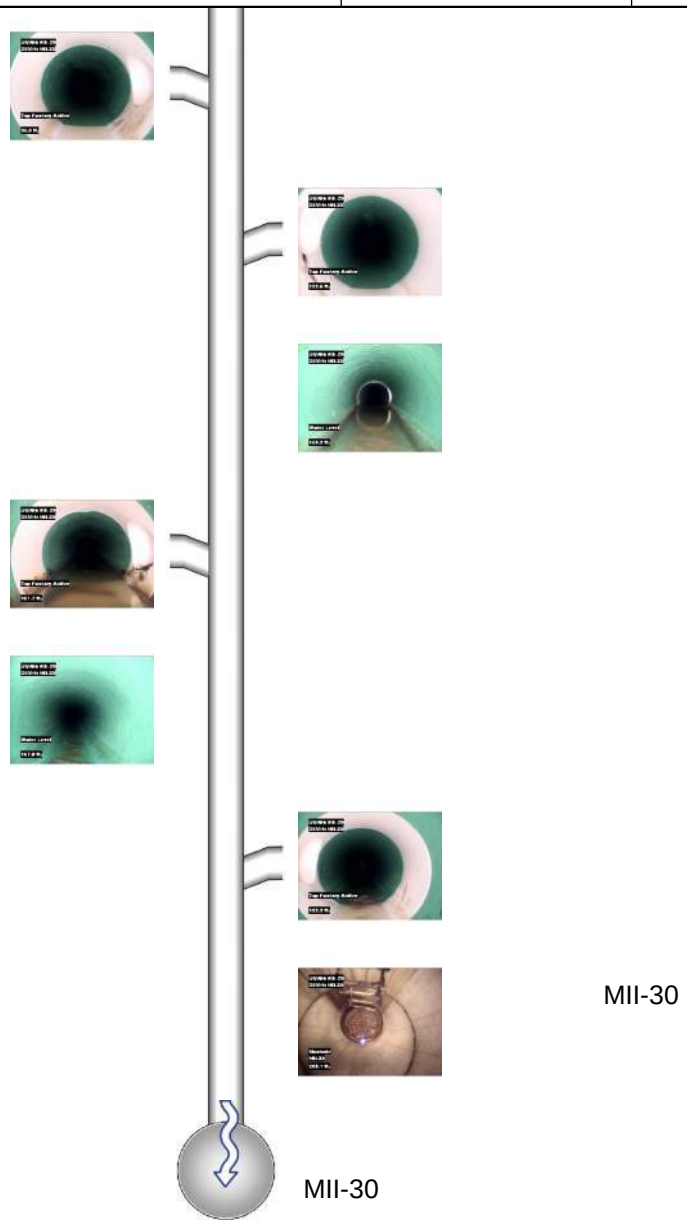
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
MII-29	**MEAD**	**HOMESTEAD DR**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
MII-29			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-30	**208.1**		**8**	**8**		

SPR **N/A**	MPR **N/A**	PO Number		Customer	
SPRI **N/A**	MPRI **N/A**	Work Order		Purpose	
QSR **N/A**	QMR **N/A**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
N/A	**Tom**	**Downstream**	**20121016**	**2012**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
N/A	**U-109-7985**	**Jetting**	**13:00**	**Dry**	
Date Cleaned			End Time	Additional Info	
			13:09		



95.9 ft. Tap Factory Made Active

122.5 ft. Tap Factory Made Active

159.2 ft. Water Level

161.7 ft. Tap Factory Made Active

167.0 ft. Water Level

192.2 ft. Tap Factory Made Active

208.1 ft. Access Point Manhole

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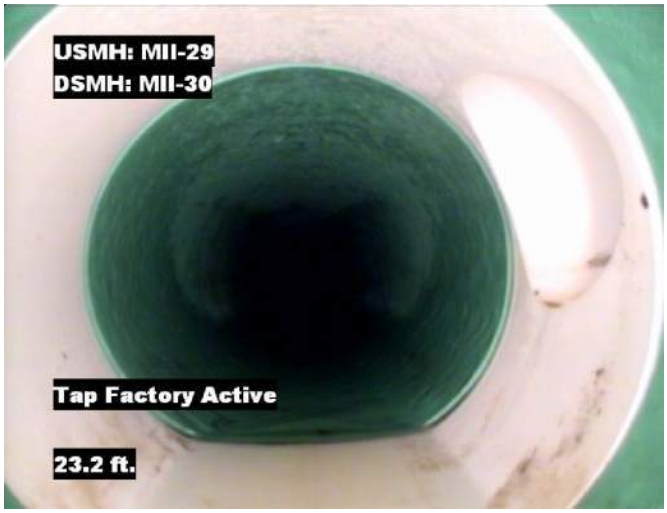
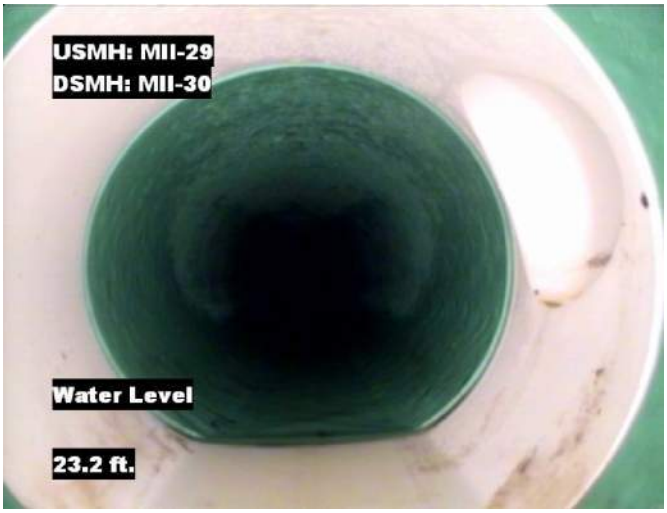
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
MII-29	**MEAD**	**HOMESTEAD DR**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
MII-29			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-30	**208.1**		**8**	**8**		

Distance: 0.0 ft. **Grade:** N/A
Condition: Access Point Manhole
Remarks: MII-29

Distance: 0.0 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A



Distance: 23.2 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 23.2 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A

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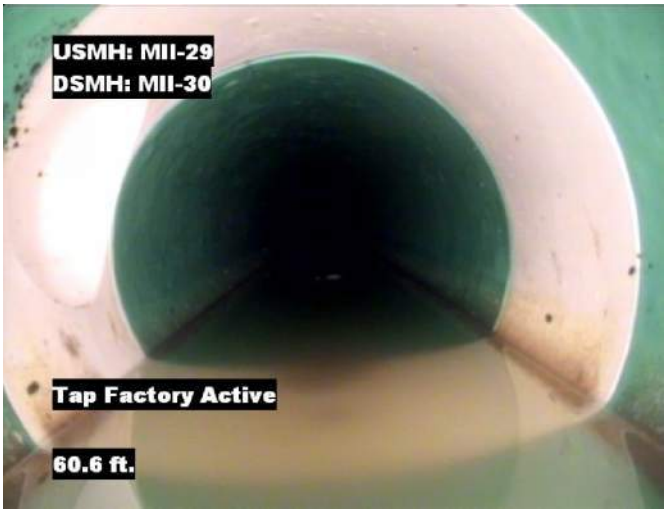
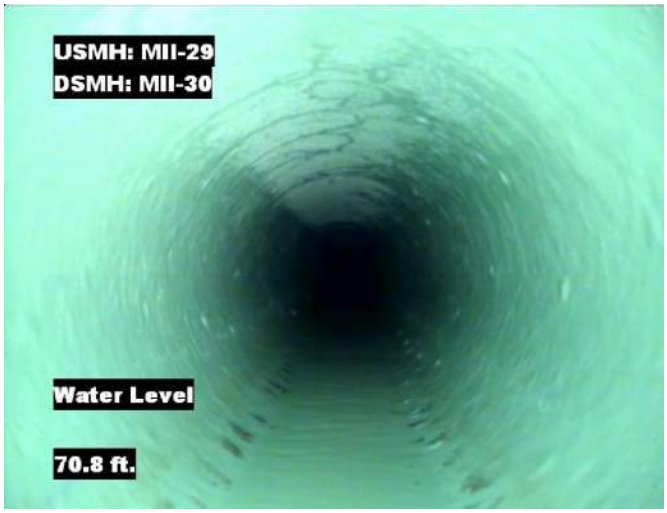
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
MII-29	**MEAD**	**HOMESTEAD DR**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
MII-29			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-30	**208.1**		**8**	**8**		

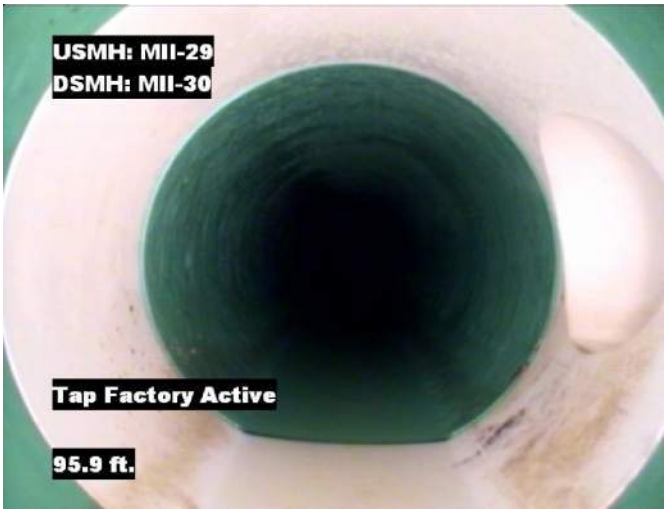
Distance: 59.5 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A



Distance: 60.6 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 70.8 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A



Distance: 95.9 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A

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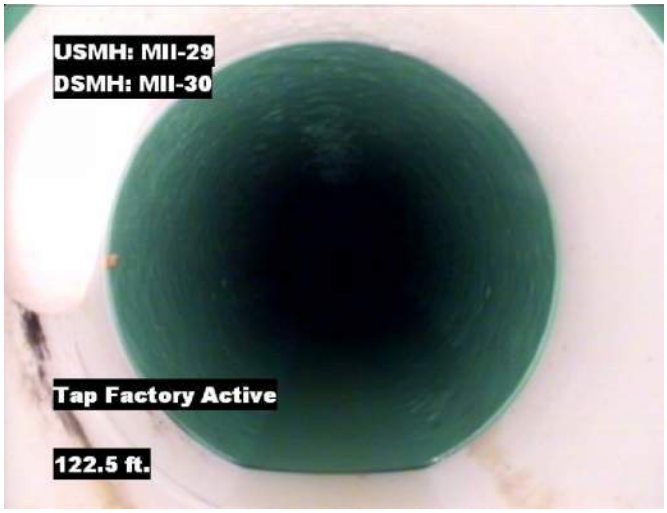
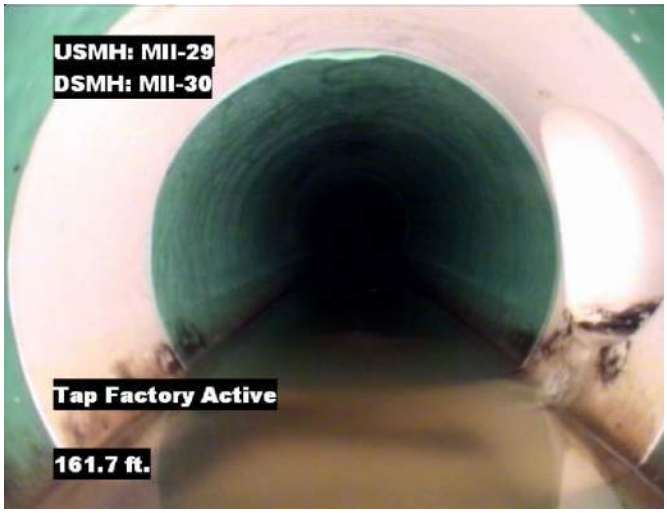
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
MII-29	**MEAD**	**HOMESTEAD DR**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
MII-29			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-30	**208.1**		**8**	**8**		



Distance: 122.5 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A

Distance: 159.2 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A



Distance: 161.7 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A

Distance: 167.0 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A

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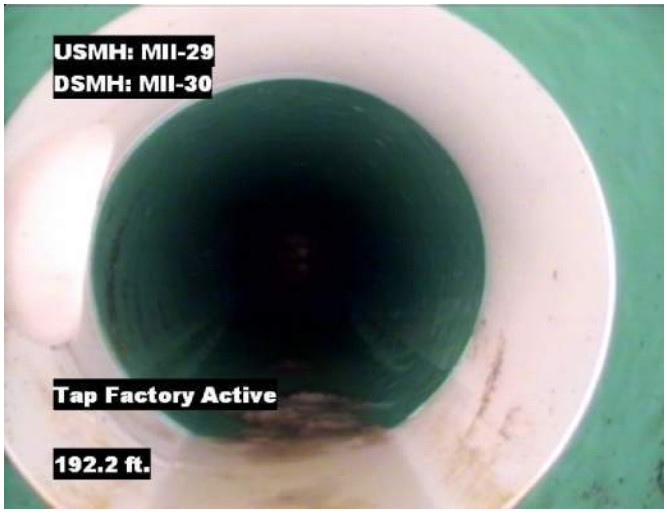
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
MII-29	**MEAD**	**HOMESTEAD DR**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
MII-29			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-30	**208.1**		**8**	**8**		



Distance: 192.2 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A

Distance: 208.1 ft. **Grade:** N/A
Condition: Access Point Manhole
Remarks: MII-30

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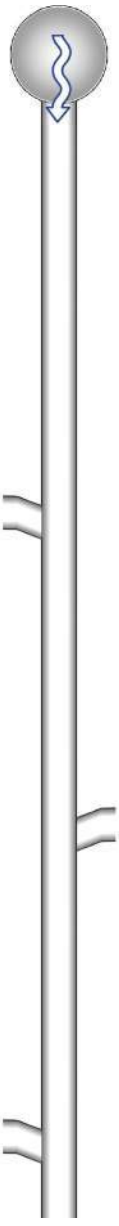
Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
MII-30	**MEAD**	**HOMESTEAD DR**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
MII-30			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-31	**301.2**		**8**	**8**		

SPR **N/A**	MPR **N/A**	PO Number		Customer	
SPRI **N/A**	MPRI **N/A**	Work Order		Purpose	
QSR **N/A**	QMR **N/A**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
N/A	**Tom**	**Downstream**	**20121016**	**2012**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
N/A	**U-109-7985**	**Jetting**	**13:11**	**Dry**	
Date Cleaned			End Time	Additional Info	
			13:24		



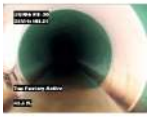
0.0 ft. Access Point Manhole

0.0 ft. Water Level

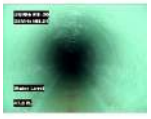
23.3 ft. Tap Factory Made Active

42.2 ft. Water Level

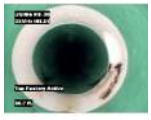
43.5 ft. Tap Factory Made Active



47.9 ft. Water Level



88.7 ft. Tap Factory Made Active



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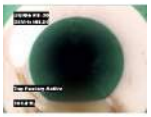
Defect Listing Plot with Images

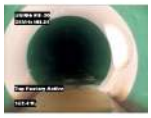
Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
MII-30	**MEAD**	**HOMESTEAD DR**	**PolyVinyl Chloride**		**Sanitary**
Upstream MH	Total Length	Year Laid	Shape	Location Details	
MII-30			**Circular**		
DS Manhole	Length surveyed	Year Renew...	Height / Width	Pipe Joint...	
MII-31	**301.2**		**8** / **8**		

SPR **N/A**	MPR **N/A**	PO Number		Customer	
SPRI **N/A**	MPRI **N/A**	Work Order		Purpose	**Routine Assessment**
QSR **N/A**	QMR **N/A**				
OPR	Surveyed By	Direction	Date	Media label	
N/A	**Tom**	**Downstream**	**20121016**	**2012**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
N/A	**U-109-7985**	**Jetting**	**13:11**	**Dry**	
Date Cleaned			End Time	Additional Info	
			13:24		

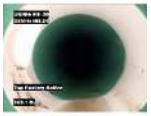
104.0 ft. Tap Factory Made Active



152.4 ft. Tap Factory Made Active



169.1 ft. Tap Factory Made Active

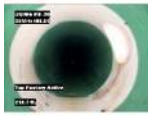


183.1 ft. Water Level

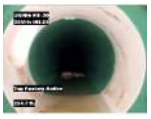
198.4 ft. Water Level

214.8 ft. Water Level

218.7 ft. Tap Factory Made Active



234.7 ft. Tap Factory Made Active



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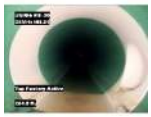
Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
MII-30	**MEAD**	**HOMESTEAD DR**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
MII-30			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-31	**301.2**		**8**	**8**		

SPR **N/A**	MPR **N/A**	PO Number		Customer	
SPRI **N/A**	MPRI **N/A**	Work Order		Purpose	
QSR **N/A**	QMR **N/A**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
N/A	**Tom**	**Downstream**	**20121016**	**2012**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
N/A	**U-109-7985**	**Jetting**	**13:11**	**Dry**	
Date Cleaned			End Time	Additional Info	
			13:24		

284.8 ft. Tap Factory Made Active



294.9 ft. Tap Factory Made Active

301.2 ft. Access Point Manhole

MII-31

MII-31

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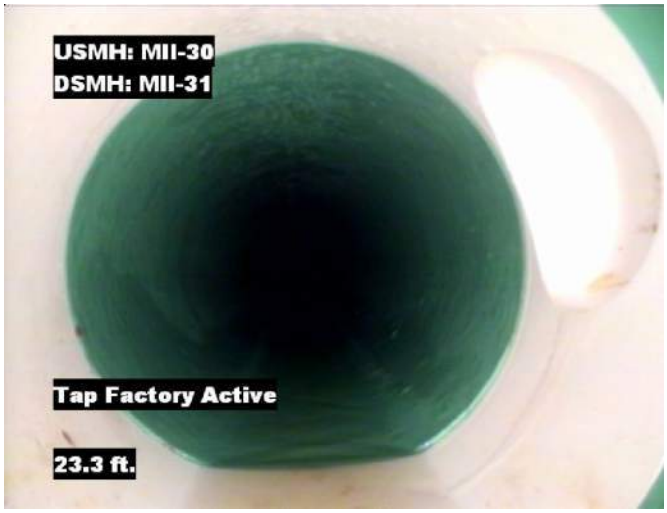
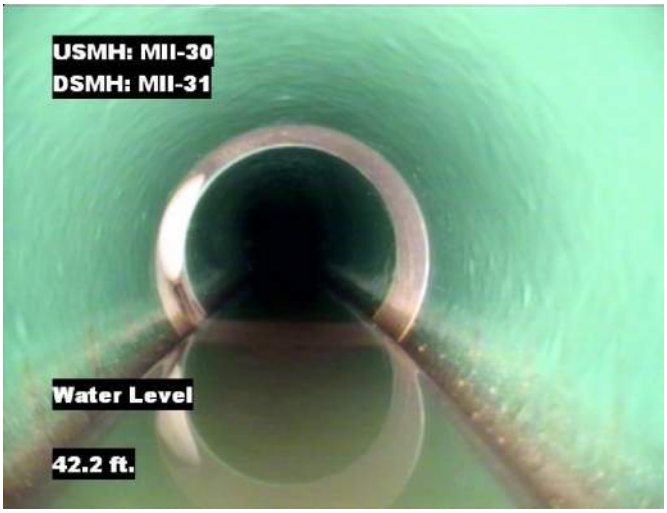
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
MII-30	**MEAD**	**HOMESTEAD DR**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
MII-30			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-31	**301.2**		**8**	**8**		

Distance: 0.0 ft. **Grade:** N/A
Condition: Access Point Manhole
Remarks: MII-30

Distance: 0.0 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A



Distance: 23.3 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 42.2 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A

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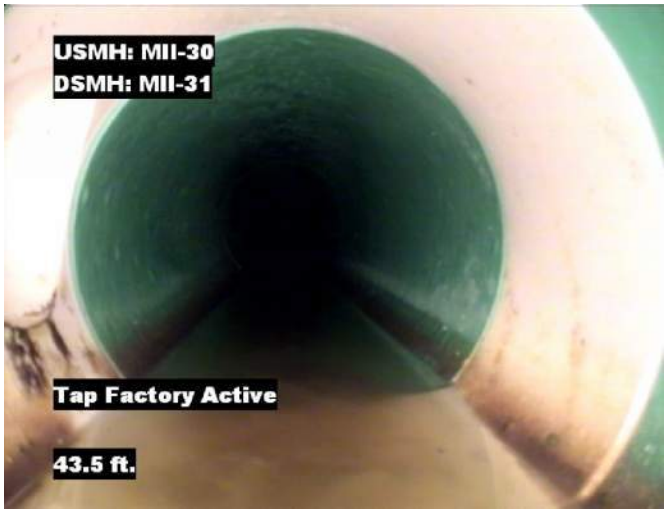
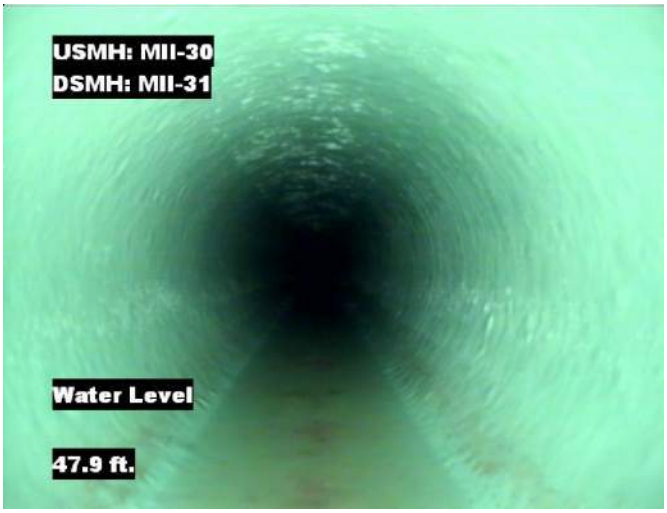
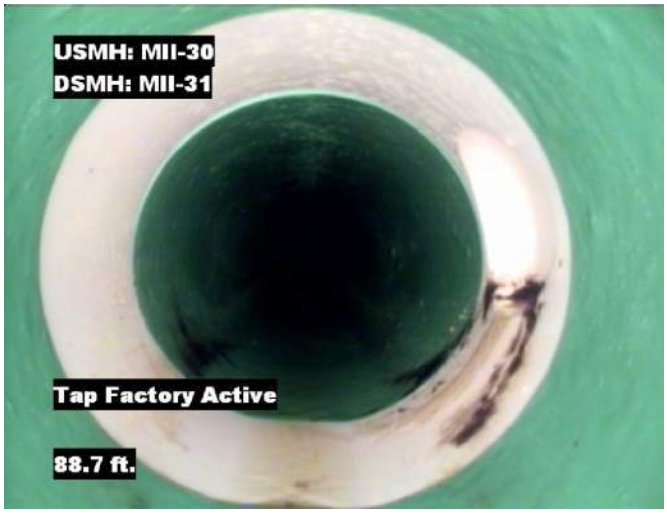
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
MII-30	**MEAD**	**HOMESTEAD DR**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
MII-30			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-31	**301.2**		**8**	**8**		



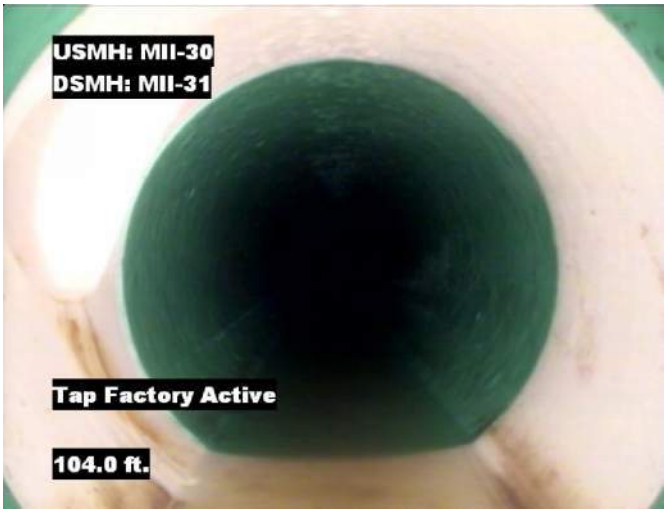
Distance: 43.5 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 47.9 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A



Distance: 88.7 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 104.0 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A

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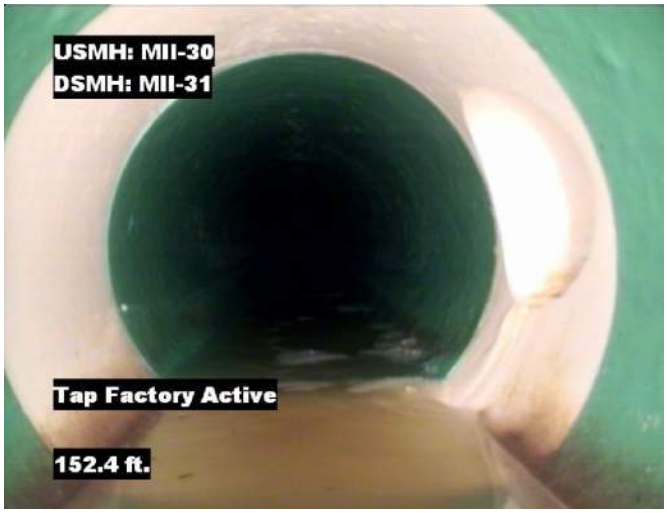
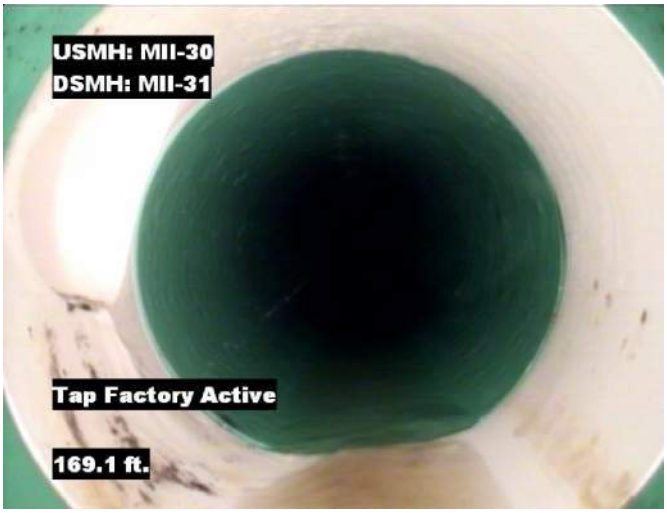
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
MII-30	**MEAD**	**HOMESTEAD DR**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
MII-30			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-31	**301.2**		**8**	**8**		



Distance: 152.4 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 169.1 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A

Distance: 183.1 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A

Distance: 198.4 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A

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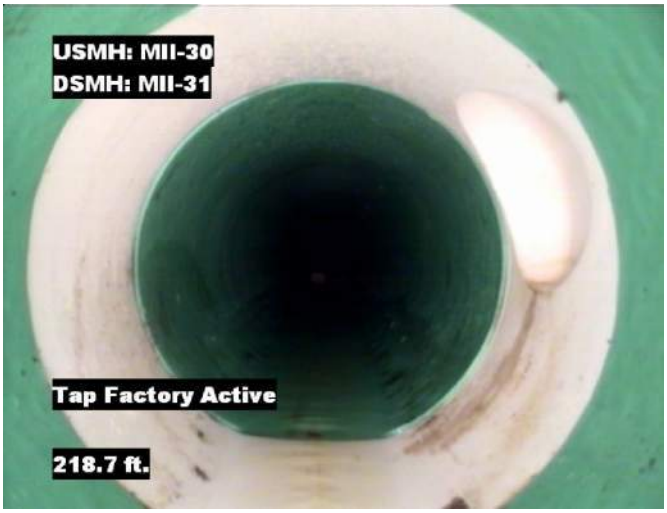
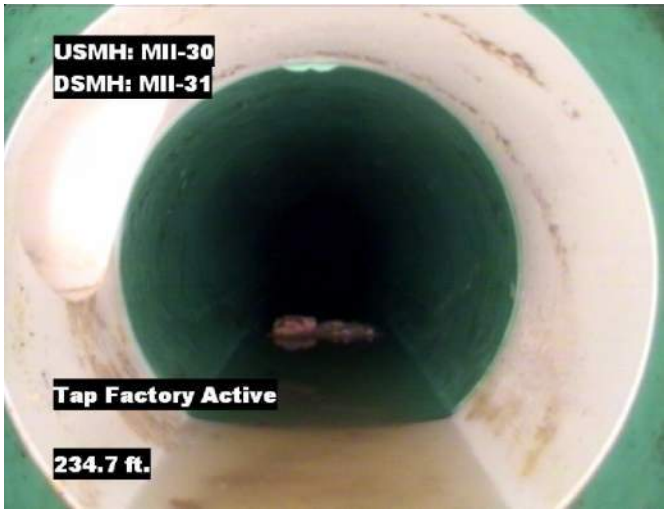
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
MII-30	**MEAD**	**HOMESTEAD DR**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
MII-30			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-31	**301.2**		**8**	**8**		

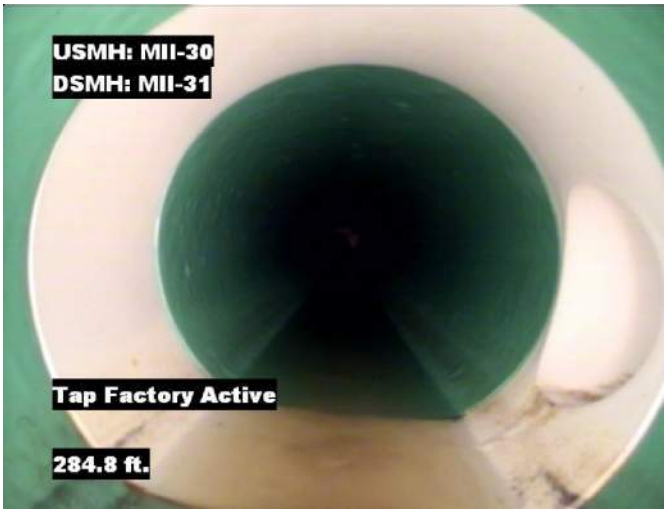
Distance: 214.8 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A



Distance: 218.7 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 234.7 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 284.8 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A

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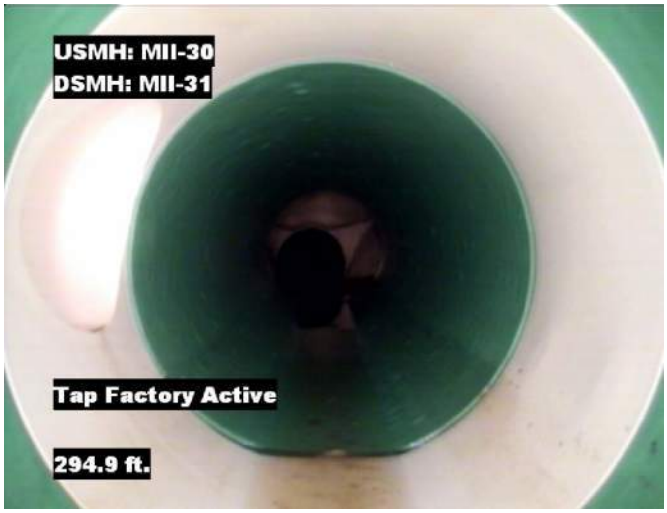
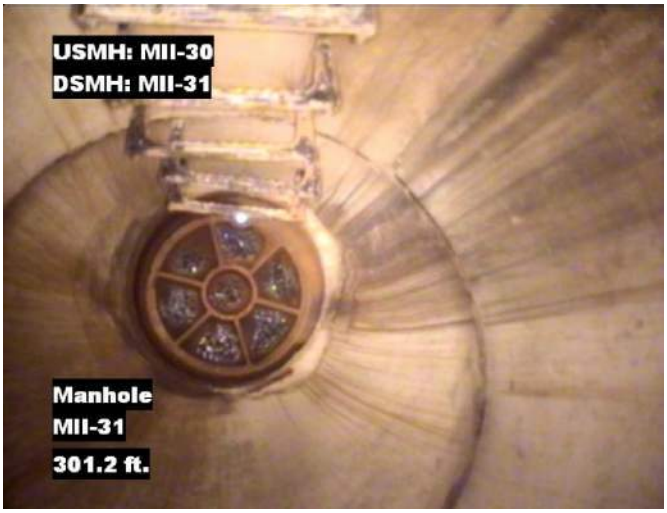
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
MII-30	**MEAD**	**HOMESTEAD DR**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
MII-30			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-31	**301.2**		**8**	**8**		



Distance: 294.9 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 301.2 ft. **Grade:** N/A
Condition: Access Point Manhole
Remarks: MII-31

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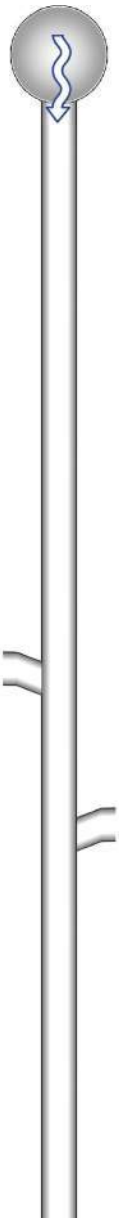
Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
MII-22	**MEAD**	**HOMESTEAD DR**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
MII-22			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-23	**221**		**12**	**12**		

SPR **N/A**	MPR **N/A**	PO Number		Customer	
SPRI **N/A**	MPRI **N/A**	Work Order		Purpose	
QSR **N/A**	QMR **N/A**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
N/A	**Tom**	**Downstream**	**20121016**	**2012**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
N/A	**U-109-7985**	**Jetting**	**11:05**	**Dry**	
	Date Cleaned		End Time	Additional Info	
			11:13		

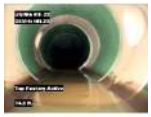


0.0 ft. Access Point Manhole

0.0 ft. Water Level

14.4 ft. Water Level

74.9 ft. Tap Factory Made Active



76.7 ft. Tap Factory Made Active

114.0 ft. Water Level

168.1 ft. Water Level

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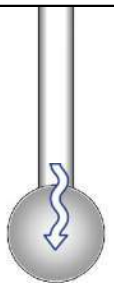
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
MII-22	**MEAD**	**HOMESTEAD DR**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
MII-22			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-23	**221**		**12**	**12**		

SPR **N/A**	MPR **N/A**	PO Number		Customer	
SPRI **N/A**	MPRI **N/A**	Work Order		Purpose	
QSR **N/A**	QMR **N/A**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
N/A	**Tom**	**Downstream**	**20121016**	**2012**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
N/A	**U-109-7985**	**Jetting**	**11:05**	**Dry**	
Date Cleaned			End Time	Additional Info	
			11:13		

221.0 ft. Access Point Manhole



MII-23

MII-23

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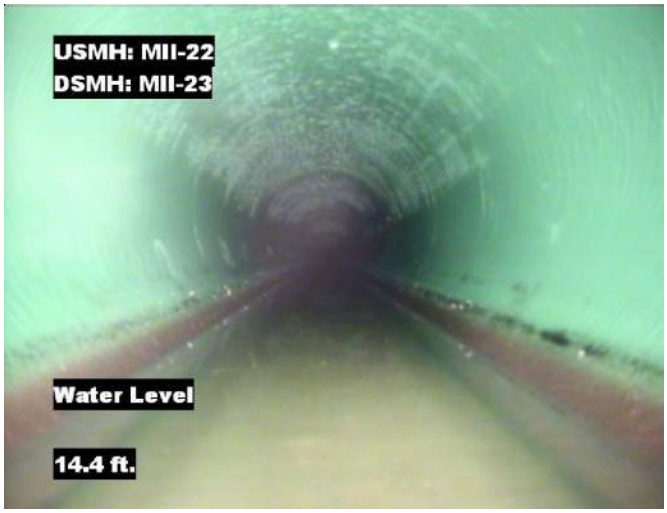
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
MII-22	**MEAD**	**HOMESTEAD DR**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
MII-22			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-23	**221**		**12**	**12**		

Distance: 0.0 ft. **Grade:** N/A
Condition: Access Point Manhole
Remarks: MII-22

Distance: 0.0 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A



Distance: 14.4 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A

Distance: 74.9 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A

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Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
MII-22	**MEAD**	**HOMESTEAD DR**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
MII-22			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-23	**221**		**12**	**12**		

Distance: 76.7 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A

Distance: 114.0 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A

Distance: 168.1 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A

Distance: 221.0 ft. **Grade:** N/A
Condition: Access Point Manhole
Remarks: MII-23

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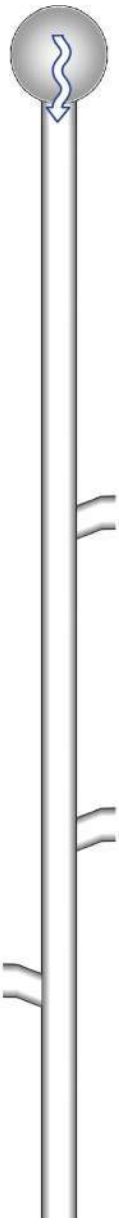
Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
MII-19	**MEAD**	**SETTLER RIDGE DR**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
MII-19			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-20	**96.1**		**12**	**12**		

SPR **N/A**	MPR **N/A**	PO Number		Customer	
SPRI **N/A**	MPRI **N/A**	Work Order		Purpose	
QSR **N/A**	QMR **N/A**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
N/A	**Tom**	**Downstream**	**20121016**	**2012**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
N/A	**U-109-7985**	**Jetting**	**09:41**	**Dry**	
Date Cleaned			End Time	Additional Info	
			09:46		



0.0 ft. Access Point Manhole

0.0 ft. Water Level

20.4 ft. Tap Factory Made Active

70.9 ft. Water Level

82.6 ft. Tap Factory Made Active

89.3 ft. Tap Factory Made Active

96.1 ft. Access Point Manhole

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Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
MII-19	**MEAD**	**SETTLER RIDGE DR**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
MII-19			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-20	**96.1**		**12**	**12**		

SPR **N/A**	MPR **N/A**	PO Number		Customer	
SPRI **N/A**	MPRI **N/A**	Work Order		Purpose	
QSR **N/A**	QMR **N/A**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
N/A	**Tom**	**Downstream**	**20121016**	**2012**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
N/A	**U-109-7985**	**Jetting**	**09:41**	**Dry**	
Date Cleaned			End Time	Additional Info	
			09:46		

MII-20

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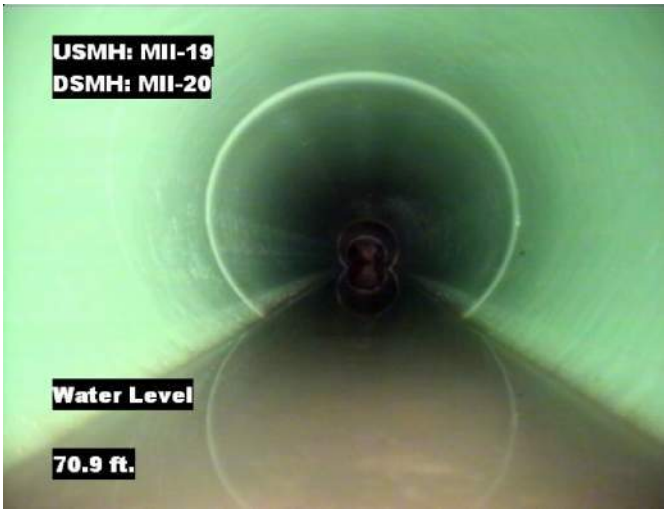
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
MII-19	**MEAD**	**SETTLER RIDGE DR**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
MII-19			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-20	**96.1**		**12**	**12**		

Distance: 0.0 ft. **Grade:** N/A
Condition: Access Point Manhole
Remarks: MII-19

Distance: 0.0 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A

Distance: 20.4 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 70.9 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A

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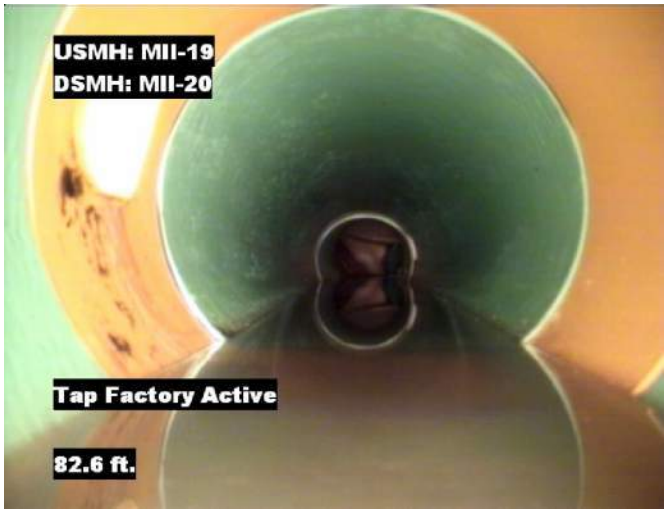
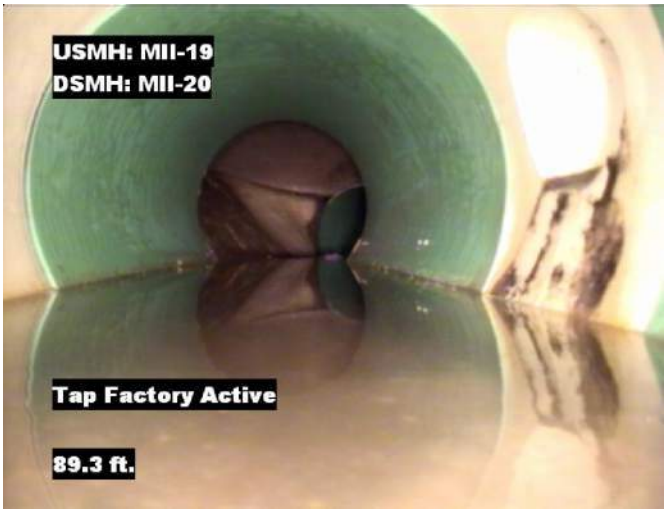
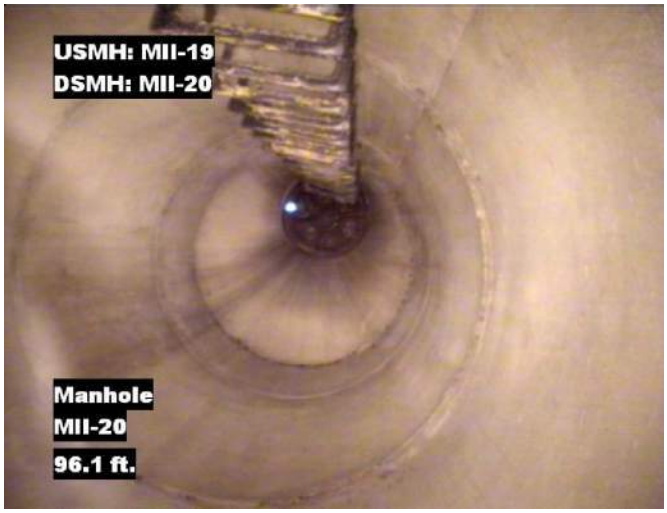
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
MII-19	**MEAD**	**SETTLER RIDGE DR**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
MII-19			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-20	**96.1**		**12**	**12**		



Distance: 82.6 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 89.3 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 96.1 ft. **Grade:** N/A
Condition: Access Point Manhole
Remarks: MII-20

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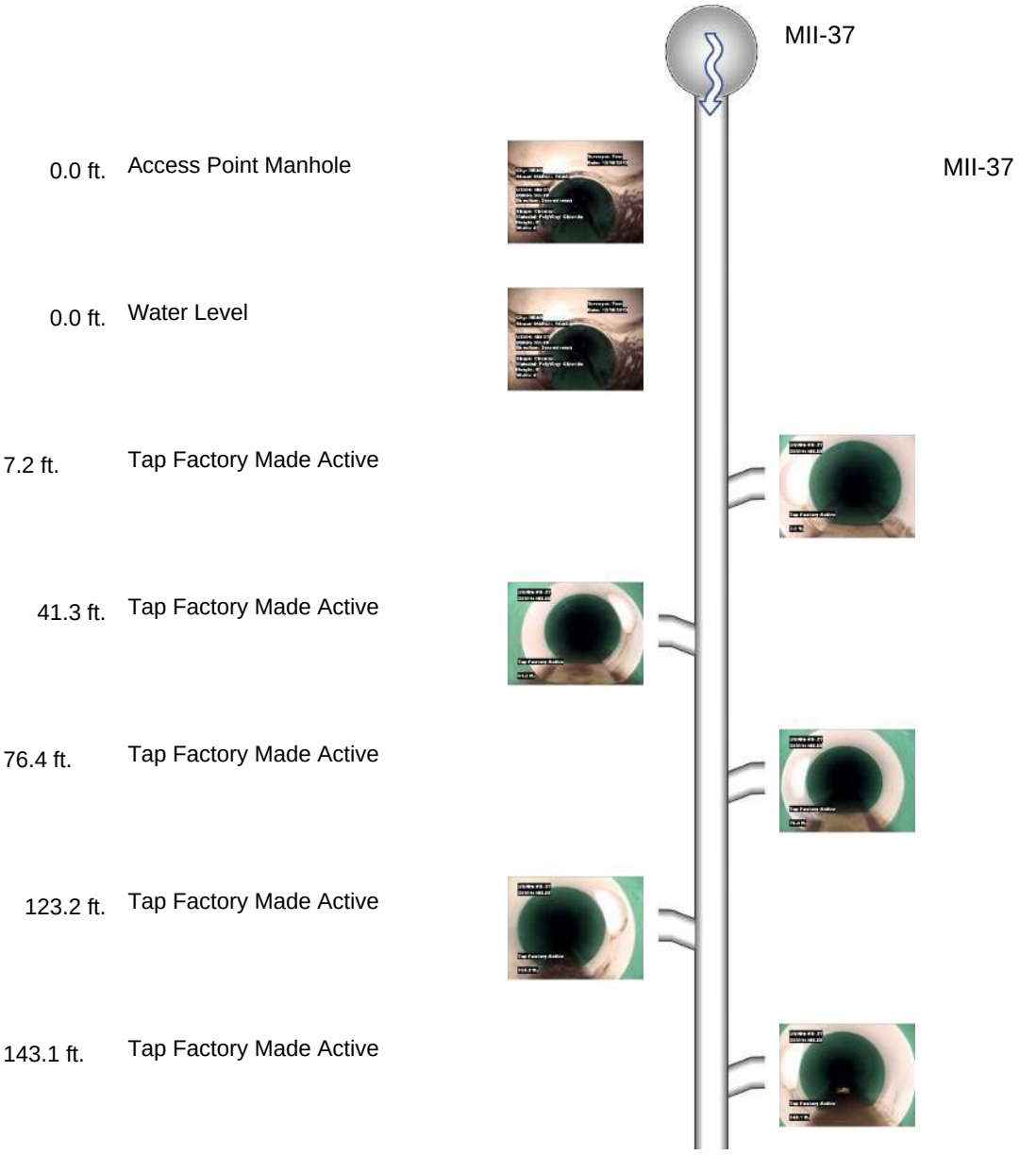
Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
MII-37	**MEAD**	**MARGIL ROAD**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
MII-37			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-38	**401.9**		**8**	**8**		

				PO Number	Customer
SPR	**N/A**	MPR	**N/A**		
SPRI	**N/A**	MPRI	**N/A**	Work Order	Purpose
QSR	**N/A**	QMR	**N/A**		**Routine Assessment**

OPR	Surveyed By	Direction	Date	Media label
N/A	**Tom**	**Downstream**	**20121016**	**2012**
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
N/A	**U-109-7985**	**Jetting**	**14:58**	**Dry**
Date Cleaned			End Time	Additional Info
			15:13	



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Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
MII-37	**MEAD**	**MARGIL ROAD**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
MII-37			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-38	**401.9**		**8**	**8**		

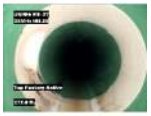
				PO Number	Customer
SPR	**N/A**	MPR	**N/A**		
SPRI	**N/A**	MPRI	**N/A**	Work Order	Purpose
QSR	**N/A**	QMR	**N/A**		**Routine Assessment**

OPR	Surveyed By	Direction	Date	Media label
N/A	**Tom**	**Downstream**	**20121016**	**2012**
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
N/A	**U-109-7985**	**Jetting**	**14:58**	**Dry**
Date Cleaned			End Time	Additional Info
			15:13	

206.6 ft. Tap Factory Made Active

210.5 ft. Tap Factory Made Active

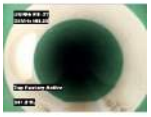
272.0 ft. Tap Factory Made Active



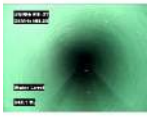
293.4 ft. Tap Factory Made Active

315.5 ft. Water Level

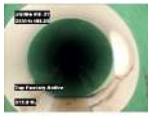
341.8 ft. Tap Factory Made Active



343.1 ft. Water Level



372.8 ft. Tap Factory Made Active



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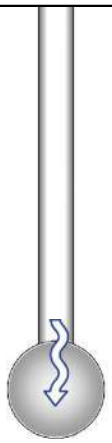
Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
MII-37	**MEAD**	**MARGIL ROAD**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
MII-37			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-38	**401.9**		**8**	**8**		

SPR **N/A**	MPR **N/A**	PO Number		Customer	
SPRI **N/A**	MPRI **N/A**	Work Order		Purpose	
QSR **N/A**	QMR **N/A**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
N/A	**Tom**	**Downstream**	**20121016**	**2012**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
N/A	**U-109-7985**	**Jetting**	**14:58**	**Dry**	
Date Cleaned			End Time	Additional Info	
			15:13		

380.2 ft. Water Level

401.9 ft. Access Point Manhole



MII-38

MII-38

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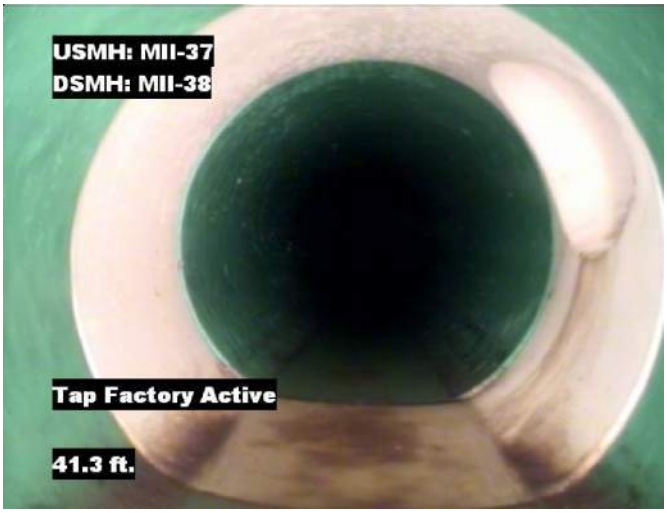
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
MII-37	**MEAD**	**MARGIL ROAD**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
MII-37			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-38	**401.9**		**8**	**8**		

Distance: 0.0 ft. **Grade:** N/A
Condition: Access Point Manhole
Remarks: MII-37

Distance: 0.0 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A

Distance: 7.2 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 41.3 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A

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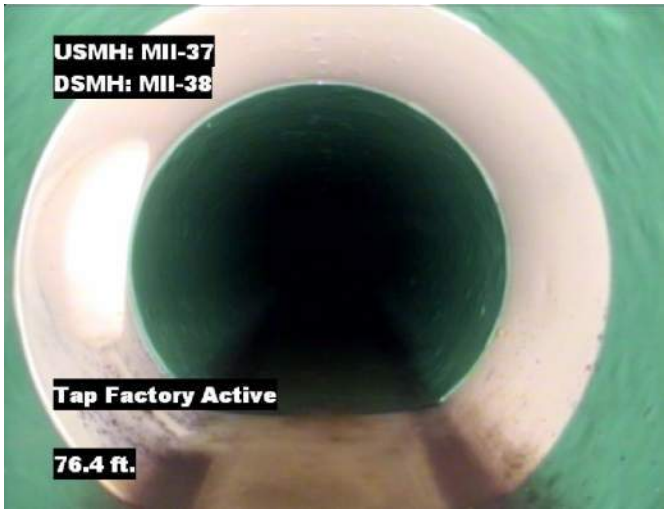
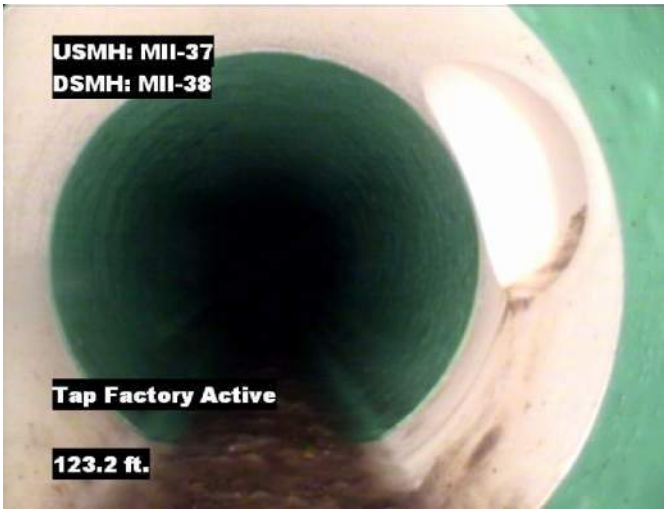
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
MII-37	**MEAD**	**MARGIL ROAD**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
MII-37			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-38	**401.9**		**8**	**8**		

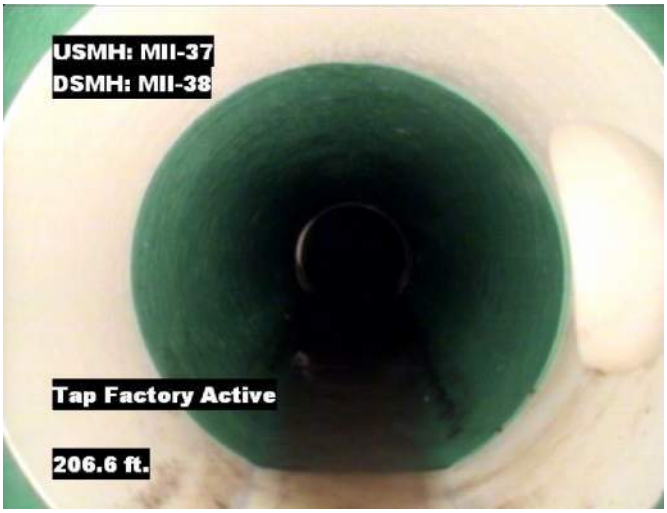


Distance: 76.4 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 123.2 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A

Distance: 143.1 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 206.6 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A

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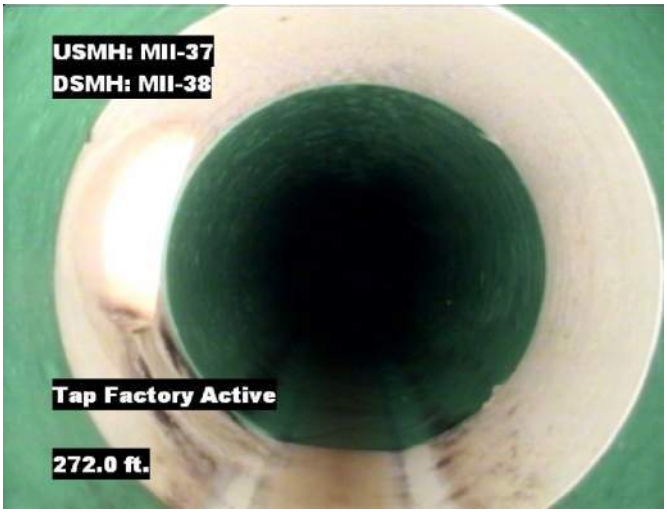
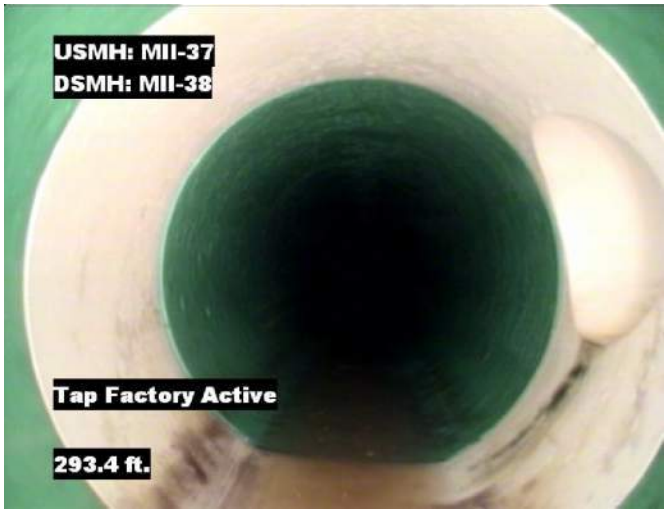
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
MII-37	**MEAD**	**MARGIL ROAD**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
MII-37			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-38	**401.9**		**8**	**8**		

Distance: 210.5 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 272.0 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 293.4 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A

Distance: 315.5 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A

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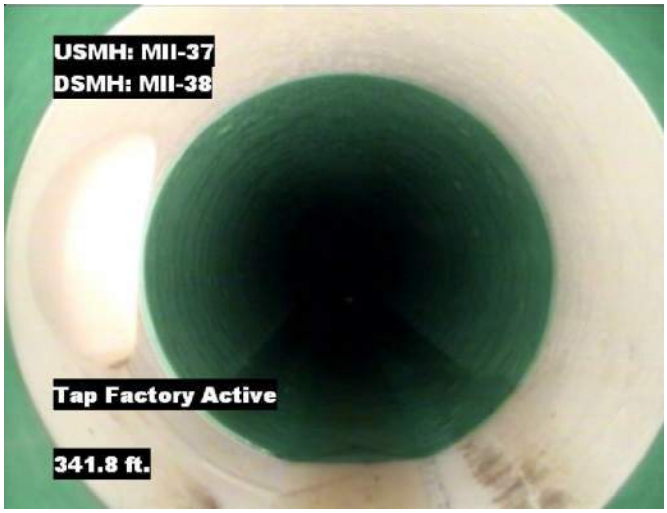
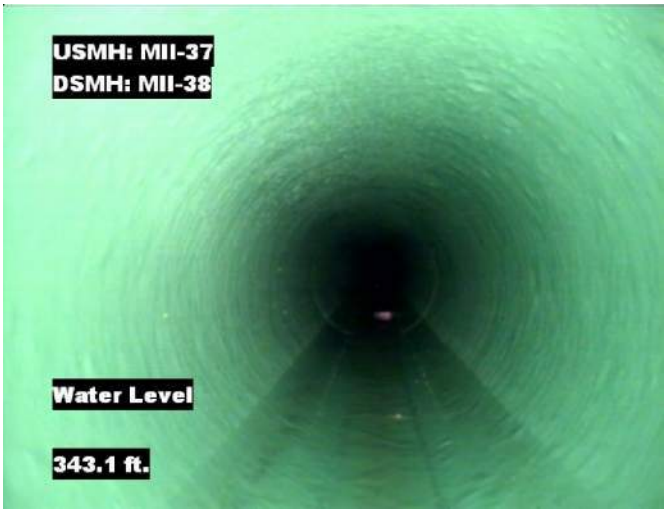
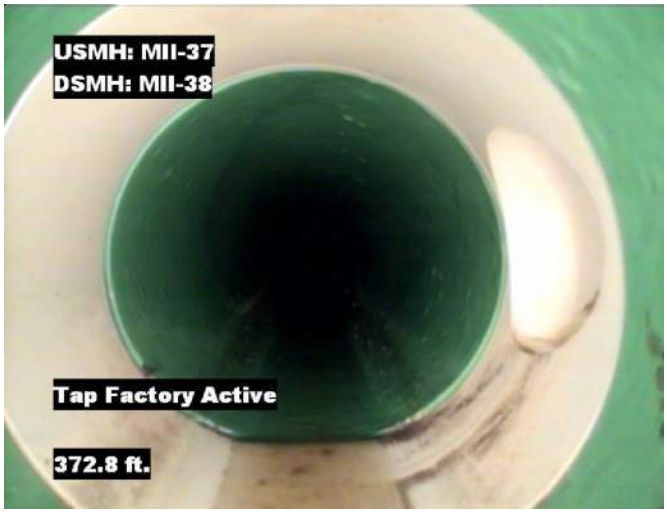
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
MII-37	**MEAD**	**MARGIL ROAD**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
MII-37			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-38	**401.9**		**8**	**8**		



Distance: 341.8 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 343.1 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A



Distance: 372.8 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A

Distance: 380.2 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A

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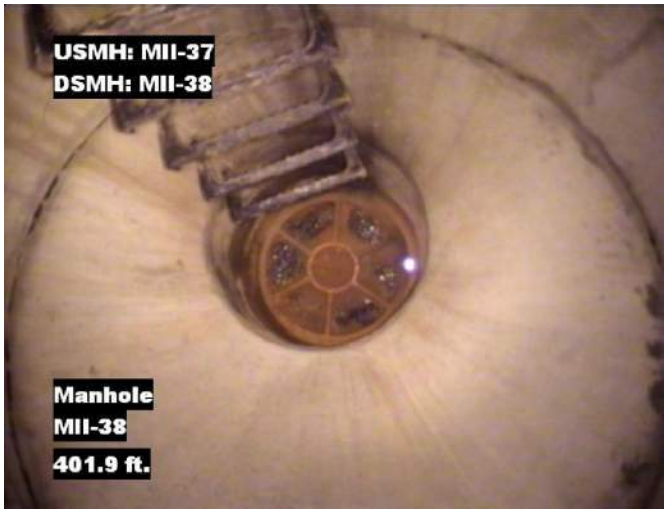
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
MII-37	**MEAD**	**MARGIL ROAD**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
MII-37			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-38	**401.9**		**8**	**8**		



Distance: 401.9 ft. **Grade:** N/A
Condition: Access Point Manhole
Remarks: MII-38

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Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
MII-38	**MEAD**	**MARGIL ROAD**	**PolyVinyl Chloride**		**Sanitary**

Upstream MH	Total Length	Year Laid	Shape	Location Details
MII-38			**Circular**	

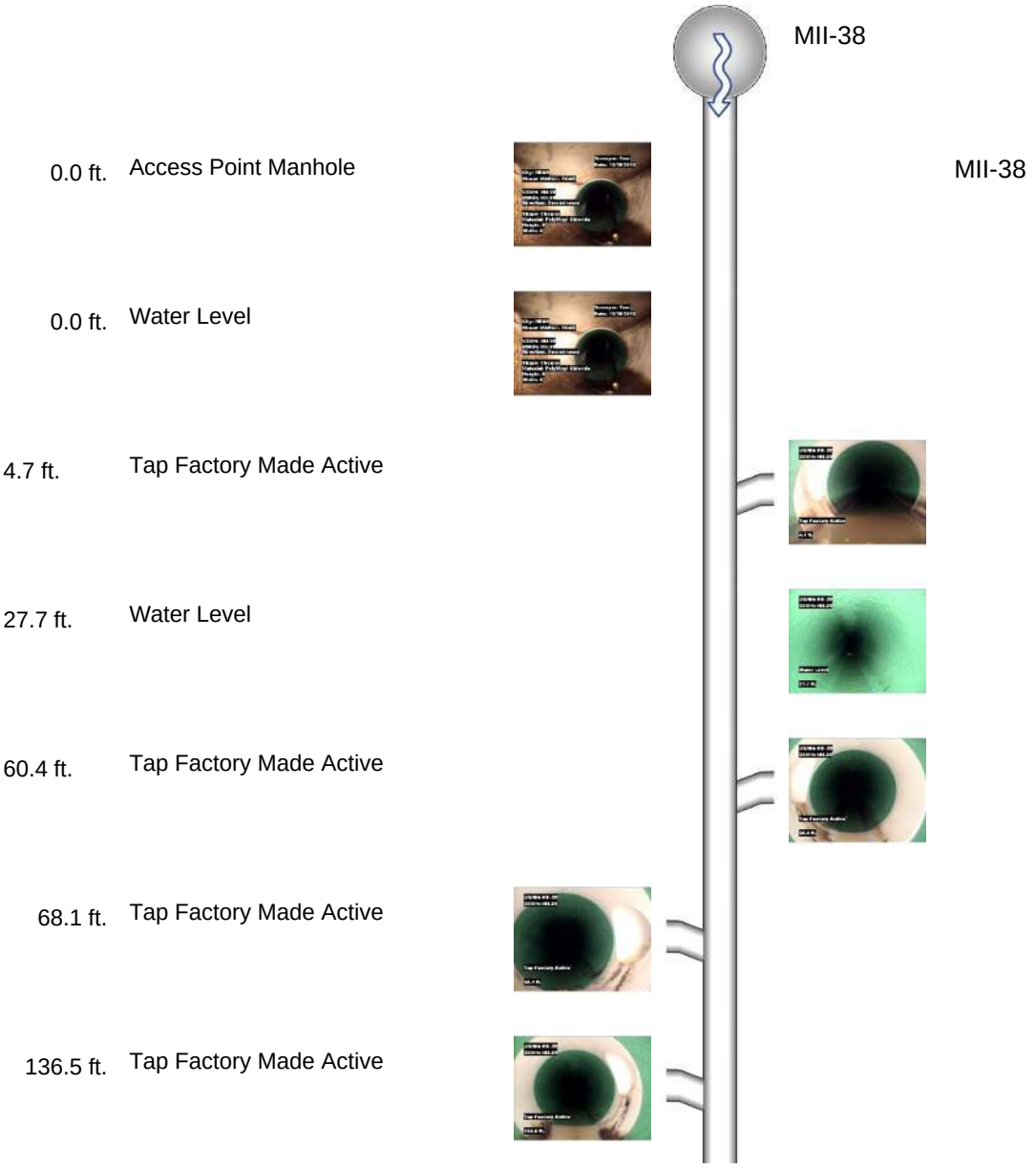
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-39	**402.8**		**8**	**8**		

SPR	N/A	MPR	N/A	PO Number	Customer
SPRI	N/A	MPRI	N/A		
QSR	N/A	QMR	N/A	Work Order	Purpose: **Routine Assessment**

OPR	Surveyed By	Direction	Date	Media label
N/A	**Tom**	**Downstream**	**20121016**	**2012**

OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
N/A	**U-109-7985**	**Jetting**	**15:14**	**Dry**	

Date Cleaned	End Time	Additional Info
	15:31	



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Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
MII-38	**MEAD**	**MARGIL ROAD**	**PolyVinyl Chloride**		**Sanitary**
Upstream MH	Total Length	Year Laid	Shape	Location Details	
MII-38			**Circular**		
DS Manhole	Length surveyed	Year Renew...	Height / Width	Pipe Joint...	
MII-39	**402.8**		**8** / **8**		

SPR **N/A**	MPR **N/A**	PO Number		Customer	
SPRI **N/A**	MPRI **N/A**	Work Order		Purpose	
QSR **N/A**	QMR **N/A**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
N/A	**Tom**	**Downstream**	**20121016**	**2012**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
N/A	**U-109-7985**	**Jetting**	**15:14**	**Dry**	
Date Cleaned			End Time	Additional Info	
			15:31		

205.2 ft. Tap Factory Made Active

230.2 ft. Water Level

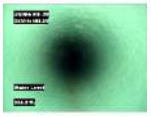
235.5 ft. Tap Factory Made Active

267.8 ft. Tap Factory Made Active

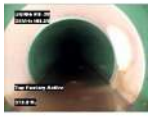
307.9 ft. Tap Factory Made Active

327.5 ft. Tap Factory Made Active

336.3 ft. Water Level



373.8 ft. Tap Factory Made Active



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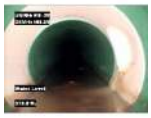
Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
MII-38	**MEAD**	**MARGIL ROAD**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
MII-38			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-39	**402.8**		**8**	**8**		

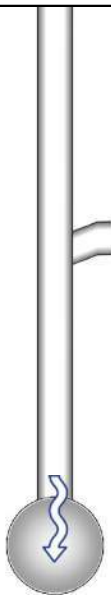
SPR **N/A**	MPR **N/A**	PO Number		Customer	
SPRI **N/A**	MPRI **N/A**	Work Order		Purpose	
QSR **N/A**	QMR **N/A**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
N/A	**Tom**	**Downstream**	**20121016**	**2012**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
N/A	**U-109-7985**	**Jetting**	**15:14**	**Dry**	
Date Cleaned			End Time	Additional Info	
			15:31		

373.8 ft. Water Level



394.0 ft. Tap Factory Made Active

402.8 ft. Access Point Manhole



MII-39

MII-39

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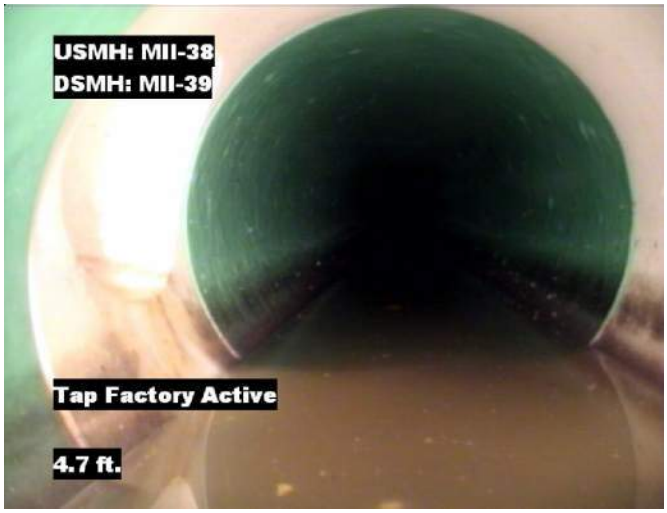
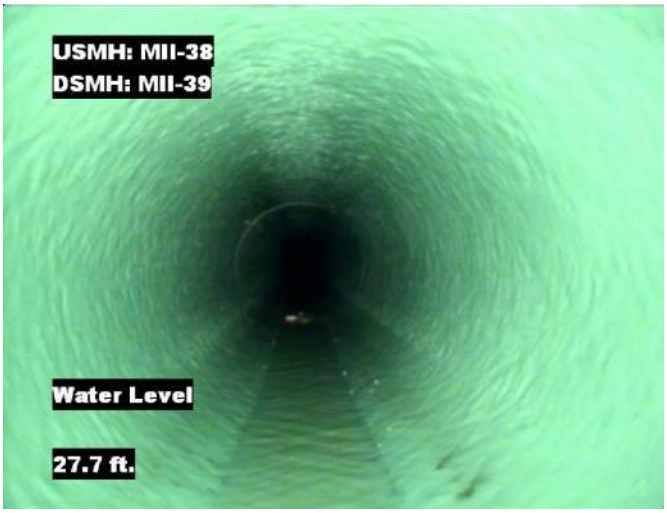
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
MII-38	**MEAD**	**MARGIL ROAD**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
MII-38			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-39	**402.8**		**8**	**8**		

Distance: 0.0 ft. **Grade:** N/A
Condition: Access Point Manhole
Remarks: MII-38

Distance: 0.0 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A



Distance: 4.7 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 27.7 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A

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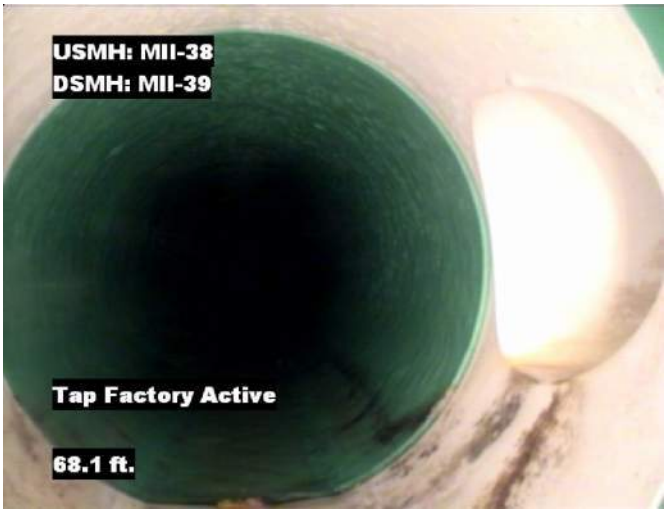
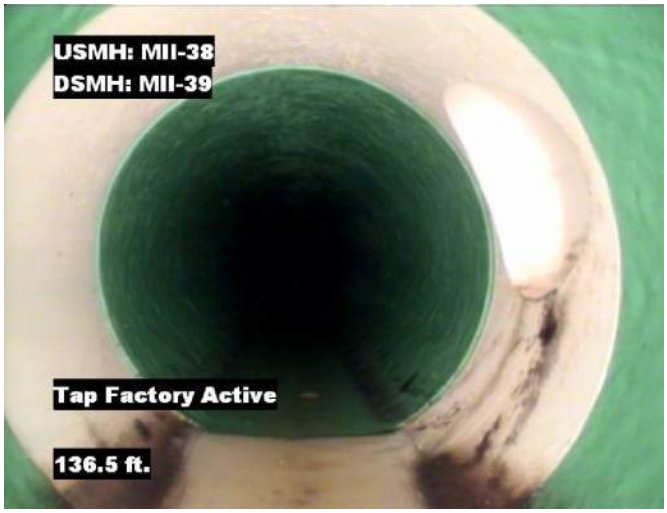
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
MII-38	**MEAD**	**MARGIL ROAD**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
MII-38			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-39	**402.8**		**8**	**8**		

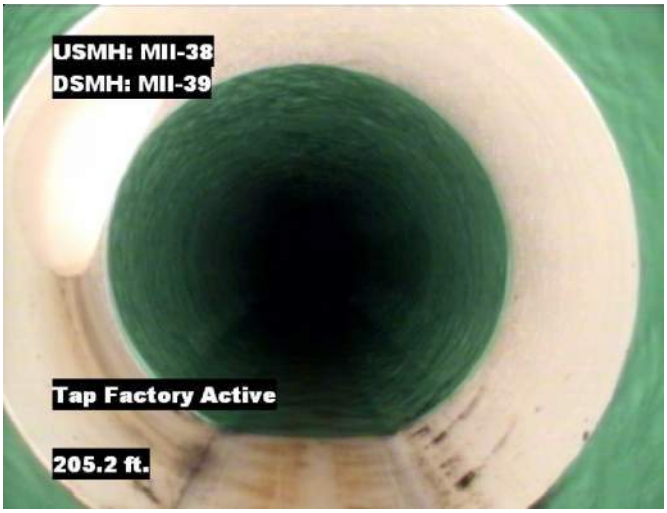
Distance: 60.4 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 68.1 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 136.5 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 205.2 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A

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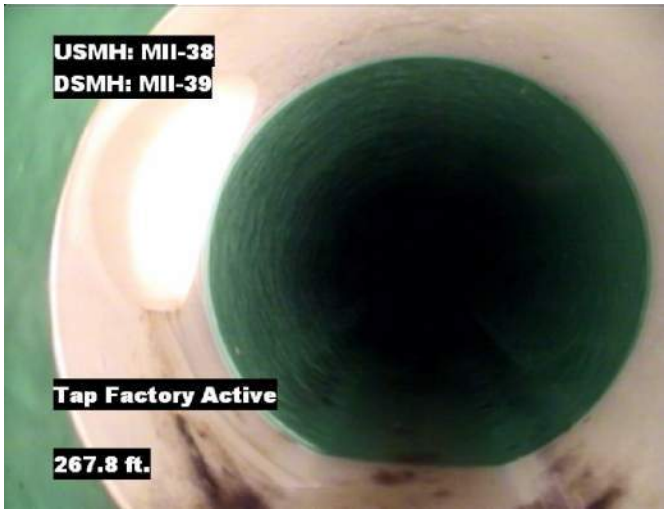
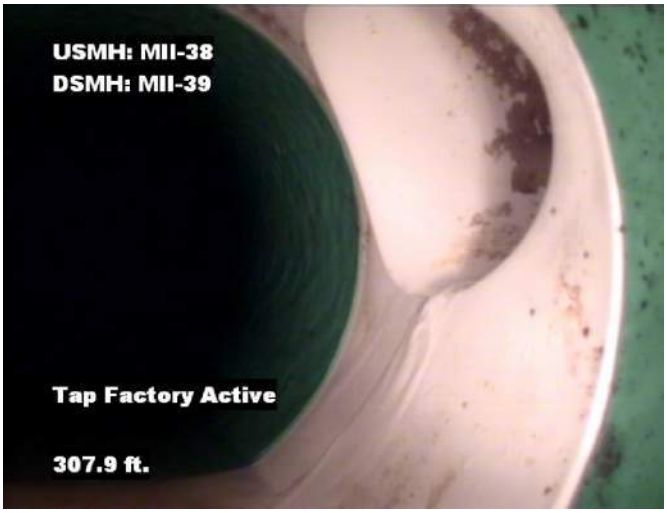
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
MII-38	**MEAD**	**MARGIL ROAD**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
MII-38			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-39	**402.8**		**8**	**8**		

Distance: 230.2 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A

Distance: 235.5 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 267.8 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 307.9 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A

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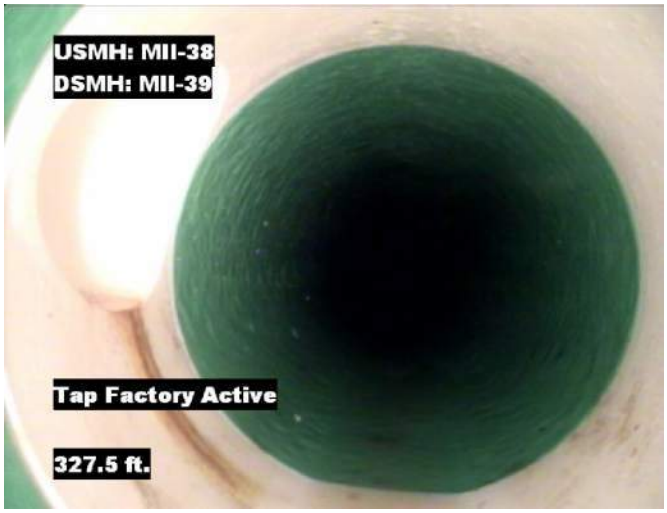
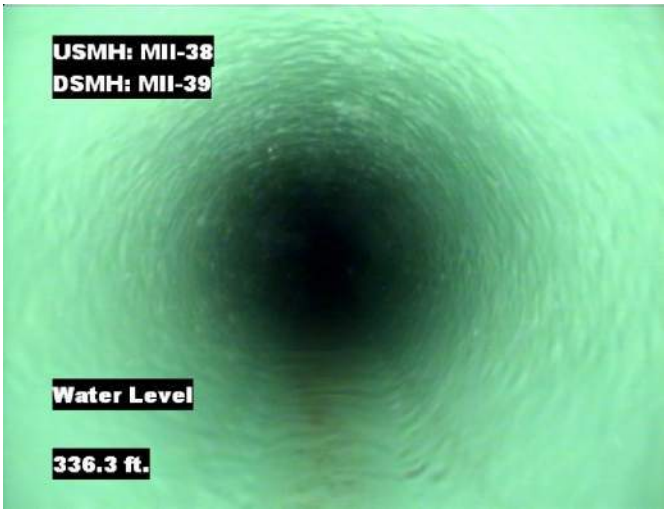
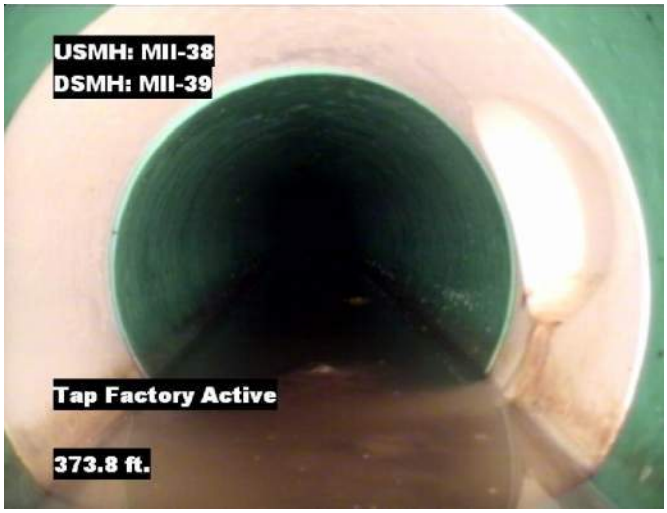
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
MII-38	**MEAD**	**MARGIL ROAD**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
MII-38			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-39	**402.8**		**8**	**8**		



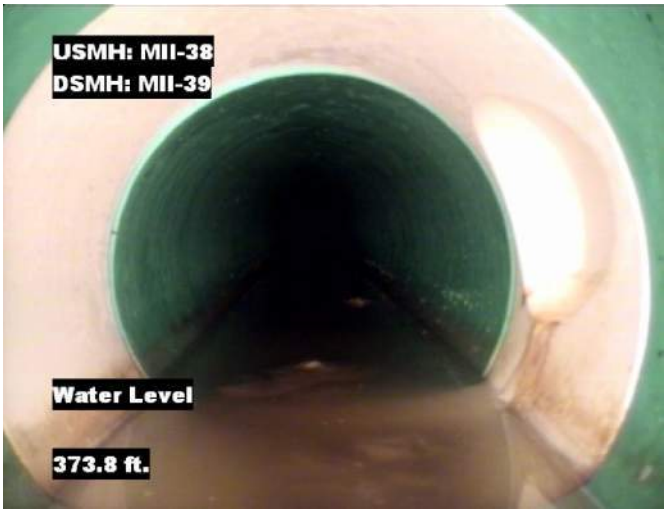
Distance: 327.5 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 336.3 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A



Distance: 373.8 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 373.8 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A

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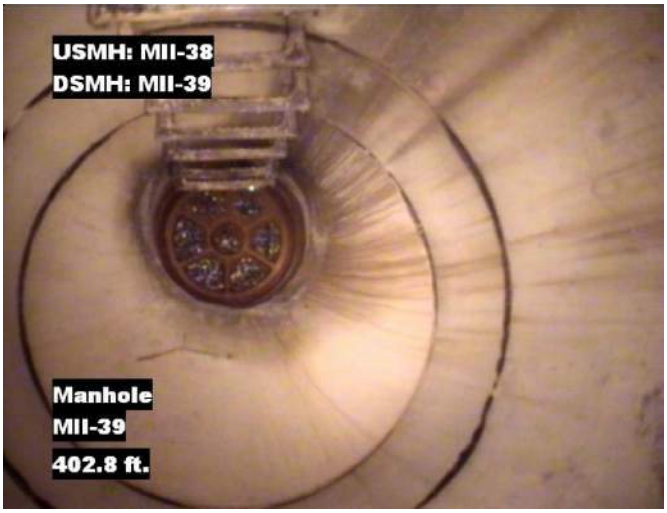
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
MII-38	**MEAD**	**MARGIL ROAD**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
MII-38			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-39	**402.8**		**8**	**8**		

Distance: 394.0 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 402.8 ft. **Grade:** N/A
Condition: Access Point Manhole
Remarks: MII-39

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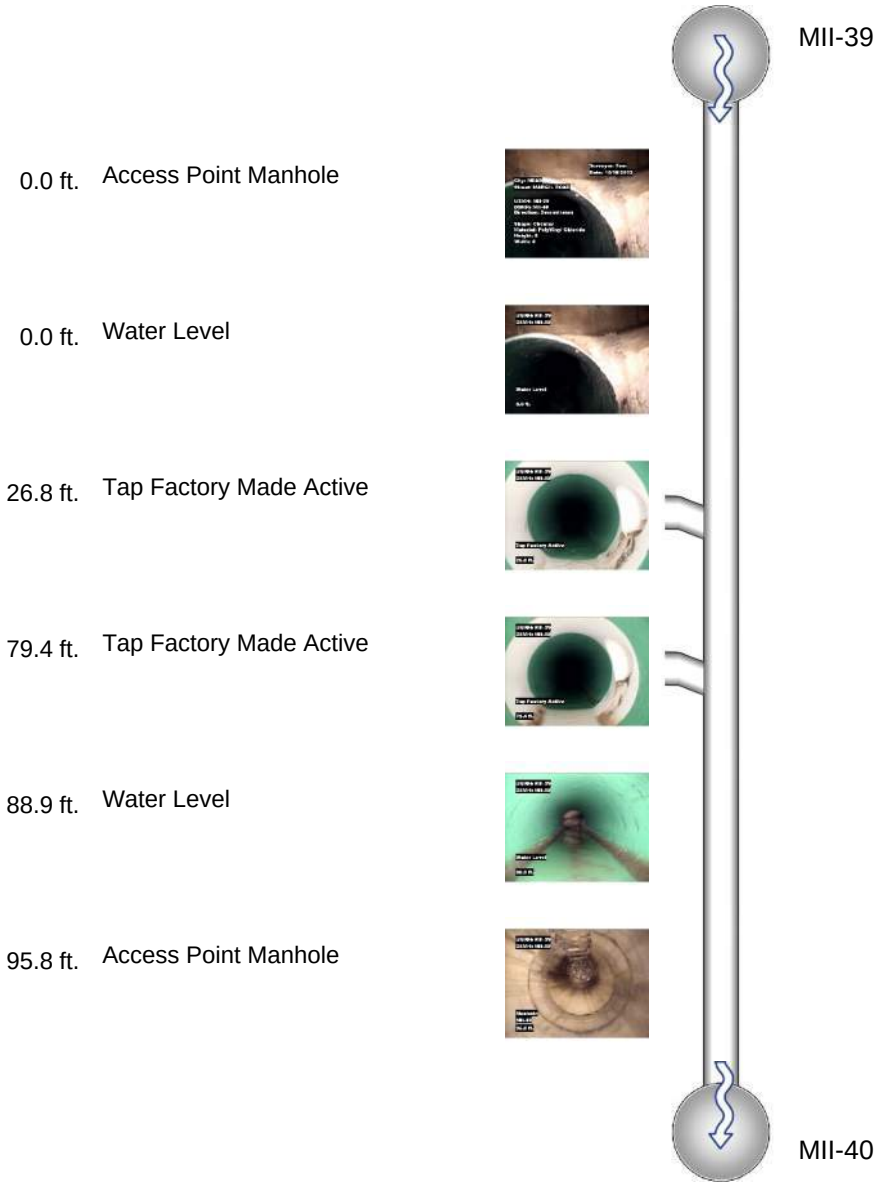
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
MII-39	**MEAD**	**MARGIL ROAD**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
MII-39			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-40	**95.8**		**8**	**8**		

SPR **N/A**	MPR **N/A**	PO Number		Customer	
SPRI **N/A**	MPRI **N/A**	Work Order		Purpose	
QSR **N/A**	QMR **N/A**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
N/A	**Tom**	**Downstream**	**20121018**	**2012**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
N/A	**U-109-7985**	**Jetting**	**07:19**	**Dry**	
Date Cleaned			End Time	Additional Info	
			07:23		



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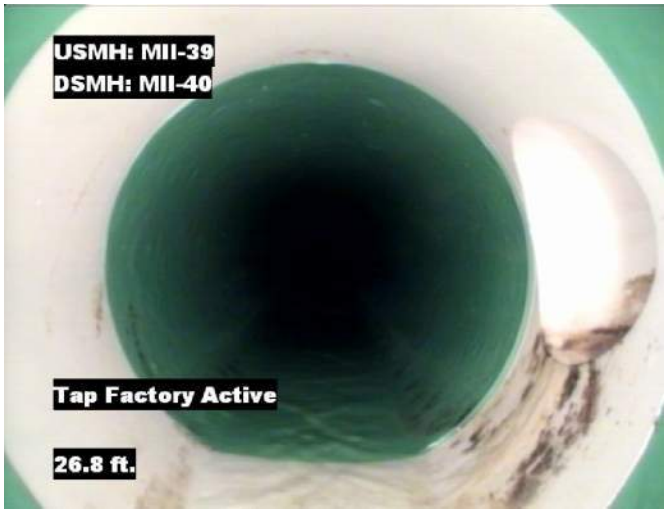
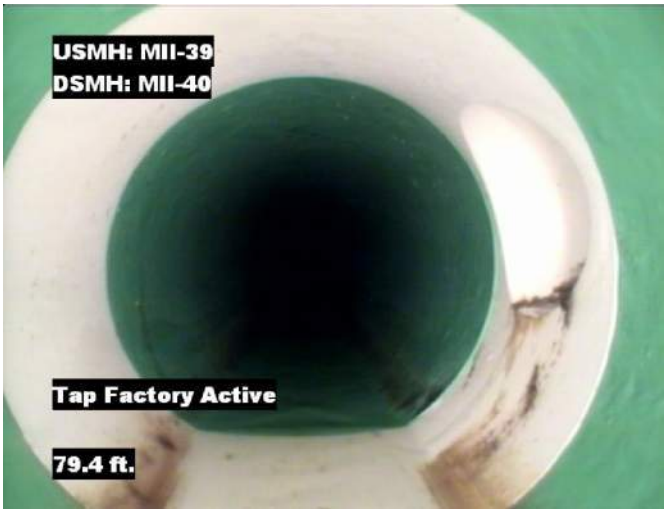
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
MII-39	**MEAD**	**MARGIL ROAD**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
MII-39			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-40	**95.8**		**8**	**8**		

Distance: 0.0 ft. **Grade:** N/A
Condition: Access Point Manhole
Remarks: MII-39

Distance: 0.0 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A



Distance: 26.8 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 79.4 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A

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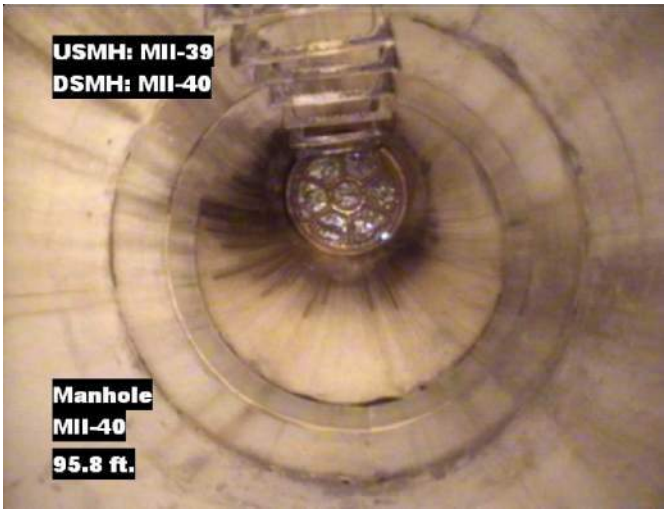
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
MII-39	**MEAD**	**MARGIL ROAD**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
MII-39			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-40	**95.8**		**8**	**8**		

Distance: 88.9 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A



Distance: 95.8 ft. **Grade:** N/A
Condition: Access Point Manhole
Remarks: MII-40

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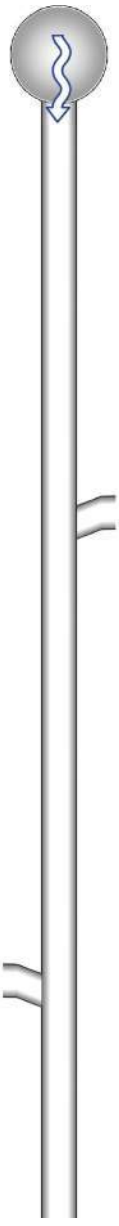
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
MII-40	**MEAD**	**MARGIL ROAD**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
MII-40			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-41	**129.4**		**8**	**8**		

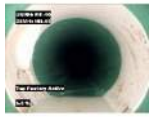
SPR **N/A**	MPR **N/A**	PO Number		Customer	
SPRI **N/A**	MPRI **N/A**	Work Order		Purpose	
QSR **N/A**	QMR **N/A**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
N/A	**Tom**	**Downstream**	**20121018**	**2012**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
N/A	**U-109-7985**	**Jetting**	**07:25**	**Dry**	
	Date Cleaned		End Time	Additional Info	
			07:31		



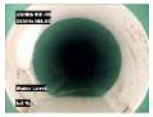
0.0 ft. Access Point Manhole

0.0 ft. Water Level

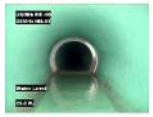
5.8 ft. Tap Factory Made Active



5.8 ft. Water Level

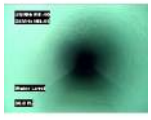


22.3 ft. Water Level



24.1 ft. Tap Factory Made Active

30.0 ft. Water Level



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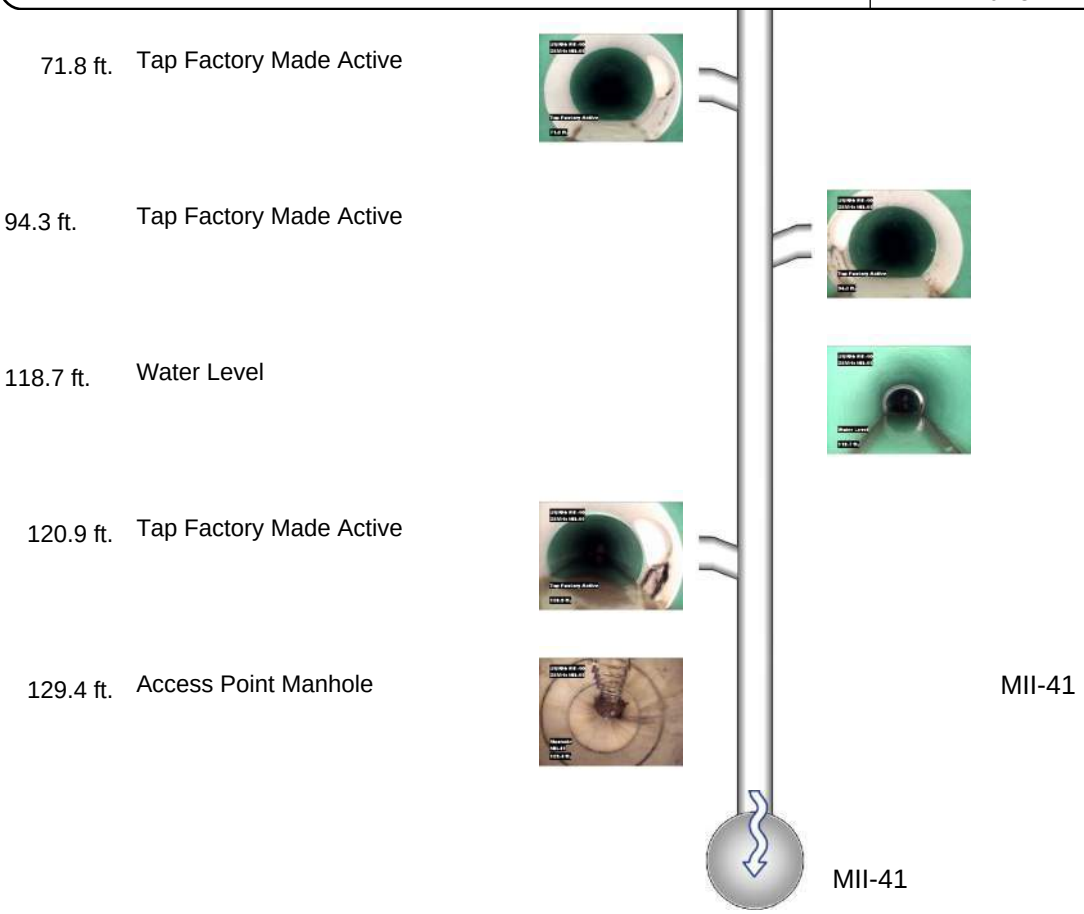
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
MII-40	**MEAD**	**MARGIL ROAD**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
MII-40			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-41	**129.4**		**8**	**8**		

SPR **N/A**	MPR **N/A**	PO Number		Customer	
SPRI **N/A**	MPRI **N/A**	Work Order		Purpose	
QSR **N/A**	QMR **N/A**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
N/A	**Tom**	**Downstream**	**20121018**	**2012**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
N/A	**U-109-7985**	**Jetting**	**07:25**	**Dry**	
Date Cleaned			End Time	Additional Info	
			07:31		



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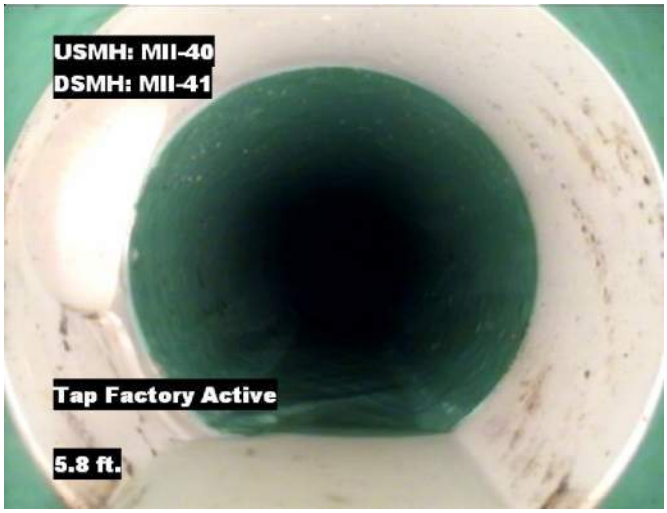
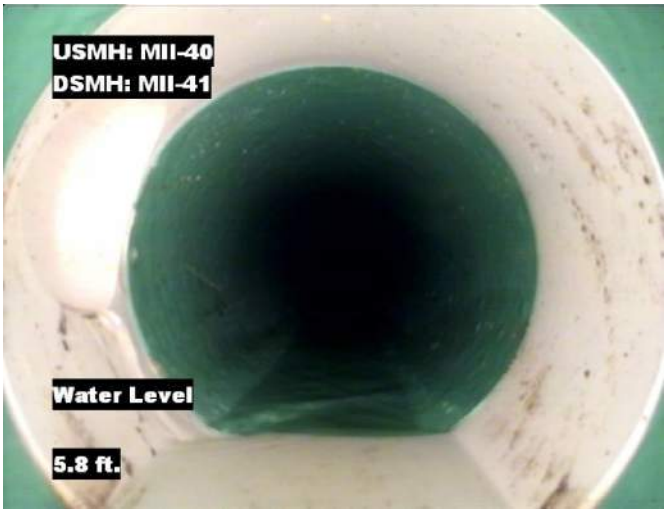
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
MII-40	**MEAD**	**MARGIL ROAD**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
MII-40			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-41	**129.4**		**8**	**8**		

Distance: 0.0 ft. **Grade:** N/A
Condition: Access Point Manhole
Remarks: MII-40

Distance: 0.0 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A



Distance: 5.8 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 5.8 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A

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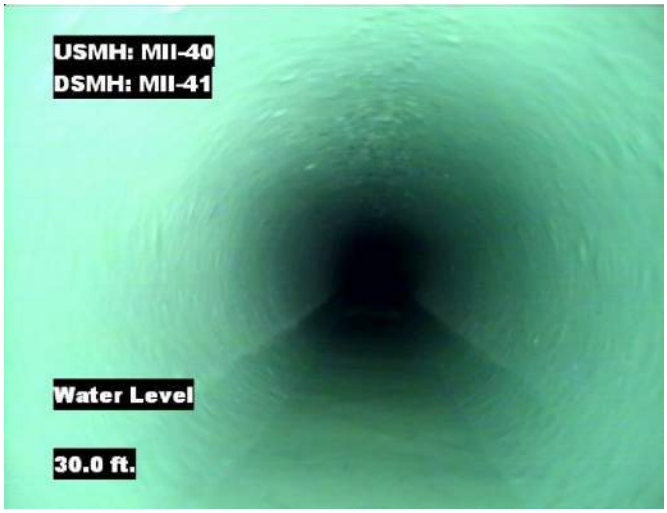
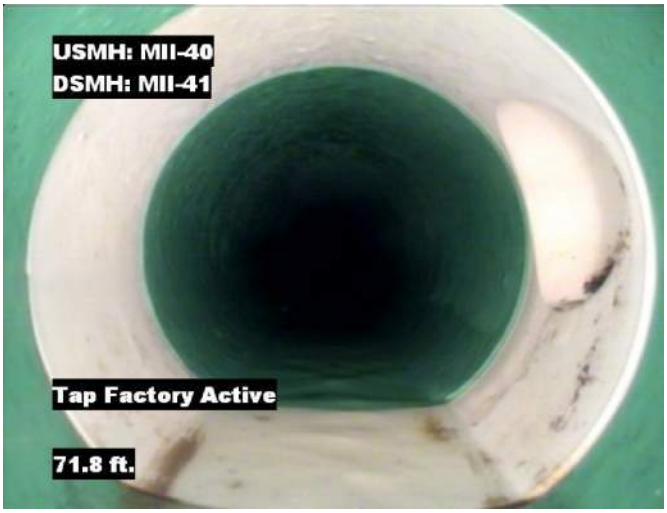
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
MII-40	**MEAD**	**MARGIL ROAD**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
MII-40			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-41	**129.4**		**8**	**8**		

Distance: 22.3 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A

Distance: 24.1 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 30.0 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A



Distance: 71.8 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A

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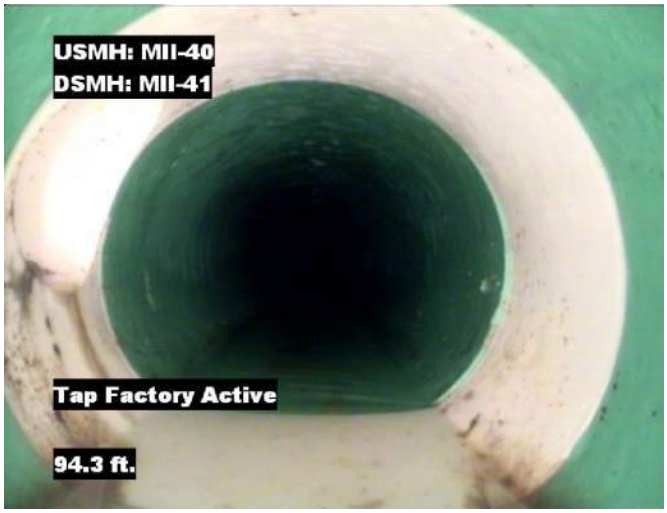
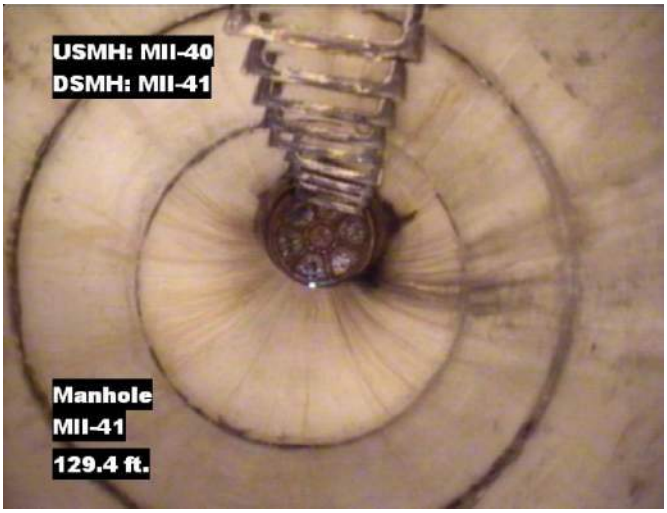
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
MII-40	**MEAD**	**MARGIL ROAD**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
MII-40			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-41	**129.4**		**8**	**8**		



Distance: 94.3 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A

Distance: 118.7 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A

Distance: 120.9 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 129.4 ft. **Grade:** N/A
Condition: Access Point Manhole
Remarks: MII-41

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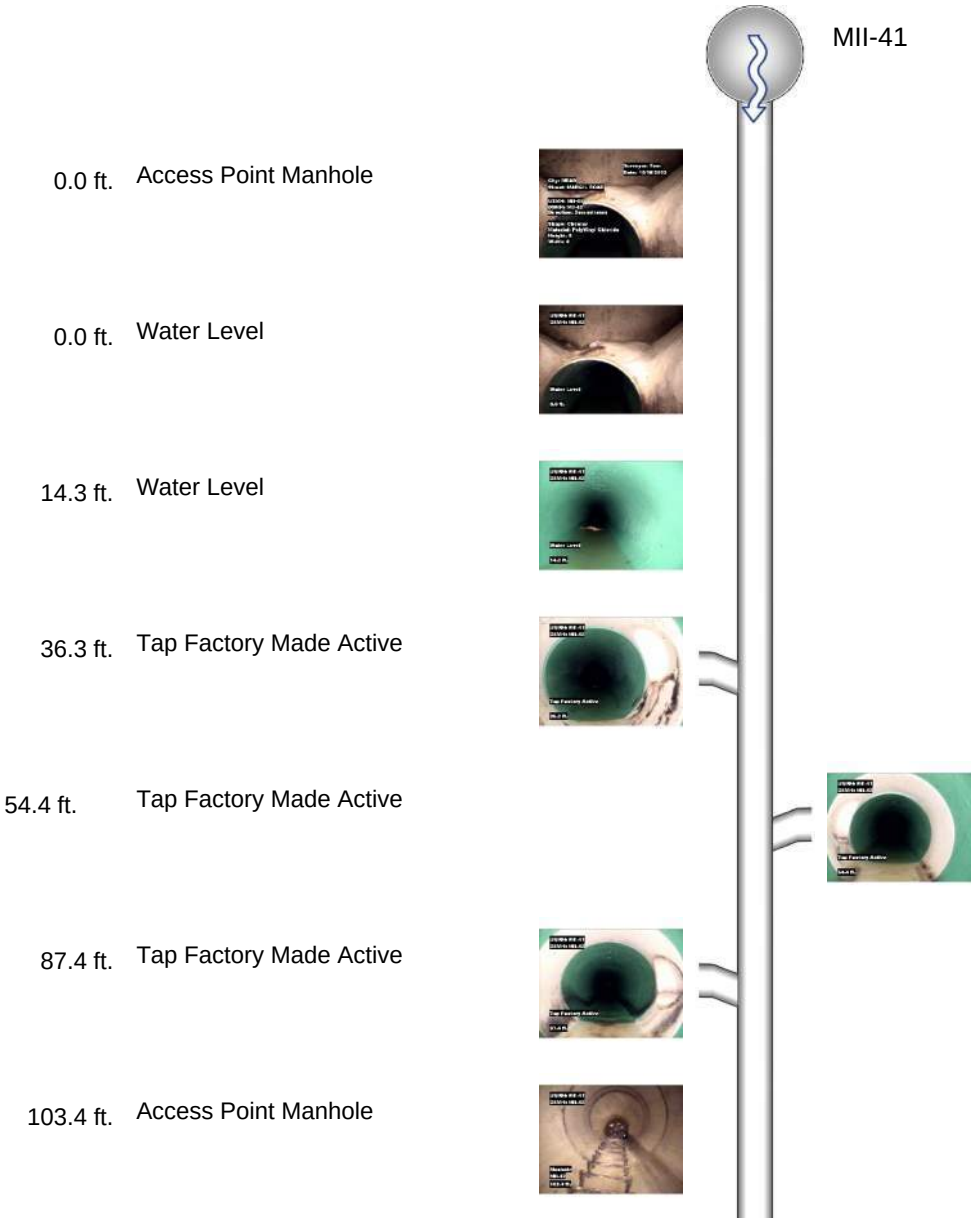
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
MII-41	**MEAD**	**MARGIL ROAD**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
MII-41			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-42	**103.4**		**8**	**8**		

SPR **N/A**	MPR **N/A**	PO Number		Customer	
SPRI **N/A**	MPRI **N/A**	Work Order		Purpose	
QSR **N/A**	QMR **N/A**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
N/A	**Tom**	**Downstream**	**20121018**	**2012**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
N/A	**U-109-7985**	**Jetting**	**07:32**	**Dry**	
	Date Cleaned		End Time	Additional Info	
			07:37		



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Albuquerque, NM
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Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
MII-41	**MEAD**	**MARGIL ROAD**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
MII-41			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-42	**103.4**		**8**	**8**		

SPR **N/A**	MPR **N/A**	PO Number		Customer	
SPRI **N/A**	MPRI **N/A**	Work Order		Purpose	
QSR **N/A**	QMR **N/A**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
N/A	**Tom**	**Downstream**	**20121018**	**2012**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
N/A	**U-109-7985**	**Jetting**	**07:32**	**Dry**	
Date Cleaned			End Time	Additional Info	
			07:37		

MII-42

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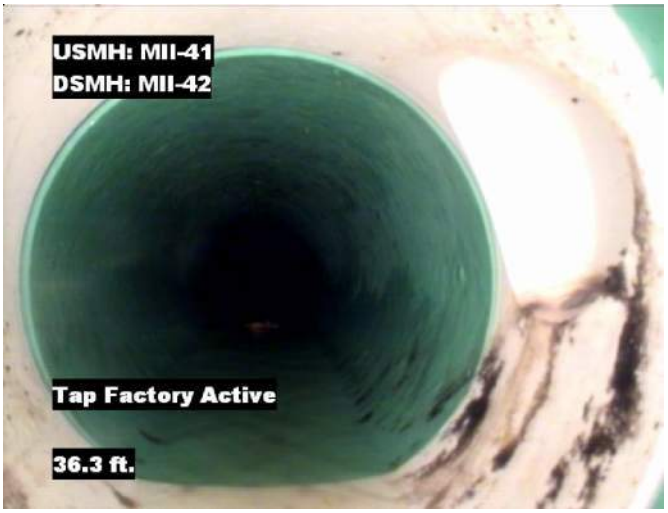
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
MII-41	**MEAD**	**MARGIL ROAD**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
MII-41			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-42	**103.4**		**8**	**8**		

Distance: 0.0 ft. **Grade:** N/A
Condition: Access Point Manhole
Remarks: MII-41

Distance: 0.0 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A

Distance: 14.3 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A



Distance: 36.3 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A

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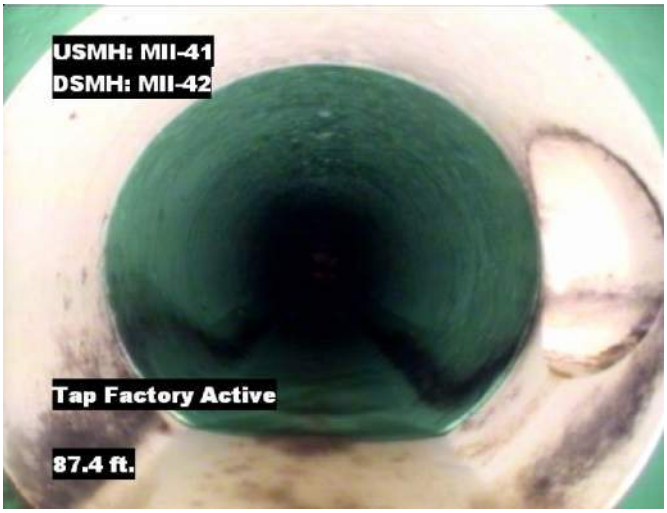
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
MII-41	**MEAD**	**MARGIL ROAD**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
MII-41			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-42	**103.4**		**8**	**8**		

Distance: 54.4 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 87.4 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A

Distance: 103.4 ft. **Grade:** N/A
Condition: Access Point Manhole
Remarks: MII-42

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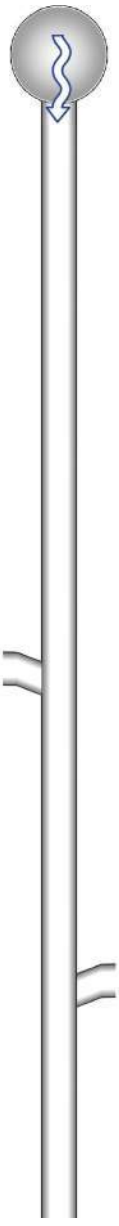
Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
MII-42	**MEAD**	**MARGIL ROAD**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
MII-42			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-43	**104.3**		**8**	**8**		

SPR **N/A**	MPR **N/A**	PO Number		Customer	
SPRI **N/A**	MPRI **N/A**	Work Order		Purpose	
QSR **N/A**	QMR **N/A**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
N/A	**Tom**	**Downstream**	**20121018**	**2012**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
N/A	**U-109-7985**	**Jetting**	**07:38**	**Dry**	
	Date Cleaned		End Time	Additional Info	
			07:43		



0.0 ft. Access Point Manhole

0.0 ft. Water Level

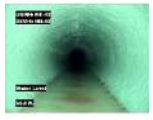
7.0 ft. Water Level

41.4 ft. Tap Factory Made Active

43.5 ft. Water Level

44.6 ft. Tap Factory Made Active

53.8 ft. Water Level



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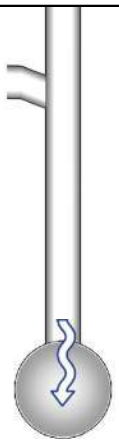
Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
MII-42	**MEAD**	**MARGIL ROAD**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
MII-42			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-43	**104.3**		**8**	**8**		

SPR **N/A**	MPR **N/A**	PO Number		Customer	
SPRI **N/A**	MPRI **N/A**	Work Order		Purpose	
QSR **N/A**	QMR **N/A**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
N/A	**Tom**	**Downstream**	**20121018**	**2012**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
N/A	**U-109-7985**	**Jetting**	**07:38**	**Dry**	
Date Cleaned			End Time	Additional Info	
			07:43		

96.7 ft. Tap Factory Made Active

104.3 ft. Access Point Manhole



MII-43

MII-43

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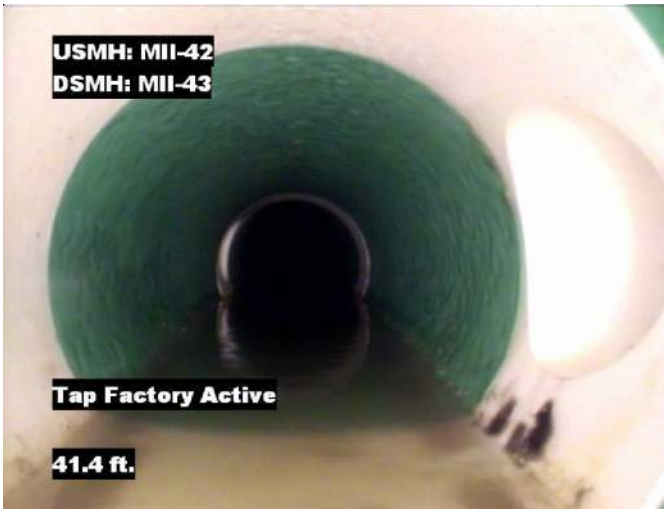
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
MII-42	**MEAD**	**MARGIL ROAD**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
MII-42			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-43	**104.3**		**8**	**8**		

Distance: 0.0 ft. **Grade:** N/A
Condition: Access Point Manhole
Remarks: MII-42

Distance: 0.0 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A

Distance: 7.0 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A



Distance: 41.4 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A

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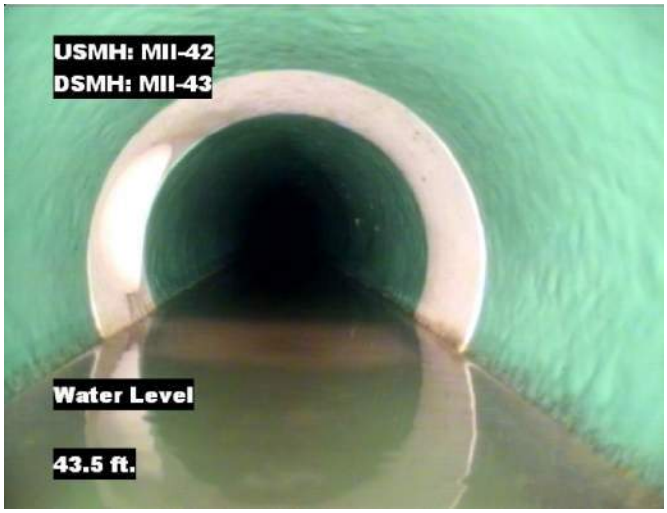
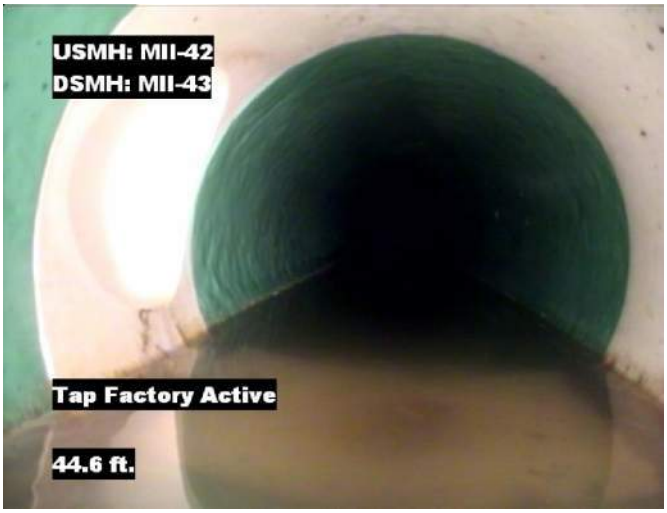
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
MII-42	**MEAD**	**MARGIL ROAD**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
MII-42			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-43	**104.3**		**8**	**8**		

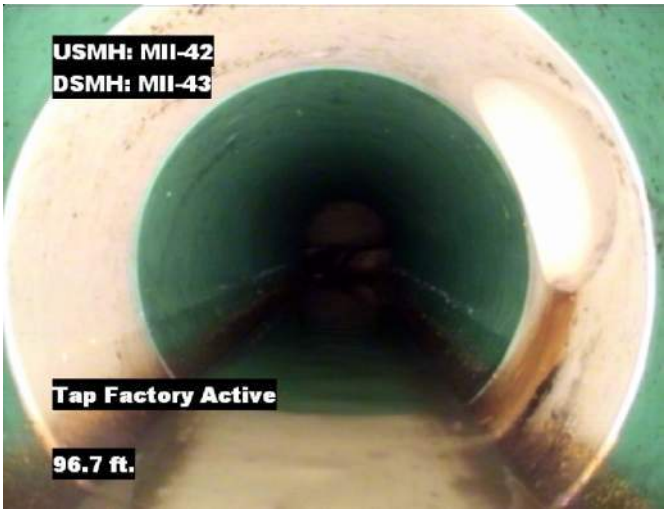


Distance: 43.5 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A



Distance: 44.6 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A

Distance: 53.8 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A



Distance: 96.7 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A

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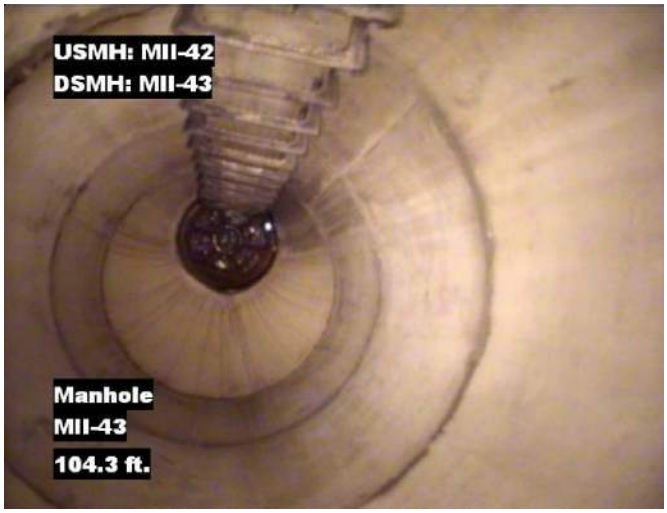
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
MII-42	**MEAD**	**MARGIL ROAD**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
MII-42			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-43	**104.3**		**8**	**8**		



Distance: 104.3 ft. **Grade:** N/A
Condition: Access Point Manhole
Remarks: MII-43

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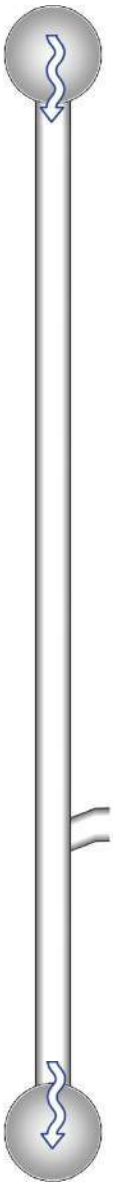
Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
VVI-23	**MEAD**	**FOXTAIL COURT**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
VVI-23			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
VVI-15	**339.2**		**8**	**8**		

SPR **N/A**	MPR **N/A**	PO Number		Customer	
SPRI **N/A**	MPRI **N/A**	Work Order		Purpose	
QSR **N/A**	QMR **N/A**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
N/A	**Tom**	**Downstream**	**20121018**	**2012**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
N/A	**U-109-7985**	**Jetting**	**09:24**	**Dry**	
	Date Cleaned		End Time	Additional Info	
			09:34		

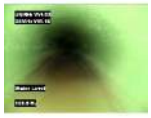


0.0 ft. Access Point Manhole

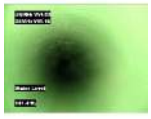
VVI-23

0.0 ft. Water Level

133.9 ft. Water Level



141.4 ft. Water Level



178.9 ft. Tap Factory Made Active

339.2 ft. Access Point Manhole

VVI-15

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Albuquerque, NM
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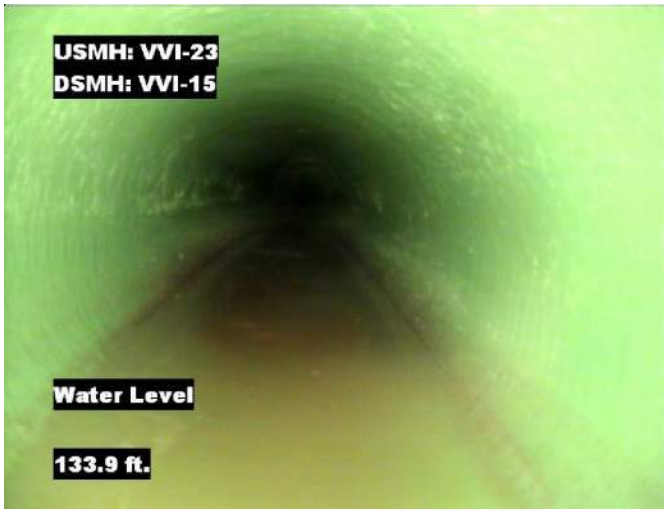
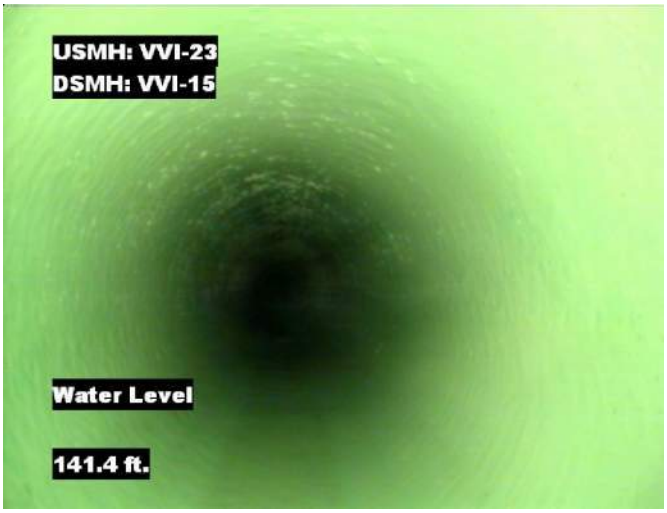
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
VVI-23	**MEAD**	**FOXTAIL COURT**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
VVI-23			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
VVI-15	**339.2**		**8**	**8**		

Distance:	0.0 ft.	**Grade:**	N/A
Condition:	Access Point Manhole		
Remarks:	VVI-23		

Distance:	0.0 ft.	**Grade:**	N/A
Condition:	Water Level		
Remarks:	N/A		



Distance:	133.9 ft.	**Grade:**	N/A
Condition:	Water Level		
Remarks:	N/A		



Distance:	141.4 ft.	**Grade:**	N/A
Condition:	Water Level		
Remarks:	N/A		

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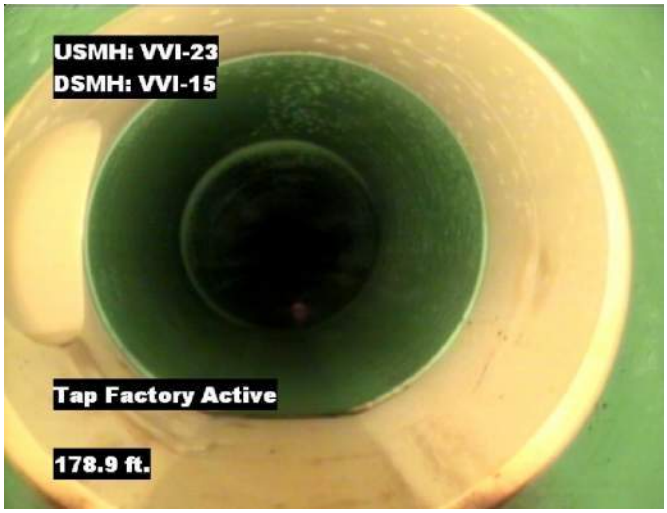
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
VVI-23	**MEAD**	**FOXTAIL COURT**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
VVI-23			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
VVI-15	**339.2**		**8**	**8**		



Distance: 178.9 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A

Distance: 339.2 ft. **Grade:** N/A
Condition: Access Point Manhole
Remarks: VVI-15

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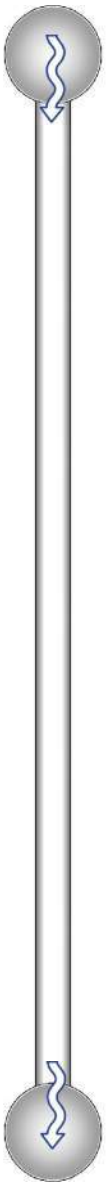
Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
VVI-4	**MEAD**	**EASEMENT**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
VVI-4			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
VVI-3	**182.5**		**15**	**15**		

				PO Number	Customer
SPR	**N/A**	MPR	**N/A**		
SPRI	**N/A**	MPRI	**N/A**	Work Order	Purpose
QSR	**N/A**	QMR	**N/A**		**Routine Assessment**

OPR	Surveyed By	Direction	Date	Media label
N/A	**Tom**	**Downstream**	**20121019**	**2012**
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
N/A	**U-109-7985**	**Jetting**	**10:41**	**Dry**
Date Cleaned			End Time	Additional Info
			10:46	



0.0 ft. Access Point Manhole

VVI-4

0.0 ft. Water Level

44.6 ft. Water Level

63.2 ft. Water Level

105.7 ft. Water Level

182.5 ft. Access Point Manhole

VVI-3

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Albuquerque, NM
505-341-0109

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Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
VVI-4	**MEAD**	**EASEMENT**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
VVI-4			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
VVI-3	**182.5**		**15**	**15**		

Distance: 0.0 ft. **Grade:** N/A
Condition: Access Point Manhole
Remarks: VVI-4

Distance: 0.0 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A

Distance: 44.6 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A

Distance: 63.2 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A

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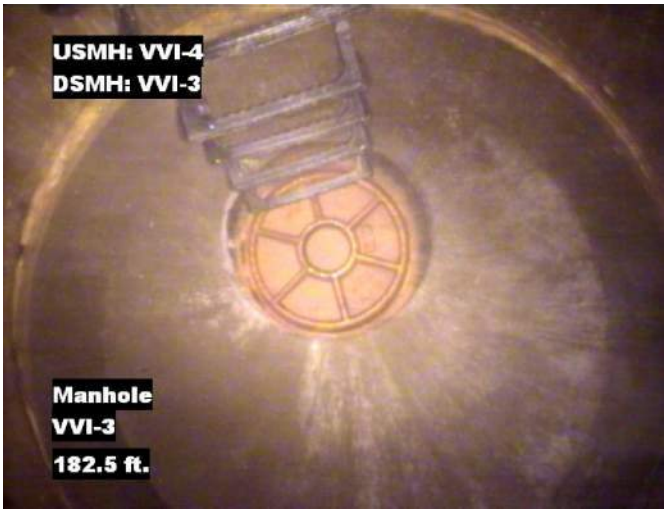
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
VVI-4	**MEAD**	**EASEMENT**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
VVI-4			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
VVI-3	**182.5**		**15**	**15**		

Distance: 105.7 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A



Distance: 182.5 ft. **Grade:** N/A
Condition: Access Point Manhole
Remarks: VVI-3

DES
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Greeley CO 80633
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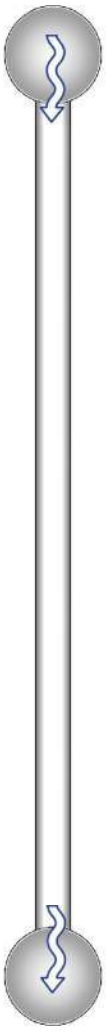
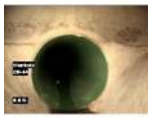
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
CR-44	**MEAD**	**SCHUMANN PL**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
CR-44			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
CR-43	**40.3**		**8**	**8**		

SPR **N/A**	MPR **N/A**	PO Number		Customer	
SPRI **N/A**	MPRI **N/A**	Work Order		Purpose	
QSR **N/A**	QMR **N/A**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
N/A	**Tom**	**Downstream**	**20141013**	**2014**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
N/A	**U-109-7985**	**Jetting**	**11:07**	**Damp**	
Date Cleaned			End Time	Additional Info	
			11:09		

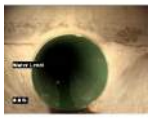


0.0 ft. Manhole



CR-44

0.0 ft. Water Level



9.3 ft. Water Level

14.2 ft. Water Level

40.3 ft. Manhole

CR-43

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Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
CR-44	**MEAD**	**SCHUMANN PL**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
CR-44			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
CR-43	**40.3**		**8**	**8**		

Distance: 0.0 ft. **Grade:** 0
Condition: Manhole
Remarks: CR-44

Distance: 0.0 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A

Distance: 9.3 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A

Distance: 14.2 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A

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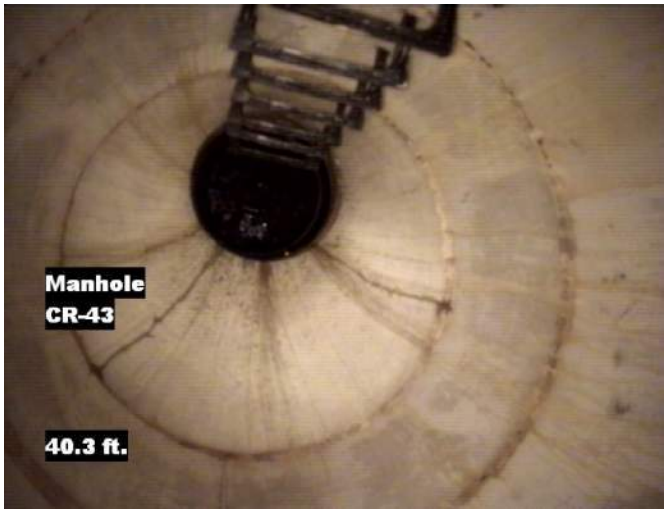
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
CR-44	**MEAD**	**SCHUMANN PL**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
CR-44			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
CR-43	**40.3**		**8**	**8**		



Distance: 40.3 ft. **Grade:** 0
Condition: Manhole
Remarks: CR-43

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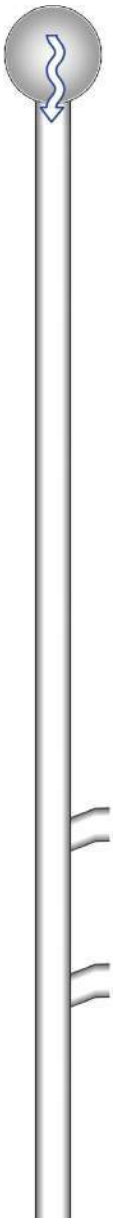
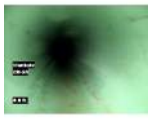
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
CR-50	**MEAD**	**DEACON DR**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
CR-50			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
CR-49	**258.7**		**8**	**8**		

SPR **N/A**	MPR **N/A**	PO Number		Customer	
SPRI **N/A**	MPRI **N/A**	Work Order		Purpose	
QSR **N/A**	QMR **N/A**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
N/A	**Tom**	**Downstream**	**20141013**	**2014**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
N/A	**U-109-7985**	**Jetting**	**12:56**	**Damp**	
Date Cleaned			End Time	Additional Info	
			13:03		



0.0 ft. Manhole



0.0 ft. Water Level

11.0 ft. Water Level

19.1 ft. Water Level

168.3 ft. Tap Factory Active

243.7 ft. Tap Factory Active

258.7 ft. Manhole

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Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
CR-50	**MEAD**	**DEACON DR**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
CR-50			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
CR-49	**258.7**		**8**	**8**		

SPR **N/A**	MPR **N/A**	PO Number		Customer	
SPRI **N/A**	MPRI **N/A**	Work Order		Purpose	
QSR **N/A**	QMR **N/A**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
N/A	**Tom**	**Downstream**	**20141013**	**2014**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
N/A	**U-109-7985**	**Jetting**	**12:56**	**Damp**	
Date Cleaned			End Time	Additional Info	
			13:03		

CR-49

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Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
CR-50	**MEAD**	**DEACON DR**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
CR-50			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
CR-49	**258.7**		**8**	**8**		

Distance: 0.0 ft. **Grade:** 0
Condition: Manhole
Remarks: CR-50

Distance: 0.0 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A

Distance: 11.0 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A

Distance: 19.1 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A

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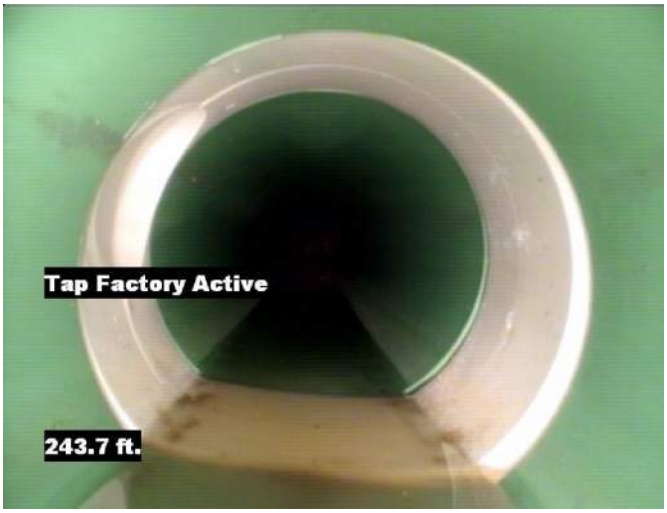
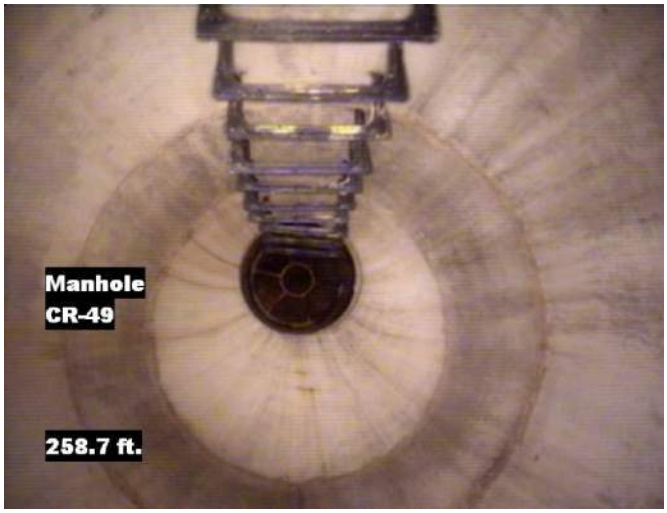
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
CR-50	**MEAD**	**DEACON DR**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
CR-50			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
CR-49	**258.7**		**8**	**8**		

Distance: 168.3 ft. **Grade:** 0
Condition: Tap Factory Active
Remarks: N/A



Distance: 243.7 ft. **Grade:** 0
Condition: Tap Factory Active
Remarks: N/A



Distance: 258.7 ft. **Grade:** 0
Condition: Manhole
Remarks: CR-49

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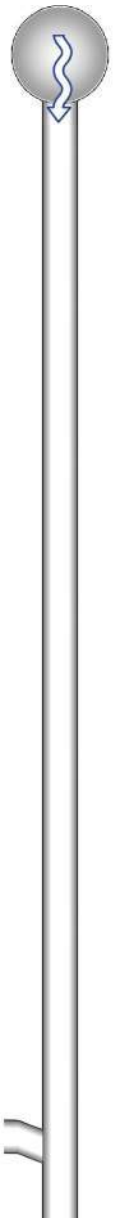
Defect Listing Plot with Images

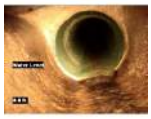
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
CR-39	**MEAD**	**EASEMENT**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
CR-39			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
CR-38	**394.7**		**8**	**8**		

SPR **N/A**	MPR **N/A**	PO Number		Customer	
SPRI **N/A**	MPRI **N/A**	Work Order		Purpose	
QSR **N/A**	QMR **N/A**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
N/A	**Tom**	**Downstream**	**20141013**	**2014**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
N/A	**U-109-7985**	**Jetting**	**10:00**	**Damp**	
Date Cleaned			End Time	Additional Info	
			10:11		



0.0 ft. Manhole

0.0 ft. Water Level



7.0 ft. Water Level

16.6 ft. Water Level

73.6 ft. Water Level

79.9 ft. Water Level

384.5 ft. Tap Factory Active

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Defect Listing Plot with Images

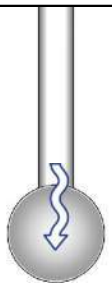
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
CR-39	**MEAD**	**EASEMENT**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
CR-39			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
CR-38	**394.7**		**8**	**8**		

SPR	**N/A**	MPR	**N/A**	PO Number	Customer
SPRI	**N/A**	MPRI	**N/A**		
QSR	**N/A**	QMR	**N/A**	Work Order	Purpose
					Routine Assessment

OPR	Surveyed By	Direction	Date	Media label
N/A	**Tom**	**Downstream**	**20141013**	**2014**
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
N/A	**U-109-7985**	**Jetting**	**10:00**	**Damp**
Date Cleaned			End Time	Additional Info
			10:11	

394.7 ft. Manhole

CR-38



CR-38

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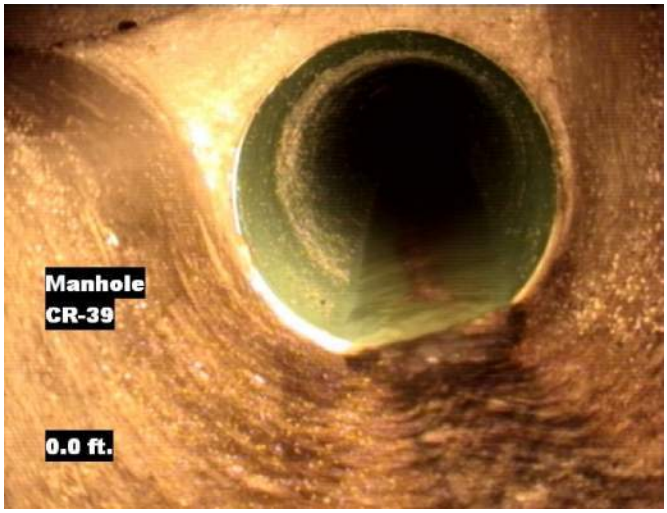
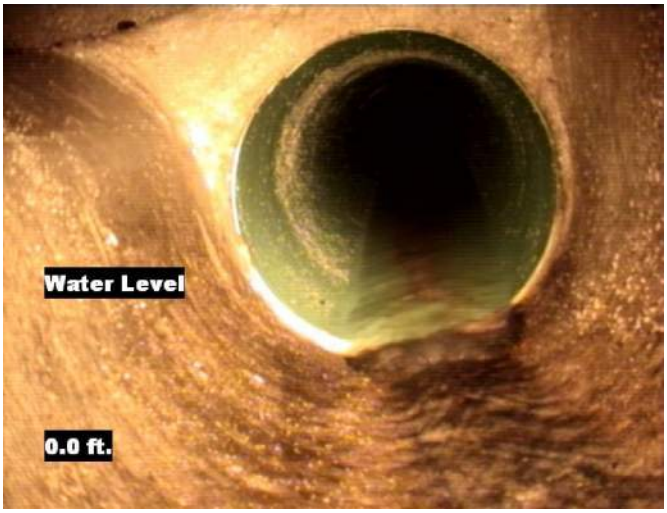
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
CR-39	**MEAD**	**EASEMENT**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
CR-39			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
CR-38	**394.7**		**8**	**8**		



Distance: 0.0 ft. **Grade:** 0
Condition: Manhole
Remarks: CR-39



Distance: 0.0 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A

Distance: 7.0 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A

Distance: 16.6 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A

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Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
CR-39	**MEAD**	**EASEMENT**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
CR-39			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
CR-38	**394.7**		**8**	**8**		

Distance: 73.6 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A

Distance: 79.9 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A

Distance: 384.5 ft. **Grade:** 0
Condition: Tap Factory Active
Remarks: N/A

Distance: 394.7 ft. **Grade:** 0
Condition: Manhole
Remarks: CR-38

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Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
FRE-15	**MEAD**	**EAGLE AVE**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
FRE-15			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
FRE-14	**400.1**		**8**	**8**		

SPR **N/A**	MPR **N/A**	PO Number		Customer	
SPRI **N/A**	MPRI **N/A**	Work Order		Purpose	
QSR **N/A**	QMR **N/A**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
N/A	**Tom**	**Downstream**	**20121010**	**2012**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
N/A	**U-109-7985**	**Jetting**	**10:53**	**Dry**	
Date Cleaned			End Time	Additional Info	
			11:06		

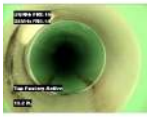
FRE-15

0.0 ft. Access Point Manhole

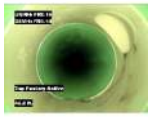
FRE-15

0.0 ft. Water Level

12.2 ft. Tap Factory Made Active



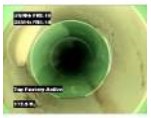
45.8 ft. Tap Factory Made Active



94.1 ft. Tap Factory Made Active

123.6 ft. Tap Factory Made Active

172.9 ft. Tap Factory Made Active



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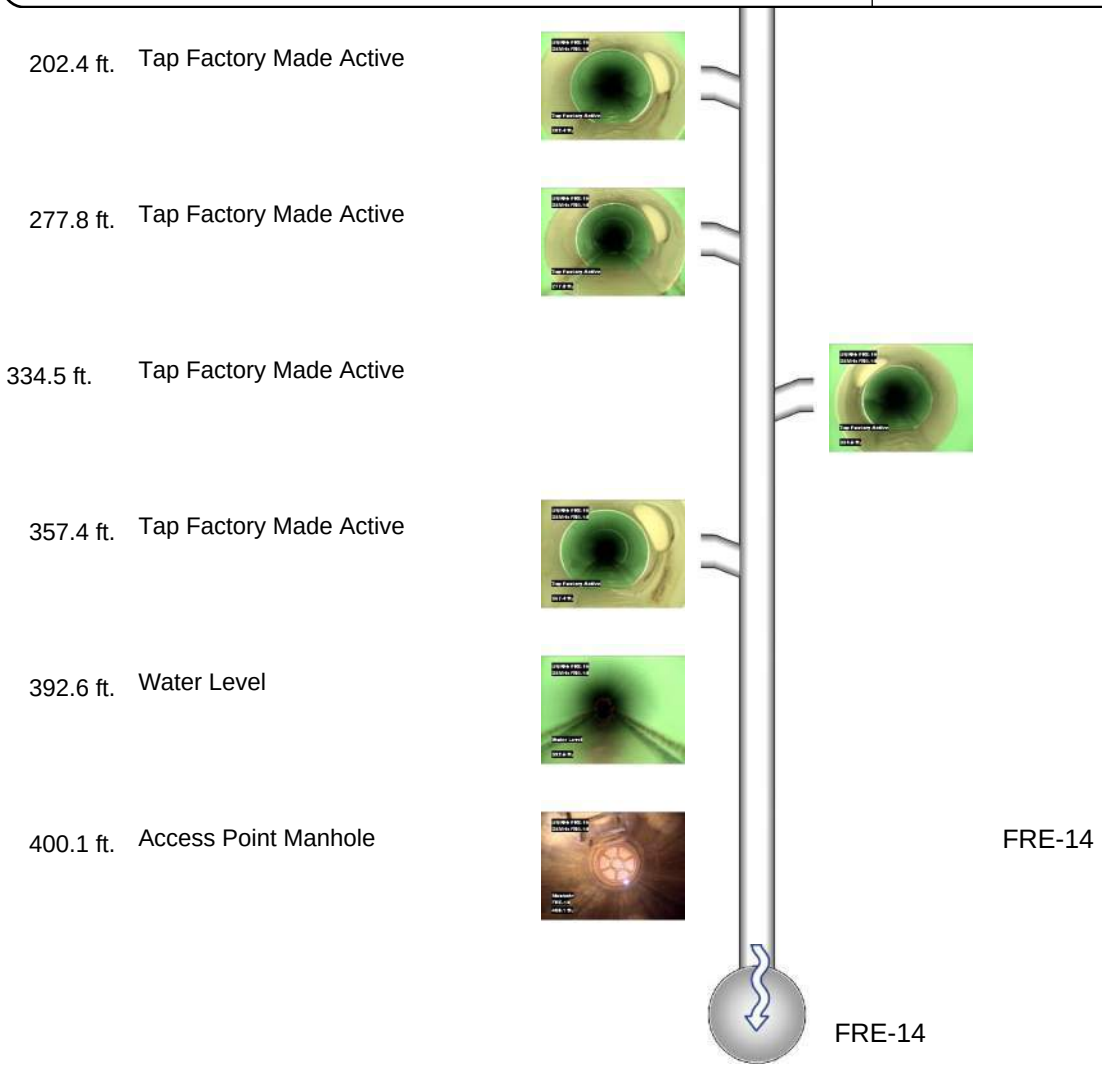
Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
FRE-15	**MEAD**	**EAGLE AVE**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
FRE-15			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
FRE-14	**400.1**		**8**	**8**		

SPR **N/A**	MPR **N/A**	PO Number		Customer	
SPRI **N/A**	MPRI **N/A**	Work Order		Purpose	
QSR **N/A**	QMR **N/A**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
N/A	**Tom**	**Downstream**	**20121010**	**2012**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
N/A	**U-109-7985**	**Jetting**	**10:53**	**Dry**	
Date Cleaned			End Time	Additional Info	
			11:06		



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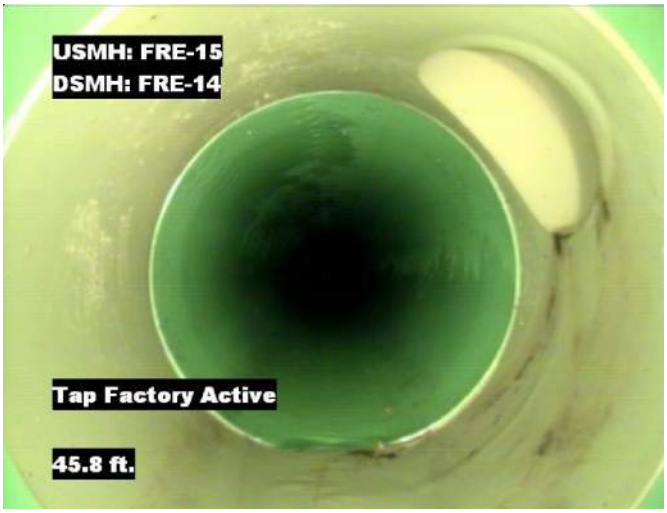
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
FRE-15	**MEAD**	**EAGLE AVE**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
FRE-15			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
FRE-14	**400.1**		**8**	**8**		

Distance: 0.0 ft. **Grade:** N/A
Condition: Access Point Manhole
Remarks: FRE-15

Distance: 0.0 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A

Distance: 12.2 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 45.8 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A

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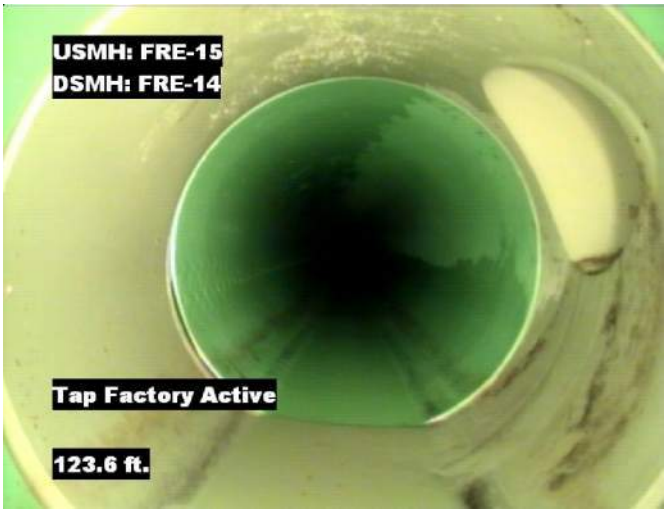
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
FRE-15	**MEAD**	**EAGLE AVE**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
FRE-15			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
FRE-14	**400.1**		**8**	**8**		

Distance: 94.1 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 123.6 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A

Distance: 172.9 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A

Distance: 202.4 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A

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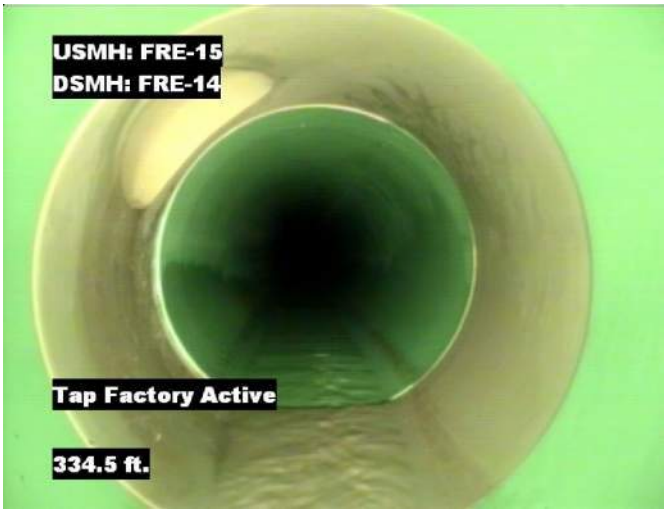
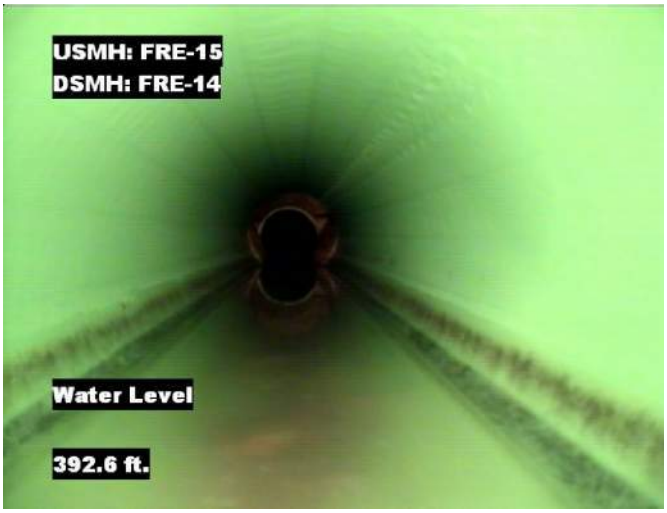
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
FRE-15	**MEAD**	**EAGLE AVE**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
FRE-15			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
FRE-14	**400.1**		**8**	**8**		

Distance: 277.8 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 334.5 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A

Distance: 357.4 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 392.6 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A

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Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
FRE-15	**MEAD**	**EAGLE AVE**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
FRE-15			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
FRE-14	**400.1**		**8**	**8**		

Distance: 400.1 ft. **Grade:** N/A
Condition: Access Point Manhole
Remarks: FRE-14

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Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
FRE-13	**MEAD**	**EAGLE AVE**	**PolyVinyl Chloride**		**Sanitary**

Upstream MH	Total Length	Year Laid	Shape	Location Details
FRE-13			**Circular**	

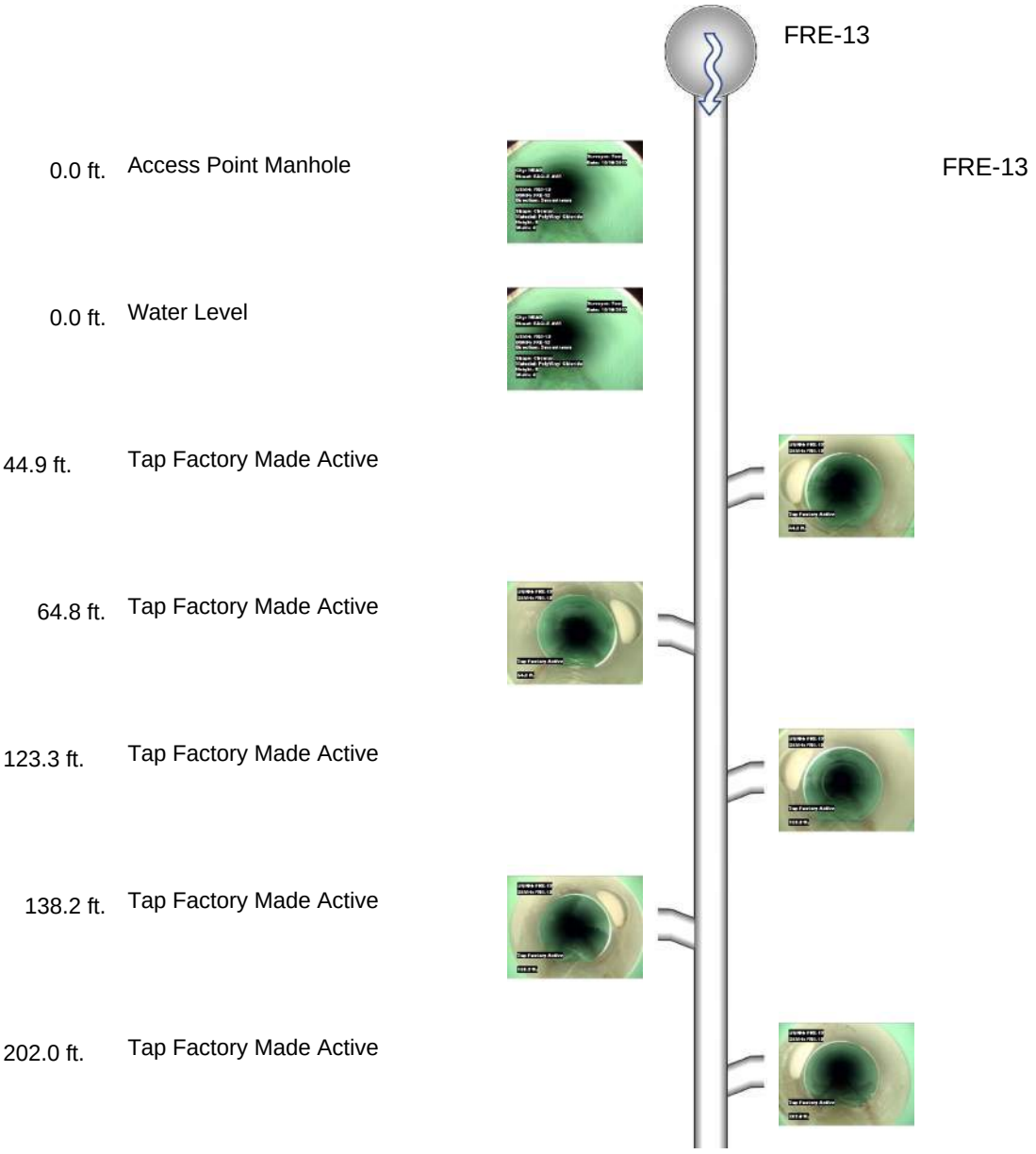
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
FRE-12	**402.4**		**8**	**8**		

SPR	**N/A**	MPR	**N/A**	PO Number	Customer
SPRI	**N/A**	MPRI	**N/A**		
QSR	**N/A**	QMR	**N/A**	Work Order	Purpose: **Routine Assessment**

OPR	Surveyed By	Direction	Date	Media label
N/A	**Tom**	**Downstream**	**20121010**	**2012**

OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
N/A	**U-109-7985**	**Jetting**	**11:35**	**Dry**	

Date Cleaned	End Time	Additional Info
	11:49	



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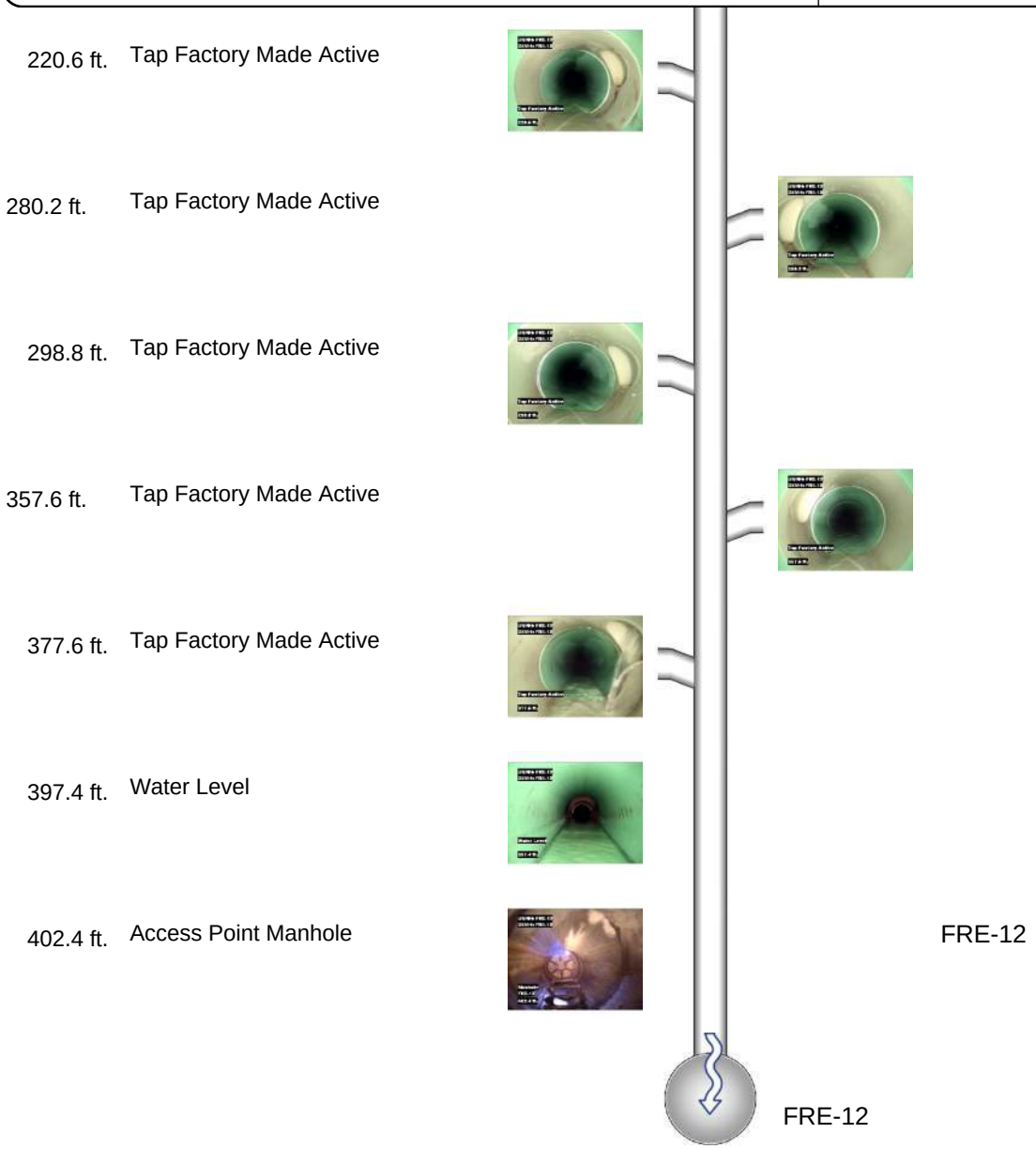
Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
FRE-13	**MEAD**	**EAGLE AVE**	**PolyVinyl Chloride**		**Sanitary**
Upstream MH	Total Length	Year Laid	Shape	Location Details	
FRE-13			**Circular**		
DS Manhole	Length surveyed	Year Renew...	Height / Width	Pipe Joint...	
FRE-12	**402.4**		**8** / **8**		

SPR **N/A**	MPR **N/A**	PO Number	Customer
SPRI **N/A**	MPRI **N/A**	Work Order	Purpose **Routine Assessment**
QSR **N/A**	QMR **N/A**		

OPR	Surveyed By	Direction	Date	Media label
N/A	**Tom**	**Downstream**	**20121010**	**2012**
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
N/A	**U-109-7985**	**Jetting**	**11:35**	**Dry**
Date Cleaned			End Time	Additional Info
			11:49	



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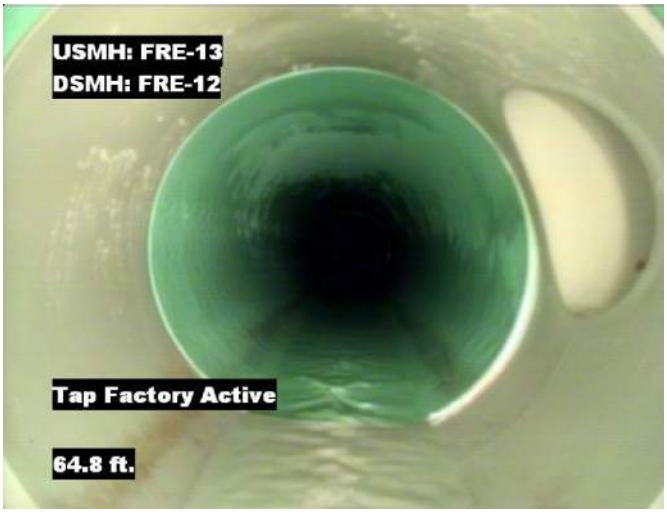
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
FRE-13	**MEAD**	**EAGLE AVE**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
FRE-13			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
FRE-12	**402.4**		**8**	**8**		

Distance: 0.0 ft. **Grade:** N/A
Condition: Access Point Manhole
Remarks: FRE-13

Distance: 0.0 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A

Distance: 44.9 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 64.8 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A

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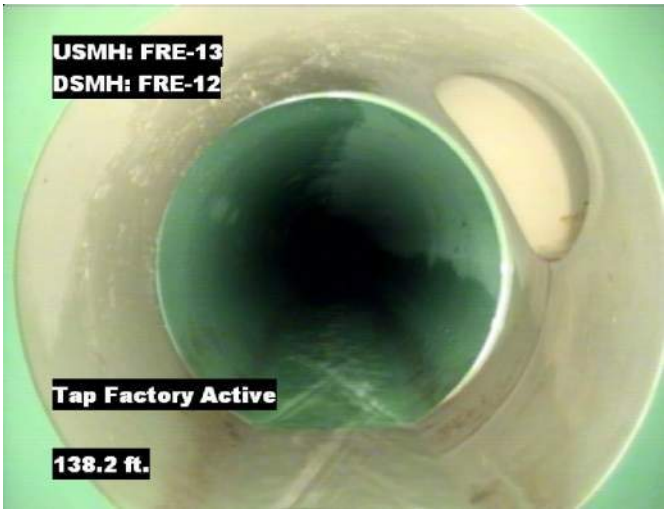
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
FRE-13	**MEAD**	**EAGLE AVE**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
FRE-13			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
FRE-12	**402.4**		**8**	**8**		

Distance: 123.3 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 138.2 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A

Distance: 202.0 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A

Distance: 220.6 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A

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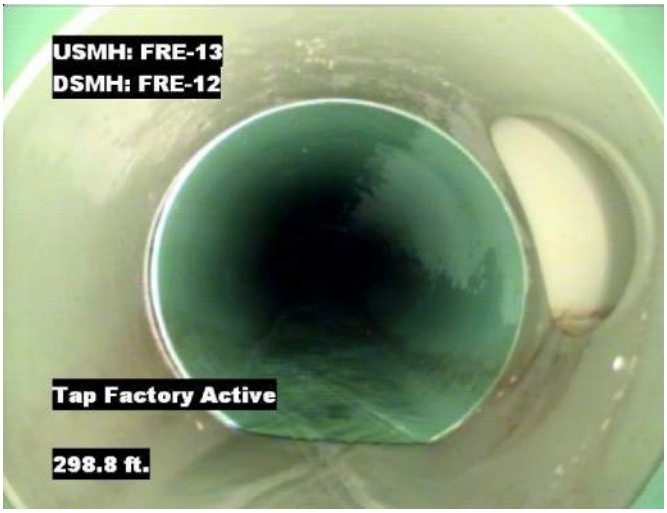
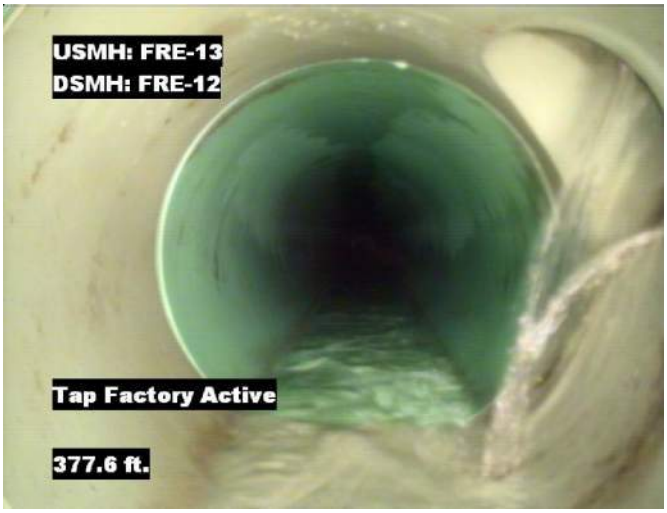
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
FRE-13	**MEAD**	**EAGLE AVE**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
FRE-13			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
FRE-12	**402.4**		**8**	**8**		

Distance: 280.2 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 298.8 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A

Distance: 357.6 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 377.6 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A

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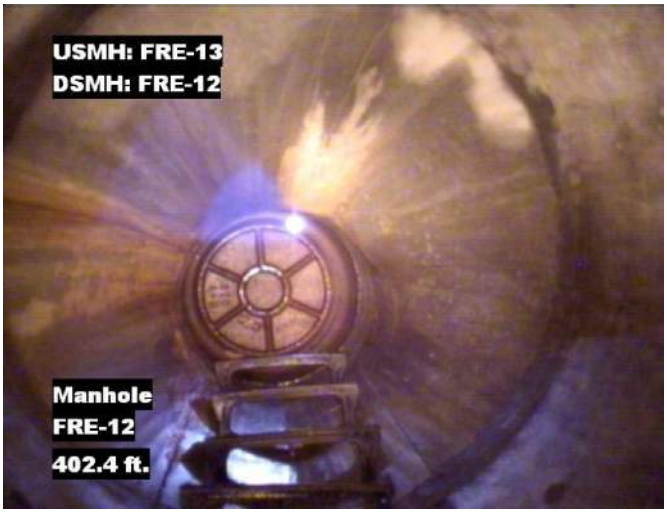
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
FRE-13	**MEAD**	**EAGLE AVE**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
FRE-13			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
FRE-12	**402.4**		**8**	**8**		

Distance: 397.4 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A



Distance: 402.4 ft. **Grade:** N/A
Condition: Access Point Manhole
Remarks: FRE-12

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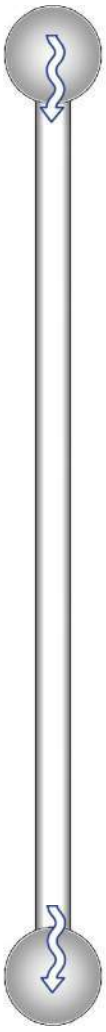
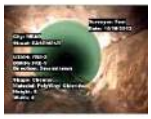
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
FRE-2	**MEAD**	**EASEMENT**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
FRE-2			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
FRE-1	**178.8**		**8**	**8**		

SPR **N/A**	MPR **N/A**	PO Number		Customer	
SPRI **N/A**	MPRI **N/A**	Work Order		Purpose	
QSR **N/A**	QMR **N/A**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
N/A	**Tom**	**Downstream**	**20121010**	**2012**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
N/A	**U-109-7985**	**Jetting**	**12:46**	**Dry**	
Date Cleaned			End Time	Additional Info	
			12:51		

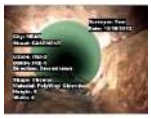


0.0 ft. Access Point Manhole



FRE-2

0.0 ft. Water Level



45.2 ft. Water Level

50.9 ft. Water Level

178.8 ft. Access Point Manhole

FRE-1

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Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
FRE-2	**MEAD**	**EASEMENT**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
FRE-2			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
FRE-1	**178.8**		**8**	**8**		

Distance: 0.0 ft. **Grade:** N/A
Condition: Access Point Manhole
Remarks: FRE-2

Distance: 0.0 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A

Distance: 45.2 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A

Distance: 50.9 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A

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Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
FRE-2	**MEAD**	**EASEMENT**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
FRE-2			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
FRE-1	**178.8**		**8**	**8**		

Distance: 178.8 ft. **Grade:** N/A
Condition: Access Point Manhole
Remarks: FRE-1

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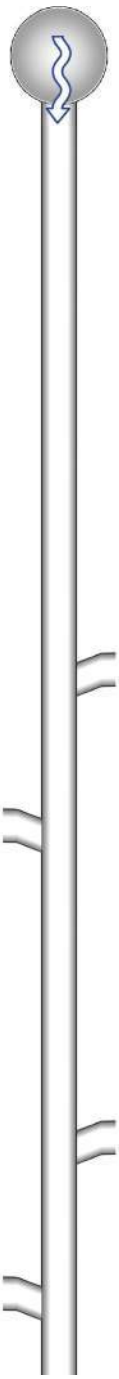
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
36	**MEAD**	**11TH ST**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
WM-15			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
WM-16	**258.5**		**8**	**8**		

SPR **N/A**	MPR **N/A**	PO Number		Customer	
SPRI **N/A**	MPRI **N/A**	Work Order		Purpose	
QSR **N/A**	QMR **N/A**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
N/A	**Tom**	**Downstream**	**20150901**	**2015**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
N/A	**U-109-7985**	**Jetting**	**15:15**	**Dry**	
Date Cleaned			End Time	Additional Info	
			15:23		



0.0 ft. Manhole

0.0 ft. Water Level

26.2 ft. Water Level

37.7 ft. Tap Factory Active

41.9 ft. Tap Factory Active

59.7 ft. Water Level

112.3 ft. Tap Factory Active

117.8 ft. Tap Factory Active

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Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
36	**MEAD**	**11TH ST**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
WM-15			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
WM-16	**258.5**		**8**	**8**		

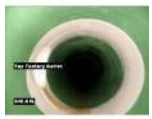
SPR	**N/A**	MPR	**N/A**	PO Number	Customer
SPRI	**N/A**	MPRI	**N/A**		
QSR	**N/A**	QMR	**N/A**	Work Order	Purpose
					Routine Assessment

OPR	Surveyed By	Direction	Date	Media label
N/A	**Tom**	**Downstream**	**20150901**	**2015**
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
N/A	**U-109-7985**	**Jetting**	**15:15**	**Dry**
Date Cleaned			End Time	Additional Info
			15:23	

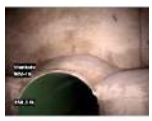
170.8 ft. Tap Factory Active

191.8 ft. Tap Factory Active

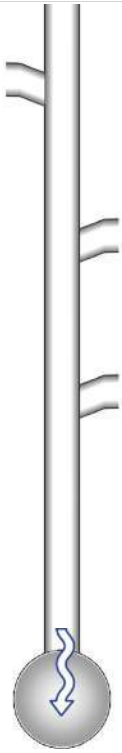
240.4 ft. Tap Factory Active



258.5 ft. Manhole



WM-16



WM-16

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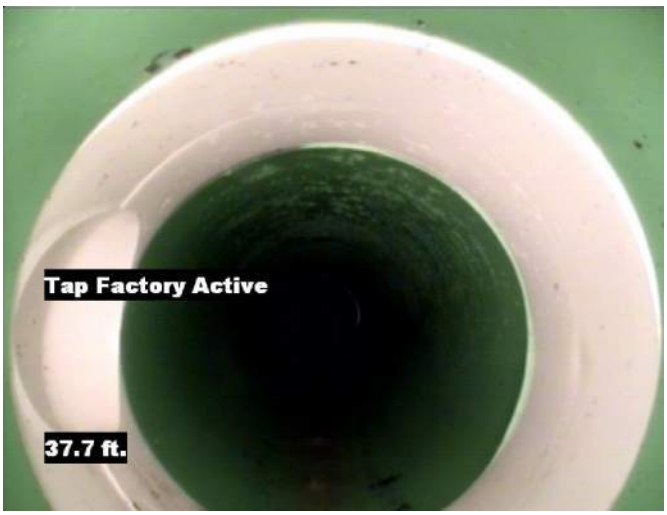
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
36	**MEAD**	**11TH ST**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
WM-15			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
WM-16	**258.5**		**8**	**8**		

Distance: 0.0 ft. **Grade:** 0
Condition: Manhole
Remarks: WM-15

Distance: 0.0 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A

Distance: 26.2 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A



Distance: 37.7 ft. **Grade:** 0
Condition: Tap Factory Active
Remarks: N/A

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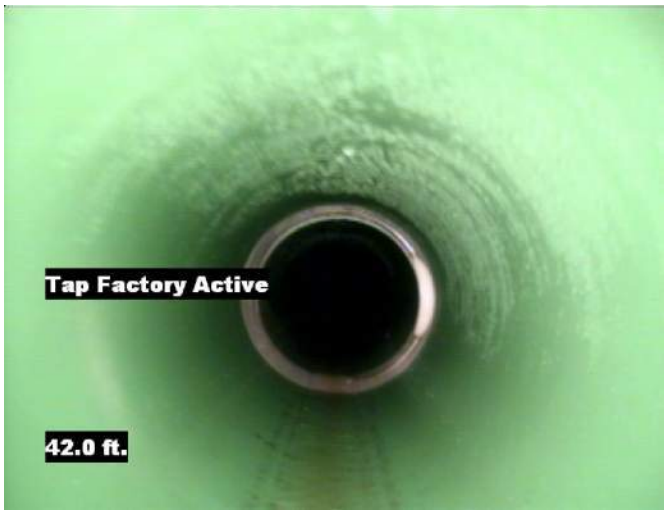
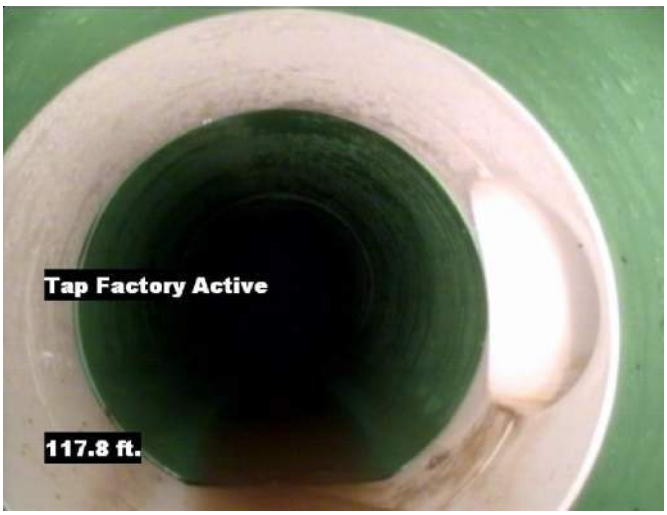
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
36	**MEAD**	**11TH ST**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
WM-15			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
WM-16	**258.5**		**8**	**8**		



Distance: 41.9 ft. **Grade:** 0
Condition: Tap Factory Active
Remarks: N/A

Distance: 59.7 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A

Distance: 112.3 ft. **Grade:** 0
Condition: Tap Factory Active
Remarks: N/A



Distance: 117.8 ft. **Grade:** 0
Condition: Tap Factory Active
Remarks: N/A

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Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
36	**MEAD**	**11TH ST**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
WM-15			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
WM-16	**258.5**		**8**	**8**		

Distance: 170.8 ft. **Grade:** 0
Condition: Tap Factory Active
Remarks: N/A

Distance: 191.8 ft. **Grade:** 0
Condition: Tap Factory Active
Remarks: N/A

Distance: 240.4 ft. **Grade:** 0
Condition: Tap Factory Active
Remarks: N/A

Distance: 258.5 ft. **Grade:** 0
Condition: Manhole
Remarks: WM-16

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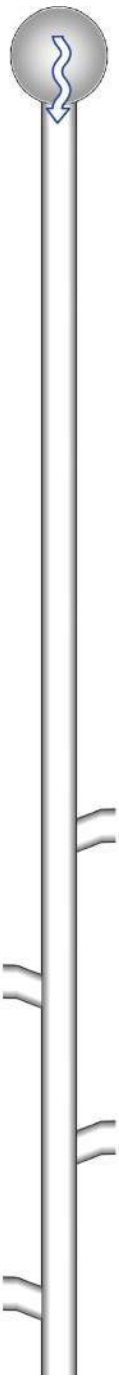
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
38	**MEAD**	**10TH ST**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
WM-12			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
WM-13	**256.1**		**8**	**8**		

SPR **N/A**	MPR **N/A**	PO Number		Customer	
SPRI **N/A**	MPRI **N/A**	Work Order		Purpose	
QSR **N/A**	QMR **N/A**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
N/A	**Tom**	**Downstream**	**20150902**	**2015**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
N/A	**U-109-7985**	**Jetting**	**07:37**	**Dry**	
Date Cleaned			End Time	Additional Info	
			07:45		



0.0 ft. Manhole

0.0 ft. Water Level

22.2 ft. Water Level

31.0 ft. Water Level

39.5 ft. Tap Factory Active

41.8 ft. Tap Factory Active

111.2 ft. Tap Factory Active

113.7 ft. Tap Factory Active

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Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
38	**MEAD**	**10TH ST**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
WM-12			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
WM-13	**256.1**		**8**	**8**		

SPR **N/A**	MPR **N/A**	PO Number		Customer	
SPRI **N/A**	MPRI **N/A**	Work Order		Purpose	
QSR **N/A**	QMR **N/A**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
N/A	**Tom**	**Downstream**	**20150902**	**2015**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
N/A	**U-109-7985**	**Jetting**	**07:37**	**Dry**	
Date Cleaned			End Time	Additional Info	
			07:45		

176.6 ft. Tap Factory Active

178.7 ft. Tap Factory Active

256.1 ft. Manhole

WM-13

WM-13

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Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
38	**MEAD**	**10TH ST**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
WM-12			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
WM-13	**256.1**		**8**	**8**		

Distance: 0.0 ft. **Grade:** 0
Condition: Manhole
Remarks: WM-12

Distance: 0.0 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A

Distance: 22.2 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A

Distance: 31.0 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A

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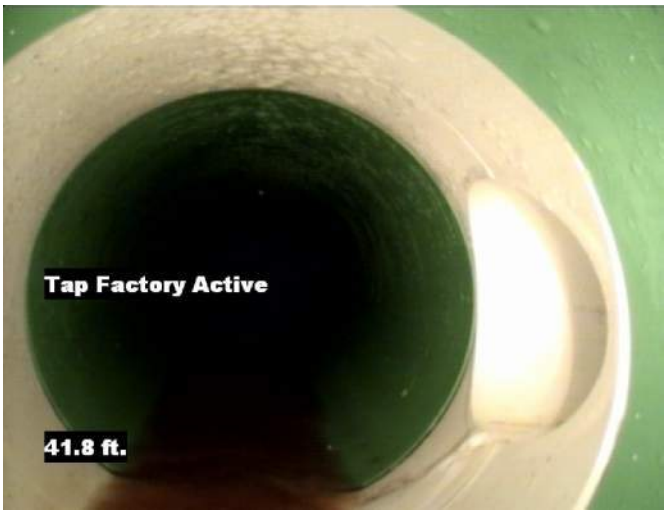
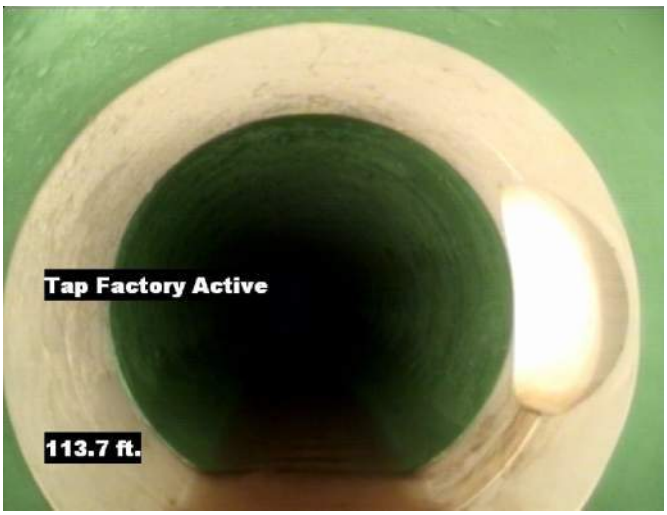
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
38	**MEAD**	**10TH ST**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
WM-12			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
WM-13	**256.1**		**8**	**8**		

Distance: 39.5 ft. **Grade:** 0
Condition: Tap Factory Active
Remarks: N/A



Distance: 41.8 ft. **Grade:** 0
Condition: Tap Factory Active
Remarks: N/A

Distance: 111.2 ft. **Grade:** 0
Condition: Tap Factory Active
Remarks: N/A



Distance: 113.7 ft. **Grade:** 0
Condition: Tap Factory Active
Remarks: N/A

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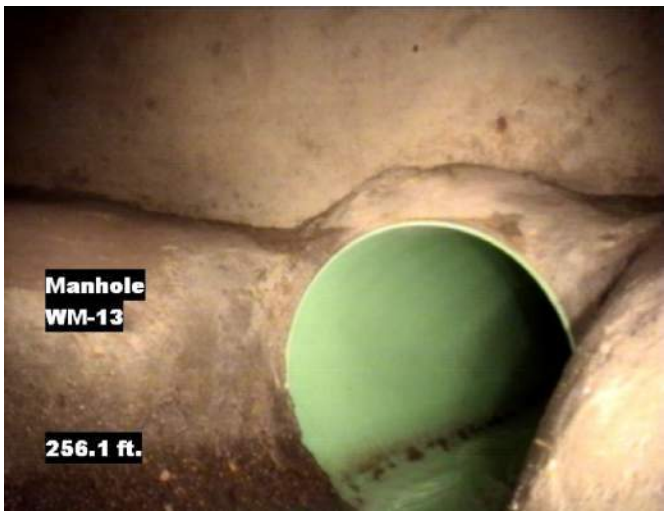
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
38	**MEAD**	**10TH ST**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
WM-12			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
WM-13	**256.1**		**8**	**8**		

Distance: 176.6 ft. **Grade:** 0
Condition: Tap Factory Active
Remarks: N/A

Distance: 178.7 ft. **Grade:** 0
Condition: Tap Factory Active
Remarks: N/A



Distance: 256.1 ft. **Grade:** 0
Condition: Manhole
Remarks: WM-13

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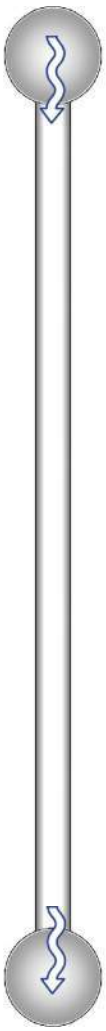
Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
44	**MEAD**	**9TH ST**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
WM-10			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
WM-7	**132.1**		**8**	**8**		

SPR **N/A**	MPR **N/A**	PO Number		Customer	
SPRI **N/A**	MPRI **N/A**	Work Order		Purpose	
QSR **N/A**	QMR **N/A**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
N/A	**Tom**	**Downstream**	**20150902**	**2015**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
N/A	**U-109-7985**	**Jetting**	**09:12**	**Dry**	
Date Cleaned			End Time	Additional Info	
			09:15		



0.0 ft.	Manhole		WM-10
0.0 ft.	Water Level		
1.5 ft.	Water Level		
13.5 ft.	Water Level		
132.1 ft.	Manhole		WM-7

DES
P.O. Box 337660
Greeley CO 80633
(970) 371-5251

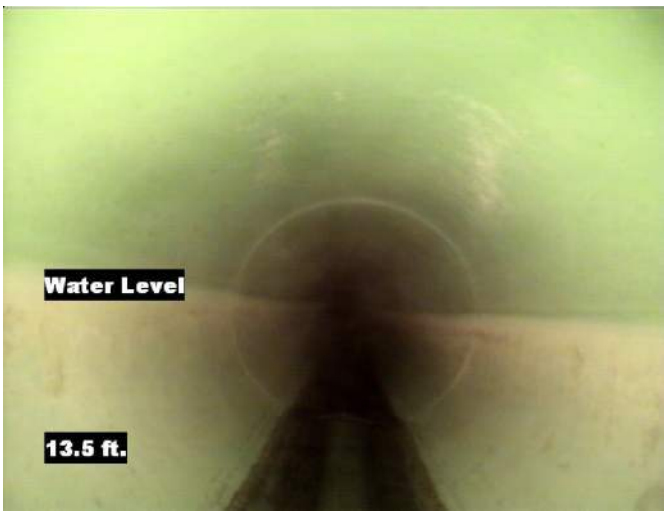
Image Report 4/Page

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
44	**MEAD**	**9TH ST**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
WM-10			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
WM-7	**132.1**		**8**	**8**		

Distance: 0.0 ft. **Grade:** 0
Condition: Manhole
Remarks: WM-10

Distance: 0.0 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A

Distance: 1.5 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A



Distance: 13.5 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A

DES
P.O. Box 337660
Greeley CO 80633
(970) 371-5251

Image Report 4/Page

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
44	**MEAD**	**9TH ST**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
WM-10			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
WM-7	**132.1**		**8**	**8**		

Distance:	132.1 ft.	**Grade:**	0
Condition:	Manhole		
Remarks:	WM-7		

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Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
NC-5	**MEAD**	**WEST VIEW DR**	**PolyVinyl Chloride**		**Sanitary**

Upstream MH	Total Length	Year Laid	Shape	Location Details
NC-5			**Circular**	

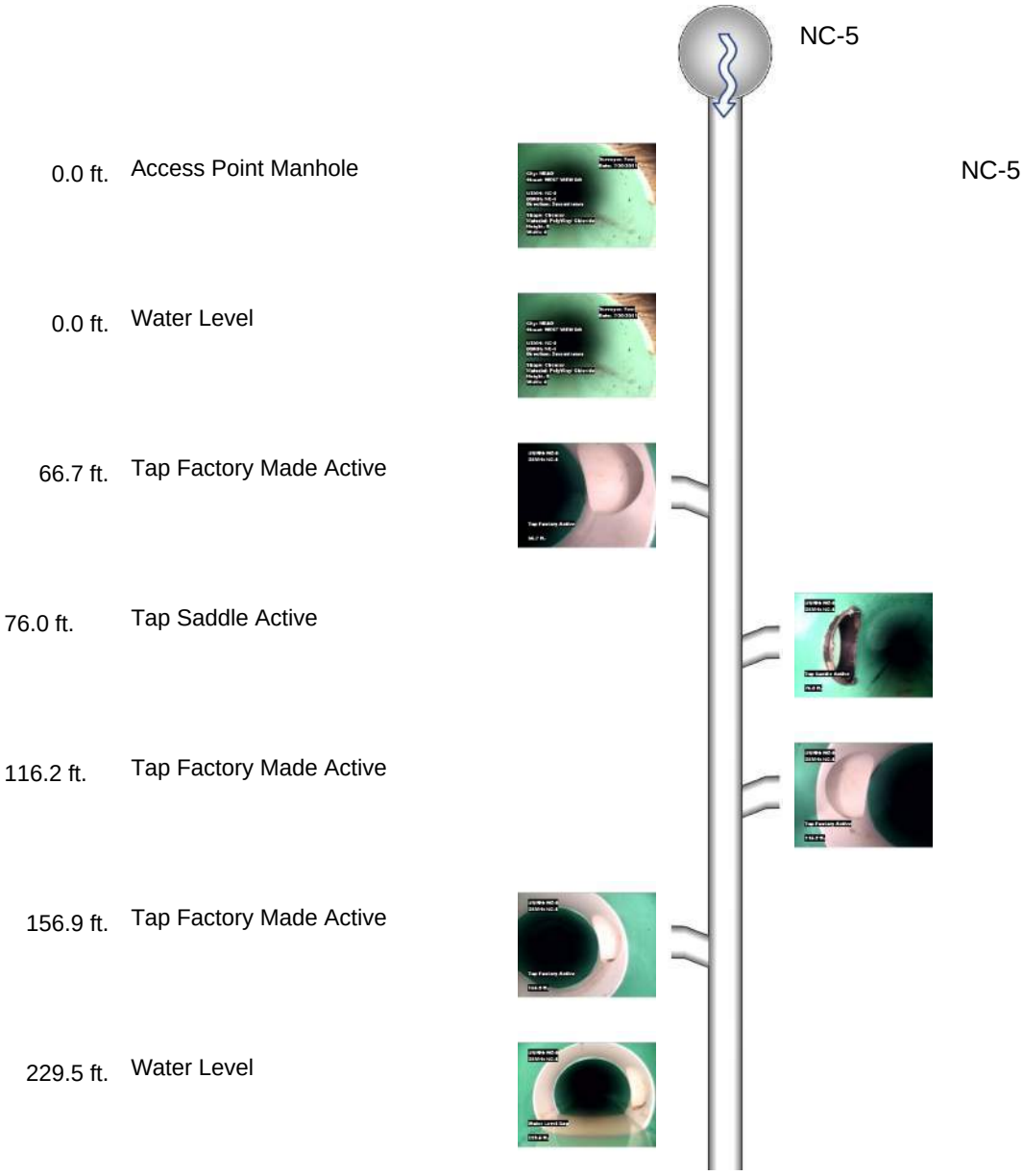
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
NC-4	**245.3**		**8**	**8**		

SPR **N/A**	MPR **4**	PO Number		Customer	
SPRI **N/A**	MPRI **2.0**	Work Order		Purpose	**Routine Assessment**
QSR **N/A**	QMR **2200**				

OPR	Surveyed By	Direction	Date	Media label
4	**Tom**	**Downstream**	**20110720**	**2011**

OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
2.0	**U-109-7985**	**Jetting**	**13:03**	**Dry**	

Date Cleaned	End Time	Additional Info
	13:12	



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Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
NC-5	**MEAD**	**WEST VIEW DR**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
NC-5			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
NC-4	**245.3**		**8**	**8**		

SPR **N/A**	MPR **4**	PO Number		Customer	
SPRI **N/A**	MPRI **2.0**	Work Order		Purpose	
QSR **N/A**	QMR **2200**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date		Media label
4	**Tom**	**Downstream**	**20110720**		**2011**
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
2.0	**U-109-7985**	**Jetting**	**13:03**	**Dry**	
Date Cleaned			End Time	Additional Info	
			13:12		

229.5 ft. Tap Factory Made Active

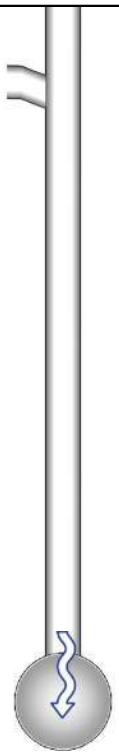
235.5 ft. Water Level

245.3 ft. Obstacles Pipe Material

WILL REMOVE

245.3 ft. Access Point Manhole

NC-4



NC-4

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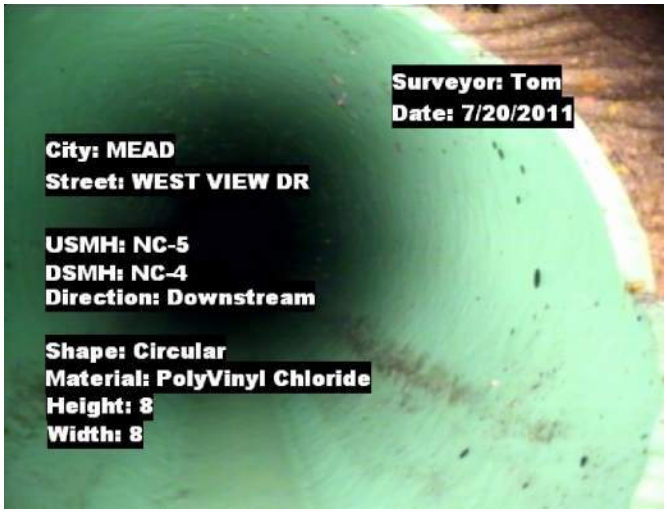
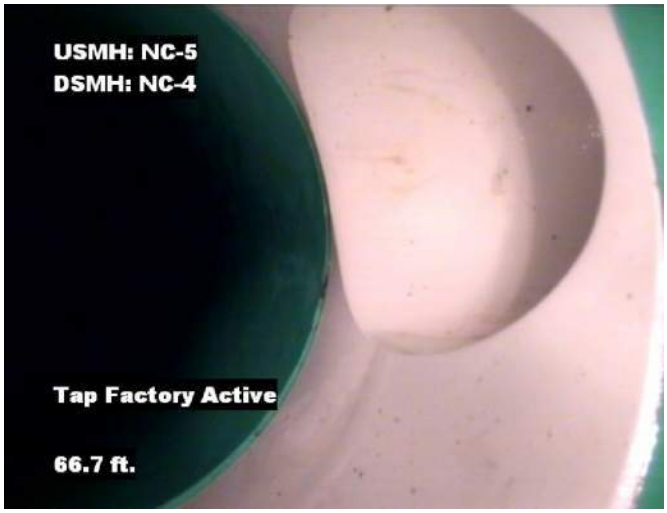
Image Report 4/Page

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
NC-5	**MEAD**	**WEST VIEW DR**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
NC-5			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
NC-4	**245.3**		**8**	**8**		

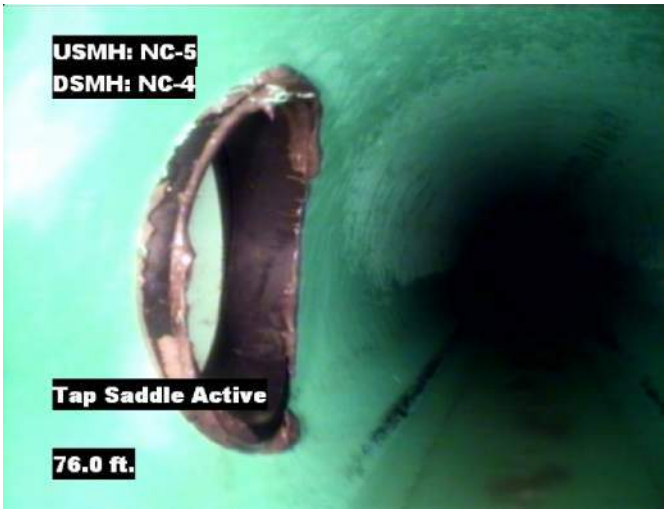


Distance:	0.0 ft.	**Grade:**	N/A
Condition:	Access Point Manhole		
Remarks:	NC-5		

Distance:	0.0 ft.	**Grade:**	N/A
Condition:	Water Level		
Remarks:	N/A		



Distance:	66.7 ft.	**Grade:**	N/A
Condition:	Tap Factory Made Active		
Remarks:	N/A		



Distance:	76.0 ft.	**Grade:**	N/A
Condition:	Tap Saddle Active		
Remarks:	N/A		

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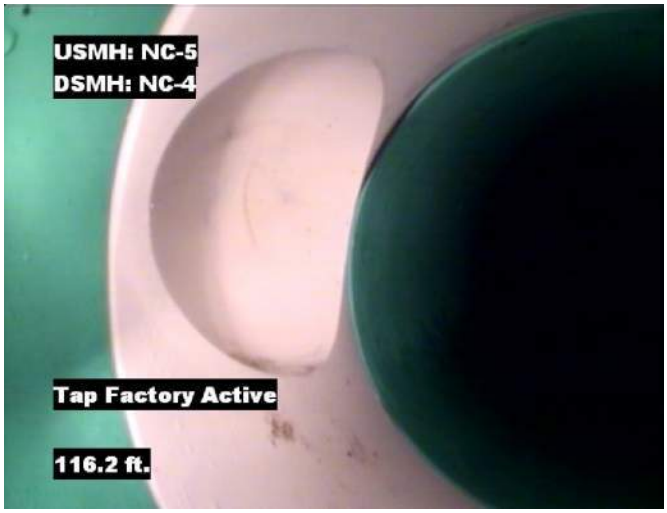
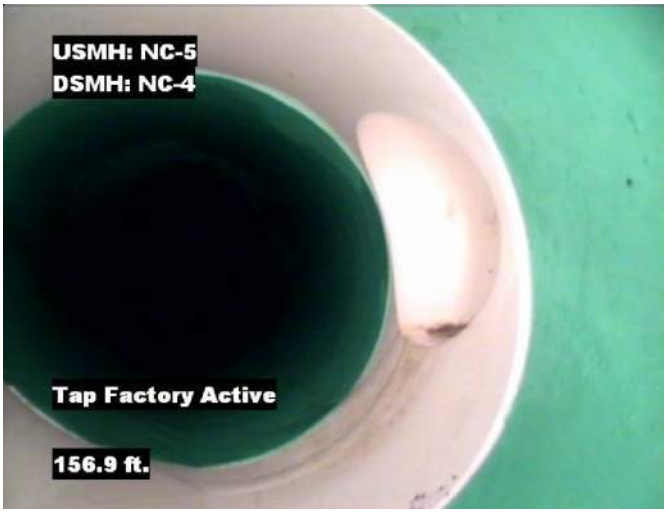
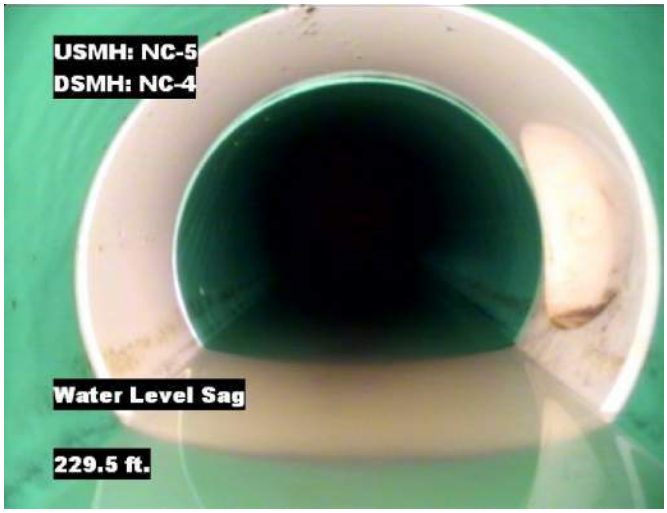
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
NC-5	**MEAD**	**WEST VIEW DR**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
NC-5			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
NC-4	**245.3**		**8**	**8**		



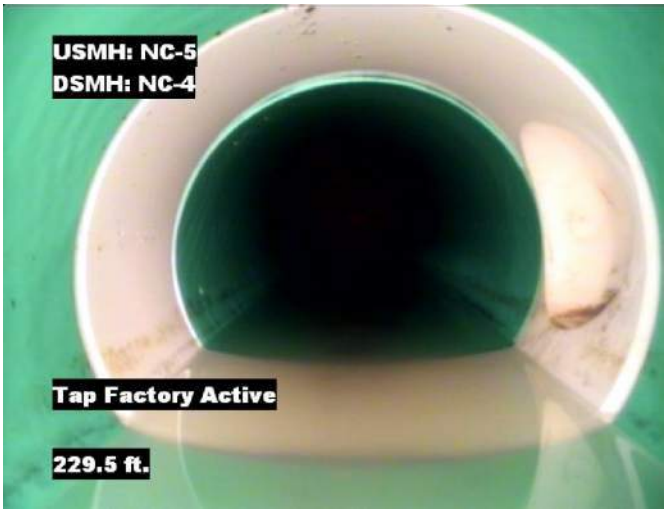
Distance: 116.2 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 156.9 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 229.5 ft. **Grade:** 2
Condition: Water Level
Remarks: N/A



Distance: 229.5 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A

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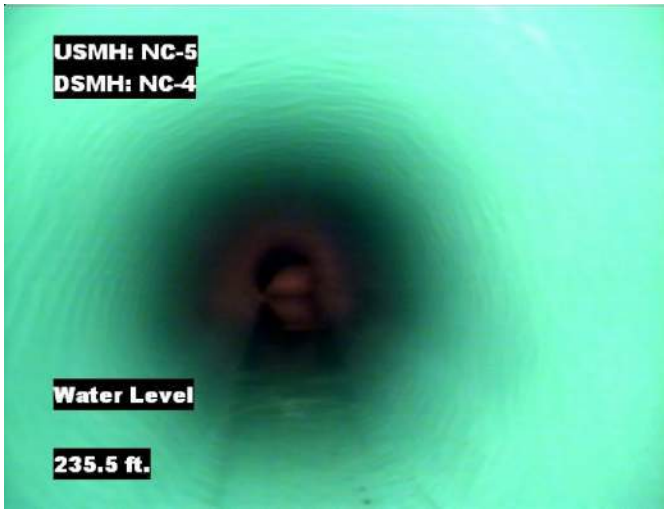
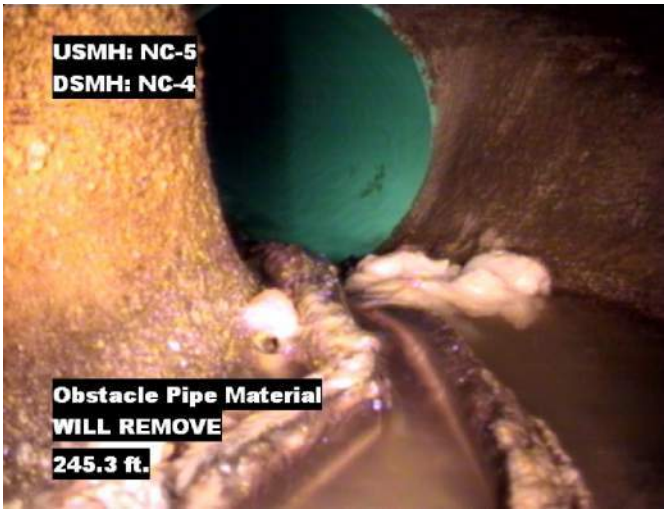
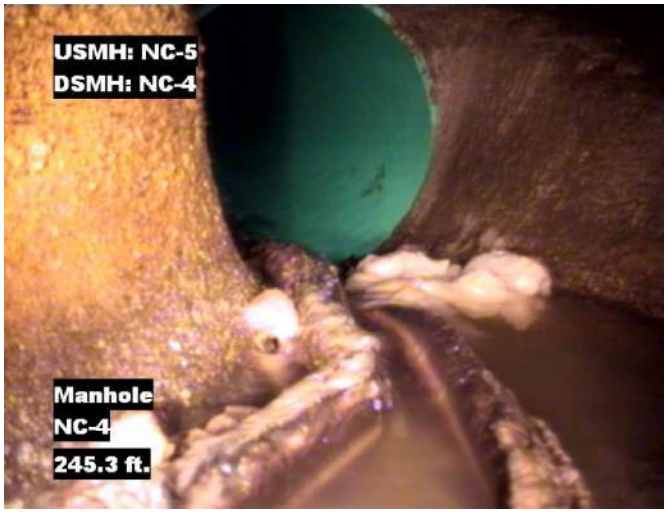
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
NC-5	**MEAD**	**WEST VIEW DR**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
NC-5			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
NC-4	**245.3**		**8**	**8**		



Distance: 235.5 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A



Distance: 245.3 ft. **Grade:** 2
Condition: Obstacles Pipe Material
Remarks: WILL REMOVE



Distance: 245.3 ft. **Grade:** N/A
Condition: Access Point Manhole
Remarks: NC-4

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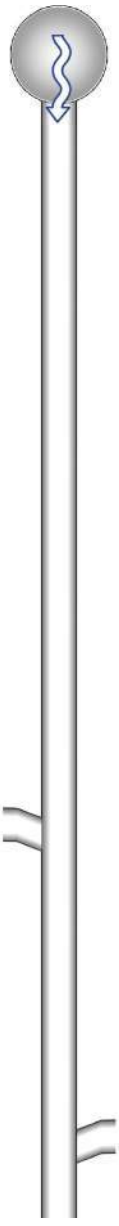
Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
NC-4	**MEAD**	**MEADOW LANE**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
NC-4			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
NC-3	**284.5**		**8**	**8**		

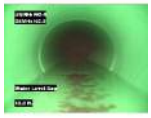
SPR **N/A**	MPR **2**	PO Number		Customer	
SPRI **N/A**	MPRI **2.0**	Work Order		Purpose	
QSR **N/A**	QMR **2100**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
2	**Tom**	**Downstream**	**20110720**	**2011**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
2.0	**U-109-7985**	**Jetting**	**14:49**	**Dry**	
	Date Cleaned		End Time	Additional Info	
			14:58		



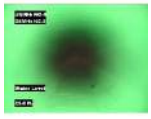
0.0 ft. Access Point Manhole

0.0 ft. Water Level

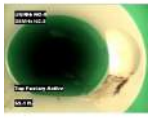
13.3 ft. Water Level



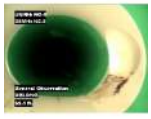
22.0 ft. Water Level



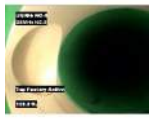
69.1 ft. Tap Factory Made Active



69.1 ft. General Observation



128.3 ft. Tap Factory Made Active



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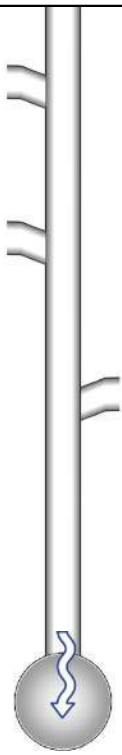
Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
NC-4	**MEAD**	**MEADOW LANE**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
NC-4			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
NC-3	**284.5**		**8**	**8**		

SPR **N/A**	MPR **2**	PO Number		Customer	
SPRI **N/A**	MPRI **2.0**	Work Order		Purpose	
QSR **N/A**	QMR **2100**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
2	**Tom**	**Downstream**	**20110720**	**2011**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
2.0	**U-109-7985**	**Jetting**	**14:49**	**Dry**	
Date Cleaned			End Time	Additional Info	
			14:58		

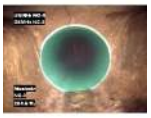


143.8 ft. Tap Factory Made Active

219.8 ft. Tap Factory Made Active

247.6 ft. Tap Factory Made Active

284.5 ft. Access Point Manhole



NC-3

NC-3

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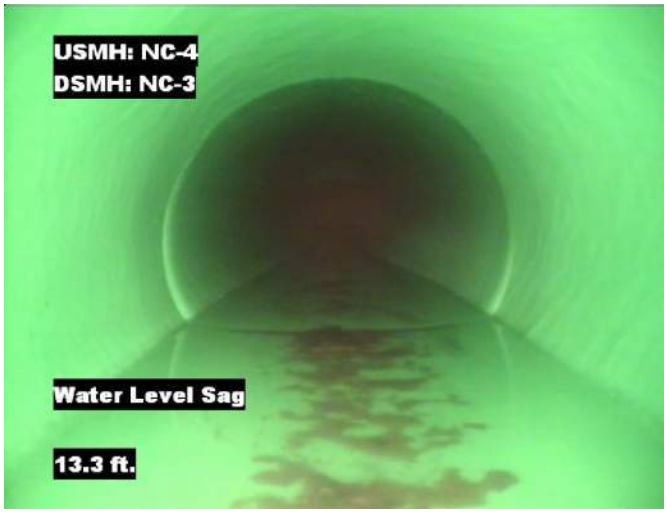
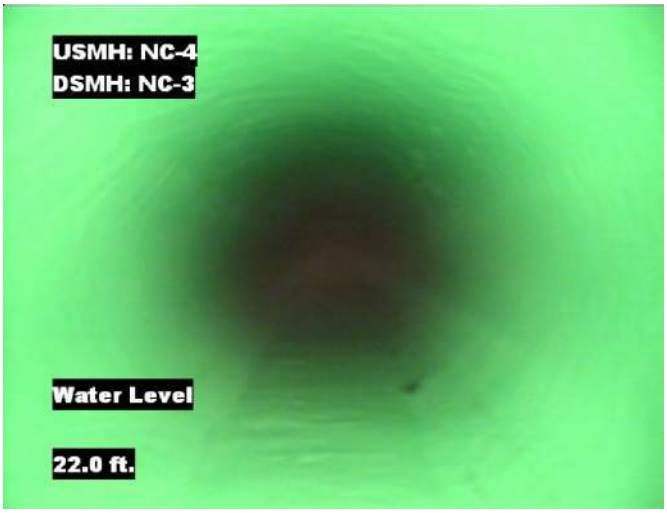
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
NC-4	**MEAD**	**MEADOW LANE**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
NC-4			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
NC-3	**284.5**		**8**	**8**		

Distance:	0.0 ft.	**Grade:**	N/A
Condition:	Access Point Manhole		
Remarks:	NC-4		

Distance:	0.0 ft.	**Grade:**	N/A
Condition:	Water Level		
Remarks:	N/A		



Distance:	13.3 ft.	**Grade:**	2
Condition:	Water Level		
Remarks:	N/A		



Distance:	22.0 ft.	**Grade:**	N/A
Condition:	Water Level		
Remarks:	N/A		

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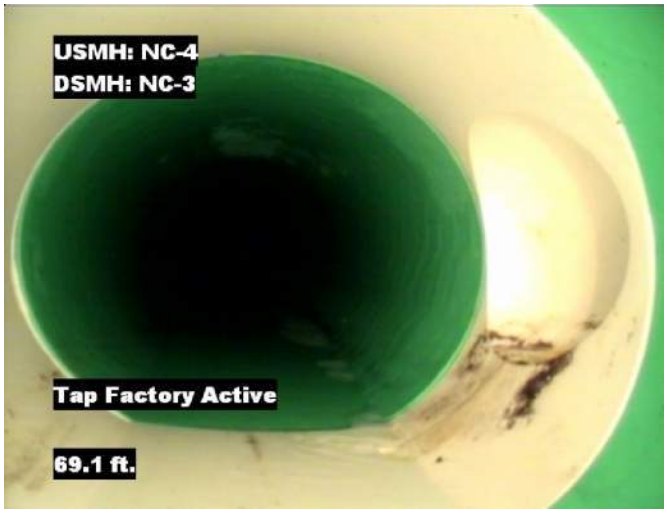
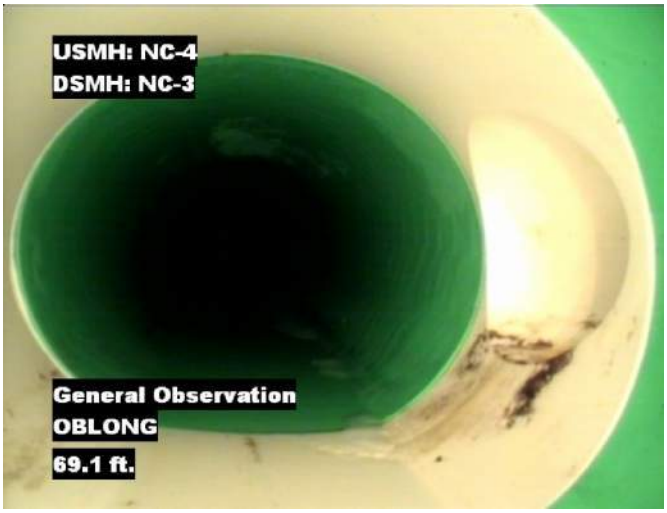
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
NC-4	**MEAD**	**MEADOW LANE**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
NC-4			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
NC-3	**284.5**		**8**	**8**		

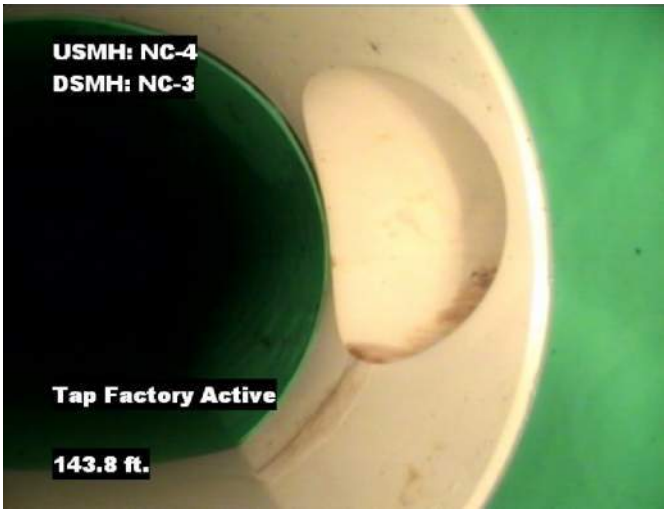


Distance: 69.1 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 69.1 ft. **Grade:** N/A
Condition: General Observation
Remarks: OBLONG

Distance: 128.3 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 143.8 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A

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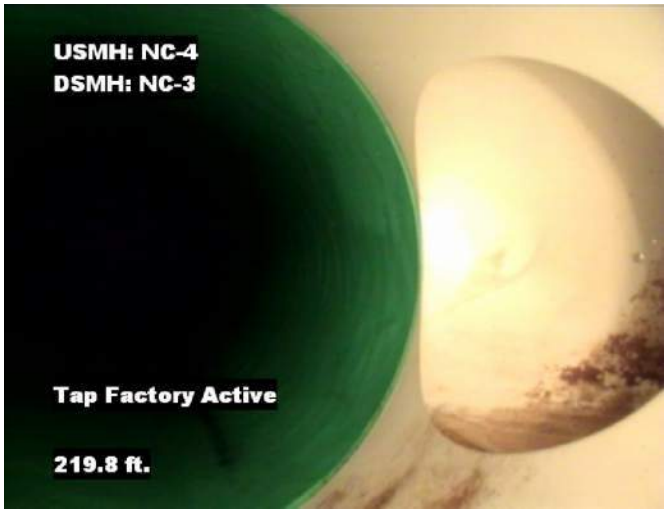
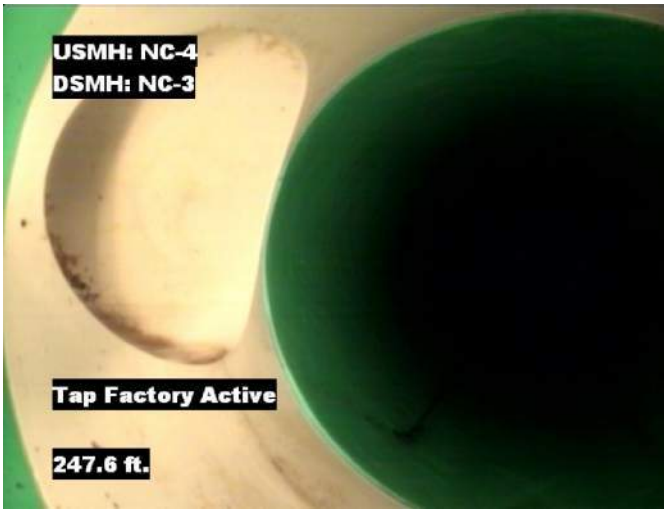
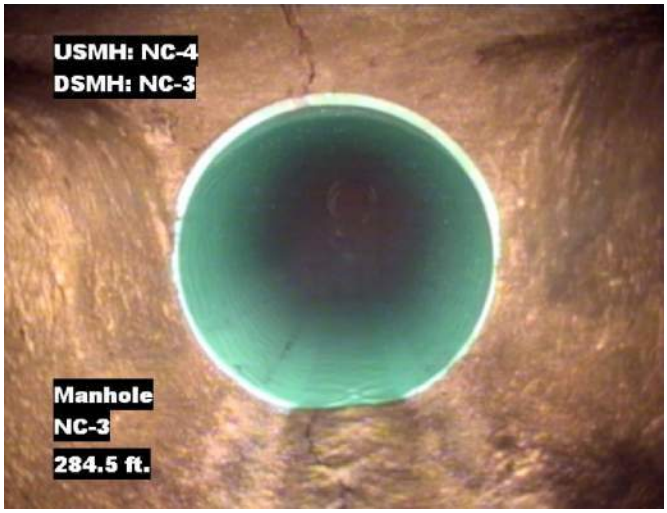
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
NC-4	**MEAD**	**MEADOW LANE**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
NC-4			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
NC-3	**284.5**		**8**	**8**		



Distance: 219.8 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 247.6 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 284.5 ft. **Grade:** N/A
Condition: Access Point Manhole
Remarks: NC-3

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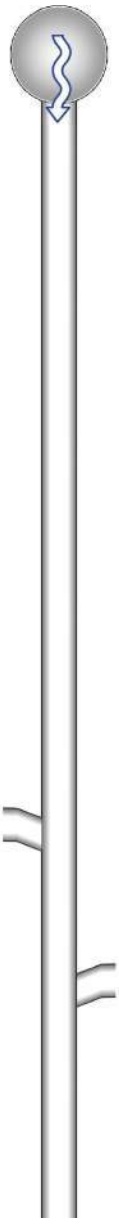
Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
NC-18	**MEAD**	**JARETT DRIVE**	**PolyVinyl Chloride**		**Sanitary**
Upstream MH	Total Length	Year Laid	Shape	Location Details	
NC-18			**Circular**		
DS Manhole	Length surveyed	Year Renew...	Height / Width	Pipe Joint...	
NC-17	**123.7**		**8** / **8**		

SPR **N/A**	MPR **2**	PO Number		Customer	
SPRI **N/A**	MPRI **2.0**	Work Order		Purpose	
QSR **N/A**	QMR **2100**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
2	**Tom**	**Downstream**	**20110721**	**2011**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
2.0	**U-109-7985**	**Jetting**	**08:23**	**Dry**	
Date Cleaned			End Time	Additional Info	
			08:27		

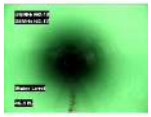


0.0 ft. Access Point Manhole

0.0 ft. Water Level

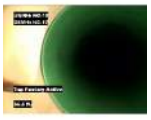
39.9 ft. Water Level

46.1 ft. Water Level

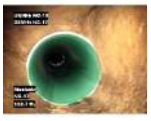


53.7 ft. Tap Factory Made Active

55.5 ft. Tap Factory Made Active



123.7 ft. Access Point Manhole



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Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
NC-18	**MEAD**	**JARETT DRIVE**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
NC-18			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
NC-17	**123.7**		**8**	**8**		

SPR **N/A**	MPR **2**	PO Number		Customer	
SPRI **N/A**	MPRI **2.0**	Work Order		Purpose	
QSR **N/A**	QMR **2100**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
2	**Tom**	**Downstream**	**20110721**	**2011**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
2.0	**U-109-7985**	**Jetting**	**08:23**	**Dry**	
Date Cleaned			End Time	Additional Info	
			08:27		

NC-17

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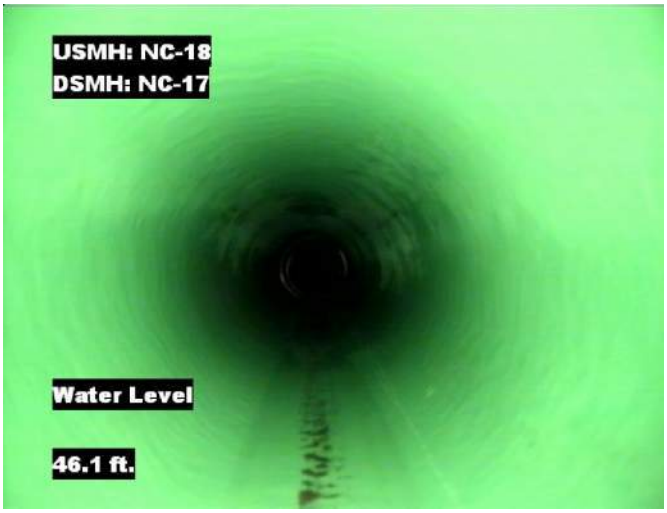
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
NC-18	**MEAD**	**JARETT DRIVE**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
NC-18			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
NC-17	**123.7**		**8**	**8**		

Distance: 0.0 ft. **Grade:** N/A
Condition: Access Point Manhole
Remarks: NC-18

Distance: 0.0 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A

Distance: 39.9 ft. **Grade:** 2
Condition: Water Level
Remarks: N/A



Distance: 46.1 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A

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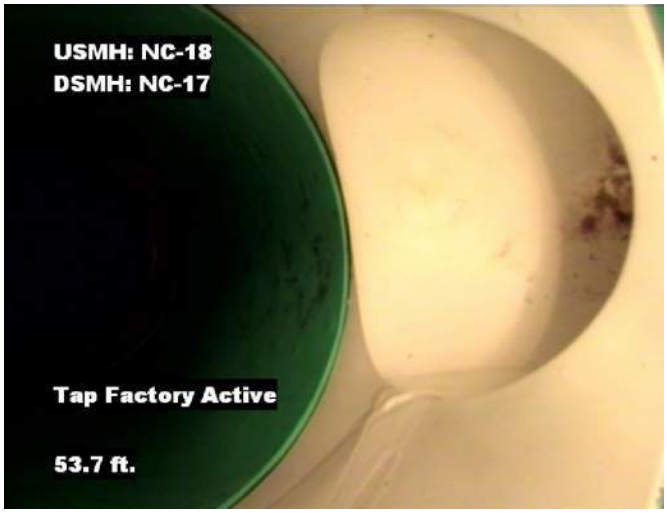
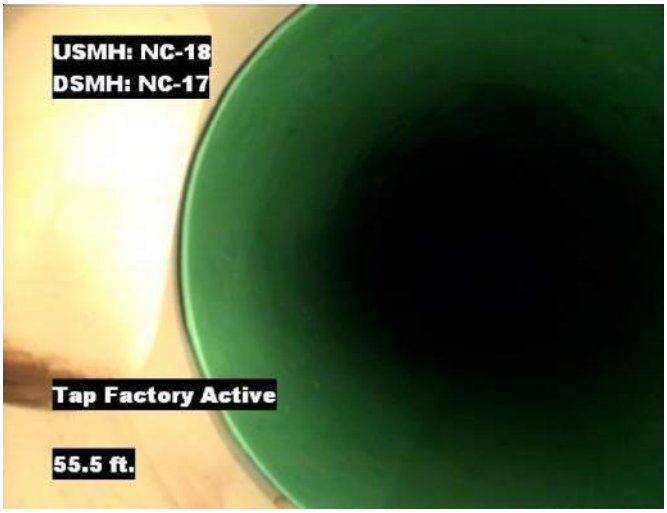
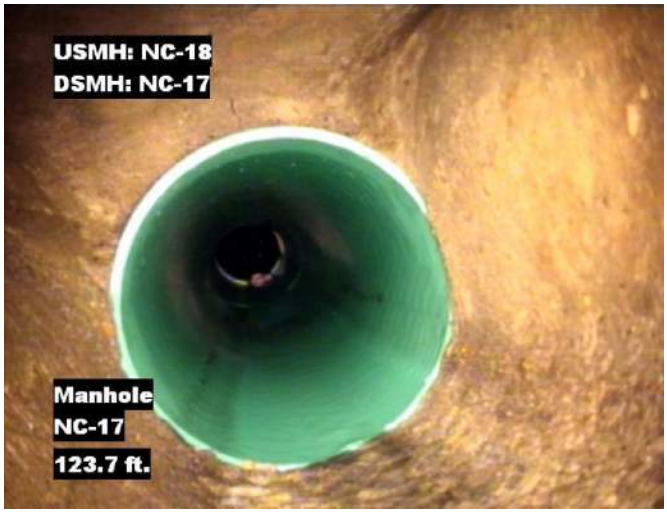
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
NC-18	**MEAD**	**JARETT DRIVE**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
NC-18			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
NC-17	**123.7**		**8**	**8**		



Distance: 53.7 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 55.5 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 123.7 ft. **Grade:** N/A
Condition: Access Point Manhole
Remarks: NC-17

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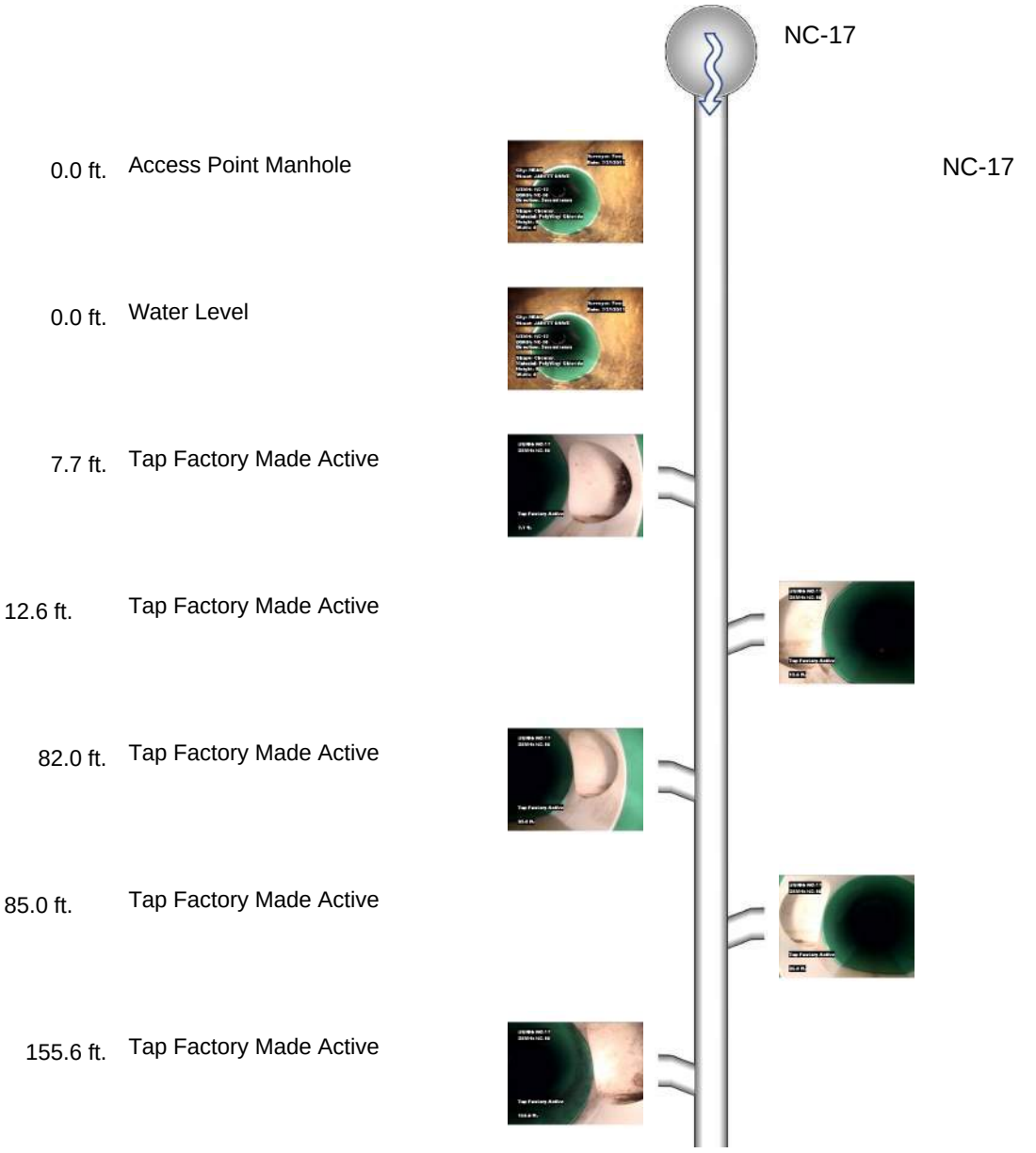
Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
NC-17	**MEAD**	**JARETT DRIVE**	**PolyVinyl Chloride**		**Sanitary**
Upstream MH	Total Length	Year Laid	Shape	Location Details	
NC-17			**Circular**		
DS Manhole	Length surveyed	Year Renew...	Height / Width	Pipe Joint...	
NC-16	**403.5**		**8** / **8**		

SPR **N/A**	MPR **2**	PO Number		Customer	
SPRI **N/A**	MPRI **2.0**	Work Order		Purpose **Routine Assessment**	
QSR **N/A**	QMR **2100**				
OPR **2**	Surveyed By **Tom**	Direction **Downstream**	Date **20110721**	Media label **2011**	
OPRI **2.0**	Certificate Number **U-109-7985**	Pre-Cleaning **Jetting**	Time **08:29**	Weather **Dry**	
	Date Cleaned		End Time **08:42**	Additional Info	



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Defect Listing Plot with Images

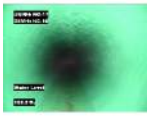
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
NC-17	**MEAD**	**JARETT DRIVE**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
NC-17			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
NC-16	**403.5**		**8**	**8**		

SPR **N/A**	MPR **2**	PO Number		Customer	
SPRI **N/A**	MPRI **2.0**	Work Order		Purpose	
QSR **N/A**	QMR **2100**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
2	**Tom**	**Downstream**	**20110721**	**2011**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
2.0	**U-109-7985**	**Jetting**	**08:29**	**Dry**	
Date Cleaned			End Time	Additional Info	
			08:42		

158.8 ft. Tap Factory Made Active

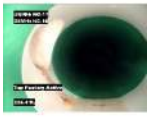
188.0 ft. Water Level

193.2 ft. Water Level



229.7 ft. Tap Factory Made Active

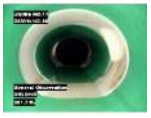
235.4 ft. Tap Factory Made Active



308.1 ft. Tap Factory Made Active

309.5 ft. Tap Factory Made Active

381.7 ft. General Observation



OBLONG

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Defect Listing Plot with Images

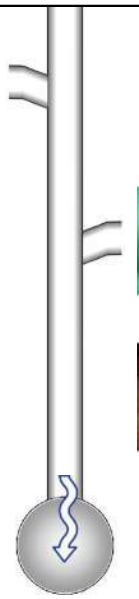
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
NC-17	**MEAD**	**JARETT DRIVE**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
NC-17			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
NC-16	**403.5**		**8**	**8**		

SPR **N/A**	MPR **2**	PO Number		Customer	
SPRI **N/A**	MPRI **2.0**	Work Order		Purpose	
QSR **N/A**	QMR **2100**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
2	**Tom**	**Downstream**	**20110721**	**2011**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
2.0	**U-109-7985**	**Jetting**	**08:29**	**Dry**	
Date Cleaned			End Time	Additional Info	
			08:42		

382.6 ft. Tap Factory Made Active

384.5 ft. Tap Factory Made Active

403.5 ft. Access Point Manhole



NC-16

NC-16

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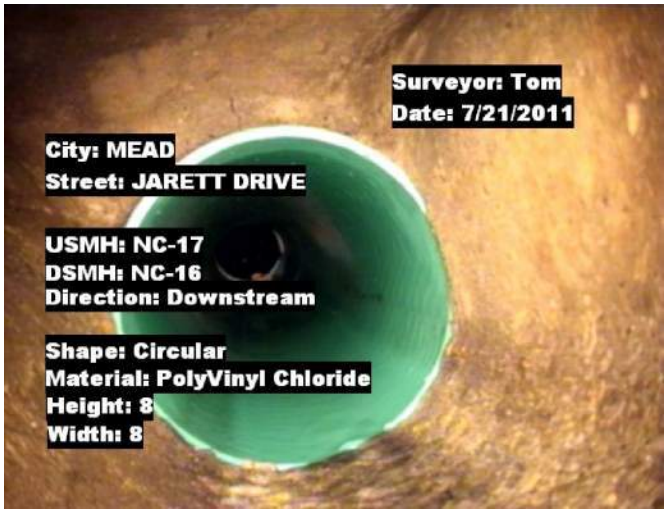
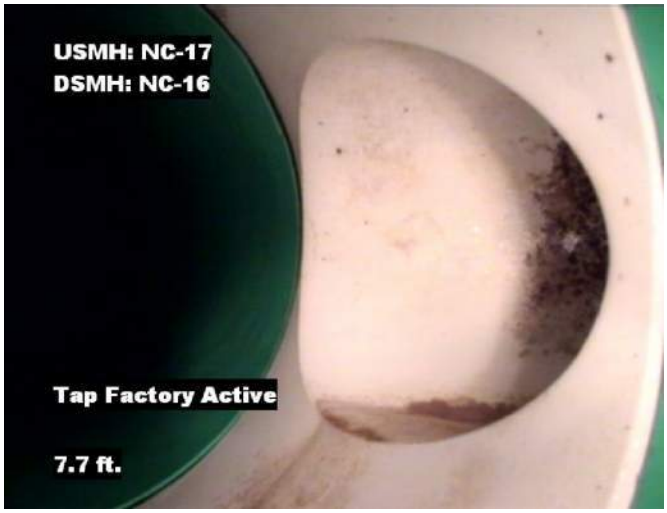
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
NC-17	**MEAD**	**JARETT DRIVE**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
NC-17			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
NC-16	**403.5**		**8**	**8**		

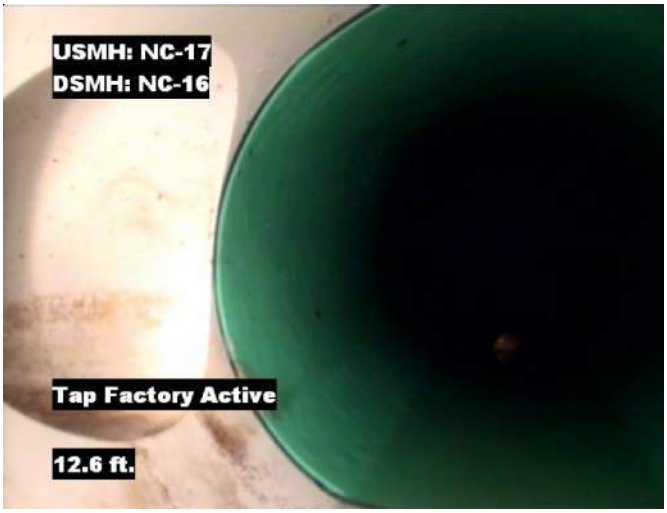


Distance: 0.0 ft. **Grade:** N/A
Condition: Access Point Manhole
Remarks: NC-17

Distance: 0.0 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A



Distance: 7.7 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 12.6 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A

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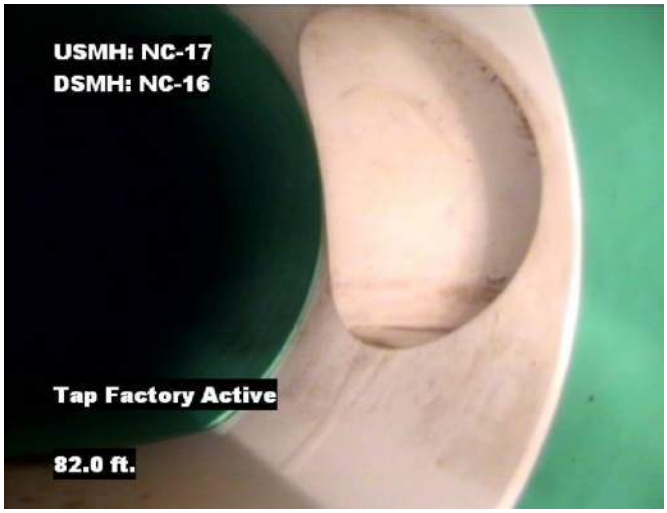
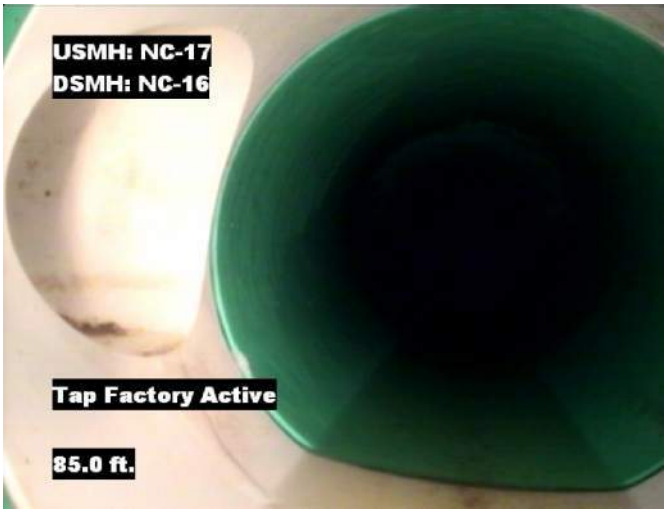
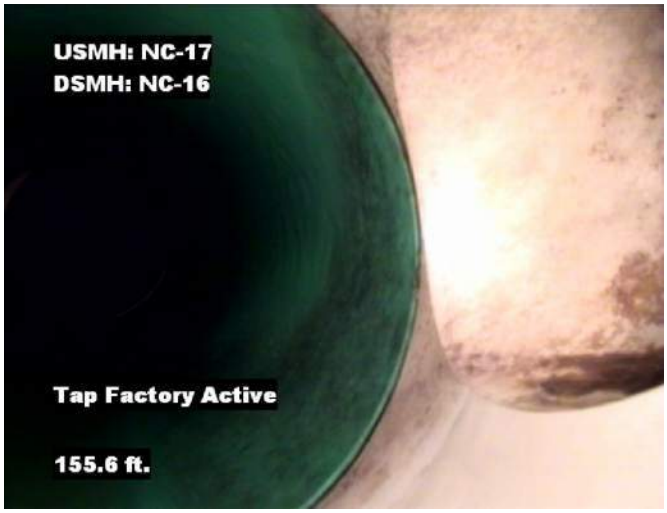
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
NC-17	**MEAD**	**JARETT DRIVE**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
NC-17			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
NC-16	**403.5**		**8**	**8**		



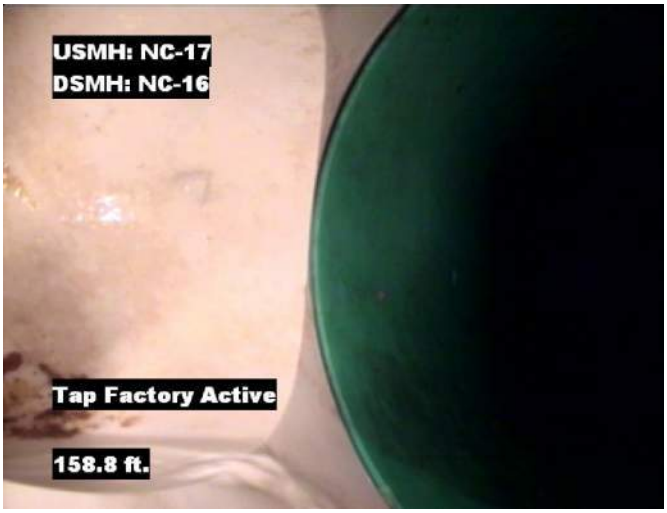
Distance: 82.0 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 85.0 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 155.6 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 158.8 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A

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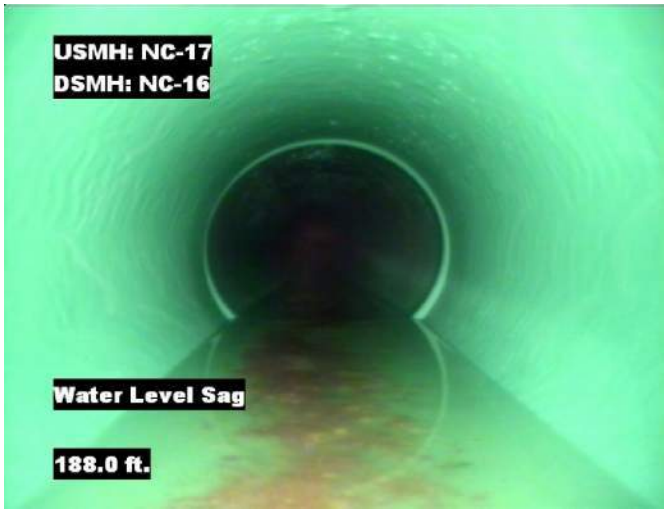
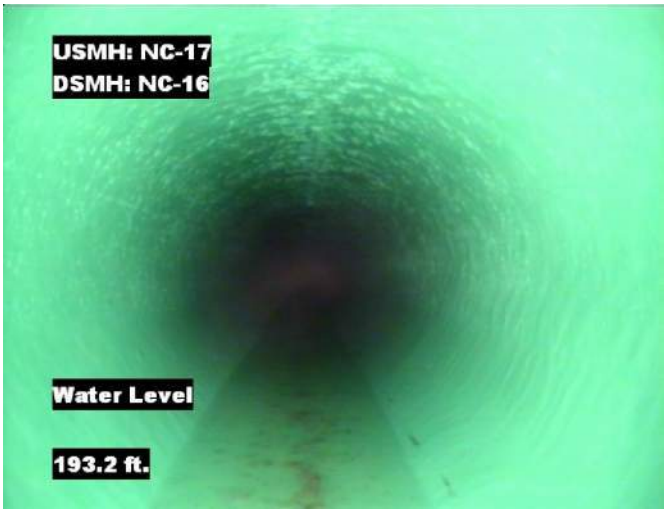
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
NC-17	**MEAD**	**JARETT DRIVE**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
NC-17			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
NC-16	**403.5**		**8**	**8**		

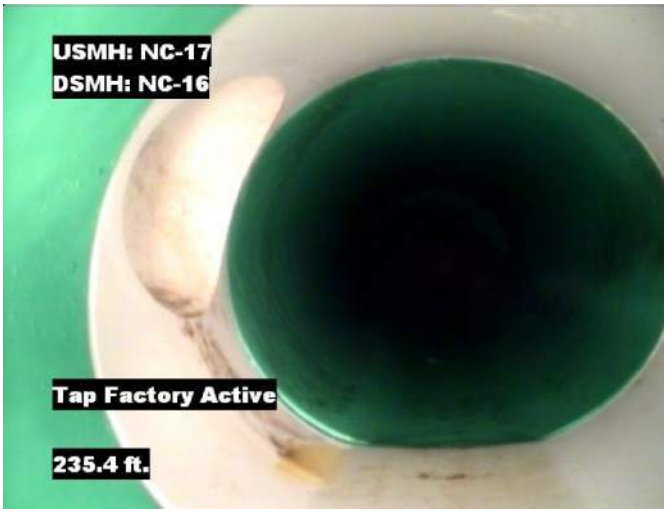


Distance: 188.0 ft. **Grade:** 2
Condition: Water Level
Remarks: N/A



Distance: 193.2 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A

Distance: 229.7 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 235.4 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A

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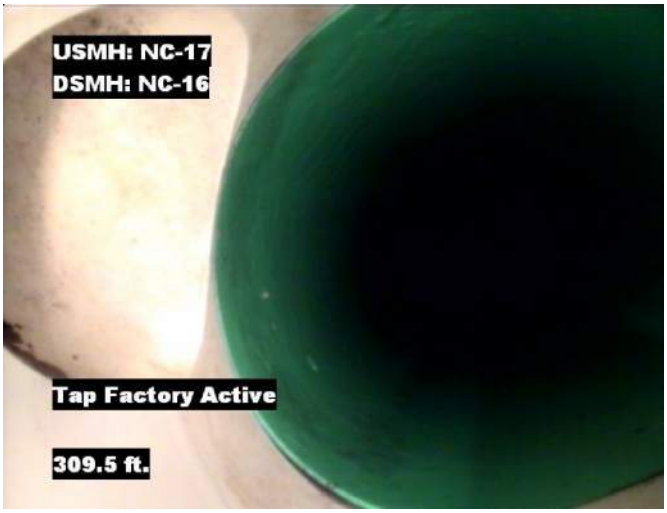
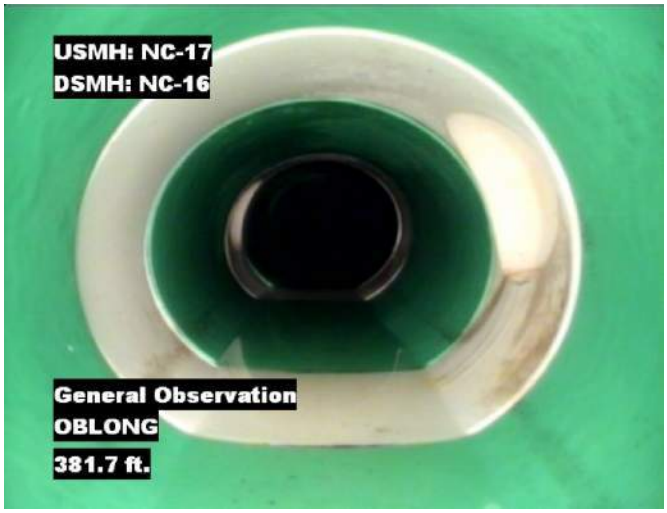
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
NC-17	**MEAD**	**JARETT DRIVE**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
NC-17			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
NC-16	**403.5**		**8**	**8**		

Distance: 308.1 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 309.5 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 381.7 ft. **Grade:** N/A
Condition: General Observation
Remarks: OBLONG

Distance: 382.6 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A

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Albuquerque, NM
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Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
NC-17	**MEAD**	**JARETT DRIVE**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
NC-17			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
NC-16	**403.5**		**8**	**8**		

Distance: 384.5 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A

Distance: 403.5 ft. **Grade:** N/A
Condition: Access Point Manhole
Remarks: NC-16

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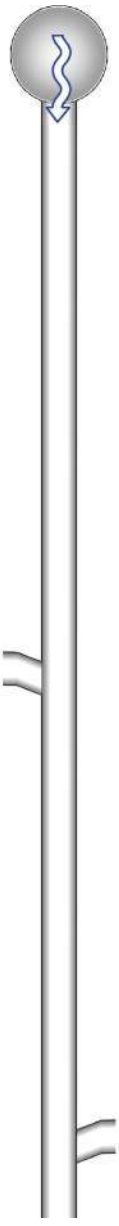
Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
NC-14	**MEAD**	**MEADOW LANE**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
NC-14			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
NC-1	**353.9**		**8**	**8**		

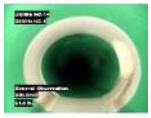
SPR **N/A**	MPR **10**	PO Number		Customer	
SPRI **N/A**	MPRI **2.0**	Work Order		Purpose	
QSR **N/A**	QMR **2500**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
10	**Tom**	**Downstream**	**20110721**	**2011**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
2.0	**U-109-7985**	**Jetting**	**09:09**	**Dry**	
	Date Cleaned		End Time	Additional Info	
			09:21		



0.0 ft. Access Point Manhole

0.0 ft. Water Level

61.0 ft. General Observation



61.8 ft. Tap Factory Made Active

85.3 ft. Water Level

90.7 ft. Water Level

102.8 ft. Tap Factory Made Active

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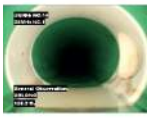
Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
NC-14	**MEAD**	**MEADOW LANE**	**PolyVinyl Chloride**		**Sanitary**
Upstream MH	Total Length	Year Laid	Shape	Location Details	
NC-14			**Circular**		
DS Manhole	Length surveyed	Year Renew...	Height / Width	Pipe Joint...	
NC-1	**353.9**		**8** / **8**		

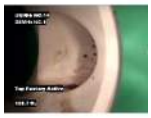
SPR **N/A**	MPR **10**	PO Number		Customer	
SPRI **N/A**	MPRI **2.0**	Work Order		Purpose	**Routine Assessment**
QSR **N/A**	QMR **2500**				
OPR	Surveyed By	Direction	Date	Media label	
10	**Tom**	**Downstream**	**20110721**	**2011**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
2.0	**U-109-7985**	**Jetting**	**09:09**	**Dry**	
	Date Cleaned		End Time	Additional Info	
			09:21		

138.2 ft. General Observation

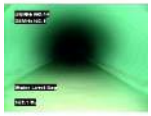


OBLONG

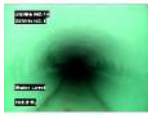
138.7 ft. Tap Factory Made Active



152.1 ft. Water Level

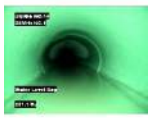


168.8 ft. Water Level

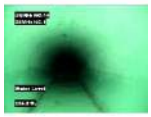


214.2 ft. Tap Factory Made Active

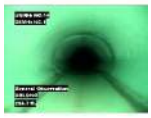
231.1 ft. Water Level



235.3 ft. Water Level



296.7 ft. General Observation



OBLONG

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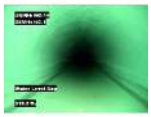
Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
NC-14	**MEAD**	**MEADOW LANE**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
NC-14			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
NC-1	**353.9**		**8**	**8**		

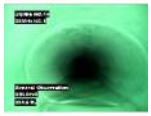
SPR **N/A**	MPR **10**	PO Number		Customer	
SPRI **N/A**	MPRI **2.0**	Work Order		Purpose	
QSR **N/A**	QMR **2500**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
10	**Tom**	**Downstream**	**20110721**	**2011**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
2.0	**U-109-7985**	**Jetting**	**09:09**	**Dry**	
Date Cleaned			End Time	Additional Info	
			09:21		

311.3 ft. Tap Factory Made Active

319.2 ft. Water Level

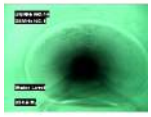


324.6 ft. General Observation



OBLONG

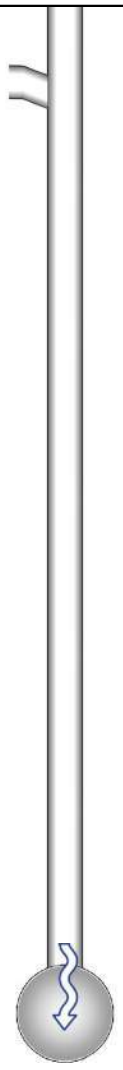
324.6 ft. Water Level



350.4 ft. Deposits Attached Encrustation

353.9 ft. Access Point Manhole

NC-1



NC-1

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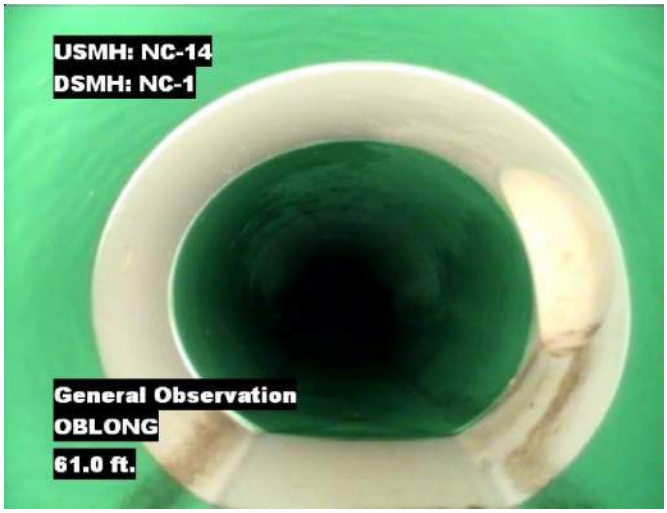
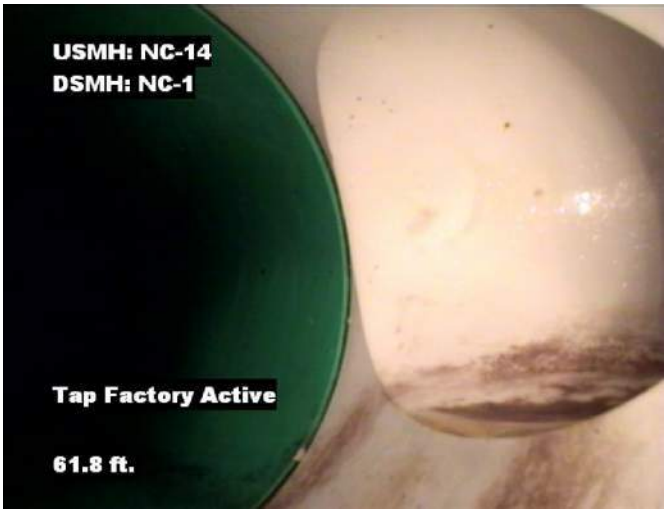
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
NC-14	**MEAD**	**MEADOW LANE**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
NC-14			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
NC-1	**353.9**		**8**	**8**		

Distance:	0.0 ft.	**Grade:**	N/A
Condition:	Access Point Manhole		
Remarks:	NC-14		

Distance:	0.0 ft.	**Grade:**	N/A
Condition:	Water Level		
Remarks:	N/A		



Distance:	61.0 ft.	**Grade:**	N/A
Condition:	General Observation		
Remarks:	OBLONG		



Distance:	61.8 ft.	**Grade:**	N/A
Condition:	Tap Factory Made Active		
Remarks:	N/A		

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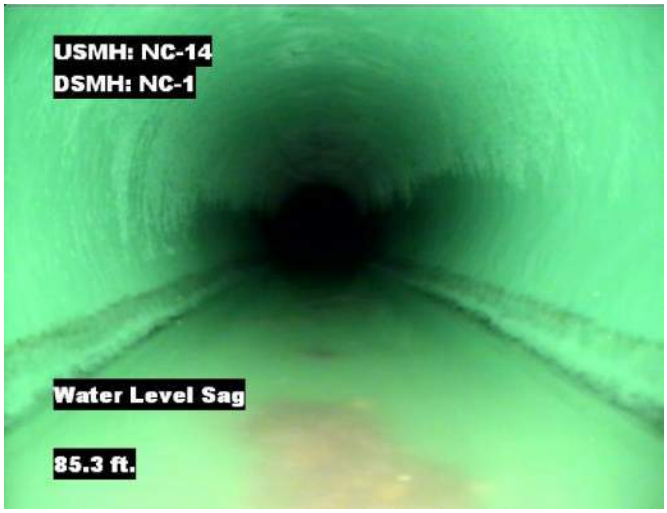
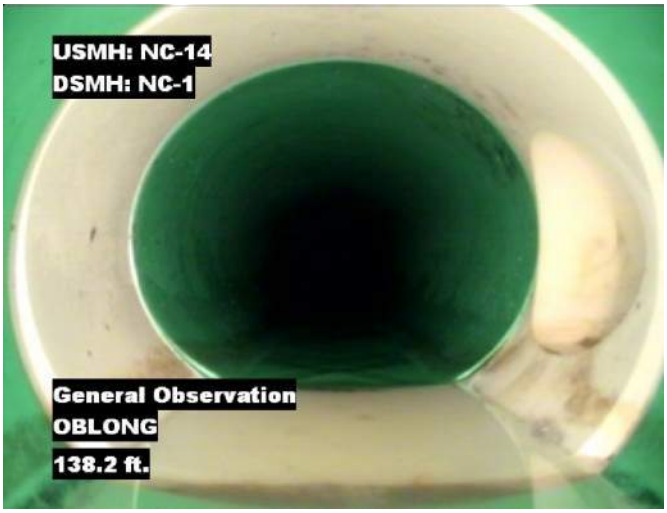
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
NC-14	**MEAD**	**MEADOW LANE**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
NC-14			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
NC-1	**353.9**		**8**	**8**		



Distance: 85.3 ft. **Grade:** 2
Condition: Water Level
Remarks: N/A

Distance: 90.7 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A

Distance: 102.8 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 138.2 ft. **Grade:** N/A
Condition: General Observation
Remarks: OBLONG

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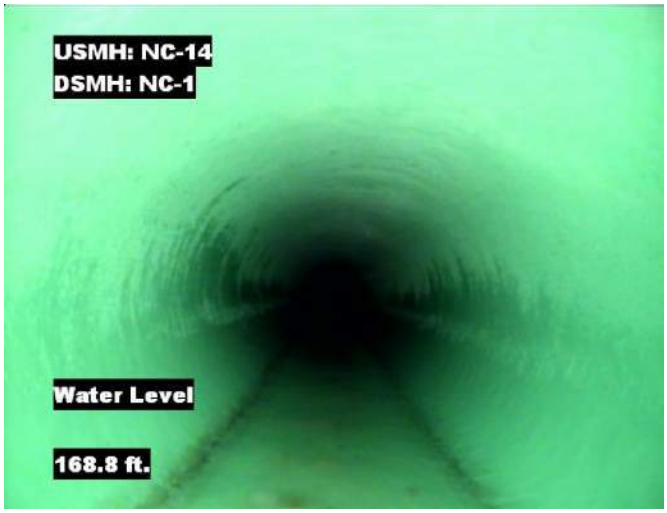
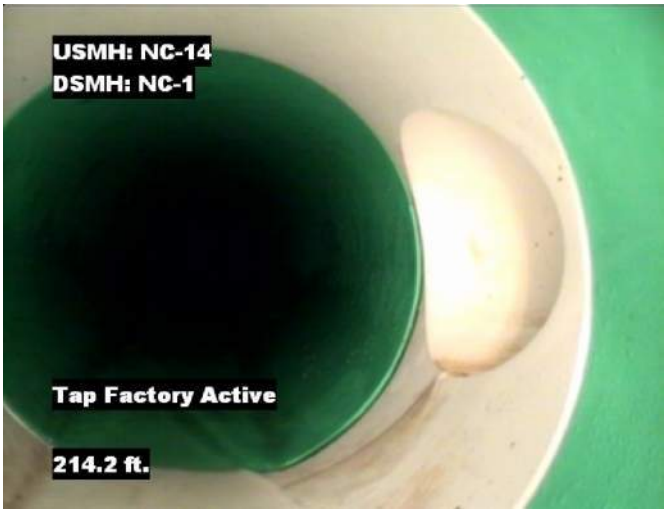
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
NC-14	**MEAD**	**MEADOW LANE**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
NC-14			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
NC-1	**353.9**		**8**	**8**		

Distance: 138.7 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A

Distance: 152.1 ft. **Grade:** 2
Condition: Water Level
Remarks: N/A



Distance: 168.8 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A



Distance: 214.2 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A

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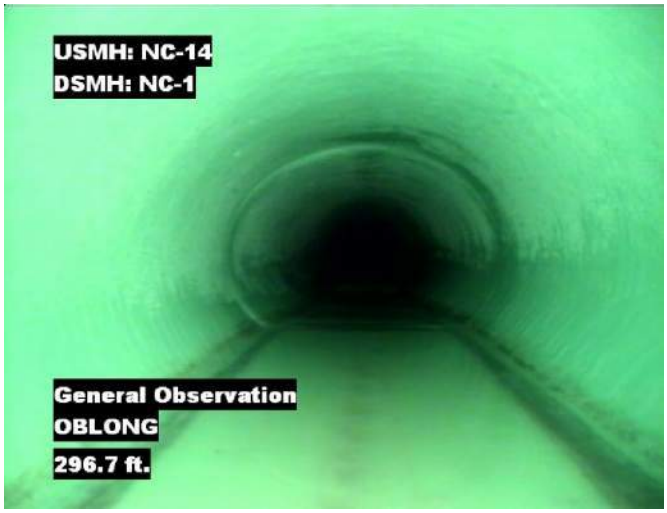
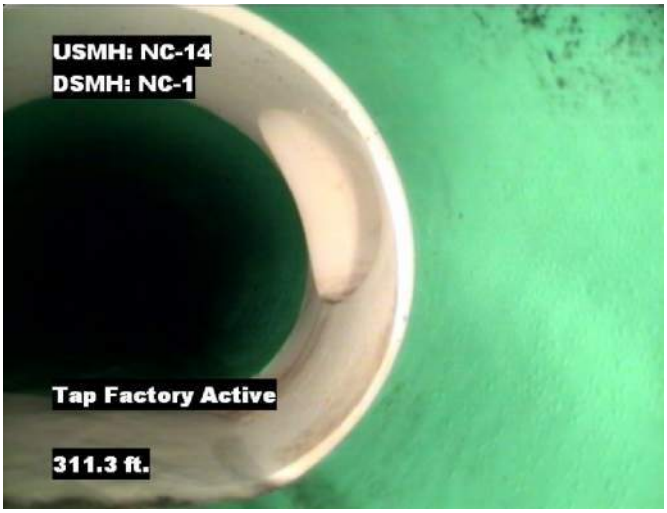
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
NC-14	**MEAD**	**MEADOW LANE**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
NC-14			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
NC-1	**353.9**		**8**	**8**		

Distance: 231.1 ft. **Grade:** 2
Condition: Water Level
Remarks: N/A

Distance: 235.3 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A



Distance: 296.7 ft. **Grade:** N/A
Condition: General Observation
Remarks: OBLONG



Distance: 311.3 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A

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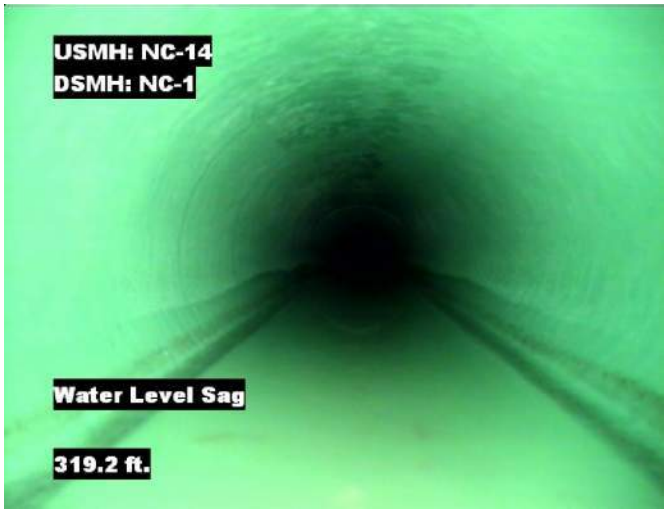
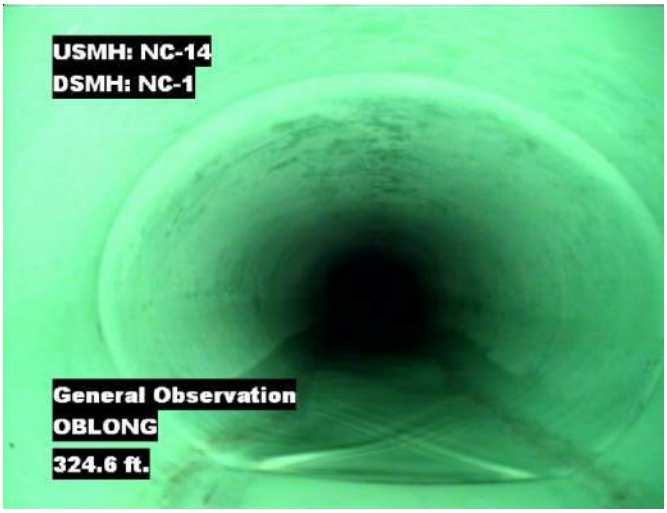
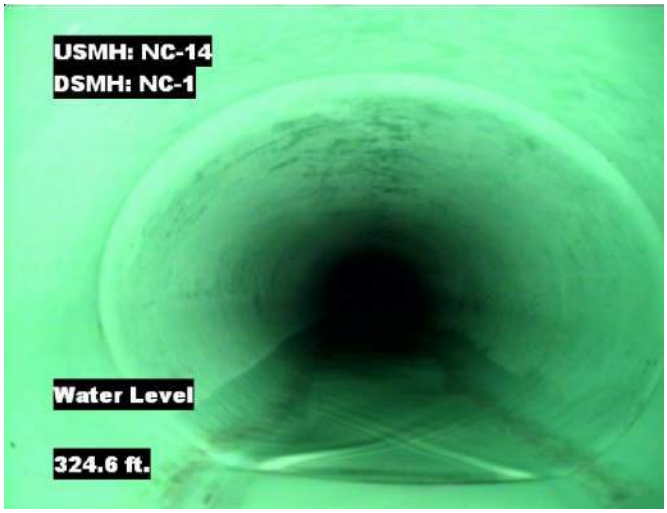
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
NC-14	**MEAD**	**MEADOW LANE**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
NC-14			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
NC-1	**353.9**		**8**	**8**		



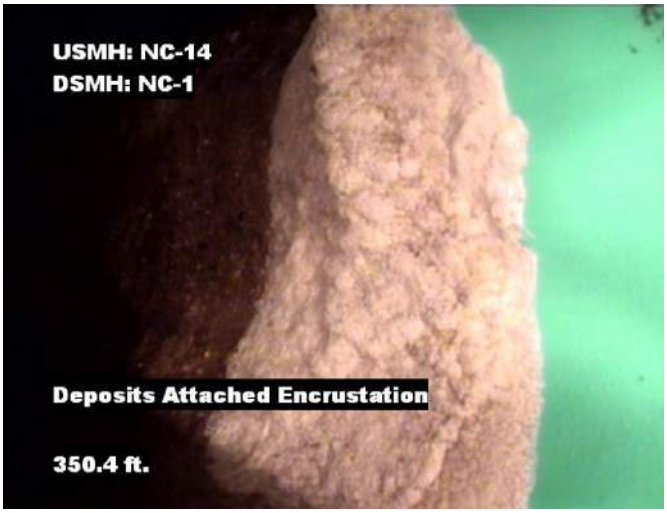
Distance: 319.2 ft. **Grade:** 2
Condition: Water Level
Remarks: N/A



Distance: 324.6 ft. **Grade:** N/A
Condition: General Observation
Remarks: OBLONG



Distance: 324.6 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A



Distance: 350.4 ft. **Grade:** 2
Condition: Deposits Attached Encrustation
Remarks: N/A

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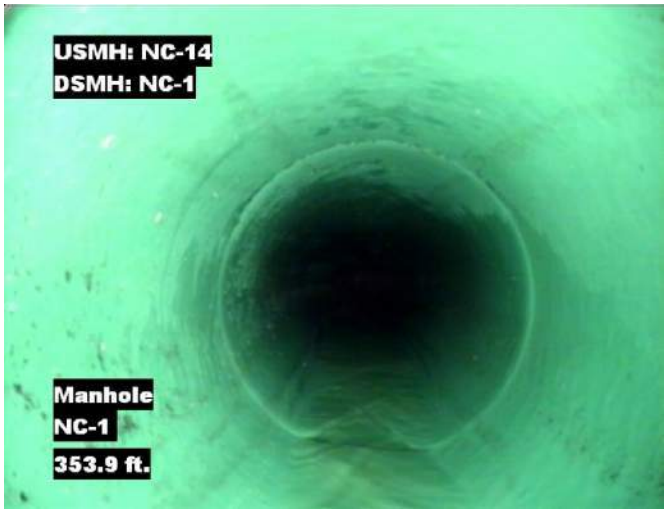
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
NC-14	**MEAD**	**MEADOW LANE**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
NC-14			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
NC-1	**353.9**		**8**	**8**		



Distance: 353.9 ft. **Grade:** N/A
Condition: Access Point Manhole
Remarks: NC-1

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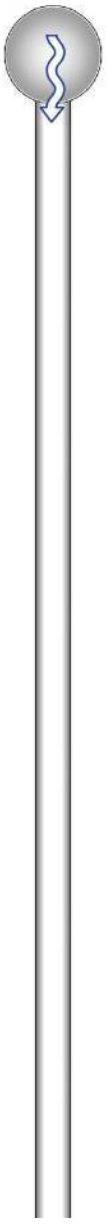
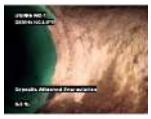
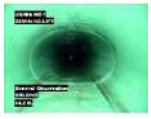
Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
NC-1	**MEAD**	**EASEMENT**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
NC-1			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
NC-LIFT	**43.3**		**8**	**8**		

SPR **N/A**	MPR **5**	PO Number		Customer	
SPRI **N/A**	MPRI **2.5**	Work Order		Purpose	**Routine Assessment**
QSR **N/A**	QMR **3121**				
OPR	Surveyed By	Direction	Date	Media label	
5	**Tom**	**Downstream**	**20110721**	**2011**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
2.5	**U-109-7985**	**Jetting**	**09:22**	**Dry**	
	Date Cleaned		End Time	Additional Info	
			09:35		



0.0 ft.	Access Point Manhole		NC-1
0.0 ft.	Water Level		
0.3 ft.	Deposits Attached Encrustation		
7.8 ft.	General Observation		OBLONG
14.2 ft.	General Observation		OBLONG
26.3 ft.	Water Level		
30.1 ft.	Obstacles Other		

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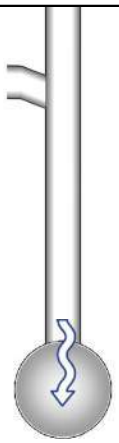
Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
NC-1	**MEAD**	**EASEMENT**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
NC-1			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
NC-LIFT	**43.3**		**8**	**8**		

SPR **N/A**	MPR **5**	PO Number		Customer	
SPRI **N/A**	MPRI **2.5**	Work Order		Purpose	
QSR **N/A**	QMR **3121**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
5	**Tom**	**Downstream**	**20110721**	**2011**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
2.5	**U-109-7985**	**Jetting**	**09:22**	**Dry**	
Date Cleaned			End Time	Additional Info	
			09:35		

30.1 ft. Tap Factory Made Active

43.3 ft. Access Point Wet Well



NC-LIFT

NC-LIFT

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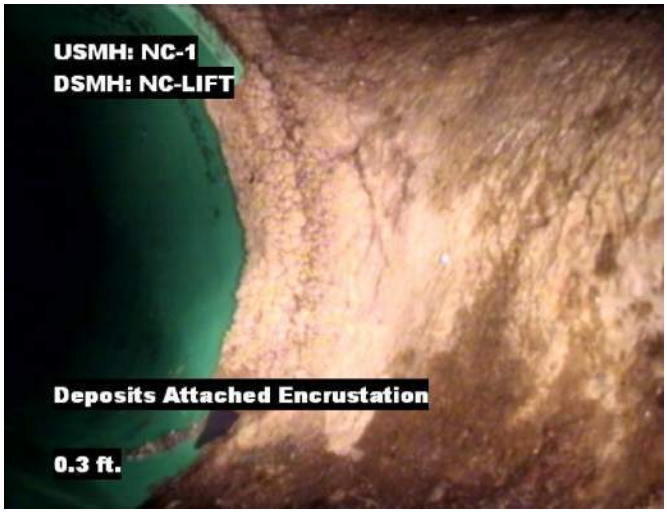
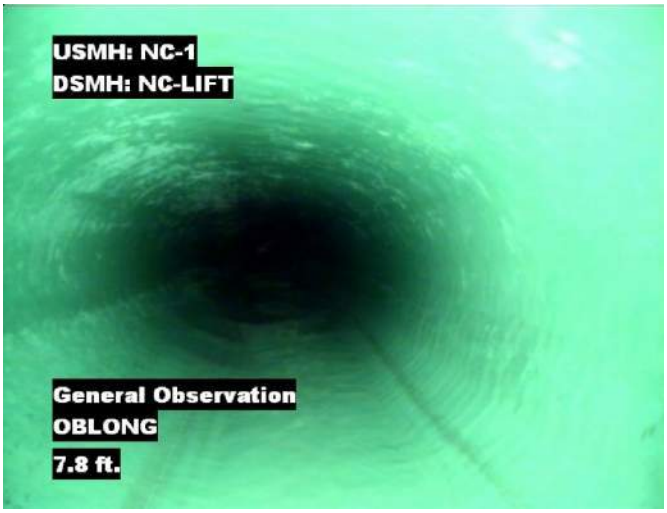
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
NC-1	**MEAD**	**EASEMENT**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
NC-1			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
NC-LIFT	**43.3**		**8**	**8**		

Distance: 0.0 ft. **Grade:** N/A
Condition: Access Point Manhole
Remarks: NC-1

Distance: 0.0 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A



Distance: 0.3 ft. **Grade:** 2
Condition: Deposits Attached Encrustation
Remarks: N/A



Distance: 7.8 ft. **Grade:** N/A
Condition: General Observation
Remarks: OBLONG

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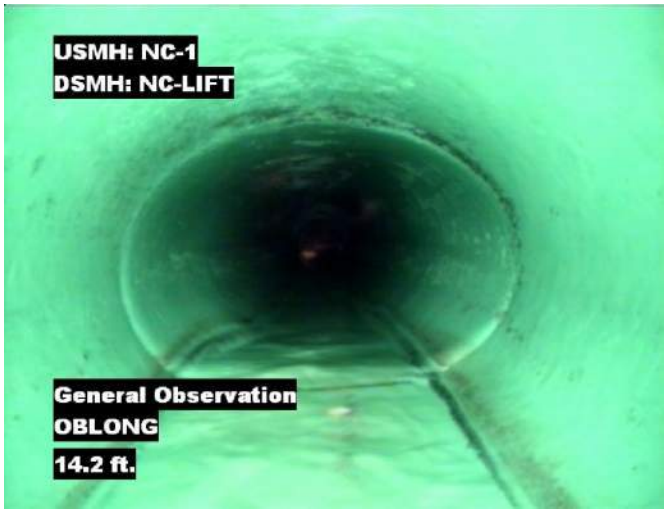
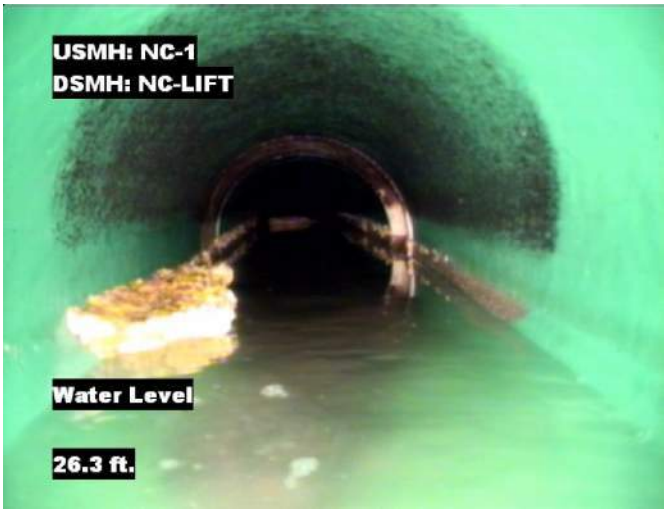
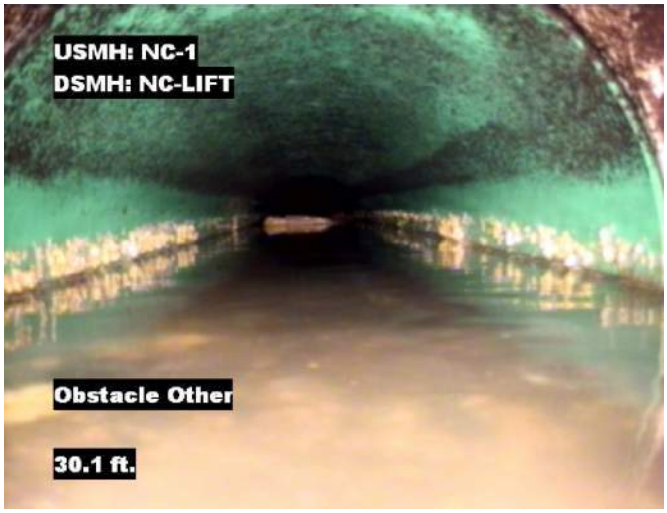
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
NC-1	**MEAD**	**EASEMENT**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
NC-1			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
NC-LIFT	**43.3**		**8**	**8**		



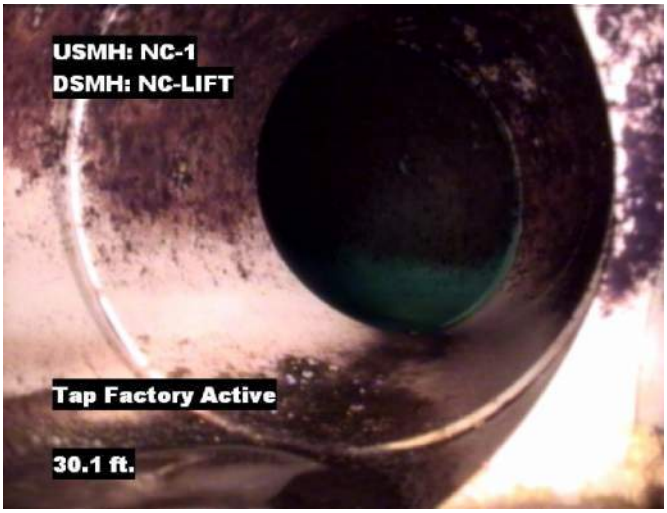
Distance: 14.2 ft. **Grade:** N/A
Condition: General Observation
Remarks: OBLONG



Distance: 26.3 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A



Distance: 30.1 ft. **Grade:** 3
Condition: Obstacles Other
Remarks: N/A



Distance: 30.1 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A

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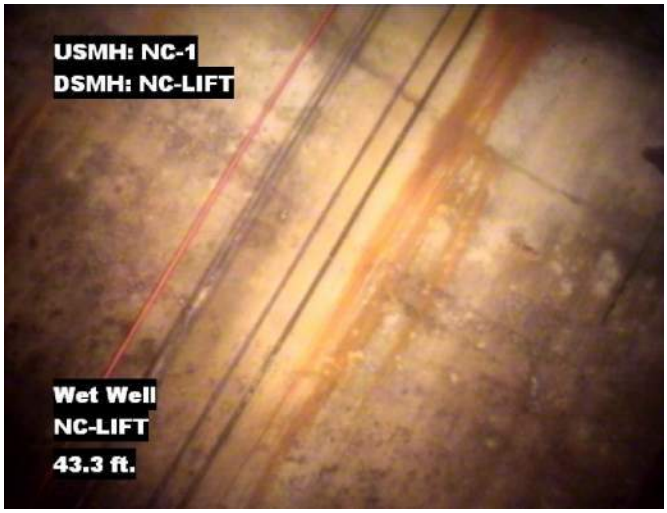
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
NC-1	**MEAD**	**EASEMENT**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
NC-1			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
NC-LIFT	**43.3**		**8**	**8**		



Distance: 43.3 ft. **Grade:** N/A
Condition: Access Point Wet Well
Remarks: NC-LIFT

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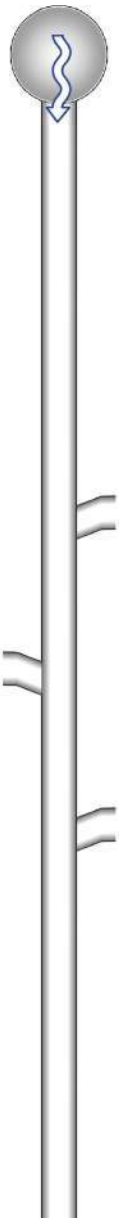
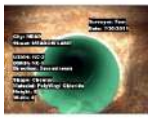
Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
NC-2	**MEAD**	**MEADOW LANE**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
NC-2			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
NC-1	**295.9**		**8**	**8**		

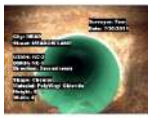
SPR **N/A**	MPR **N/A**	PO Number		Customer	
SPRI **N/A**	MPRI **N/A**	Work Order		Purpose	
QSR **N/A**	QMR **N/A**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
N/A	**Tom**	**Downstream**	**20110720**	**2011**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
N/A	**U-109-7985**	**Jetting**	**15:14**	**Dry**	
Date Cleaned			End Time	Additional Info	
			15:25		



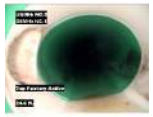
0.0 ft. Access Point Manhole



0.0 ft. Water Level

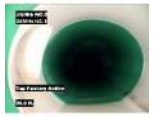


24.6 ft. Tap Factory Made Active

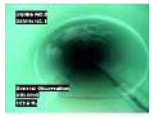


60.0 ft. Tap Factory Made Active

99.9 ft. Tap Factory Made Active

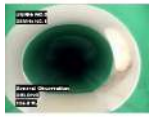


122.5 ft. General Observation



OBLONG

135.8 ft. General Observation



OBLONG

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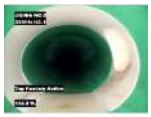
Defect Listing Plot with Images

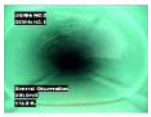
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
NC-2	**MEAD**	**MEADOW LANE**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
NC-2			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
NC-1	**295.9**		**8**	**8**		

SPR **N/A**	MPR **N/A**	PO Number		Customer	
SPRI **N/A**	MPRI **N/A**	Work Order		Purpose	**Routine Assessment**
QSR **N/A**	QMR **N/A**				
OPR	Surveyed By	Direction	Date	Media label	
N/A	**Tom**	**Downstream**	**20110720**	**2011**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
N/A	**U-109-7985**	**Jetting**	**15:14**	**Dry**	
Date Cleaned			End Time	Additional Info	
			15:25		

135.8 ft. Tap Factory Made Active

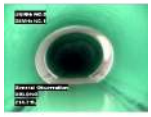


175.8 ft. General Observation



OBLONG

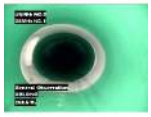
214.7 ft. General Observation



OBLONG

215.8 ft. Tap Factory Made Active

260.5 ft. General Observation



OBLONG

261.5 ft. Tap Factory Made Active

295.9 ft. Access Point Manhole

NC-1

NC-1

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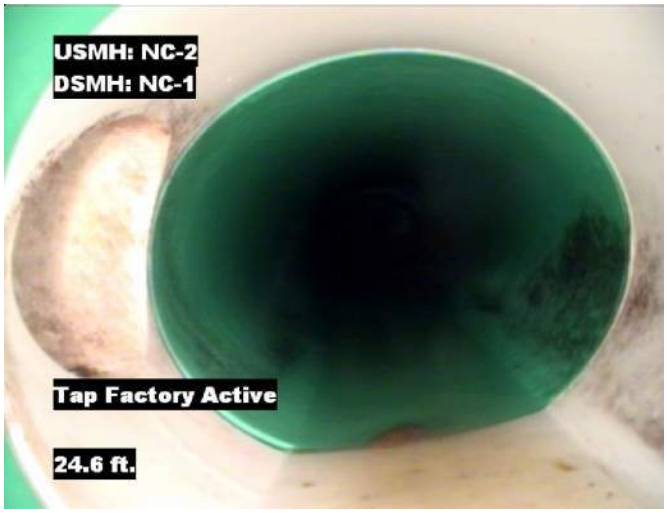
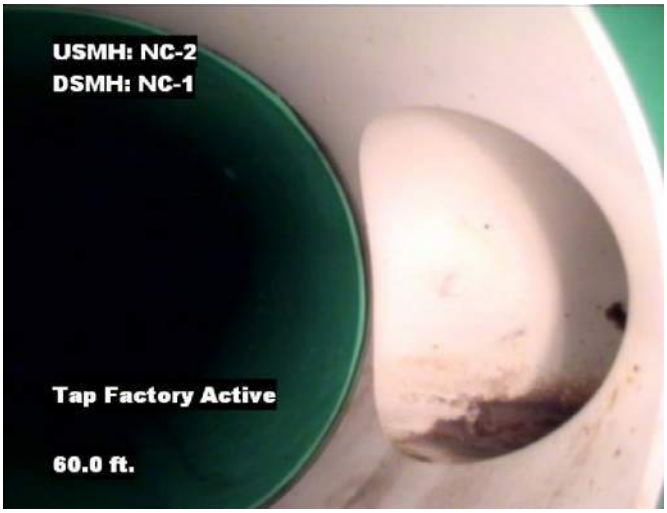
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
NC-2	**MEAD**	**MEADOW LANE**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
NC-2			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
NC-1	**295.9**		**8**	**8**		

Distance:	0.0 ft.	**Grade:**	N/A
Condition:	Access Point Manhole		
Remarks:	NC-2		

Distance:	0.0 ft.	**Grade:**	N/A
Condition:	Water Level		
Remarks:	N/A		



Distance:	24.6 ft.	**Grade:**	N/A
Condition:	Tap Factory Made Active		
Remarks:	N/A		



Distance:	60.0 ft.	**Grade:**	N/A
Condition:	Tap Factory Made Active		
Remarks:	N/A		

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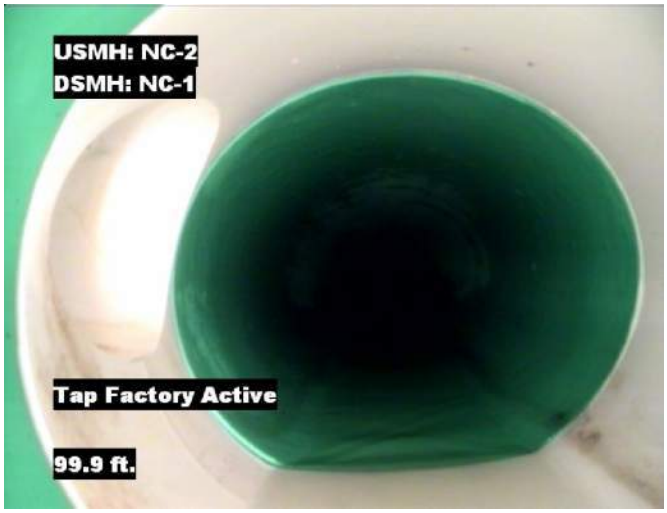
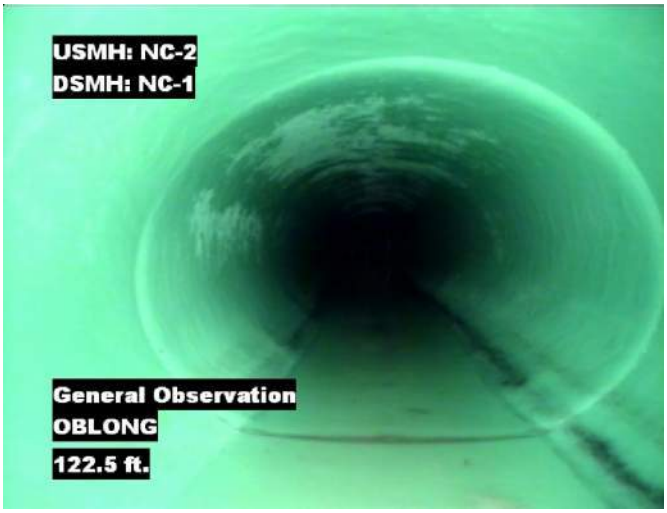
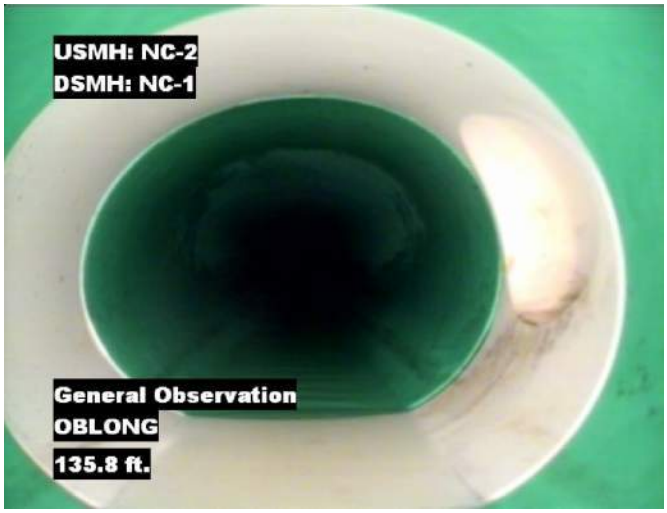
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
NC-2	**MEAD**	**MEADOW LANE**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
NC-2			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
NC-1	**295.9**		**8**	**8**		



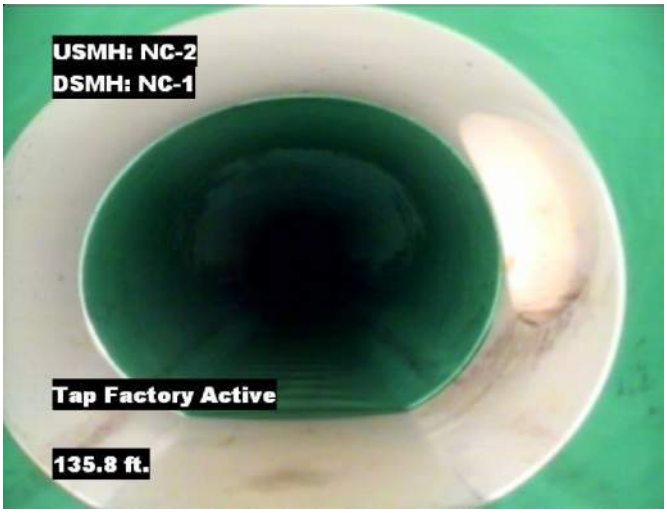
Distance: 99.9 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 122.5 ft. **Grade:** N/A
Condition: General Observation
Remarks: OBLONG



Distance: 135.8 ft. **Grade:** N/A
Condition: General Observation
Remarks: OBLONG



Distance: 135.8 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A

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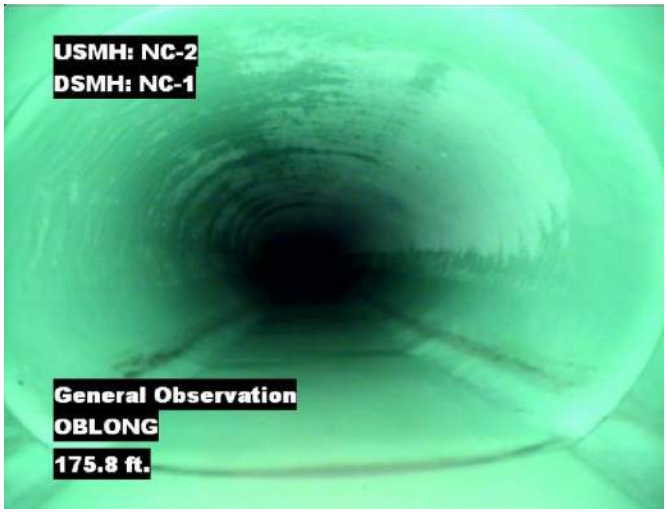
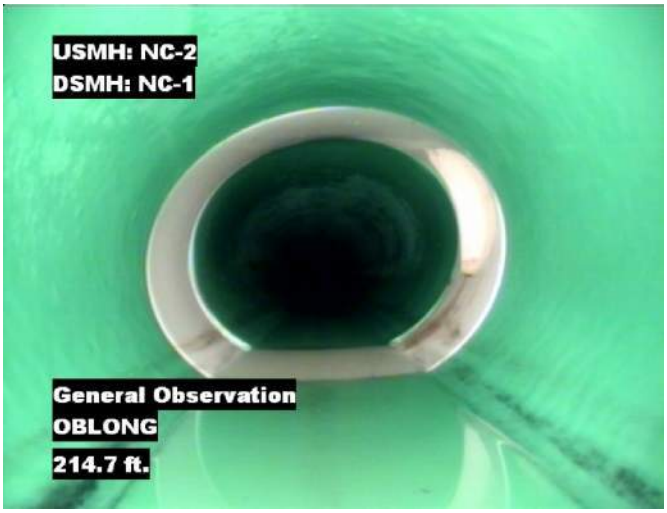
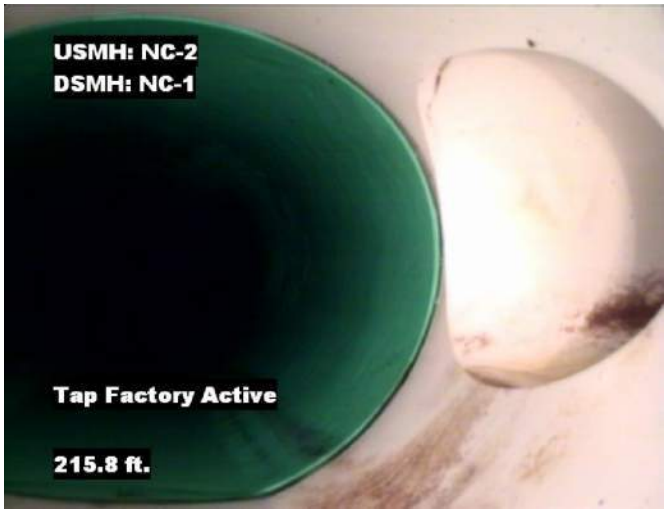
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
NC-2	**MEAD**	**MEADOW LANE**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
NC-2			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
NC-1	**295.9**		**8**	**8**		



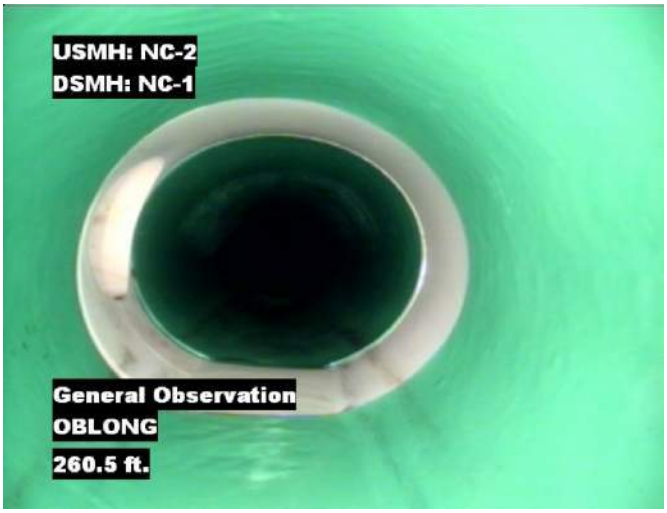
Distance: 175.8 ft. **Grade:** N/A
Condition: General Observation
Remarks: OBLONG



Distance: 214.7 ft. **Grade:** N/A
Condition: General Observation
Remarks: OBLONG



Distance: 215.8 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 260.5 ft. **Grade:** N/A
Condition: General Observation
Remarks: OBLONG

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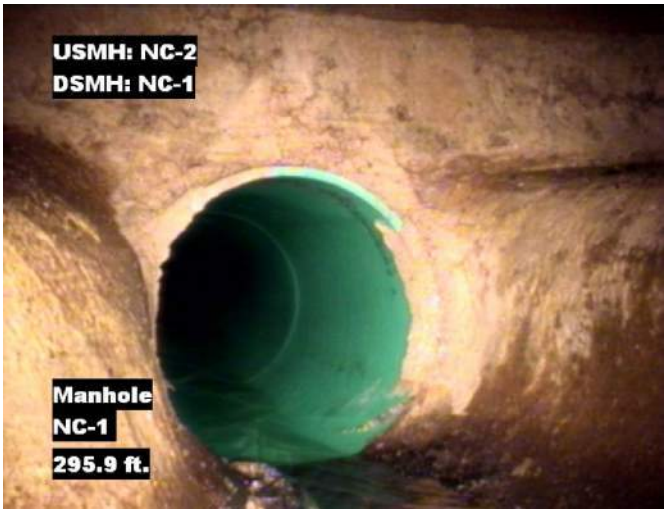
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
NC-2	**MEAD**	**MEADOW LANE**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
NC-2			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
NC-1	**295.9**		**8**	**8**		

Distance: 261.5 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 295.9 ft. **Grade:** N/A
Condition: Access Point Manhole
Remarks: NC-1

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Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
NC-3	**MEAD**	**MEADOW LANE**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
NC-3			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
NC-2	**405.2**		**8**	**8**		

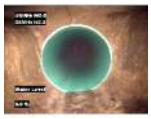
SPR **N/A**	MPR **N/A**	PO Number		Customer	
SPRI **N/A**	MPRI **N/A**	Work Order		Purpose	
QSR **N/A**	QMR **N/A**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
N/A	**Tom**	**Downstream**	**20110720**	**2011**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
N/A	**U-109-7985**	**Jetting**	**14:59**	**Dry**	
Date Cleaned			End Time	Additional Info	
			15:13		

NC-3

0.0 ft. Access Point Manhole

NC-3

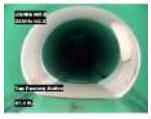
0.0 ft. Water Level



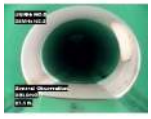
10.6 ft. Tap Factory Made Active

14.0 ft. Tap Factory Made Active

87.1 ft. Tap Factory Made Active



87.1 ft. General Observation



OBLONG

127.4 ft. Tap Factory Made Active

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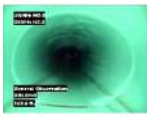
Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
NC-3	**MEAD**	**MEADOW LANE**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
NC-3			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
NC-2	**405.2**		**8**	**8**		

SPR **N/A**	MPR **N/A**	PO Number		Customer	
SPRI **N/A**	MPRI **N/A**	Work Order		Purpose	
QSR **N/A**	QMR **N/A**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
N/A	**Tom**	**Downstream**	**20110720**	**2011**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
N/A	**U-109-7985**	**Jetting**	**14:59**	**Dry**	
	Date Cleaned		End Time	Additional Info	
			15:13		

153.6 ft. General Observation

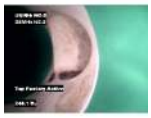


OBLONG

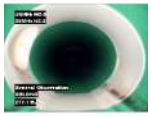
160.1 ft. Tap Factory Made Active

203.9 ft. Tap Factory Made Active

240.1 ft. Tap Factory Made Active



277.1 ft. General Observation



OBLONG

277.1 ft. Tap Factory Made Active

313.1 ft. Tap Factory Made Active

353.5 ft. Tap Factory Made Active

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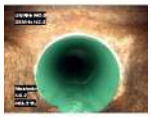
Defect Listing Plot with Images

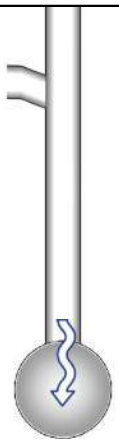
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
NC-3	**MEAD**	**MEADOW LANE**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
NC-3			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
NC-2	**405.2**		**8**	**8**		

SPR **N/A**	MPR **N/A**	PO Number		Customer	
SPRI **N/A**	MPRI **N/A**	Work Order		Purpose	
QSR **N/A**	QMR **N/A**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
N/A	**Tom**	**Downstream**	**20110720**	**2011**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
N/A	**U-109-7985**	**Jetting**	**14:59**	**Dry**	
Date Cleaned			End Time	Additional Info	
			15:13		

386.8 ft. Tap Factory Made Active

405.2 ft. Access Point Manhole





NC-2

NC-2

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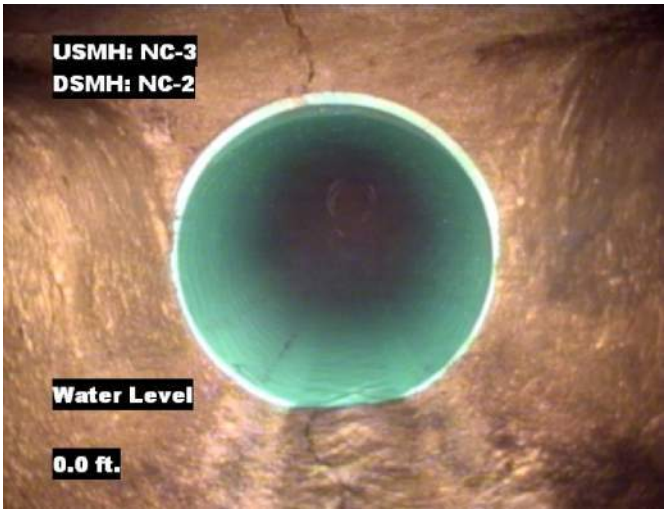
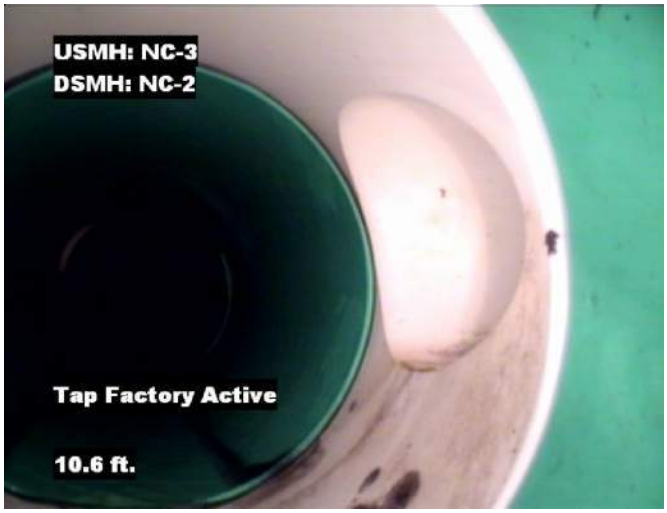
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
NC-3	**MEAD**	**MEADOW LANE**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
NC-3			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
NC-2	**405.2**		**8**	**8**		

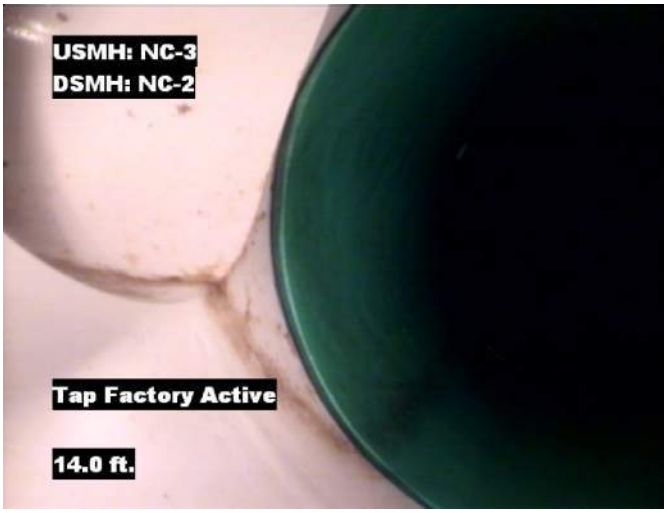
Distance: 0.0 ft. **Grade:** N/A
Condition: Access Point Manhole
Remarks: NC-3



Distance: 0.0 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A



Distance: 10.6 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 14.0 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A

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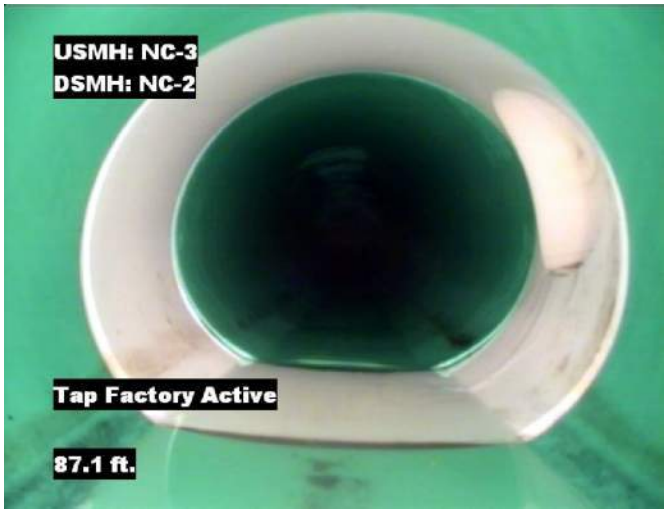
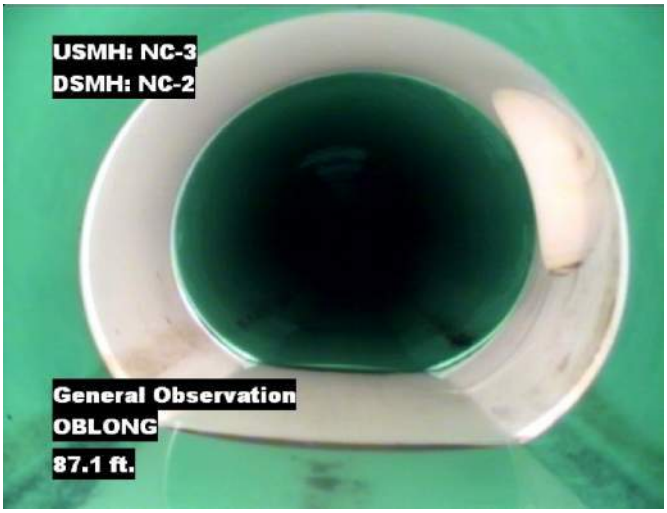
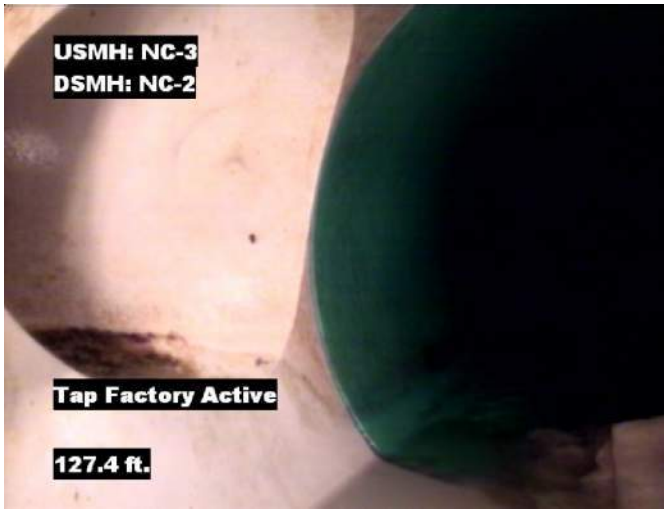
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
NC-3	**MEAD**	**MEADOW LANE**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
NC-3			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
NC-2	**405.2**		**8**	**8**		



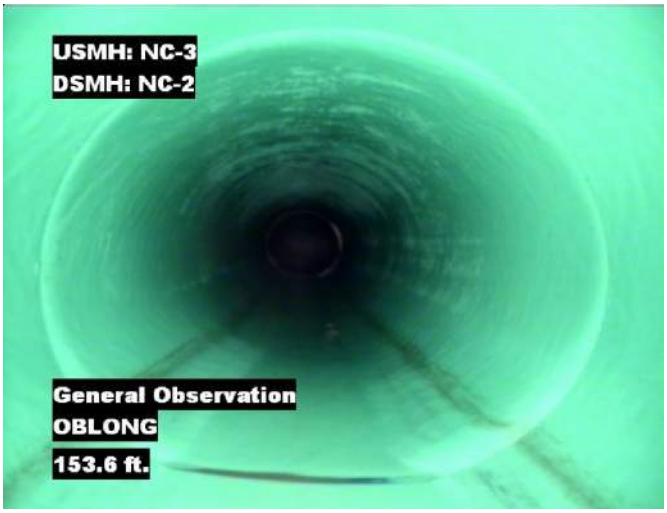
Distance: 87.1 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 87.1 ft. **Grade:** N/A
Condition: General Observation
Remarks: OBLONG



Distance: 127.4 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 153.6 ft. **Grade:** N/A
Condition: General Observation
Remarks: OBLONG

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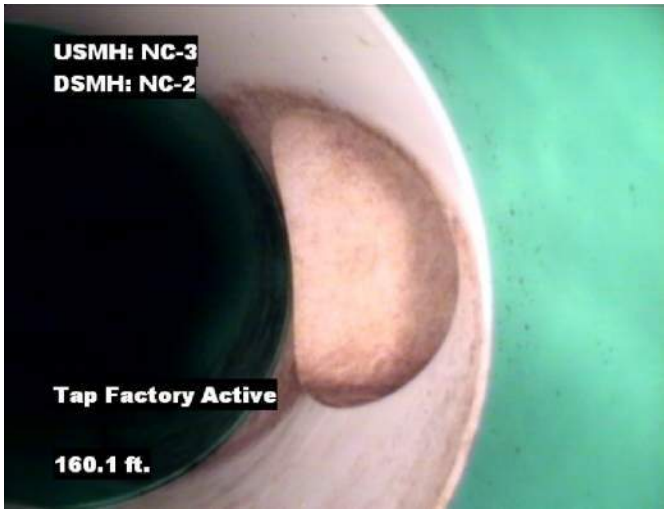
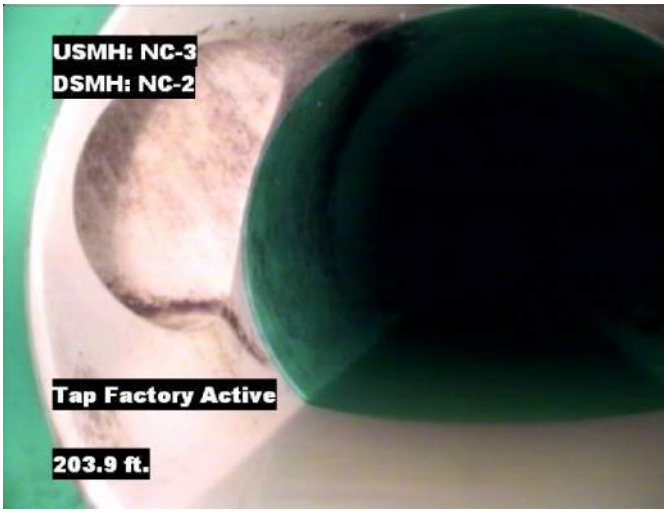
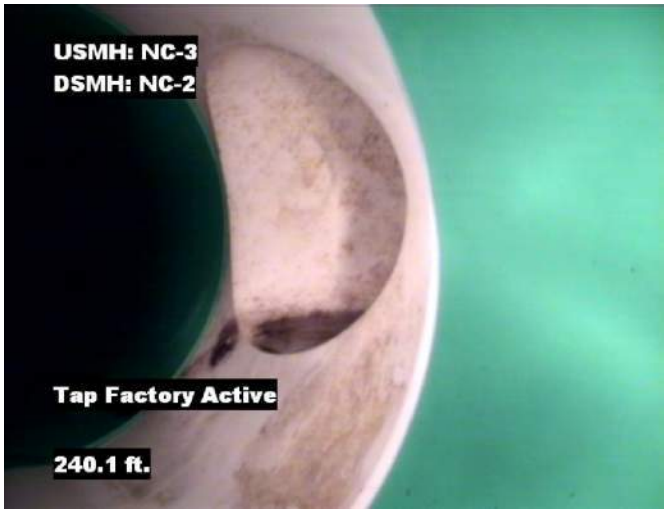
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
NC-3	**MEAD**	**MEADOW LANE**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
NC-3			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
NC-2	**405.2**		**8**	**8**		



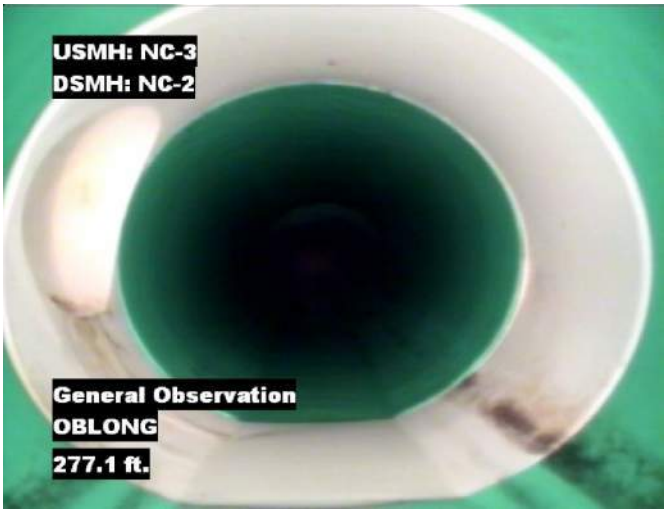
Distance: 160.1 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 203.9 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 240.1 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 277.1 ft. **Grade:** N/A
Condition: General Observation
Remarks: OBLONG

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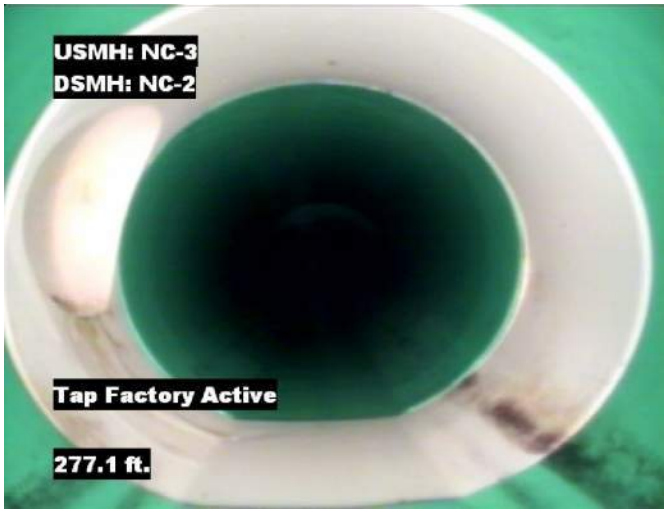
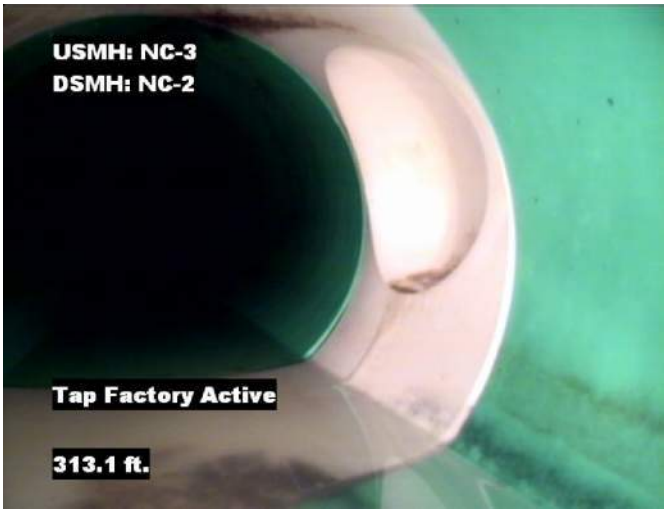
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
NC-3	**MEAD**	**MEADOW LANE**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
NC-3			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
NC-2	**405.2**		**8**	**8**		

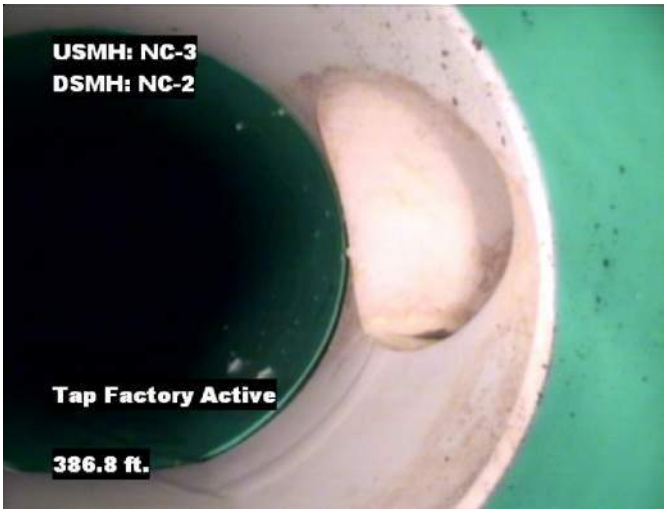


Distance: 277.1 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 313.1 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A

Distance: 353.5 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A



Distance: 386.8 ft. **Grade:** N/A
Condition: Tap Factory Made Active
Remarks: N/A

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Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
NC-3	**MEAD**	**MEADOW LANE**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
NC-3			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
NC-2	**405.2**		**8**	**8**		

Distance: 405.2 ft. **Grade:** N/A
Condition: Access Point Manhole
Remarks: NC-2

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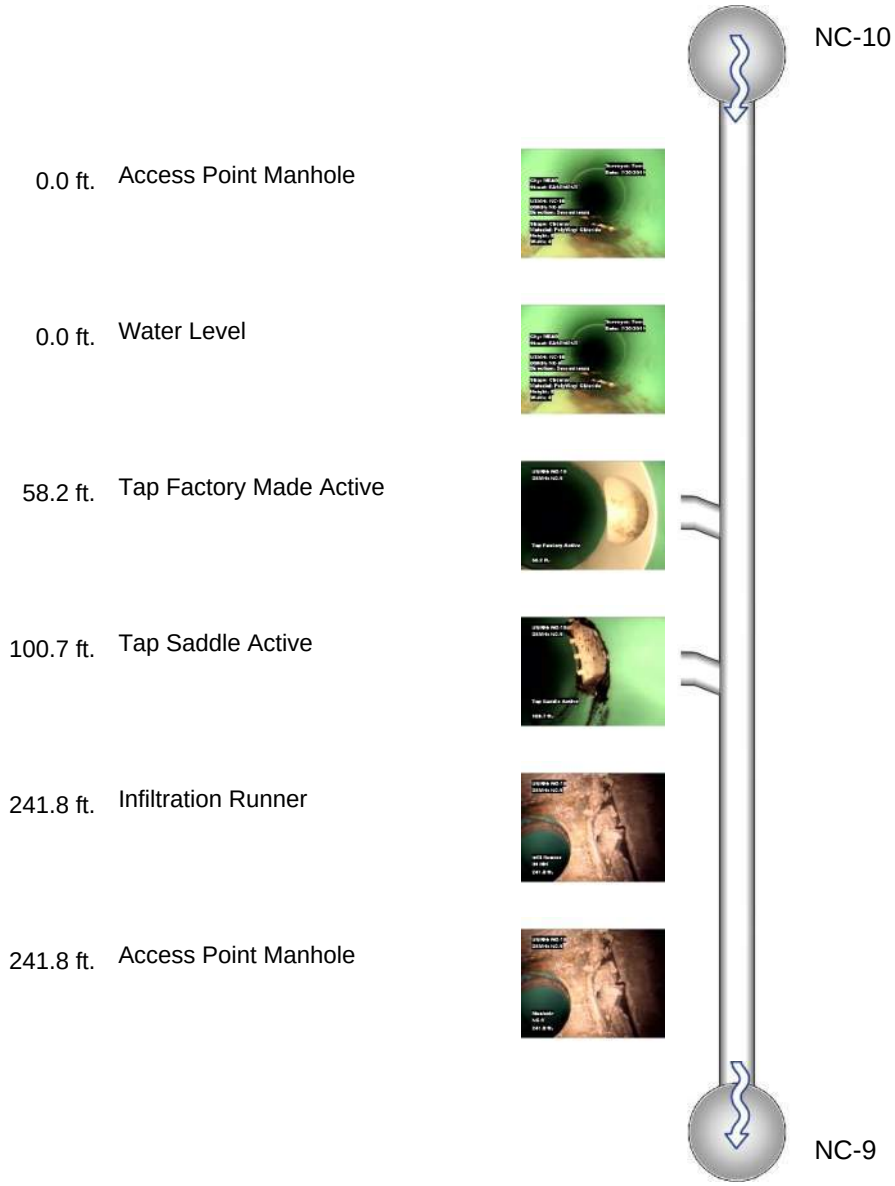
Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
NC-10	**MEAD**	**EASEMENT**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
NC-10			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
NC-9	**241.8**		**8**	**8**		

SPR **N/A**	MPR **4**	PO Number		Customer	
SPRI **N/A**	MPRI **4.0**	Work Order		Purpose	
QSR **N/A**	QMR **4100**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
4	**Tom**	**Downstream**	**20110720**	**2011**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
4.0	**U-109-7985**	**Jetting**	**14:17**	**Dry**	
	Date Cleaned		End Time	Additional Info	
			14:25		



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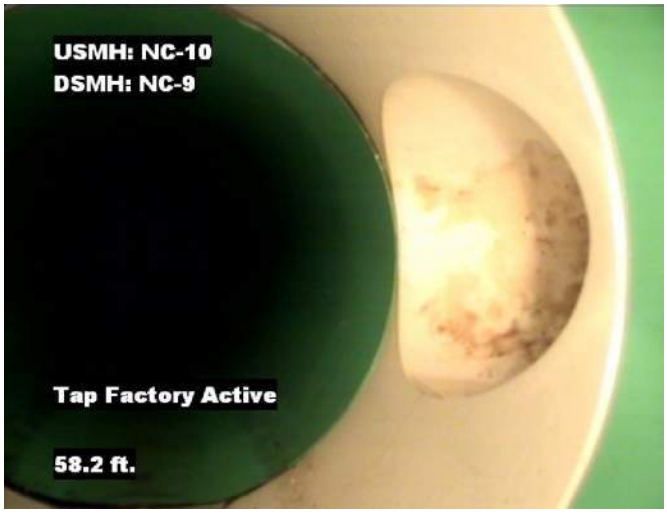
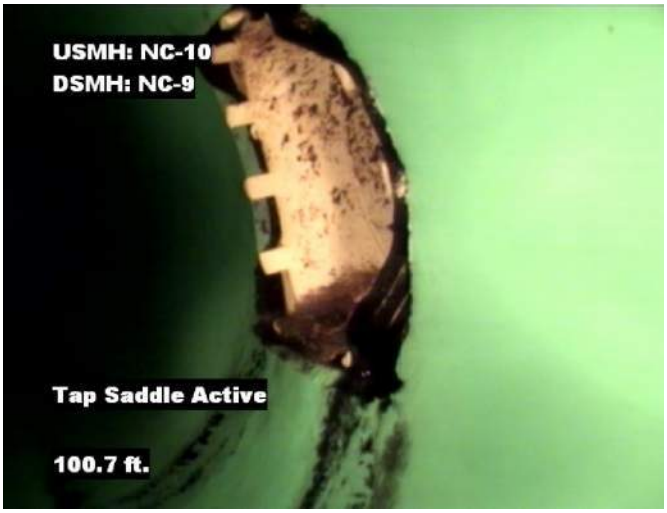
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
NC-10	**MEAD**	**EASEMENT**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
NC-10			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
NC-9	**241.8**		**8**	**8**		

Distance:	0.0 ft.	**Grade:**	N/A
Condition:	Access Point Manhole		
Remarks:	NC-10		

Distance:	0.0 ft.	**Grade:**	N/A
Condition:	Water Level		
Remarks:	N/A		



Distance:	58.2 ft.	**Grade:**	N/A
Condition:	Tap Factory Made Active		
Remarks:	N/A		



Distance:	100.7 ft.	**Grade:**	N/A
Condition:	Tap Saddle Active		
Remarks:	N/A		

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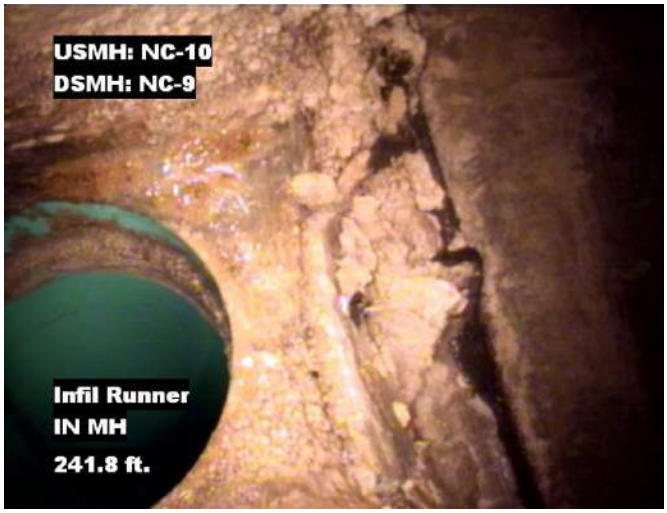
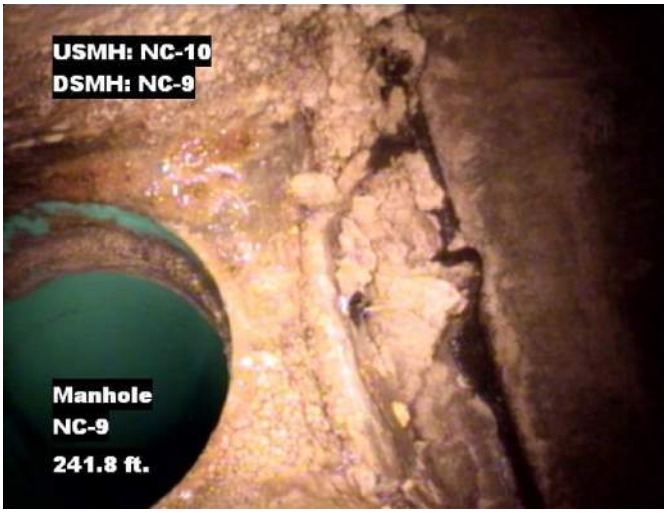
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
NC-10	**MEAD**	**EASEMENT**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
NC-10			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
NC-9	**241.8**		**8**	**8**		



Distance: 241.8 ft. **Grade:** 4
Condition: Infiltration Runner
Remarks: IN MH



Distance: 241.8 ft. **Grade:** N/A
Condition: Access Point Manhole
Remarks: NC-9

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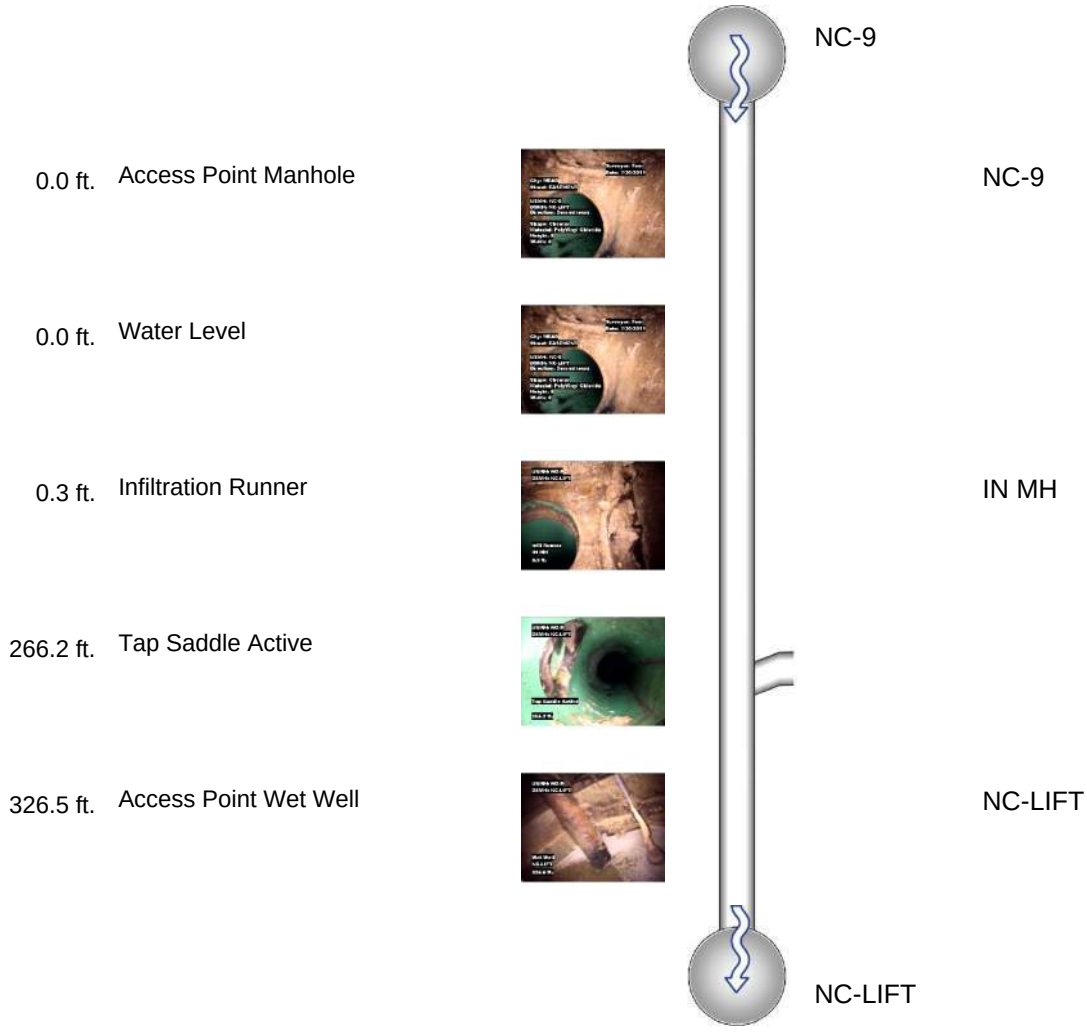
Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
NC-9	**MEAD**	**EASEMENT**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
NC-9			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
NC-LIFT	**326.5**		**8**	**8**		

SPR **N/A**	MPR **4**	PO Number		Customer	
SPRI **N/A**	MPRI **4.0**	Work Order		Purpose	
QSR **N/A**	QMR **4100**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date		Media label
4	**Tom**	**Downstream**	**20110720**		**2011**
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
4.0	**U-109-7985**	**Jetting**	**14:26**	**Dry**	
	Date Cleaned		End Time	Additional Info	
			14:37		



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Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
NC-9	**MEAD**	**EASEMENT**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
NC-9			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
NC-LIFT	**326.5**		**8**	**8**		

Distance: 0.0 ft. **Grade:** N/A
Condition: Access Point Manhole
Remarks: NC-9

Distance: 0.0 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A

Distance: 0.3 ft. **Grade:** 4
Condition: Infiltration Runner
Remarks: IN MH

Distance: 266.2 ft. **Grade:** N/A
Condition: Tap Saddle Active
Remarks: N/A

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Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
NC-9	**MEAD**	**EASEMENT**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
NC-9			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
NC-LIFT	**326.5**		**8**	**8**		

Distance: 326.5 ft. **Grade:** N/A
Condition: Access Point Wet Well
Remarks: NC-LIFT

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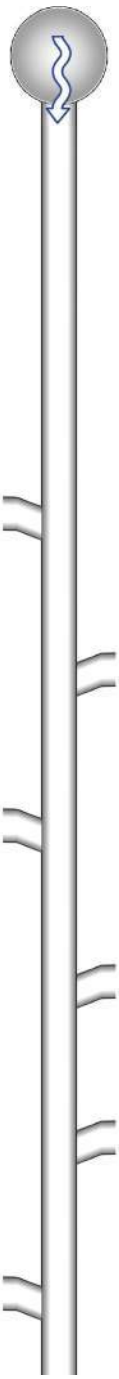
Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
13	**MEAD**	**ALLEY**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-16			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-10	**402.4**		**8**	**8**		

SPR	**N/A**	MPR	**N/A**	PO Number	Customer
SPRI	**N/A**	MPRI	**N/A**		
QSR	**N/A**	QMR	**N/A**	Work Order	Purpose
					Routine Assessment

OPR	Surveyed By	Direction	Date	Media label
N/A	**Tom**	**Downstream**	**20150901**	**2015**
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
N/A	**U-109-7985**	**Jetting**	**07:51**	**Dry**
Date Cleaned			End Time	Additional Info
			08:04	



0.0 ft. Manhole

0.0 ft. Water Level

35.6 ft. Tap Factory Active

38.5 ft. Tap Factory Active

93.3 ft. Tap Factory Active

97.0 ft. Tap Factory Active

155.1 ft. Tap Factory Active

159.2 ft. Tap Factory Active

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Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
13	**MEAD**	**ALLEY**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-16			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-10	**402.4**		**8**	**8**		

SPR **N/A**	MPR **N/A**	PO Number		Customer	
SPRI **N/A**	MPRI **N/A**	Work Order		Purpose	
QSR **N/A**	QMR **N/A**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
N/A	**Tom**	**Downstream**	**20150901**	**2015**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
N/A	**U-109-7985**	**Jetting**	**07:51**	**Dry**	
Date Cleaned			End Time	Additional Info	
			08:04		

175.8 ft. Water Level

189.4 ft. Water Level

223.0 ft. Tap Factory Active

226.3 ft. Tap Factory Active

291.0 ft. Tap Factory Active

293.8 ft. Tap Factory Active

325.1 ft. Tap Factory Active

327.9 ft. Tap Factory Active

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Defect Listing Plot with Images

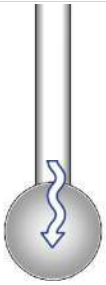
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
13	**MEAD**	**ALLEY**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-16			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-10	**402.4**		**8**	**8**		

SPR	**N/A**	MPR	**N/A**	PO Number	Customer
SPRI	**N/A**	MPRI	**N/A**		
QSR	**N/A**	QMR	**N/A**	Work Order	Purpose
					Routine Assessment

OPR	Surveyed By	Direction	Date	Media label
N/A	**Tom**	**Downstream**	**20150901**	**2015**
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
N/A	**U-109-7985**	**Jetting**	**07:51**	**Dry**
Date Cleaned			End Time	Additional Info
			08:04	

402.4 ft. Manhole

OTM-10



OTM-10

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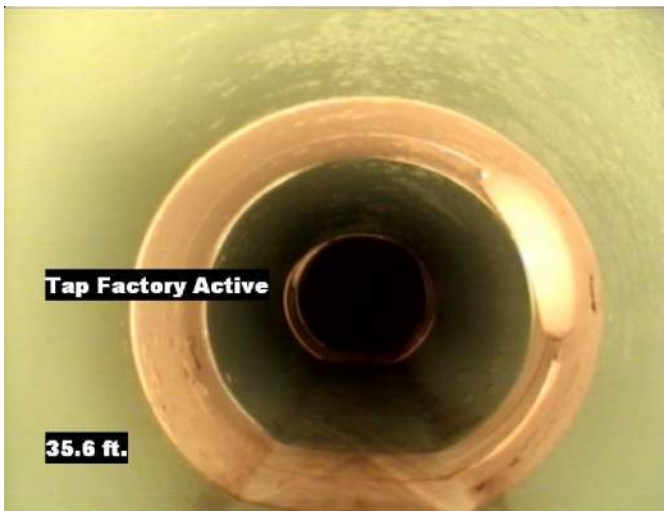
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
13	**MEAD**	**ALLEY**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-16			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-10	**402.4**		**8**	**8**		

Distance: 0.0 ft. **Grade:** 0
Condition: Manhole
Remarks: OTM-16

Distance: 0.0 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A



Distance: 35.6 ft. **Grade:** 0
Condition: Tap Factory Active
Remarks: N/A

Distance: 38.5 ft. **Grade:** 0
Condition: Tap Factory Active
Remarks: N/A

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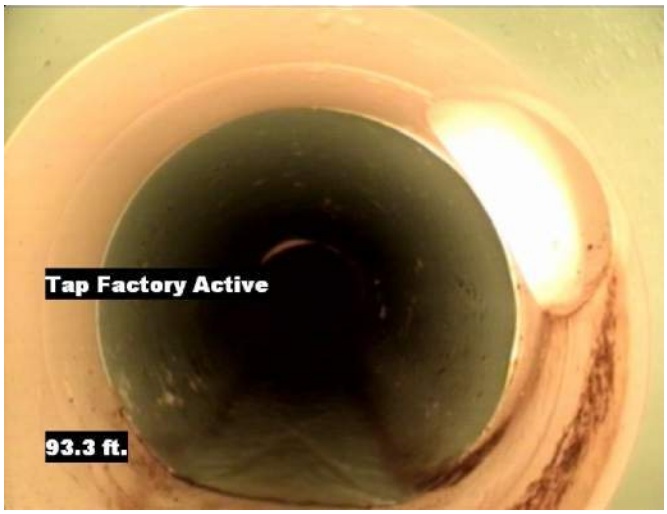
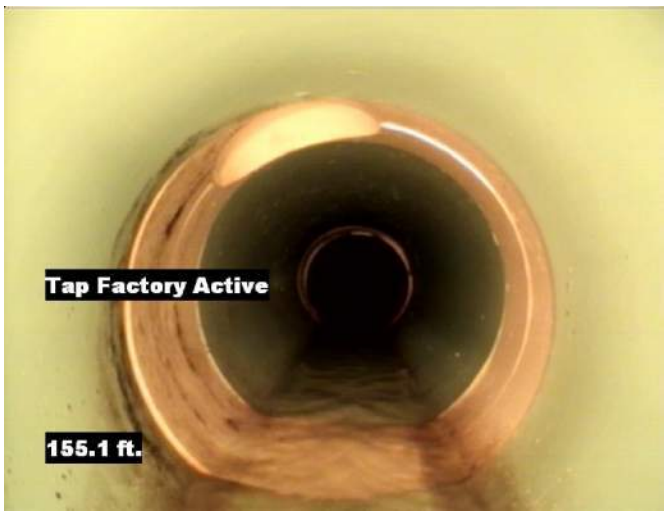
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
13	**MEAD**	**ALLEY**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-16			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-10	**402.4**		**8**	**8**		

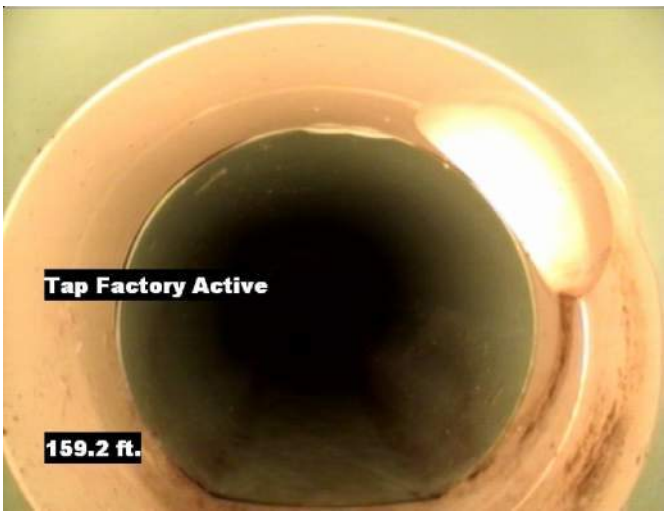


Distance: 93.3 ft. **Grade:** 0
Condition: Tap Factory Active
Remarks: N/A

Distance: 97.0 ft. **Grade:** 0
Condition: Tap Factory Active
Remarks: N/A



Distance: 155.1 ft. **Grade:** 0
Condition: Tap Factory Active
Remarks: N/A



Distance: 159.2 ft. **Grade:** 0
Condition: Tap Factory Active
Remarks: N/A

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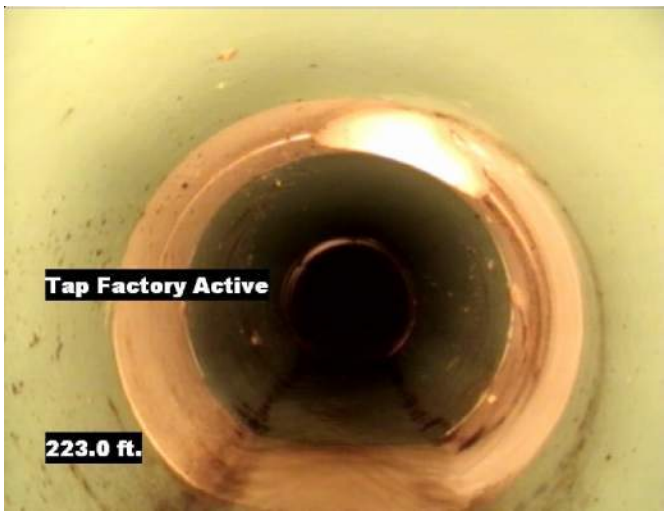
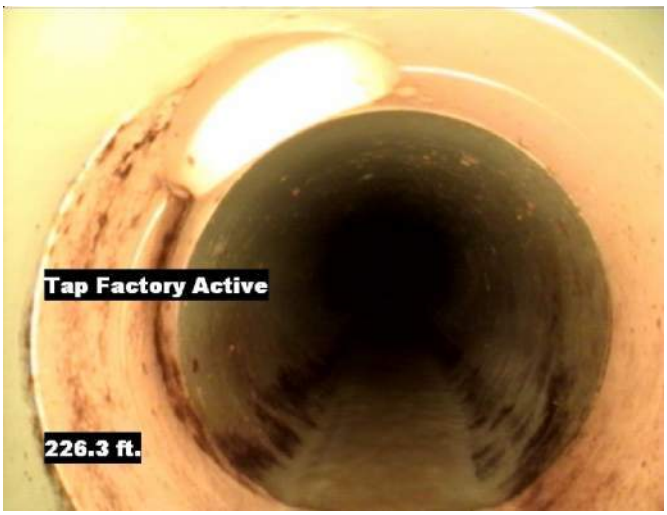
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
13	**MEAD**	**ALLEY**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-16			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-10	**402.4**		**8**	**8**		

Distance: 175.8 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A

Distance: 189.4 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A



Distance: 223.0 ft. **Grade:** 0
Condition: Tap Factory Active
Remarks: N/A



Distance: 226.3 ft. **Grade:** 0
Condition: Tap Factory Active
Remarks: N/A

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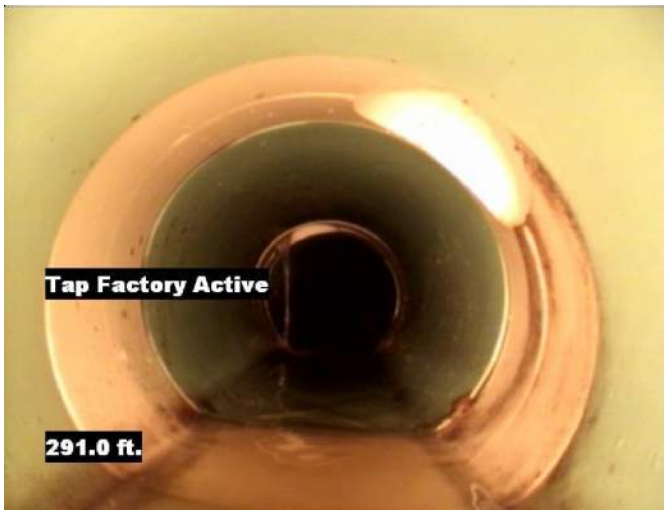
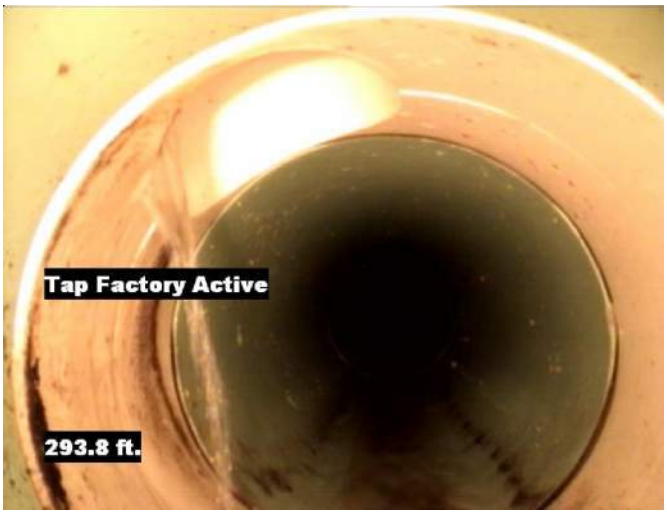
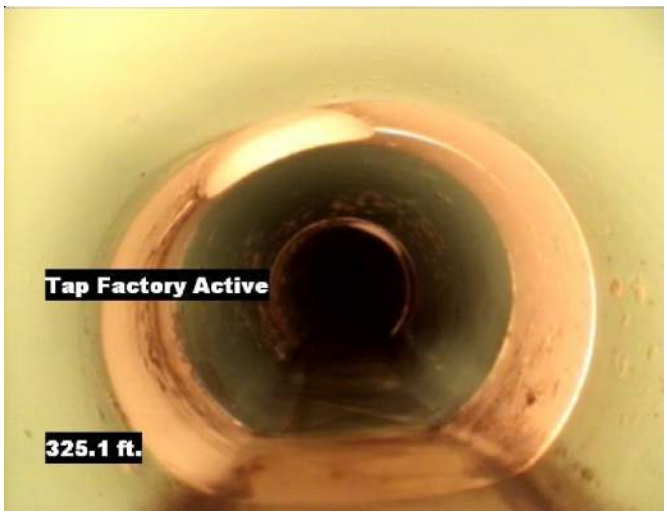
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
13	**MEAD**	**ALLEY**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-16			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-10	**402.4**		**8**	**8**		



Distance: 291.0 ft. **Grade:** 0
Condition: Tap Factory Active
Remarks: N/A



Distance: 293.8 ft. **Grade:** 0
Condition: Tap Factory Active
Remarks: N/A



Distance: 325.1 ft. **Grade:** 0
Condition: Tap Factory Active
Remarks: N/A

Distance: 327.9 ft. **Grade:** 0
Condition: Tap Factory Active
Remarks: N/A

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Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
13	**MEAD**	**ALLEY**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-16			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-10	**402.4**		**8**	**8**		

Distance: 402.4 ft. **Grade:** 0
Condition: Manhole
Remarks: OTM-10

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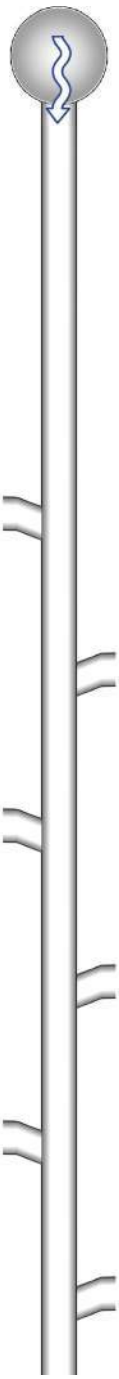
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
`12	**MEAD**	**ALLEY**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-17			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-16	**391.4**		**8**	**8**		

SPR **N/A**	MPR **N/A**	PO Number		Customer	
SPRI **N/A**	MPRI **N/A**	Work Order		Purpose	
QSR **N/A**	QMR **N/A**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
N/A	**Tom**	**Downstream**	**20150831**	**2015**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
N/A	**U-109-7985**	**Jetting**	**15:21**	**Dry**	
Date Cleaned			End Time	Additional Info	
			15:38		



0.0 ft. Manhole

0.0 ft. Water Level

33.7 ft. Tap Saddle Active

37.7 ft. Tap Saddle Active

95.4 ft. Tap Saddle Active

100.0 ft. Tap Saddle Active

160.9 ft. Tap Saddle Active

173.8 ft. Tap Saddle Active

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Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
`12	**MEAD**	**ALLEY**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-17			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-16	**391.4**		**8**	**8**		

SPR **N/A**	MPR **N/A**	PO Number		Customer	
SPRI **N/A**	MPRI **N/A**	Work Order		Purpose	
QSR **N/A**	QMR **N/A**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
N/A	**Tom**	**Downstream**	**20150831**	**2015**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
N/A	**U-109-7985**	**Jetting**	**15:21**	**Dry**	
Date Cleaned			End Time	Additional Info	
			15:38		

207.5 ft. Tap Saddle Active

225.5 ft. Tap Saddle Active

240.5 ft. Water Level

265.2 ft. Water Level

279.9 ft. Water Level

291.8 ft. Tap Saddle Capped

293.9 ft. Tap Saddle Active

296.3 ft. Tap Saddle Active

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Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
`12	**MEAD**	**ALLEY**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-17			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-16	**391.4**		**8**	**8**		

SPR	**N/A**	MPR	**N/A**	PO Number	Customer
SPRI	**N/A**	MPRI	**N/A**	Work Order	Purpose
QSR	**N/A**	QMR	**N/A**		**Routine Assessment**

OPR	Surveyed By	Direction	Date	Media label
N/A	**Tom**	**Downstream**	**20150831**	**2015**
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
N/A	**U-109-7985**	**Jetting**	**15:21**	**Dry**
Date Cleaned			End Time	Additional Info
			15:38	

297.2 ft. General Photo

TAP SMASHED OUTSIDE OF MAIN

346.7 ft. Water Level

353.6 ft. Tap Saddle Active

363.4 ft. Tap Saddle Capped

364.5 ft. General Photo

366.1 ft. Tap Saddle Active

391.4 ft. Manhole

OTM-16

OTM-16

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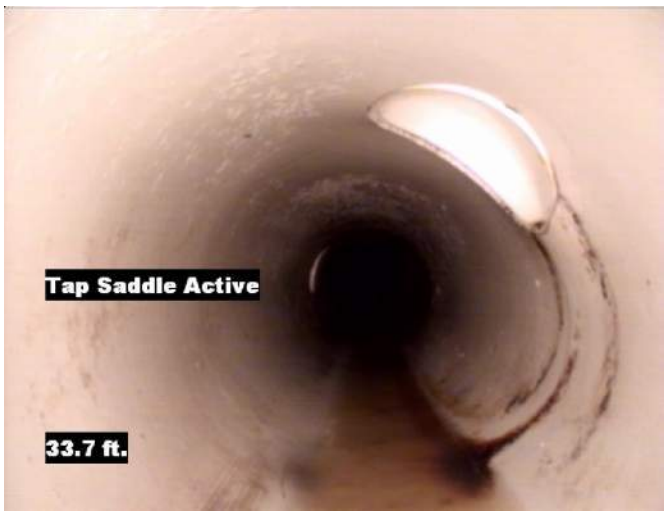
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
`12	**MEAD**	**ALLEY**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-17			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-16	**391.4**		**8**	**8**		

Distance: 0.0 ft. **Grade:** 0
Condition: Manhole
Remarks: OTM-17

Distance: 0.0 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A



Distance: 33.7 ft. **Grade:** 0
Condition: Tap Saddle Active
Remarks: N/A

Distance: 37.7 ft. **Grade:** 0
Condition: Tap Saddle Active
Remarks: N/A

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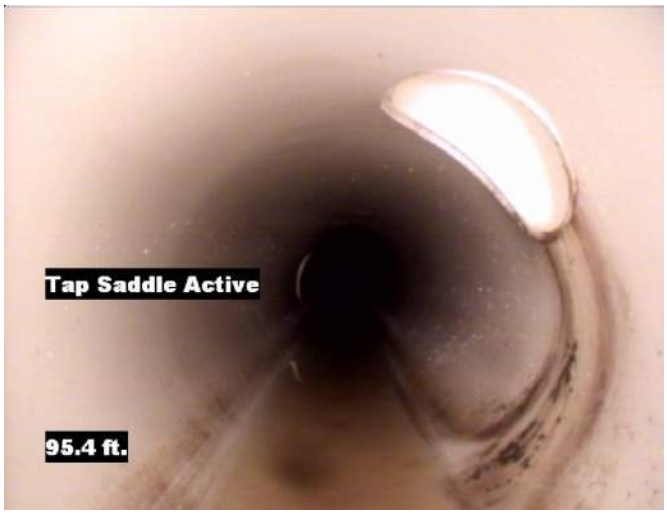
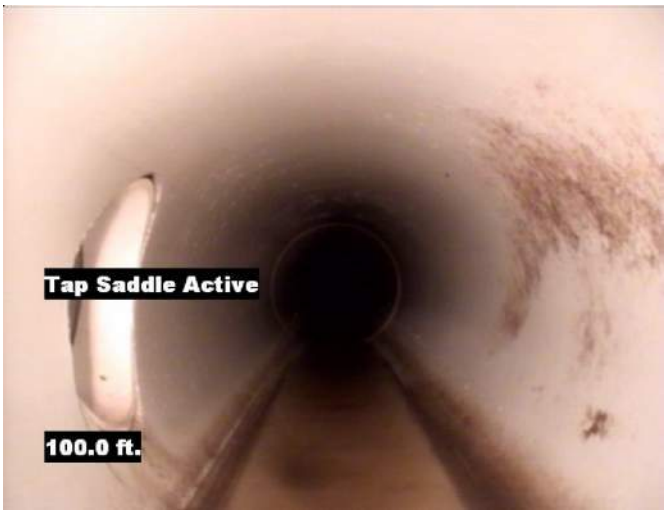
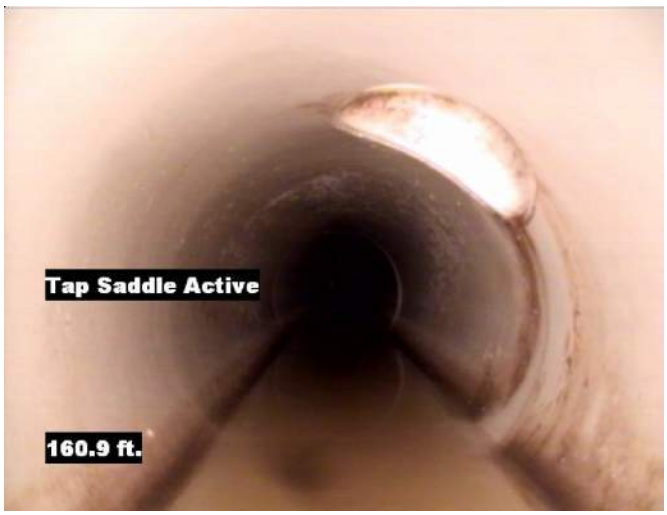
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
`12	**MEAD**	**ALLEY**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-17			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-16	**391.4**		**8**	**8**		



Distance: 95.4 ft. **Grade:** 0
Condition: Tap Saddle Active
Remarks: N/A



Distance: 100.0 ft. **Grade:** 0
Condition: Tap Saddle Active
Remarks: N/A



Distance: 160.9 ft. **Grade:** 0
Condition: Tap Saddle Active
Remarks: N/A

Distance: 173.8 ft. **Grade:** 0
Condition: Tap Saddle Active
Remarks: N/A

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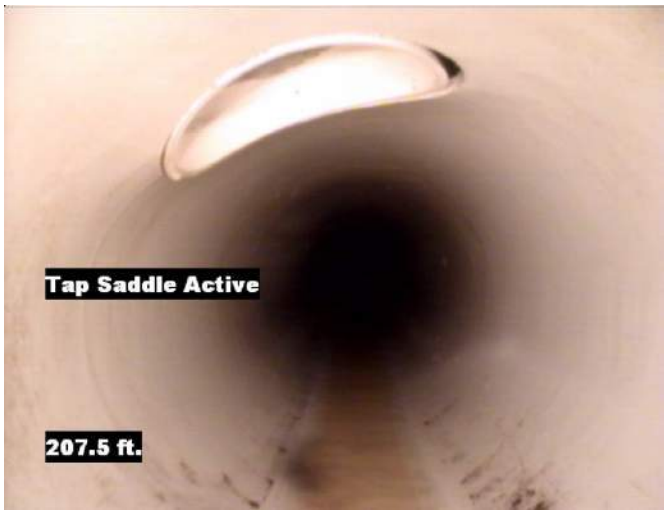
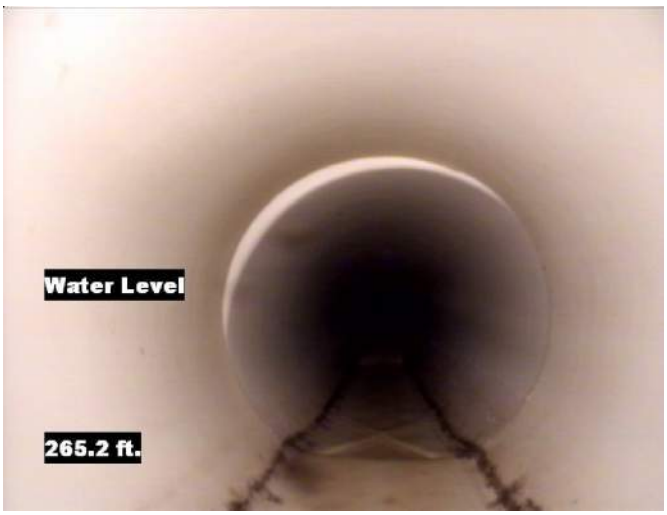
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
`12	**MEAD**	**ALLEY**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-17			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-16	**391.4**		**8**	**8**		



Distance: 207.5 ft. **Grade:** 0
Condition: Tap Saddle Active
Remarks: N/A

Distance: 225.5 ft. **Grade:** 0
Condition: Tap Saddle Active
Remarks: N/A

Distance: 240.5 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A



Distance: 265.2 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A

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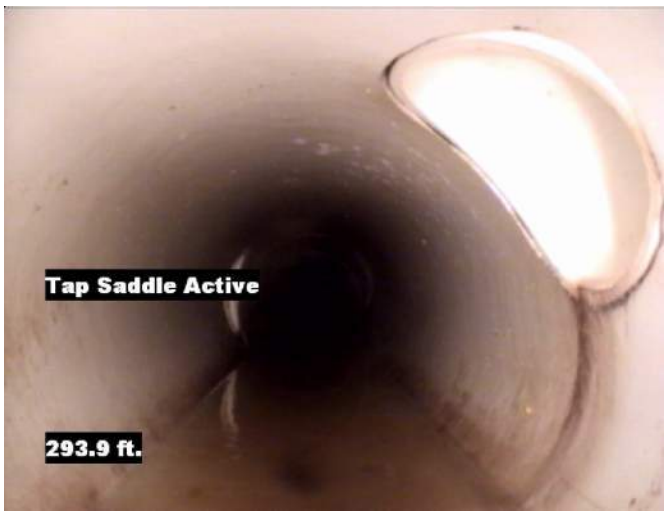
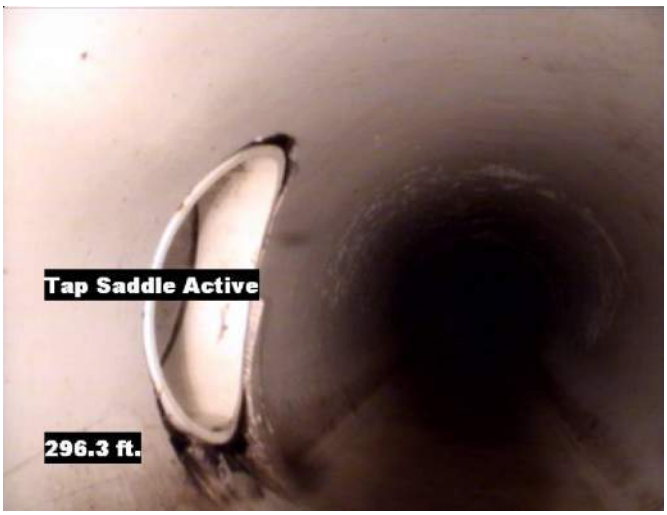
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
`12	**MEAD**	**ALLEY**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-17			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-16	**391.4**		**8**	**8**		

Distance: 279.9 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A

Distance: 291.8 ft. **Grade:** 0
Condition: Tap Saddle Capped
Remarks: N/A



Distance: 293.9 ft. **Grade:** 0
Condition: Tap Saddle Active
Remarks: N/A



Distance: 296.3 ft. **Grade:** 0
Condition: Tap Saddle Active
Remarks: N/A

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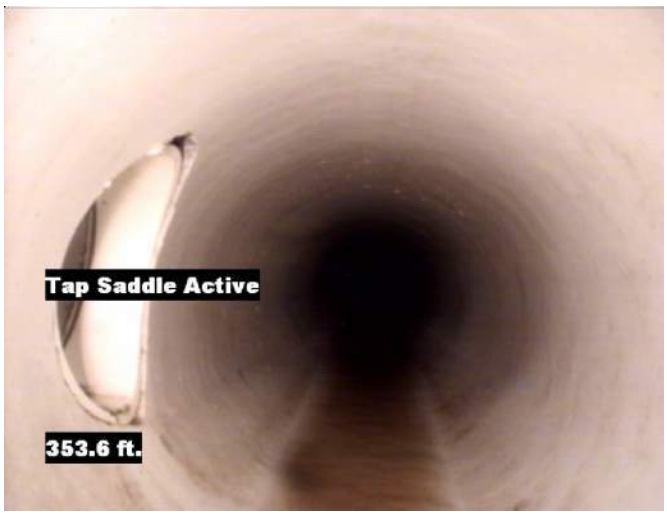
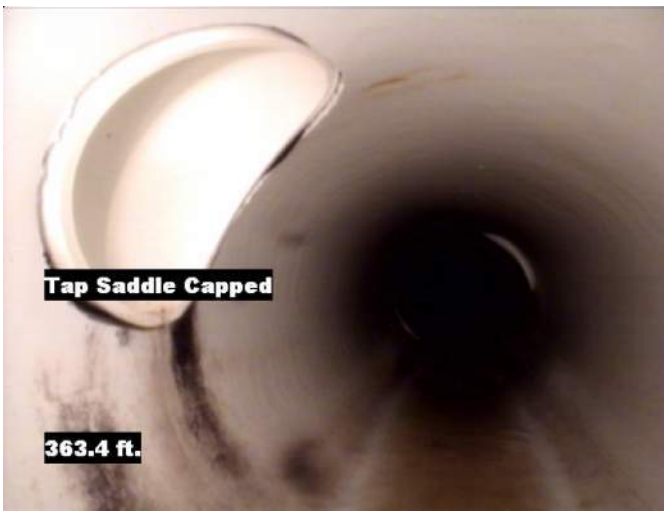
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
`12	**MEAD**	**ALLEY**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-17			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-16	**391.4**		**8**	**8**		

Distance: 297.2 ft. **Grade:** 0
Condition: General Photo
Remarks: TAP SMASHED OUTSIDE OF MAIN

Distance: 346.7 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A



Distance: 353.6 ft. **Grade:** 0
Condition: Tap Saddle Active
Remarks: N/A



Distance: 363.4 ft. **Grade:** 0
Condition: Tap Saddle Capped
Remarks: N/A

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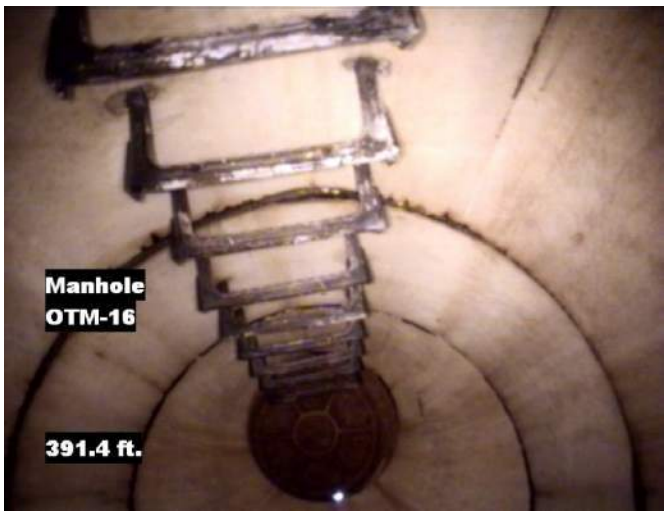
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
`12	**MEAD**	**ALLEY**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-17			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-16	**391.4**		**8**	**8**		

Distance: 364.5 ft. **Grade:** 0
Condition: General Photo
Remarks: N/A

Distance: 366.1 ft. **Grade:** 0
Condition: Tap Saddle Active
Remarks: N/A



Distance: 391.4 ft. **Grade:** 0
Condition: Manhole
Remarks: OTM-16

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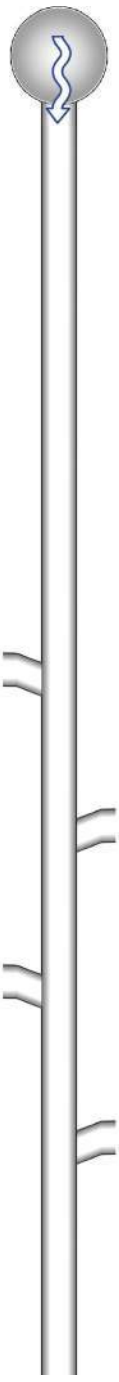
Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
10	**MEAD**	**ALLEY**	**Vitrified Clay Pipe**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-19			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-18	**63.2**		**8**	**8**		

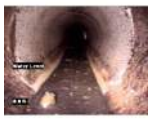
SPR **N/A**	MPR **2**	PO Number		Customer	
SPRI **N/A**	MPRI **2**	Work Order		Purpose	
QSR **N/A**	QMR **2100**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
2	**Tom**	**Downstream**	**20150831**	**2015**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
2	**U-109-7985**	**Jetting**	**14:38**	**Dry**	
Date Cleaned			End Time	Additional Info	
			14:42		



0.0 ft. Manhole

OTM-19

0.0 ft. Water Level



0.0 ft. Material Change

PVC

3.2 ft. Tap Saddle Active

4.1 ft. Tap Saddle Active

39.7 ft. Tap Saddle Active

62.8 ft. Tap Saddle Intruding

63.2 ft. Survey Abandoned

INTRUDING TAP

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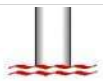
Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
10	**MEAD**	**ALLEY**	**Vitrified Clay Pipe**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-19			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-18	**63.2**		**8**	**8**		

SPR **N/A**	MPR **2**	PO Number		Customer	
SPRI **N/A**	MPRI **2**	Work Order		Purpose	
QSR **N/A**	QMR **2100**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date		Media label
2	**Tom**	**Downstream**	**20150831**		**2015**
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
2	**U-109-7985**	**Jetting**	**14:38**	**Dry**	
Date Cleaned			End Time	Additional Info	
			14:42		



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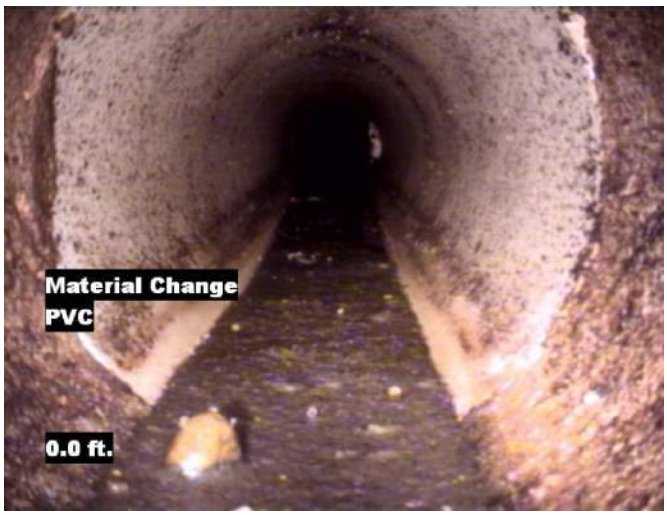
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
10	**MEAD**	**ALLEY**	**Vitrified Clay Pipe**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-19			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-18	**63.2**		**8**	**8**		

Distance: 0.0 ft. **Grade:** 0
Condition: Manhole
Remarks: OTM-19

Distance: 0.0 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A



Distance: 0.0 ft. **Grade:** 0
Condition: Material Change
Remarks: PVC

Distance: 3.2 ft. **Grade:** 0
Condition: Tap Saddle Active
Remarks: N/A

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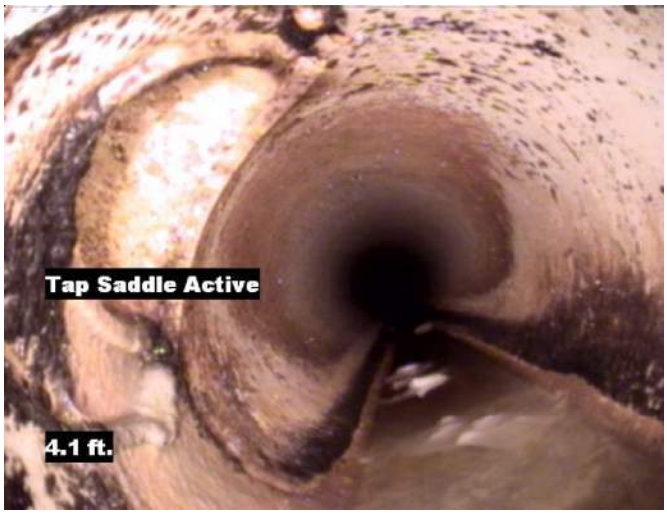
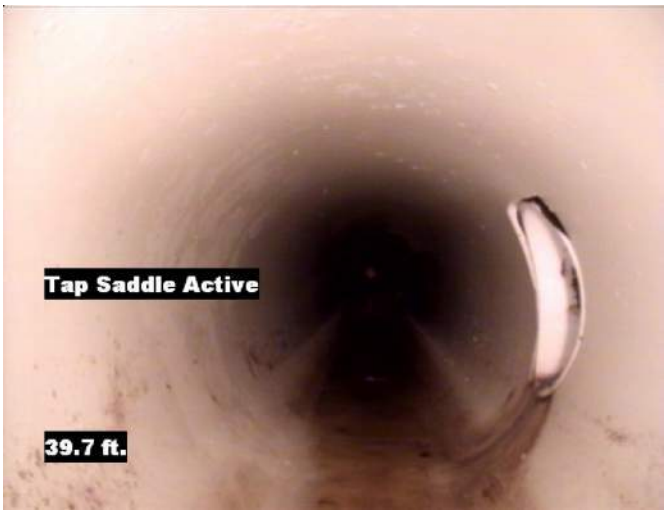
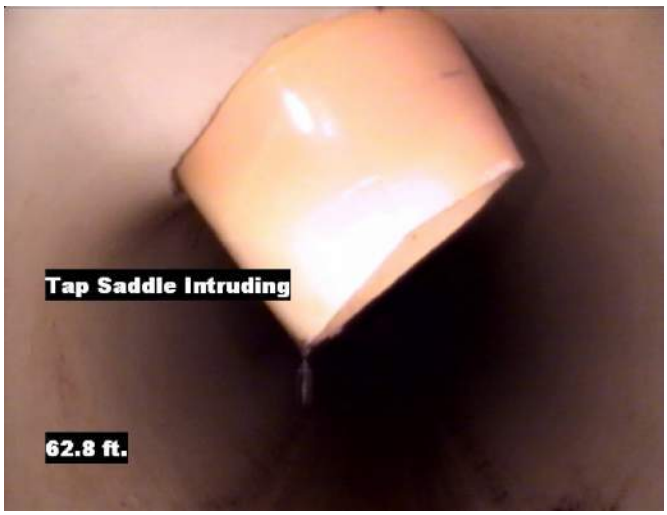
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
10	**MEAD**	**ALLEY**	**Vitrified Clay Pipe**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-19			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-18	**63.2**		**8**	**8**		



Distance: 4.1 ft. **Grade:** 0
Condition: Tap Saddle Active
Remarks: N/A



Distance: 39.7 ft. **Grade:** 0
Condition: Tap Saddle Active
Remarks: N/A



Distance: 62.8 ft. **Grade:** 2
Condition: Tap Saddle Intruding
Remarks: N/A

Distance: 63.2 ft. **Grade:** 0
Condition: Survey Abandoned
Remarks: INTRUDING TAP

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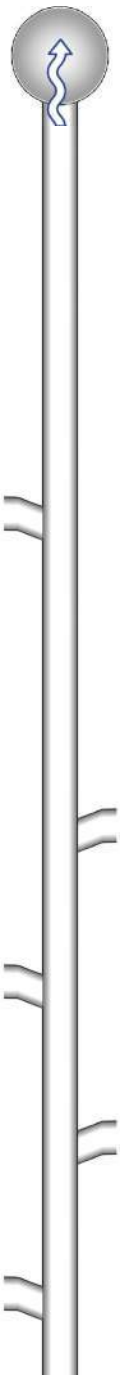
Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
10	**MEAD**	**ALLEY**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-19			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-18	**194.8**		**8**	**8**		

SPR **N/A**	MPR **5**	PO Number		Customer	
SPRI **N/A**	MPRI **1.7**	Work Order		Purpose	
QSR **N/A**	QMR **2211**			**Reversal**	
OPR	Surveyed By	Direction	Date	Media label	
5	**Tom**	**Upstream**	**20150831**	**2015**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
1.7	**U-109-7985**	**Jetting**	**14:51**	**Dry**	
Date Cleaned			End Time	Additional Info	
			15:00		



0.0 ft. Manhole

OTM-18

0.0 ft. Water Level

11.3 ft. Tap Saddle Active

12.1 ft. Roots Fine Connection

25.3 ft. Tap Saddle Active

65.0 ft. Tap Saddle Active

70.6 ft. Tap Saddle Active

117.9 ft. Tap Saddle Active

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Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
10	**MEAD**	**ALLEY**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-19			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-18	**194.8**		**8**	**8**		

SPR **N/A**	MPR **5**	PO Number		Customer	
SPRI **N/A**	MPRI **1.7**	Work Order		Purpose	
QSR **N/A**	QMR **2211**			**Reversal**	
OPR	Surveyed By	Direction	Date	Media label	
5	**Tom**	**Upstream**	**20150831**	**2015**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
1.7	**U-109-7985**	**Jetting**	**14:51**	**Dry**	
Date Cleaned			End Time	Additional Info	
			15:00		

126.3 ft. Tap Saddle Active

179.5 ft. Tap Saddle Intruding

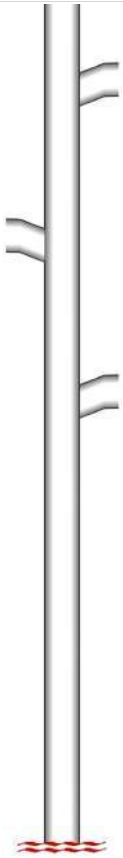
194.8 ft. Tap Saddle Intruding

194.8 ft. Survey Abandoned

INTRUDING TAP

194.8 ft. General Photo

ZOOMED IN TO OTHER INTRUDING TAP



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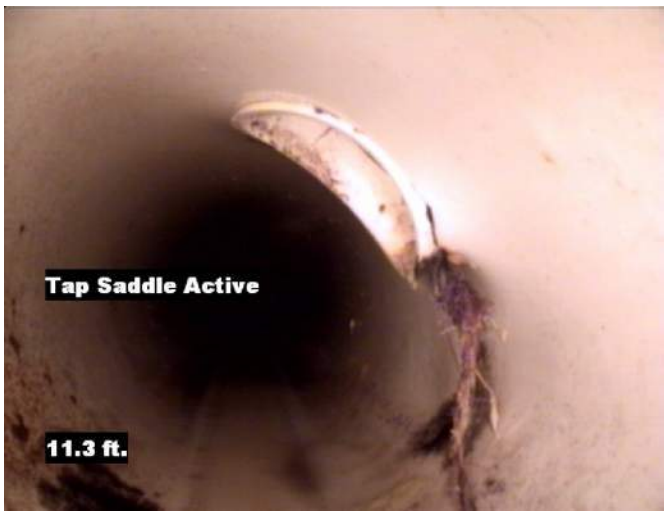
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
10	**MEAD**	**ALLEY**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-19			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-18	**194.8**		**8**	**8**		

Distance: 0.0 ft. **Grade:** 0
Condition: Manhole
Remarks: OTM-18

Distance: 0.0 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A



Distance: 11.3 ft. **Grade:** 0
Condition: Tap Saddle Active
Remarks: N/A

Distance: 12.1 ft. **Grade:** 1
Condition: Roots Fine Connection
Remarks: N/A

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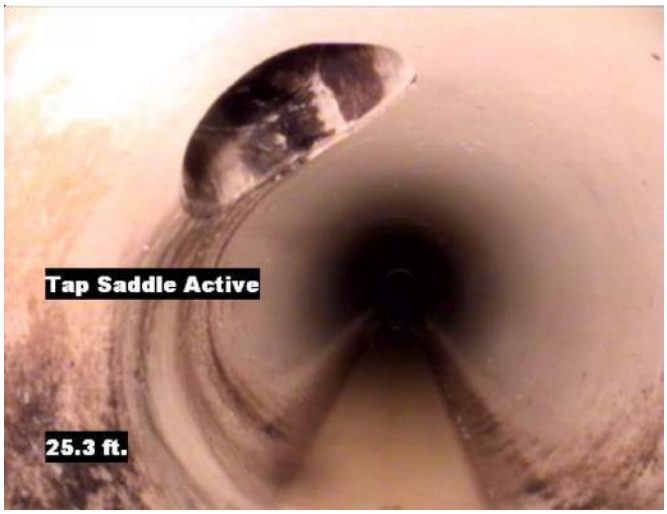
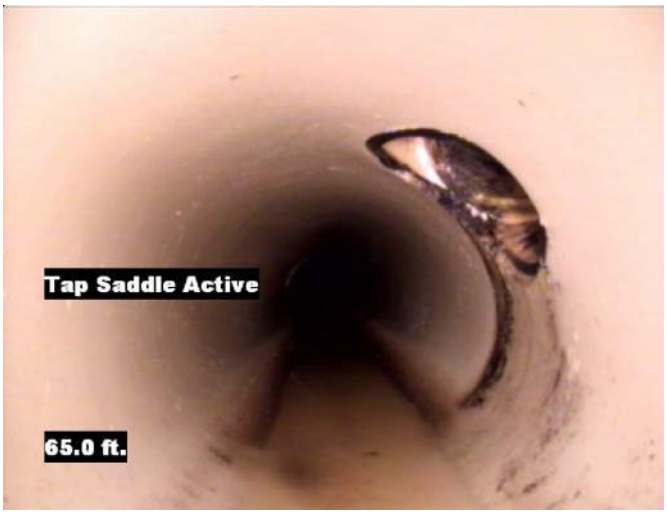
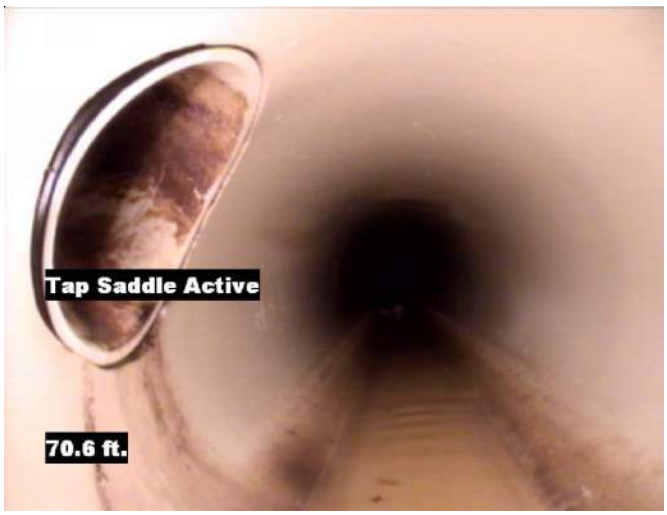
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
10	**MEAD**	**ALLEY**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-19			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-18	**194.8**		**8**	**8**		



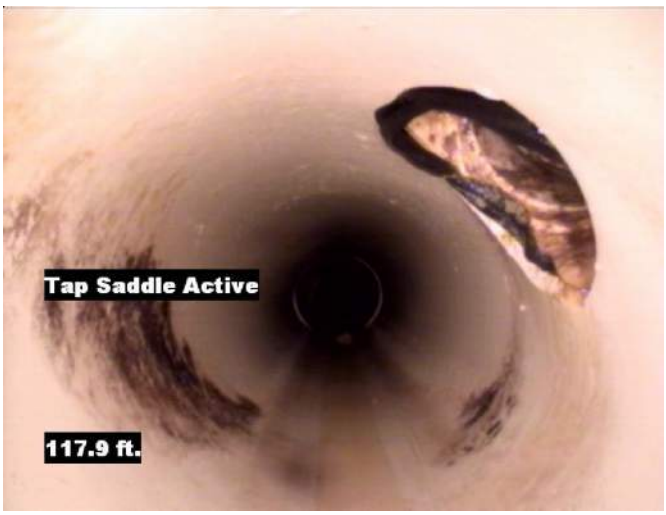
Distance: 25.3 ft. **Grade:** 0
Condition: Tap Saddle Active
Remarks: N/A



Distance: 65.0 ft. **Grade:** 0
Condition: Tap Saddle Active
Remarks: N/A



Distance: 70.6 ft. **Grade:** 0
Condition: Tap Saddle Active
Remarks: N/A



Distance: 117.9 ft. **Grade:** 0
Condition: Tap Saddle Active
Remarks: N/A

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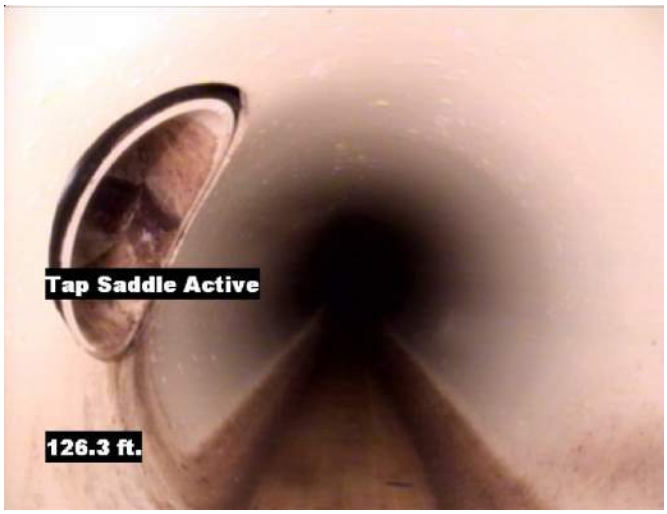
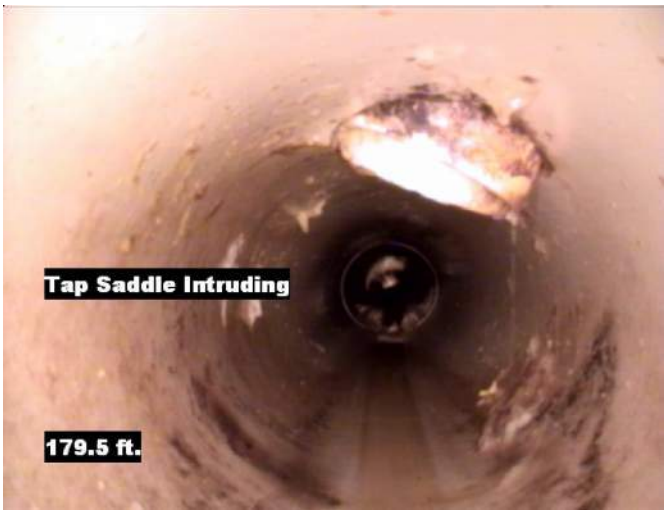
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
10	**MEAD**	**ALLEY**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-19			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-18	**194.8**		**8**	**8**		



Distance: 126.3 ft. **Grade:** 0
Condition: Tap Saddle Active
Remarks: N/A



Distance: 179.5 ft. **Grade:** 2
Condition: Tap Saddle Intruding
Remarks: N/A

Distance: 194.8 ft. **Grade:** 2
Condition: Tap Saddle Intruding
Remarks: N/A

Distance: 194.8 ft. **Grade:** 0
Condition: Survey Abandoned
Remarks: INTRUDING TAP

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Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
10	**MEAD**	**ALLEY**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-19			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-18	**194.8**		**8**	**8**		

Distance: 194.8 ft. **Grade:** 0
Condition: General Photo
Remarks: ZOOMED IN TO OTHER INTRUDING TAP

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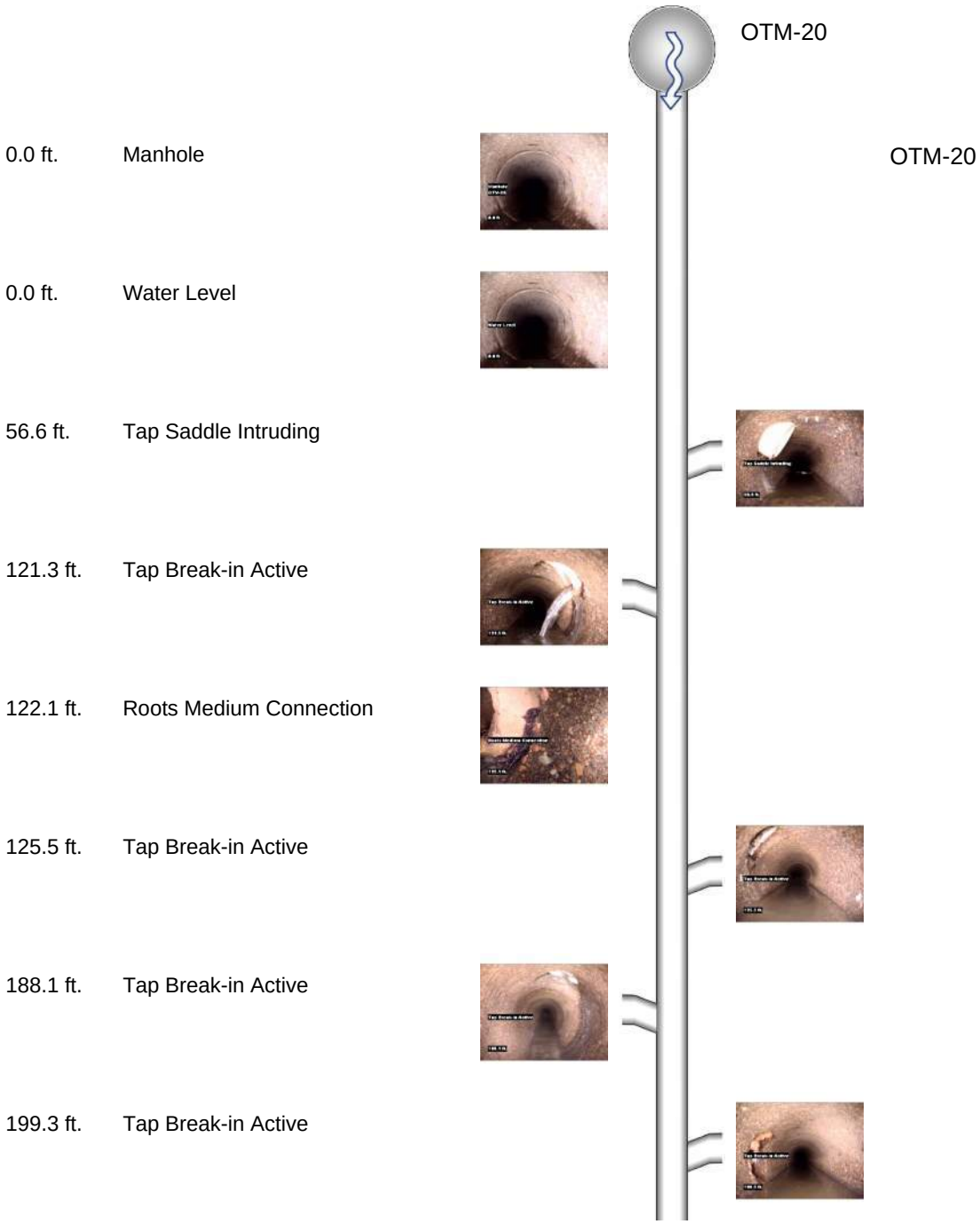
Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
15	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-20			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-7	**391.2**		**8**	**8**		

SPR **3**	MPR **5**	PO Number		Customer	
SPRI **3**	MPRI **2.5**	Work Order		Purpose	
QSR **3100**	QMR **3121**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
8	**Tom**	**Downstream**	**20150901**	**2015**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
2.7	**U-109-7985**	**Jetting**	**08:30**	**Dry**	
Date Cleaned			End Time	Additional Info	
			08:45		



0.0 ft. Manhole

0.0 ft. Water Level

56.6 ft. Tap Saddle Intruding

121.3 ft. Tap Break-in Active

122.1 ft. Roots Medium Connection

125.5 ft. Tap Break-in Active

188.1 ft. Tap Break-in Active

199.3 ft. Tap Break-in Active

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Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
15	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-20			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-7	**391.2**		**8**	**8**		

SPR	**3**	MPR	**5**	PO Number	Customer
SPRI	**3**	MPRI	**2.5**	Work Order	Purpose
QSR	**3100**	QMR	**3121**		**Routine Assessment**

OPR	Surveyed By	Direction	Date	Media label
8	**Tom**	**Downstream**	**20150901**	**2015**
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
2.7	**U-109-7985**	**Jetting**	**08:30**	**Dry**
Date Cleaned			End Time	Additional Info
			08:45	

244.6 ft. Tap Saddle Active

285.6 ft. Tap Break-in Active

301.6 ft. Surface Aggregate Projecting Unknown

302.5 ft. Tap Saddle Active

302.5 ft. Water Level

315.8 ft. Tap Saddle Active

369.4 ft. Material Change — PVC

391.2 ft. Manhole — OTM-7 DROP

OTM-7

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Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
15	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-20			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-7	**391.2**		**8**	**8**		

Distance: 0.0 ft. **Grade:** 0
Condition: Manhole
Remarks: OTM-20

Distance: 0.0 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A

Distance: 56.6 ft. **Grade:** 2
Condition: Tap Saddle Intruding
Remarks: N/A

Distance: 121.3 ft. **Grade:** 0
Condition: Tap Break-in Active
Remarks: N/A

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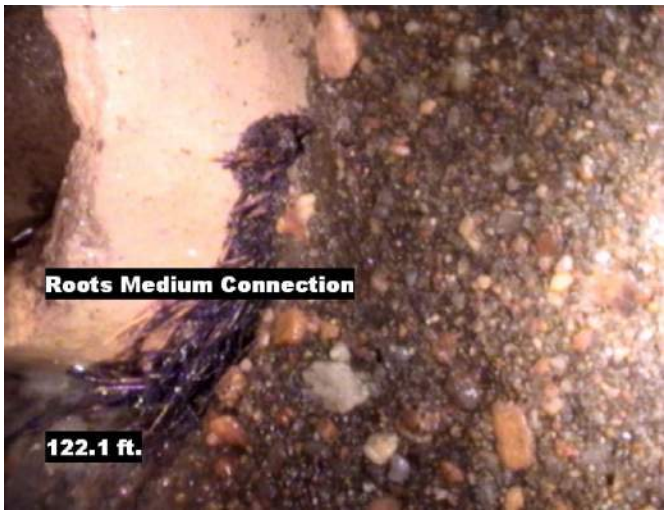
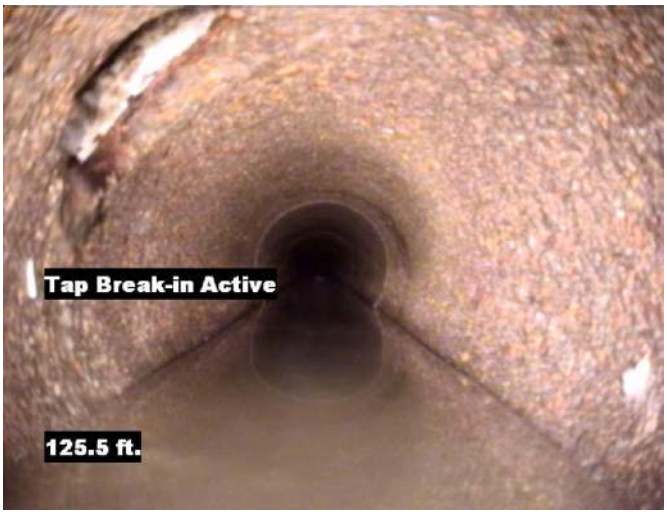
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
15	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-20			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-7	**391.2**		**8**	**8**		



Distance: 122.1 ft. **Grade:** 3
Condition: Roots Medium Connection
Remarks: N/A



Distance: 125.5 ft. **Grade:** 0
Condition: Tap Break-in Active
Remarks: N/A

Distance: 188.1 ft. **Grade:** 0
Condition: Tap Break-in Active
Remarks: N/A

Distance: 199.3 ft. **Grade:** 0
Condition: Tap Break-in Active
Remarks: N/A

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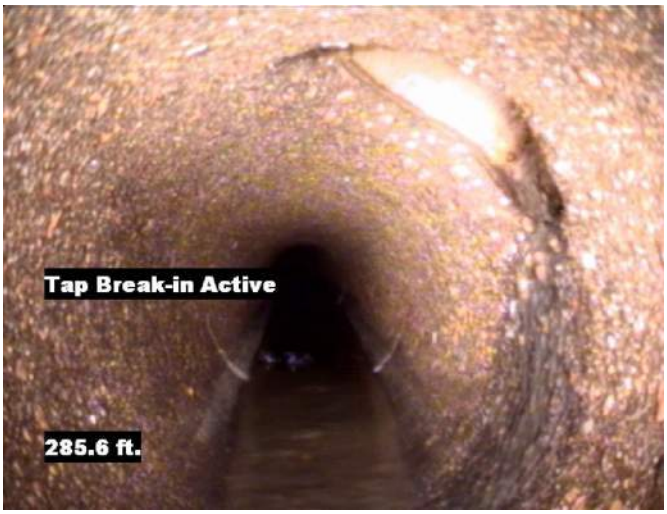
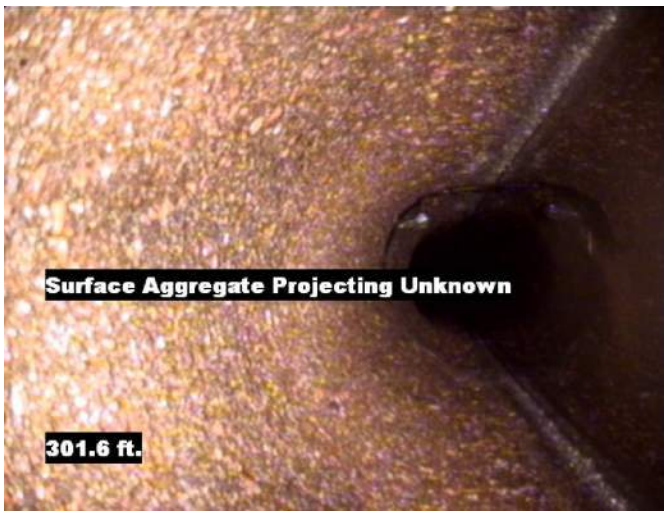
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
15	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-20			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-7	**391.2**		**8**	**8**		

Distance: 244.6 ft. **Grade:** 0
Condition: Tap Saddle Active
Remarks: N/A



Distance: 285.6 ft. **Grade:** 0
Condition: Tap Break-in Active
Remarks: N/A



Distance: 301.6 ft. **Grade:** 3
Condition: Surface Aggregate Projecting Unknown
Remarks: N/A

Distance: 302.5 ft. **Grade:** 0
Condition: Tap Saddle Active
Remarks: N/A

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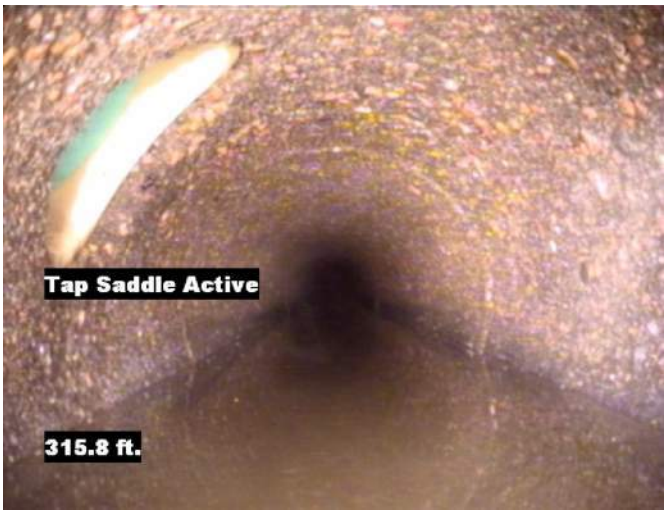
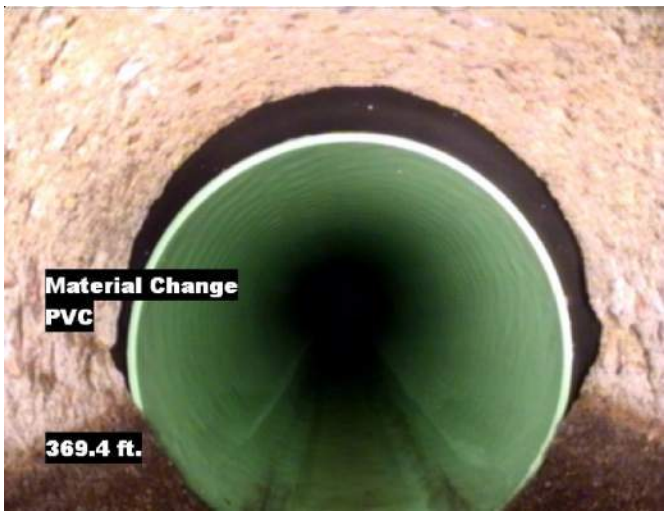
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
15	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-20			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-7	**391.2**		**8**	**8**		

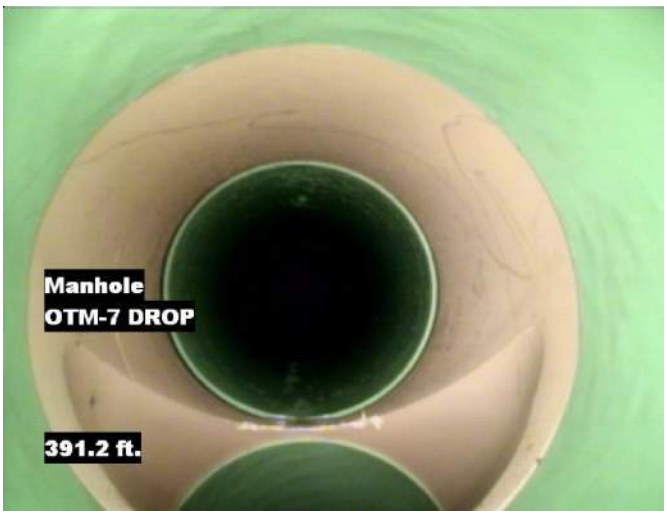
Distance: 302.5 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A



Distance: 315.8 ft. **Grade:** 0
Condition: Tap Saddle Active
Remarks: N/A



Distance: 369.4 ft. **Grade:** 0
Condition: Material Change
Remarks: PVC



Distance: 391.2 ft. **Grade:** 0
Condition: Manhole
Remarks: OTM-7 DROP

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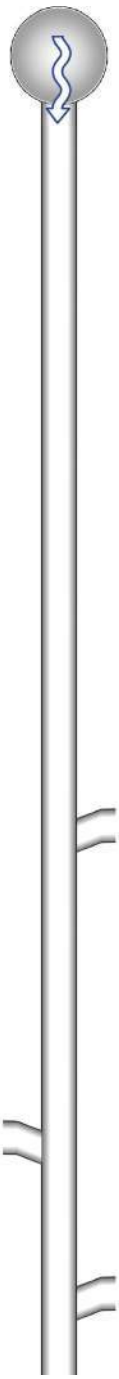
Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
23	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-26			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-6	**412.4**		**8**	**8**		

SPR	**7**	MPR	**11**	PO Number	Customer
SPRI	**3.5**	MPRI	**2.8**		
QSR	**5121**	QMR	**3321**	Work Order	Purpose **Routine Assessment**

OPR	Surveyed By	Direction	Date	Media label
18	**Tom**	**Downstream**	**20150901**	**2015**
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
3	**U-109-7985**	**Jetting**	**11:24**	**Dry**
Date Cleaned			End Time	Additional Info
			11:54	



0.0 ft. Manhole

0.0 ft. Water Level

24.2 ft. Water Level

37.0 ft. Water Level

47.8 ft. Tap Break-in Intruding

48.9 ft. Water Level

72.9 ft. Tap Saddle Active

113.1 ft. Tap Break-in Active

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Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
23	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-26			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-6	**412.4**		**8**	**8**		

SPR	**7**	MPR	**11**	PO Number	Customer
SPRI	**3.5**	MPRI	**2.8**		
QSR	**5121**	QMR	**3321**	Work Order	Purpose **Routine Assessment**

OPR	Surveyed By	Direction	Date	Media label
18	**Tom**	**Downstream**	**20150901**	**2015**
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
3	**U-109-7985**	**Jetting**	**11:24**	**Dry**
Date Cleaned			End Time	Additional Info
			11:54	

169.9 ft. Tap Break-in Active

170.0 ft. Roots Medium Lateral

170.0 ft. General Photo

207.3 ft. Tap Break-in Active

229.6 ft. Tap Break-in Active

230.6 ft. Roots Medium Lateral

255.9 ft. Tap Break-in Active

256.0 ft. Roots Medium Connection

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Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
23	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-26			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-6	**412.4**		**8**	**8**		

SPR	**7**	MPR	**11**	PO Number	Customer
SPRI	**3.5**	MPRI	**2.8**		
QSR	**5121**	QMR	**3321**	Work Order	Purpose
					Routine Assessment

OPR	Surveyed By	Direction	Date	Media label
18	**Tom**	**Downstream**	**20150901**	**2015**
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
3	**U-109-7985**	**Jetting**	**11:24**	**Dry**
Date Cleaned			End Time	Additional Info
			11:54	

266.0 ft. Tap Break-in Active

288.7 ft. Tap Break-in Active

342.3 ft. Tap Break-in Active

385.1 ft. Broken Pipe Void Visible

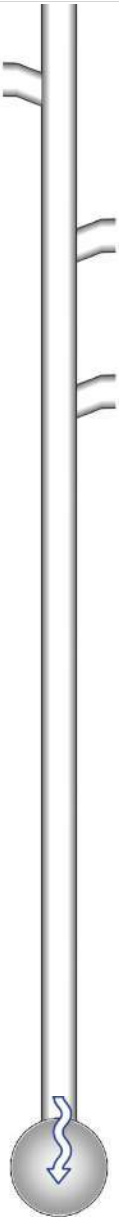
389.5 ft. Joint Offset Large

389.8 ft. Material Change

PVC

412.4 ft. Manhole

OTM-6 DROP



OTM-6

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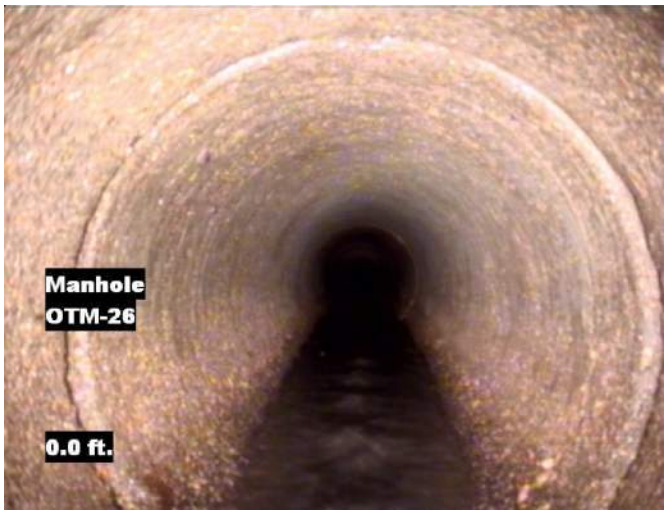
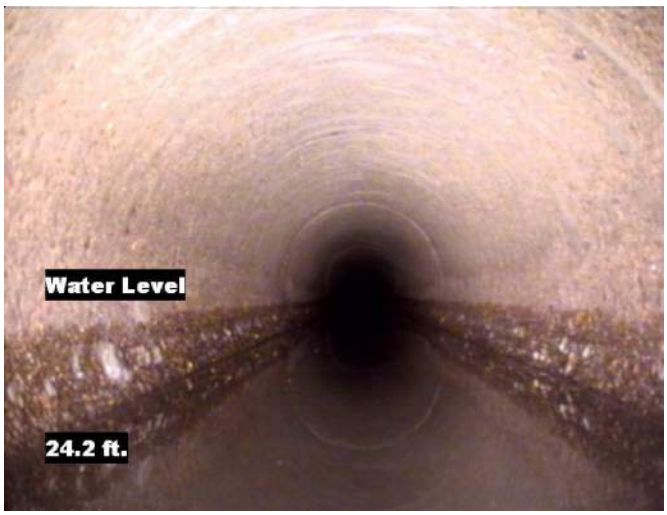
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
23	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-26			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-6	**412.4**		**8**	**8**		



Distance: 0.0 ft. **Grade:** 0
Condition: Manhole
Remarks: OTM-26

Distance: 0.0 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A



Distance: 24.2 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A

Distance: 37.0 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A

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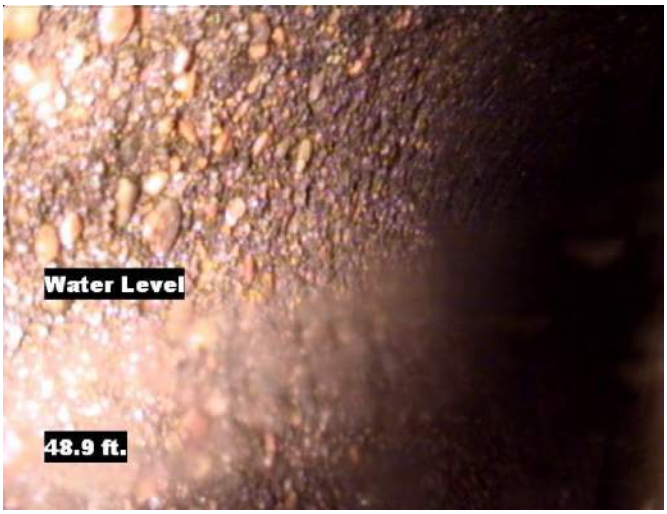
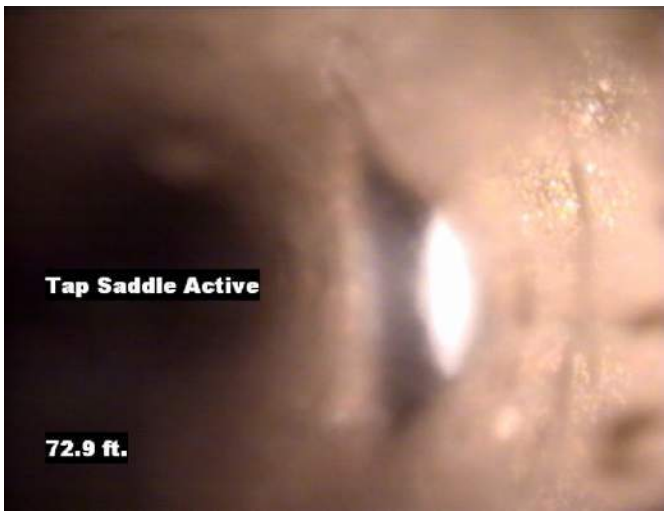
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
23	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-26			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-6	**412.4**		**8**	**8**		

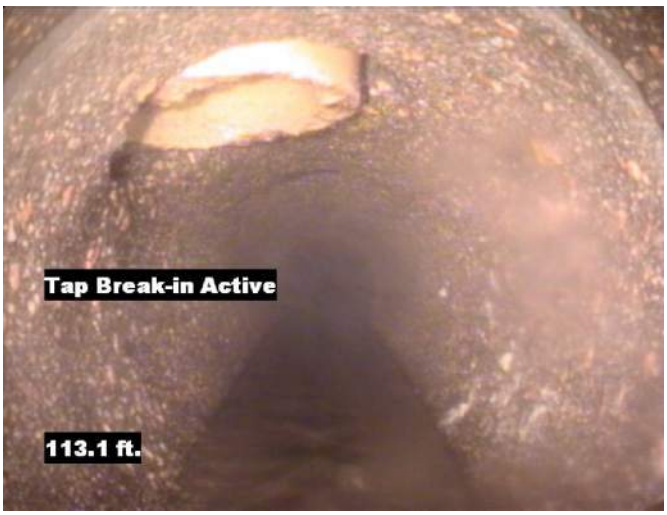
Distance: 47.8 ft. **Grade:** 2
Condition: Tap Break-in Intruding
Remarks: N/A



Distance: 48.9 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A



Distance: 72.9 ft. **Grade:** 0
Condition: Tap Saddle Active
Remarks: N/A



Distance: 113.1 ft. **Grade:** 0
Condition: Tap Break-in Active
Remarks: N/A

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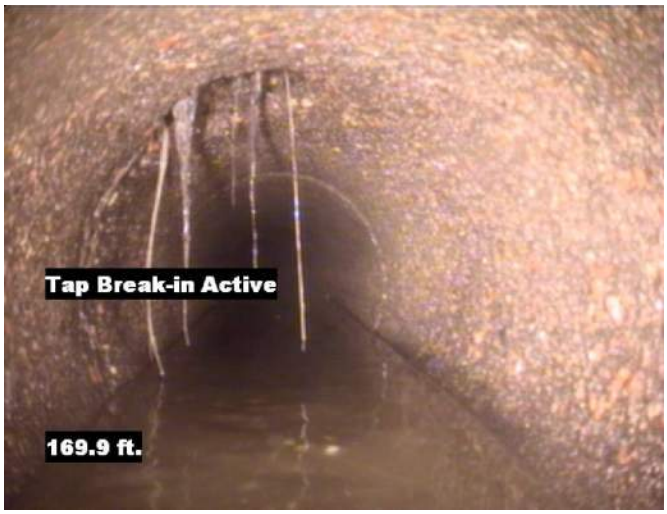
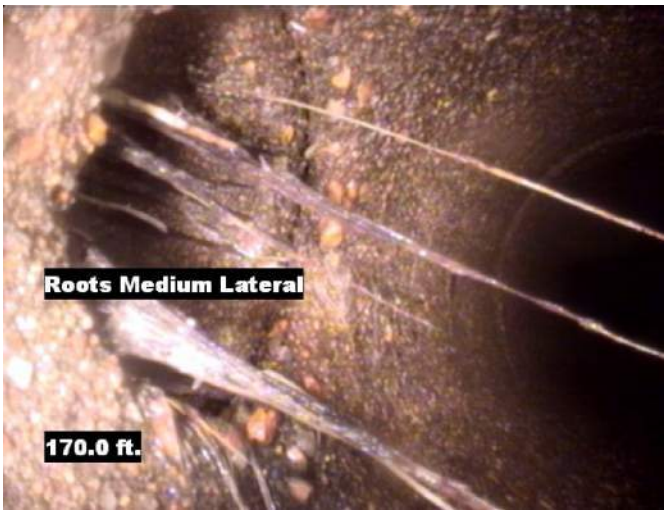
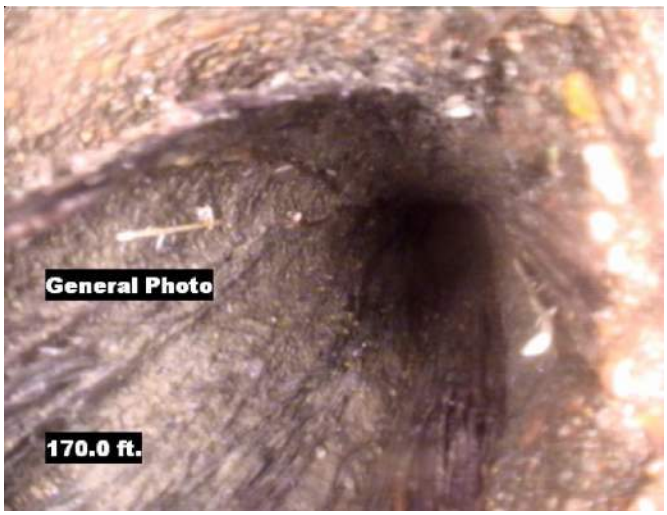
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
23	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-26			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-6	**412.4**		**8**	**8**		



Distance: 169.9 ft. **Grade:** 0
Condition: Tap Break-in Active
Remarks: N/A



Distance: 170.0 ft. **Grade:** 3
Condition: Roots Medium Lateral
Remarks: N/A



Distance: 170.0 ft. **Grade:** 0
Condition: General Photo
Remarks: N/A

Distance: 207.3 ft. **Grade:** 0
Condition: Tap Break-in Active
Remarks: N/A

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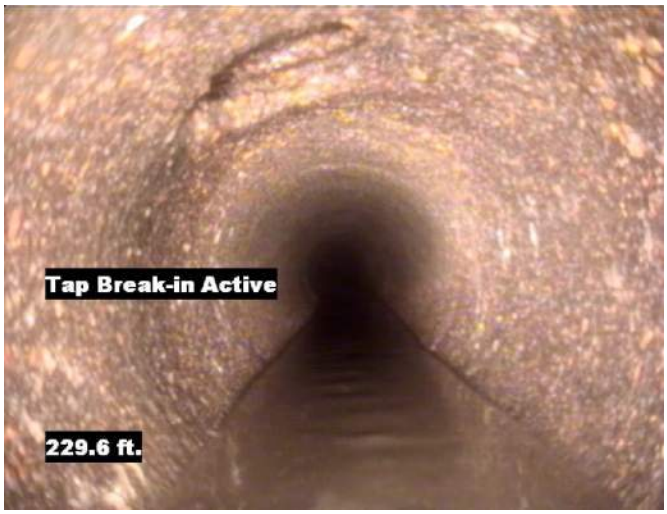
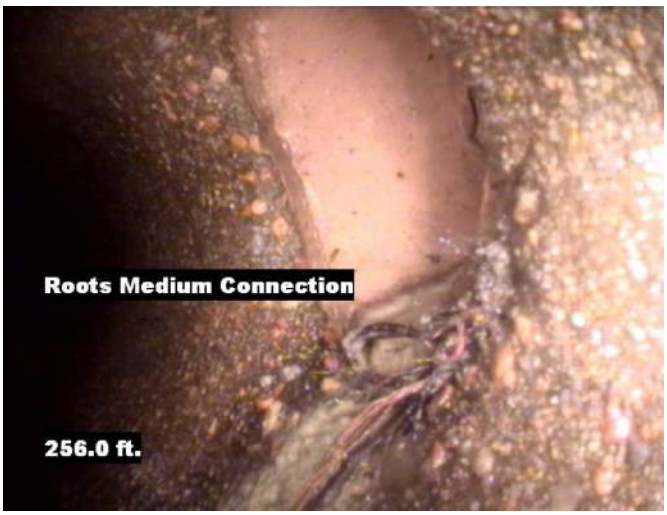
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
23	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-26			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-6	**412.4**		**8**	**8**		



Distance: 229.6 ft. **Grade:** 0
Condition: Tap Break-in Active
Remarks: N/A

Distance: 230.6 ft. **Grade:** 3
Condition: Roots Medium Lateral
Remarks: N/A

Distance: 255.9 ft. **Grade:** 0
Condition: Tap Break-in Active
Remarks: N/A



Distance: 256.0 ft. **Grade:** 3
Condition: Roots Medium Connection
Remarks: N/A

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Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
23	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-26			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-6	**412.4**		**8**	**8**		

Distance: 266.0 ft. **Grade:** 0
Condition: Tap Break-in Active
Remarks: N/A

Distance: 288.7 ft. **Grade:** 0
Condition: Tap Break-in Active
Remarks: N/A

Distance: 342.3 ft. **Grade:** 0
Condition: Tap Break-in Active
Remarks: N/A

Distance: 385.1 ft. **Grade:** 5
Condition: Broken Pipe Void Visible
Remarks: N/A

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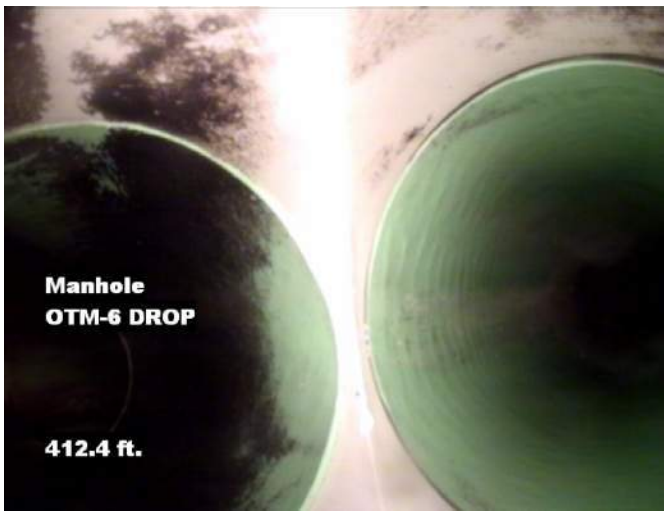
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
23	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-26			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-6	**412.4**		**8**	**8**		

Distance: 389.5 ft. **Grade:** 2
Condition: Joint Offset Large
Remarks: N/A

Distance: 389.8 ft. **Grade:** 0
Condition: Material Change
Remarks: PVC



Distance: 412.4 ft. **Grade:** 0
Condition: Manhole
Remarks: OTM-6 DROP

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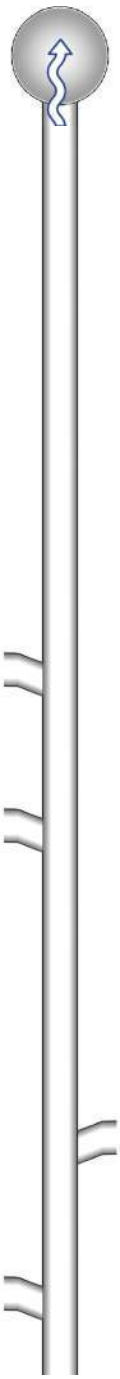
Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
22	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-25			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-26	**380.6**		**8**	**8**		

SPR **5**	MPR **3**	PO Number		Customer	
SPRI **5**	MPRI **3**	Work Order		Purpose	
QSR **5100**	QMR **3100**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date		Media label
8	**Tom**	**Upstream**	**20150901**		**2015**
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
4	**U-109-7985**	**Jetting**	**11:06**	**Dry**	
	Date Cleaned		End Time	Additional Info	
			11:21		



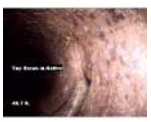
0.0 ft. Manhole

OTM-26

0.0 ft. Water Level

45.7 ft. Broken Pipe Void Visible

46.7 ft. Tap Break-in Active



129.5 ft. Tap Break-in Active

130.0 ft. Roots Medium Connection

151.3 ft. Tap Saddle Active

179.2 ft. Tap Break-in Active

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Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
22	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-25			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-26	**380.6**		**8**	**8**		

SPR **5**	MPR **3**	PO Number		Customer	
SPRI **5**	MPRI **3**	Work Order		Purpose	
QSR **5100**	QMR **3100**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
8	**Tom**	**Upstream**	**20150901**	**2015**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
4	**U-109-7985**	**Jetting**	**11:06**	**Dry**	
Date Cleaned			End Time	Additional Info	
			11:21		

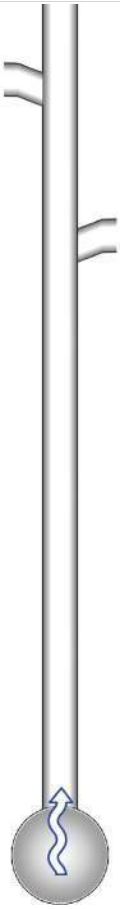
247.7 ft. Tap Break-in Active

264.7 ft. Tap Break-in Active

290.8 ft. Water Level

305.2 ft. Water Level

380.6 ft. Manhole



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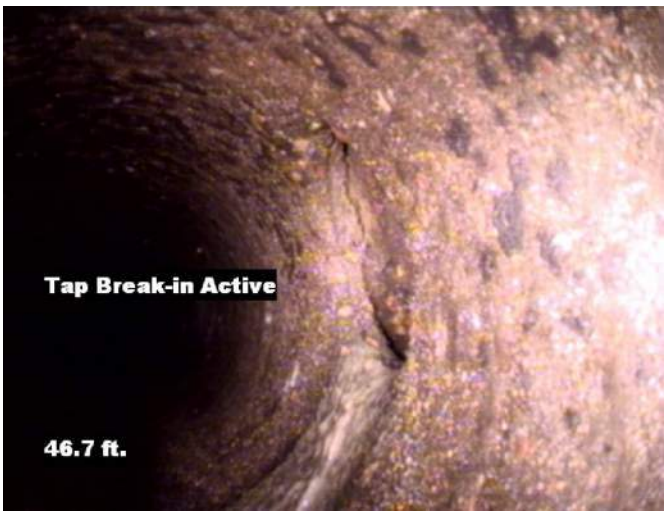
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
22	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-25			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-26	**380.6**		**8**	**8**		

Distance: 0.0 ft. **Grade:** 0
Condition: Manhole
Remarks: OTM-26

Distance: 0.0 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A

Distance: 45.7 ft. **Grade:** 5
Condition: Broken Pipe Void Visible
Remarks: N/A



Distance: 46.7 ft. **Grade:** 0
Condition: Tap Break-in Active
Remarks: N/A

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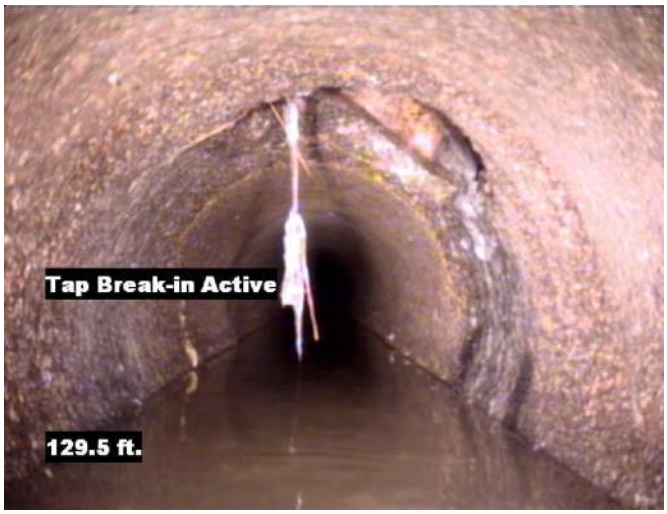
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
22	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-25			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-26	**380.6**		**8**	**8**		



Distance: 129.5 ft. **Grade:** 0
Condition: Tap Break-in Active
Remarks: N/A

Distance: 130.0 ft. **Grade:** 3
Condition: Roots Medium Connection
Remarks: N/A

Distance: 151.3 ft. **Grade:** 0
Condition: Tap Saddle Active
Remarks: N/A

Distance: 179.2 ft. **Grade:** 0
Condition: Tap Break-in Active
Remarks: N/A

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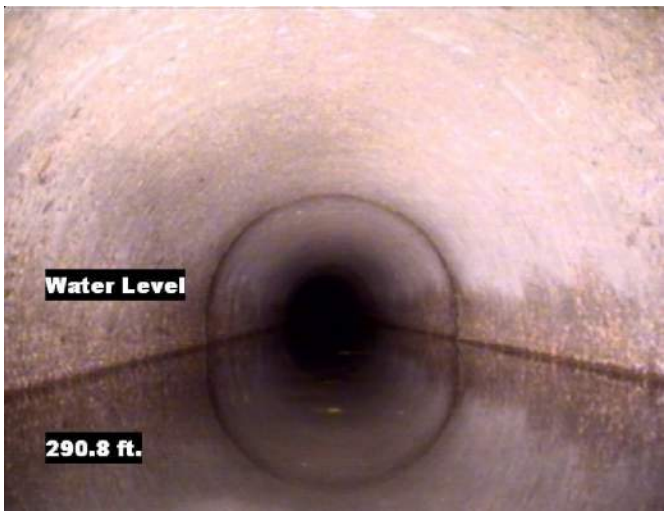
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
22	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-25			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-26	**380.6**		**8**	**8**		

Distance: 247.7 ft. **Grade:** 0
Condition: Tap Break-in Active
Remarks: N/A

Distance: 264.7 ft. **Grade:** 0
Condition: Tap Break-in Active
Remarks: N/A



Distance: 290.8 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A

Distance: 305.2 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A

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Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
22	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-25			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-26	**380.6**		**8**	**8**		

Distance: 380.6 ft. **Grade:** 0
Condition: Manhole
Remarks: OTM-25

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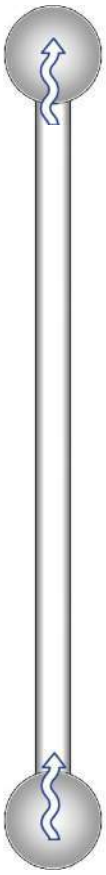
Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
OTM-24	**MEAD**	**WELKER AVE**	**Vitrified Clay Pipe**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-24			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-25	**178.7**		**8**	**8**		

SPR **4**	MPR **N/A**	PO Number		Customer	
SPRI **4**	MPRI **N/A**	Work Order		Purpose	
QSR **4100**	QMR **N/A**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
4	**Tom**	**Upstream**	**20130128**	**2013**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
4	**U-109-7985**	**Jetting**	**14:20**	**Dry**	
Date Cleaned			End Time	Additional Info	
			14:26		



0.0 ft. Manhole

OTM-25

0.0 ft. Water Level

63.3 ft. Fracture Multiple

178.7 ft. Manhole

OTM-24

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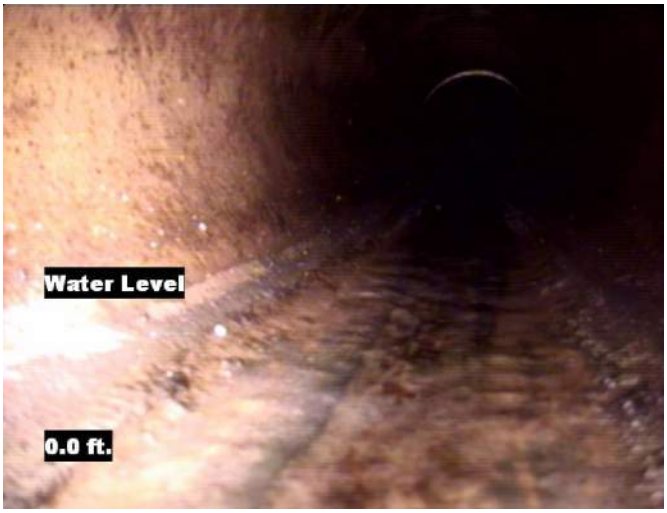
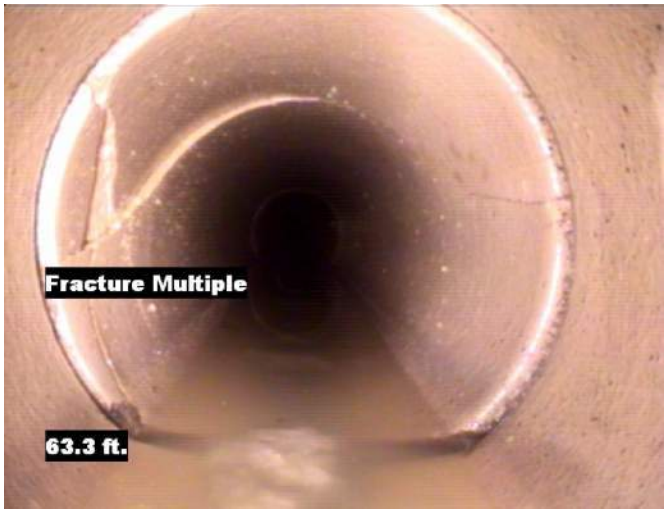
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
OTM-24	**MEAD**	**WELKER AVE**	**Vitrified Clay Pipe**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-24			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-25	**178.7**		**8**	**8**		

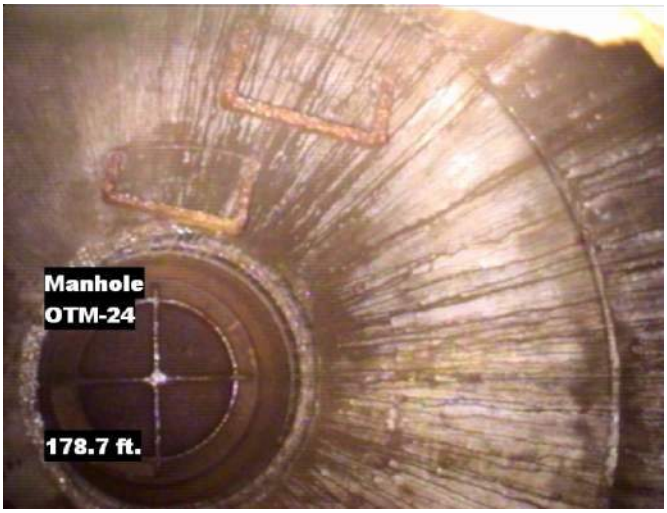
Distance: 0.0 ft. **Grade:** 0
Condition: Manhole
Remarks: OTM-25



Distance: 0.0 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A



Distance: 63.3 ft. **Grade:** 4
Condition: Fracture Multiple
Remarks: N/A



Distance: 178.7 ft. **Grade:** 0
Condition: Manhole
Remarks: OTM-24

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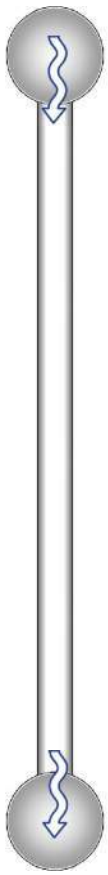
Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
3	**MEAD**	**WELKER AVE**	**Vitrified Clay Pipe**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-23			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-24	**304.1**		**8**	**8**		

SPR **5**	MPR **N/A**	PO Number		Customer	
SPRI **5**	MPRI **N/A**	Work Order		Purpose	
QSR **5100**	QMR **N/A**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
5	**Tom**	**Downstream**	**20150831**	**2015**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
5	**U-109-7985**	**Jetting**	**12:16**	**Dry**	
Date Cleaned			End Time	Additional Info	
			12:25		



0.0 ft. Manhole

OTM-23

0.0 ft. Water Level

42.0 ft. Broken Pipe Void Visible

304.1 ft. Manhole

OTM-24

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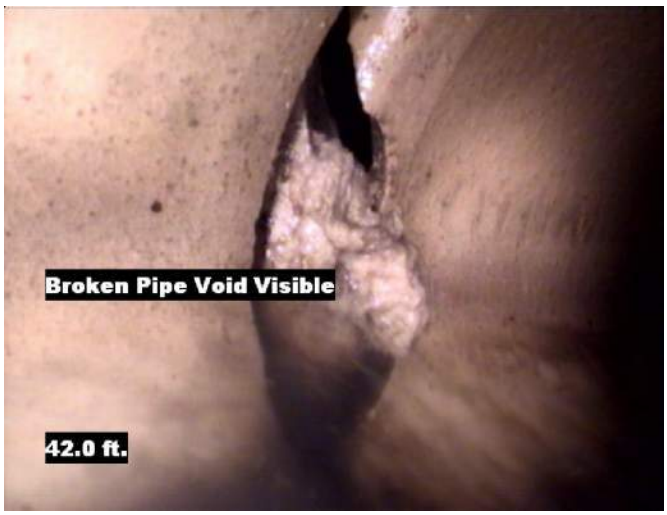
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
3	**MEAD**	**WELKER AVE**	**Vitrified Clay Pipe**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-23			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-24	**304.1**		**8**	**8**		

Distance: 0.0 ft. **Grade:** 0
Condition: Manhole
Remarks: OTM-23

Distance: 0.0 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A



Distance: 42.0 ft. **Grade:** 5
Condition: Broken Pipe Void Visible
Remarks: N/A

Distance: 304.1 ft. **Grade:** 0
Condition: Manhole
Remarks: OTM-24

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Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
2	**MEAD**	**WELKER AVE**	**Vitrified Clay Pipe**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-22			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-23	**306**		**8**	**8**		

SPR **5**	MPR **N/A**	PO Number		Customer	
SPRI **5**	MPRI **N/A**	Work Order		Purpose	
QSR **5100**	QMR **N/A**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
5	**Tom**	**Downstream**	**20150831**	**2015**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
5	**U-109-7985**	**Jetting**	**12:31**	**Dry**	
Date Cleaned			End Time	Additional Info	
			12:39		

0.0 ft. Manhole

OTM-22

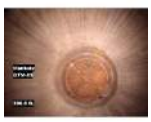
0.0 ft. Water Level

103.3 ft. Broken Pipe Void Visible

299.3 ft. Tap Break-in Active

300.3 ft. General Photo

306.0 ft. Manhole



OTM-23

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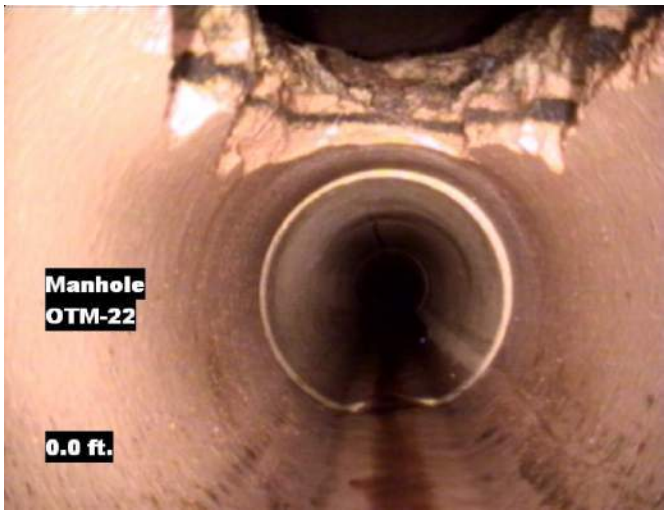
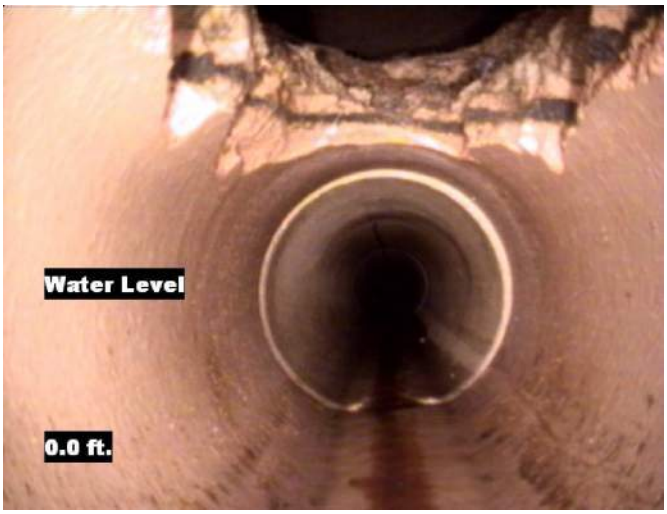
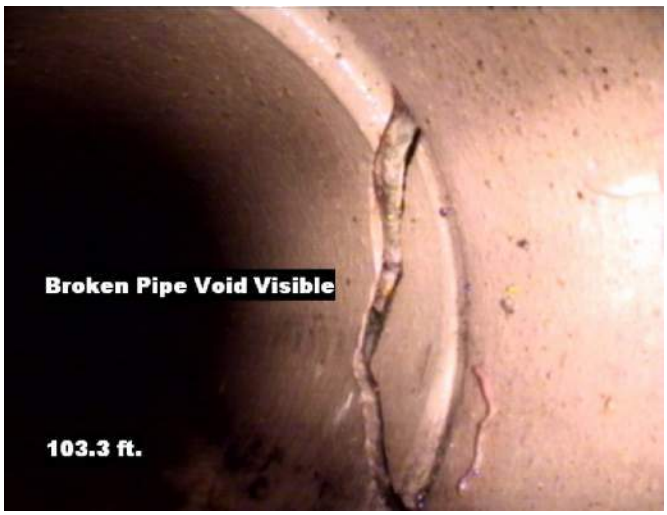
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
2	**MEAD**	**WELKER AVE**	**Vitrified Clay Pipe**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-22			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-23	**306**		**8**	**8**		



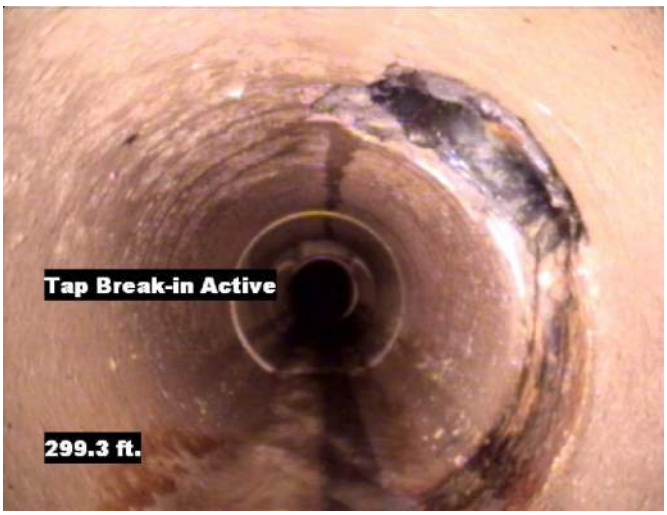
Distance: 0.0 ft. **Grade:** 0
Condition: Manhole
Remarks: OTM-22



Distance: 0.0 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A



Distance: 103.3 ft. **Grade:** 5
Condition: Broken Pipe Void Visible
Remarks: N/A



Distance: 299.3 ft. **Grade:** 0
Condition: Tap Break-in Active
Remarks: N/A

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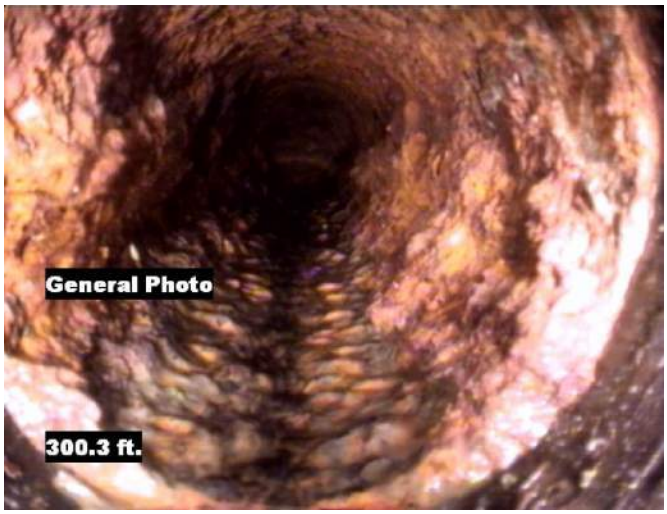
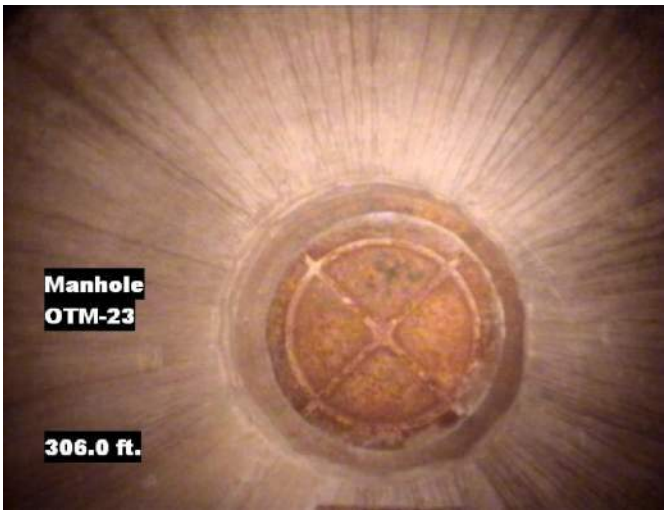
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
2	**MEAD**	**WELKER AVE**	**Vitrified Clay Pipe**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-22			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-23	**306**		**8**	**8**		



Distance: 300.3 ft. **Grade:** 0
Condition: General Photo
Remarks: N/A



Distance: 306.0 ft. **Grade:** 0
Condition: Manhole
Remarks: OTM-23

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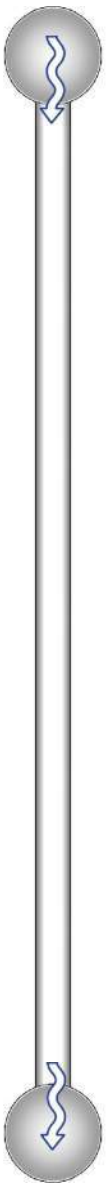
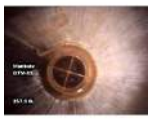
Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
1	**MEAD**	**WELKER AVE**	**Vitrified Clay Pipe**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-41			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-22	**257.3**		**8**	**8**		

SPR **7**	MPR **N/A**	PO Number		Customer	
SPRI **3.5**	MPRI **N/A**	Work Order		Purpose	
QSR **5121**	QMR **N/A**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date		Media label
7	**Tom**	**Downstream**	**20150831**		**2015**
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
3.5	**U-109-7985**	**Jetting**	**12:44**	**Dry**	
Date Cleaned			End Time	Additional Info	
			12:51		



0.0 ft.	Manhole		OTM-41
0.0 ft.	Water Level		
48.1 ft.	Joint Separated Large		
49.1 ft.	General Photo		
176.8 ft.	Broken Pipe Void Visible		
257.3 ft.	Manhole		OTM-22

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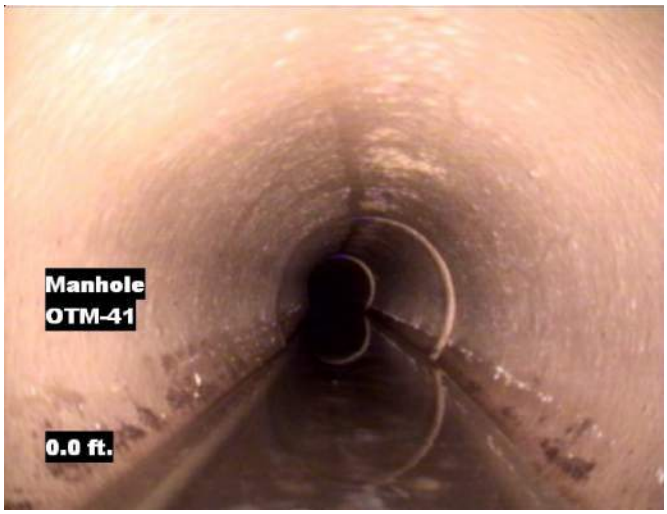
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
1	**MEAD**	**WELKER AVE**	**Vitrified Clay Pipe**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-41			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-22	**257.3**		**8**	**8**		



Distance: 0.0 ft. **Grade:** 0
Condition: Manhole
Remarks: OTM-41

Distance: 0.0 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A

Distance: 48.1 ft. **Grade:** 2
Condition: Joint Separated Large
Remarks: N/A

Distance: 49.1 ft. **Grade:** 0
Condition: General Photo
Remarks: N/A

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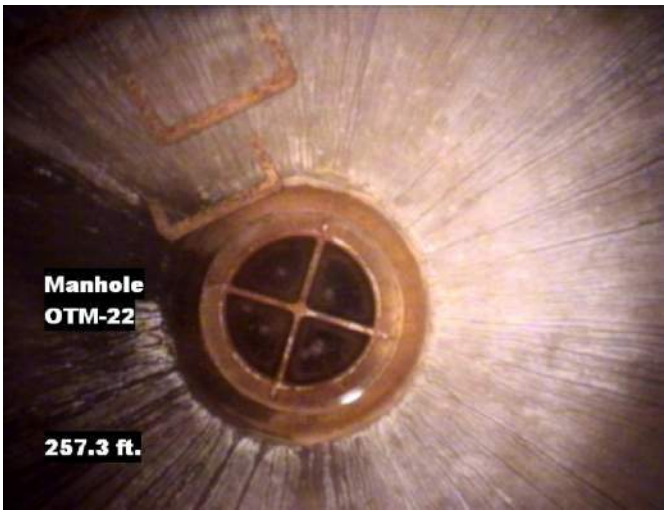
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
1	**MEAD**	**WELKER AVE**	**Vitrified Clay Pipe**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-41			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-22	**257.3**		**8**	**8**		

Distance: 176.8 ft. **Grade:** 5
Condition: Broken Pipe Void Visible
Remarks: N/A



Distance: 257.3 ft. **Grade:** 0
Condition: Manhole
Remarks: OTM-22

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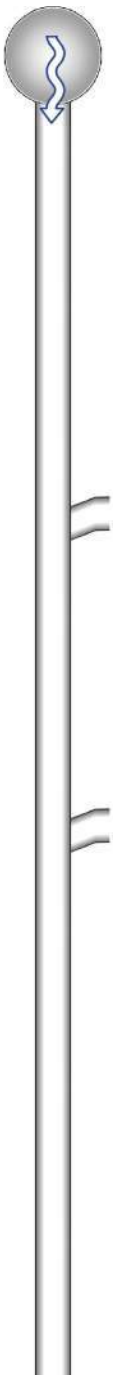
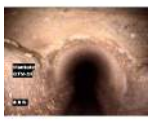
Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
30	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-31			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-6	**354.9**		**8**	**8**		

SPR **N/A**	MPR **14**	PO Number		Customer	
SPRI **N/A**	MPRI **1.8**	Work Order		Purpose	
QSR **N/A**	QMR **3222**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
14	**Tom**	**Downstream**	**20150901**	**2015**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
1.8	**U-109-7985**	**Jetting**	**13:40**	**Dry**	
Date Cleaned			End Time	Additional Info	
			13:56		



0.0 ft. Manhole



0.0 ft. Water Level

33.4 ft. Tap Break-in Active

34.2 ft. Roots Fine Connection

74.3 ft. Tap Break-in Active

74.7 ft. Roots Fine Connection

74.8 ft. Roots Medium Lateral

75.3 ft. Roots Fine Joint

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Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
30	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-31			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-6	**354.9**		**8**	**8**		

SPR **N/A**	MPR **14**	PO Number		Customer	
SPRI **N/A**	MPRI **1.8**	Work Order		Purpose	
QSR **N/A**	QMR **3222**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
14	**Tom**	**Downstream**	**20150901**	**2015**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
1.8	**U-109-7985**	**Jetting**	**13:40**	**Dry**	
Date Cleaned			End Time	Additional Info	
			13:56		

91.4 ft. Tap Break-in Active

91.4 ft. Roots Medium Connection

111.9 ft. Tap Break-in Active

140.1 ft. Tap Break-in Capped

172.0 ft. Tap Break-in Active

178.4 ft. Tap Break-in Active

179.4 ft. Roots Fine Connection

189.7 ft. Tap Break-in Capped

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Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
30	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-31			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-6	**354.9**		**8**	**8**		

SPR **N/A**	MPR **14**	PO Number		Customer	
SPRI **N/A**	MPRI **1.8**	Work Order		Purpose	
QSR **N/A**	QMR **3222**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
14	**Tom**	**Downstream**	**20150901**	**2015**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
1.8	**U-109-7985**	**Jetting**	**13:40**	**Dry**	
Date Cleaned			End Time	Additional Info	
			13:56		

262.2 ft. Water Level

331.9 ft. Tap Break-in Active

354.9 ft. Manhole

OTM-6

OTM-6

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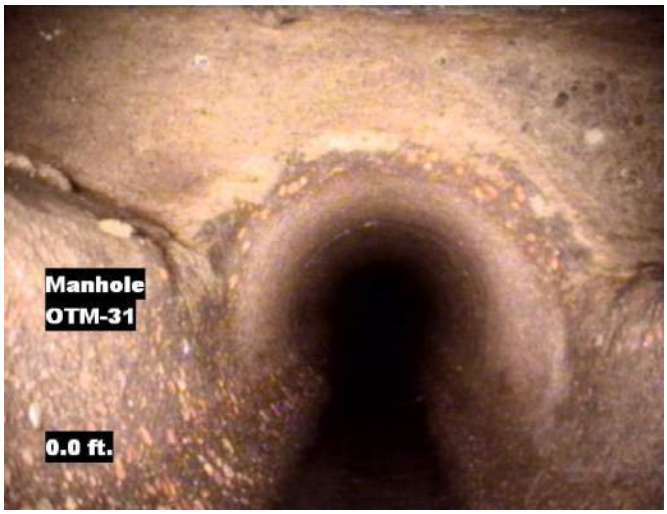
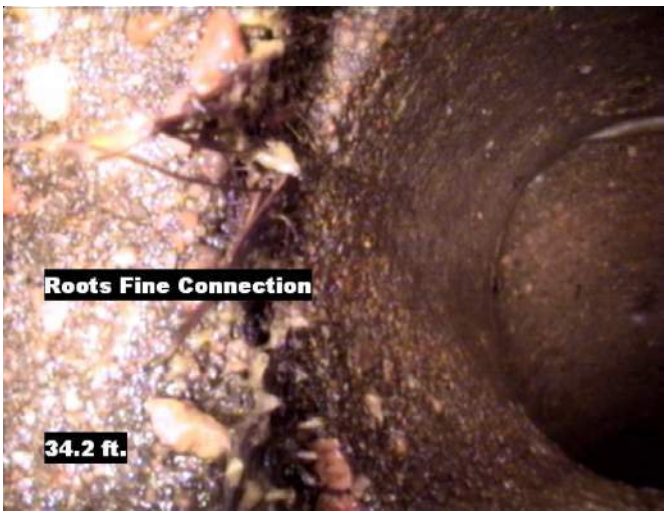
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
30	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-31			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-6	**354.9**		**8**	**8**		



Distance: 0.0 ft. **Grade:** 0
Condition: Manhole
Remarks: OTM-31

Distance: 0.0 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A

Distance: 33.4 ft. **Grade:** 0
Condition: Tap Break-in Active
Remarks: N/A



Distance: 34.2 ft. **Grade:** 1
Condition: Roots Fine Connection
Remarks: N/A

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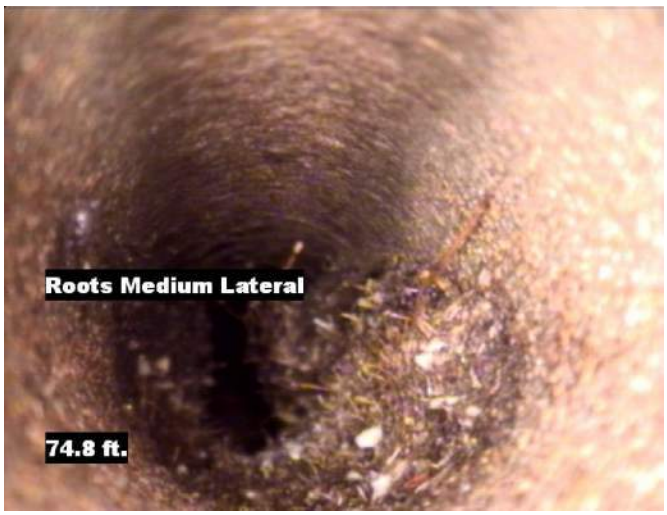
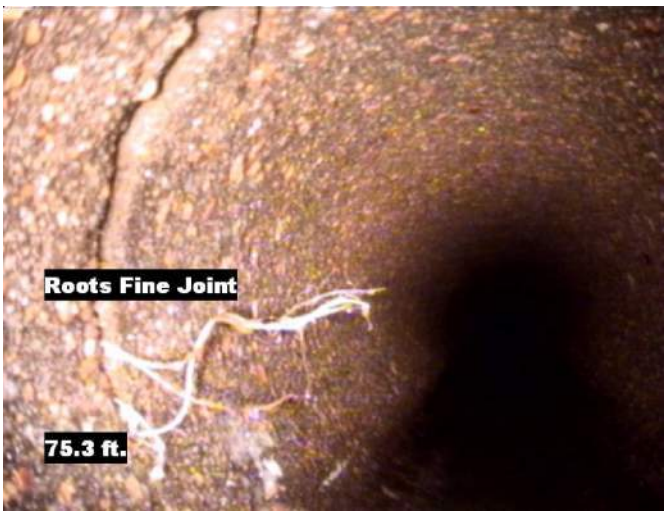
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
30	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-31			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-6	**354.9**		**8**	**8**		

Distance: 74.3 ft. **Grade:** 0
Condition: Tap Break-in Active
Remarks: N/A

Distance: 74.7 ft. **Grade:** 1
Condition: Roots Fine Connection
Remarks: N/A



Distance: 74.8 ft. **Grade:** 3
Condition: Roots Medium Lateral
Remarks: N/A



Distance: 75.3 ft. **Grade:** 1
Condition: Roots Fine Joint
Remarks: N/A

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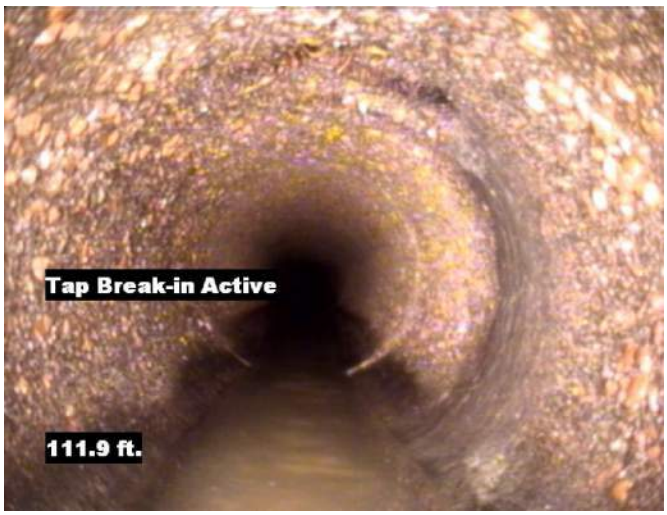
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
30	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-31			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-6	**354.9**		**8**	**8**		

Distance: 91.4 ft. **Grade:** 0
Condition: Tap Break-in Active
Remarks: N/A

Distance: 91.4 ft. **Grade:** 3
Condition: Roots Medium Connection
Remarks: N/A



Distance: 111.9 ft. **Grade:** 0
Condition: Tap Break-in Active
Remarks: N/A

Distance: 140.1 ft. **Grade:** 2
Condition: Tap Break-in Capped
Remarks: N/A

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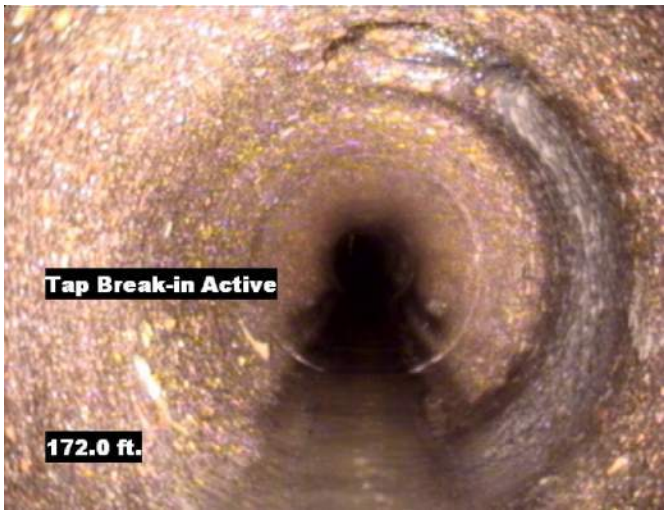
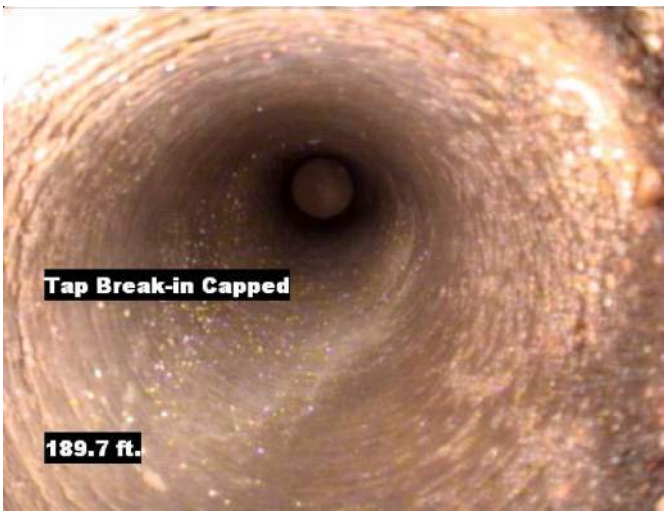
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
30	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-31			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-6	**354.9**		**8**	**8**		



Distance: 172.0 ft. **Grade:** 0
Condition: Tap Break-in Active
Remarks: N/A

Distance: 178.4 ft. **Grade:** 0
Condition: Tap Break-in Active
Remarks: N/A

Distance: 179.4 ft. **Grade:** 1
Condition: Roots Fine Connection
Remarks: N/A



Distance: 189.7 ft. **Grade:** 2
Condition: Tap Break-in Capped
Remarks: N/A

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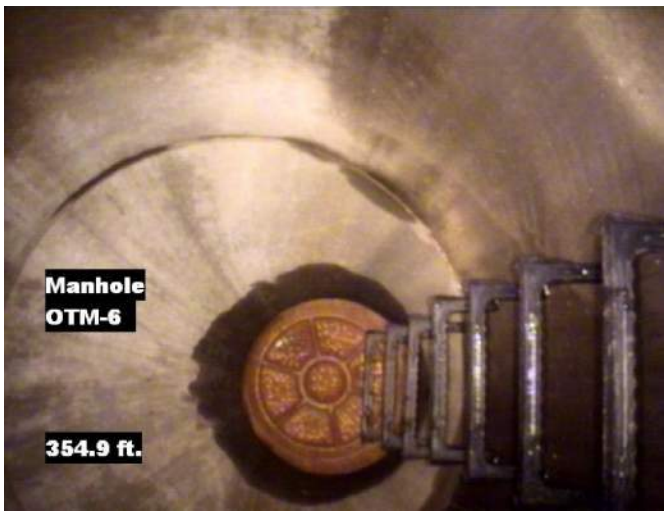
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
30	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-31			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-6	**354.9**		**8**	**8**		

Distance: 262.2 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A

Distance: 331.9 ft. **Grade:** 0
Condition: Tap Break-in Active
Remarks: N/A



Distance: 354.9 ft. **Grade:** 0
Condition: Manhole
Remarks: OTM-6

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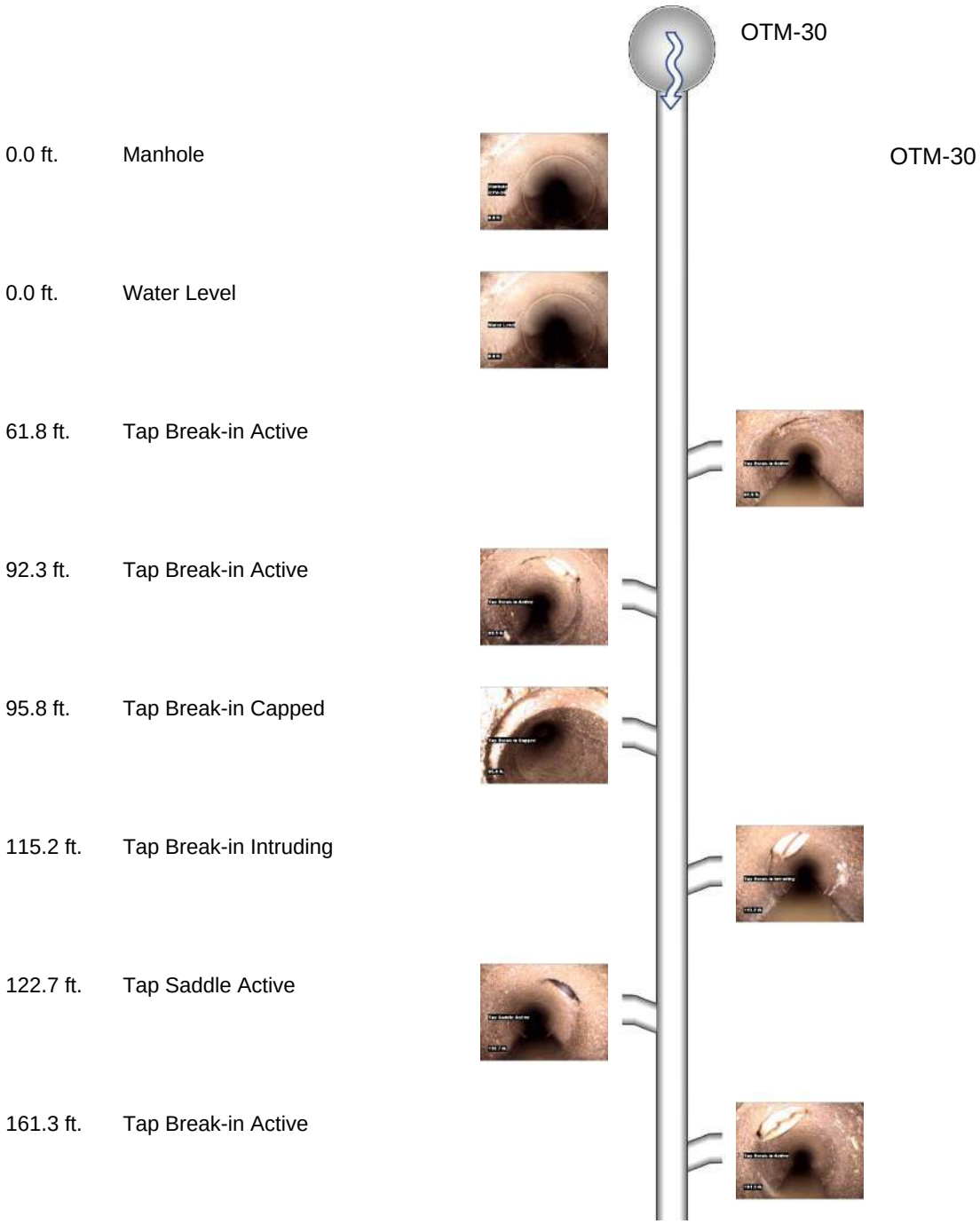
Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
29	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-30			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-31	**403.6**		**8**	**8**		

SPR **4**	MPR **16**	PO Number		Customer	
SPRI **4**	MPRI **2**	Work Order		Purpose	
QSR **4100**	QMR **2800**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date		Media label
20	**Tom**	**Downstream**	**20150901**		**2015**
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
2.2	**U-109-7985**	**Jetting**	**13:17**	**Dry**	
	Date Cleaned		End Time	Additional Info	
			13:38		



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Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
29	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-30			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-31	**403.6**		**8**	**8**		

SPR **4**	MPR **16**	PO Number		Customer	
SPRI **4**	MPRI **2**	Work Order		Purpose	
QSR **4100**	QMR **2800**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date		Media label
20	**Tom**	**Downstream**	**20150901**		**2015**
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
2.2	**U-109-7985**	**Jetting**	**13:17**	**Dry**	
Date Cleaned			End Time	Additional Info	
			13:38		

173.1 ft. Tap Break-in Capped

213.7 ft. Tap Break-in Capped

215.3 ft. Tap Break-in Active

220.3 ft. Tap Break-in Active

242.1 ft. Tap Break-in Capped

262.6 ft. Tap Break-in Capped

294.2 ft. Patch Repair Defective

VOIDS IN REPAIR

295.3 ft. Tap Break-in Capped

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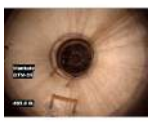
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
29	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-30			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-31	**403.6**		**8**	**8**		

SPR **4**	MPR **16**	PO Number		Customer	
SPRI **4**	MPRI **2**	Work Order		Purpose	
QSR **4100**	QMR **2800**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
20	**Tom**	**Downstream**	**20150901**	**2015**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
2.2	**U-109-7985**	**Jetting**	**13:17**	**Dry**	
Date Cleaned			End Time	Additional Info	
			13:38		

318.7 ft. Tap Break-in Intruding

344.5 ft. Tap Break-in Active

403.6 ft. Manhole



OTM-31

OTM-31

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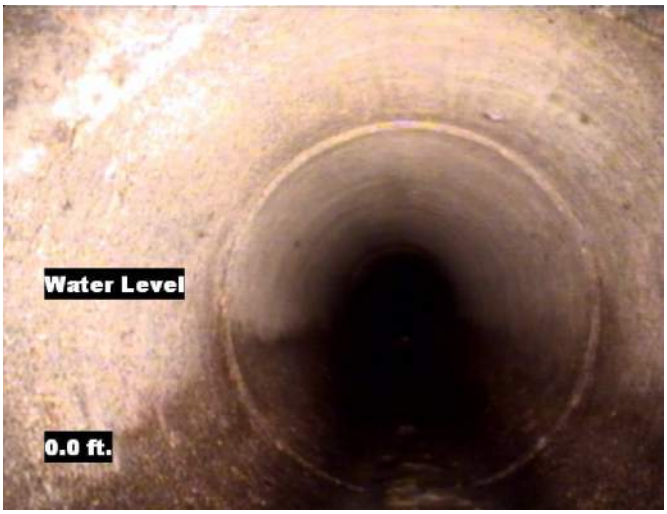
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
29	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-30			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-31	**403.6**		**8**	**8**		

Distance: 0.0 ft. **Grade:** 0
Condition: Manhole
Remarks: OTM-30



Distance: 0.0 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A

Distance: 61.8 ft. **Grade:** 0
Condition: Tap Break-in Active
Remarks: N/A

Distance: 92.3 ft. **Grade:** 0
Condition: Tap Break-in Active
Remarks: N/A

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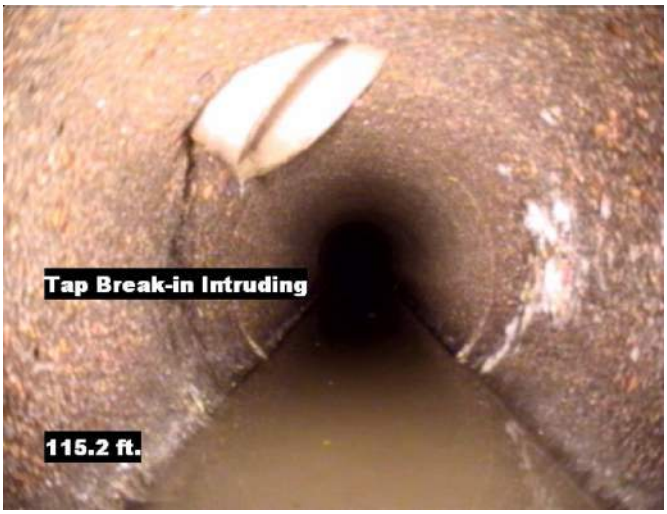
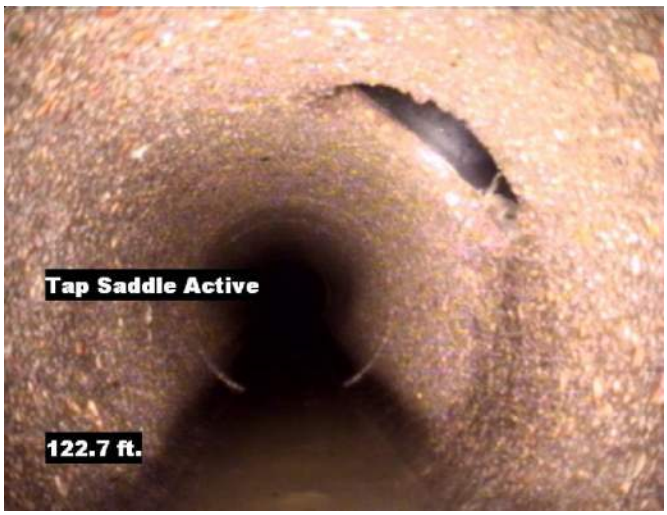
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
29	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-30			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-31	**403.6**		**8**	**8**		

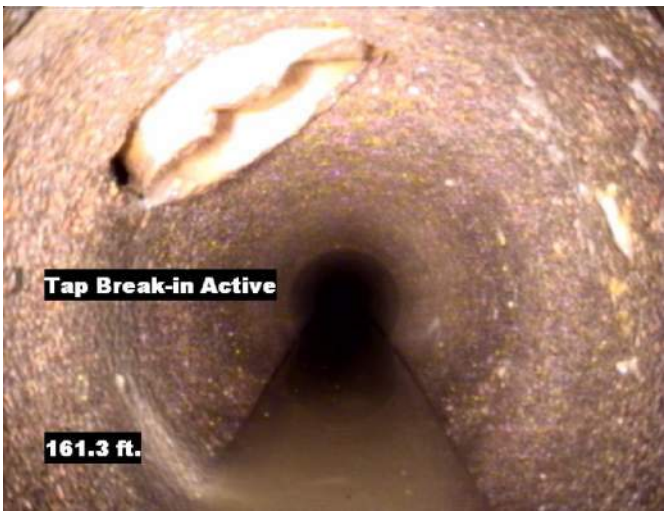
Distance: 95.8 ft. **Grade:** 2
Condition: Tap Break-in Capped
Remarks: N/A



Distance: 115.2 ft. **Grade:** 2
Condition: Tap Break-in Intruding
Remarks: N/A



Distance: 122.7 ft. **Grade:** 0
Condition: Tap Saddle Active
Remarks: N/A



Distance: 161.3 ft. **Grade:** 0
Condition: Tap Break-in Active
Remarks: N/A

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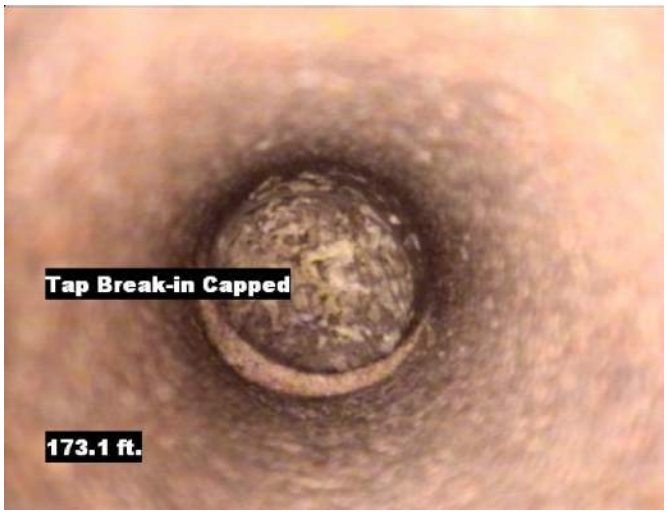
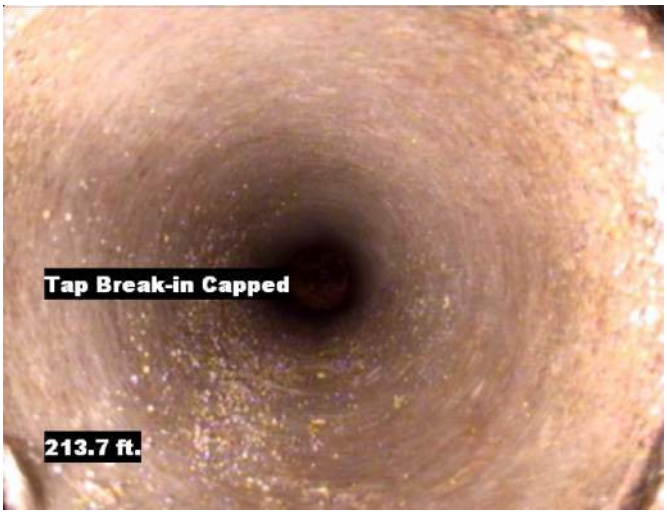
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
29	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-30			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-31	**403.6**		**8**	**8**		



Distance: 173.1 ft. **Grade:** 2
Condition: Tap Break-in Capped
Remarks: N/A



Distance: 213.7 ft. **Grade:** 2
Condition: Tap Break-in Capped
Remarks: N/A

Distance: 215.3 ft. **Grade:** 0
Condition: Tap Break-in Active
Remarks: N/A

Distance: 220.3 ft. **Grade:** 0
Condition: Tap Break-in Active
Remarks: N/A

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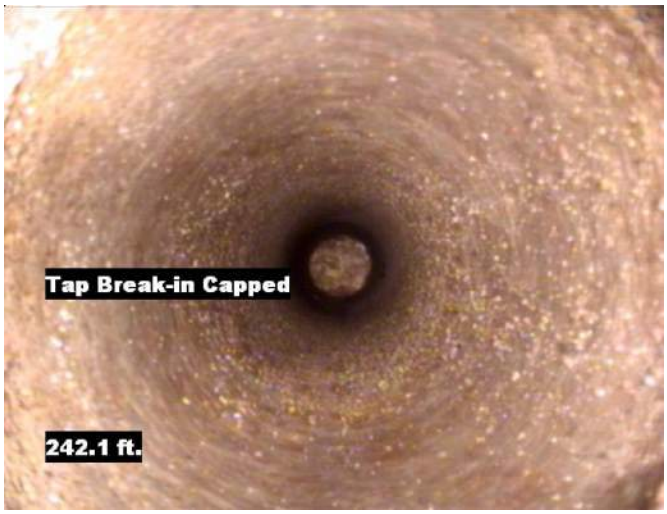
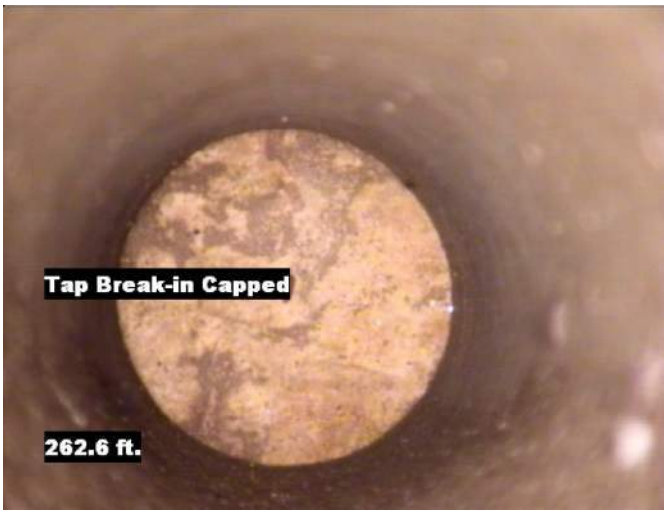
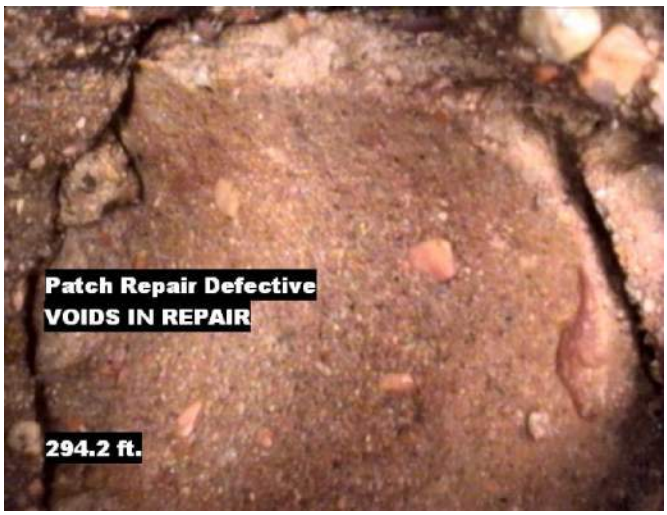
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
29	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-30			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-31	**403.6**		**8**	**8**		



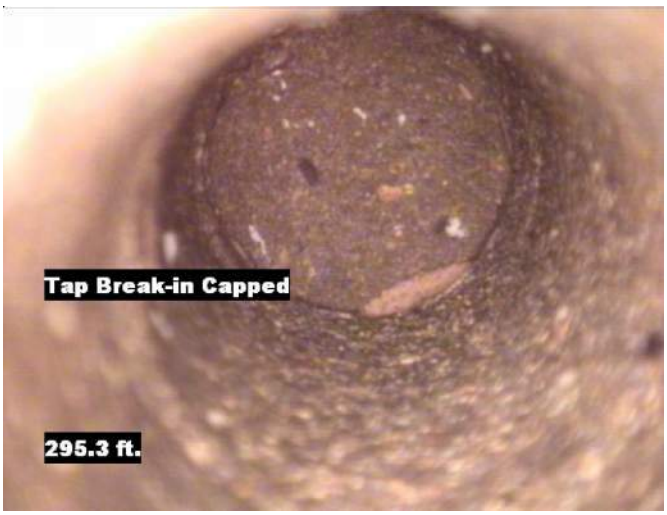
Distance: 242.1 ft. **Grade:** 2
Condition: Tap Break-in Capped
Remarks: N/A



Distance: 262.6 ft. **Grade:** 2
Condition: Tap Break-in Capped
Remarks: N/A



Distance: 294.2 ft. **Grade:** 4
Condition: Patch Repair Defective
Remarks: VOIDS IN REPAIR



Distance: 295.3 ft. **Grade:** 2
Condition: Tap Break-in Capped
Remarks: N/A

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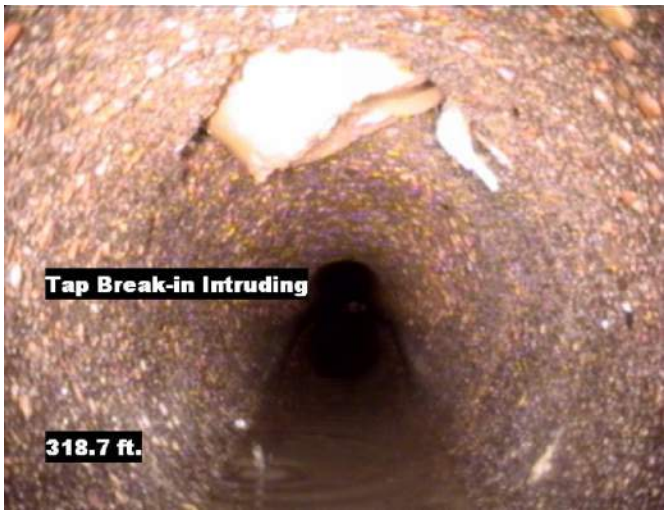
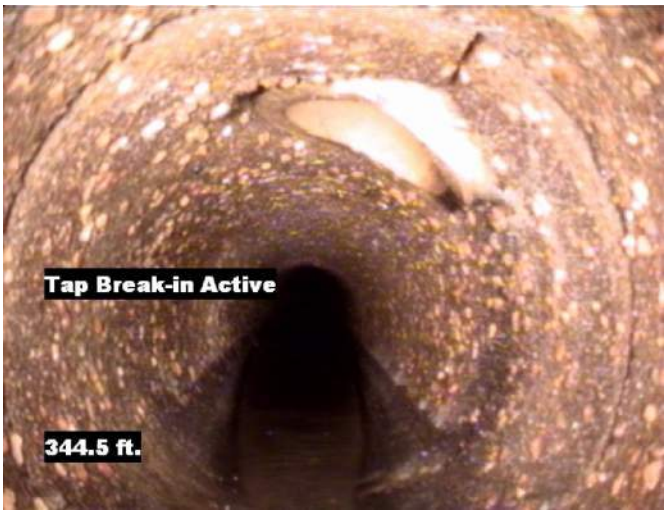
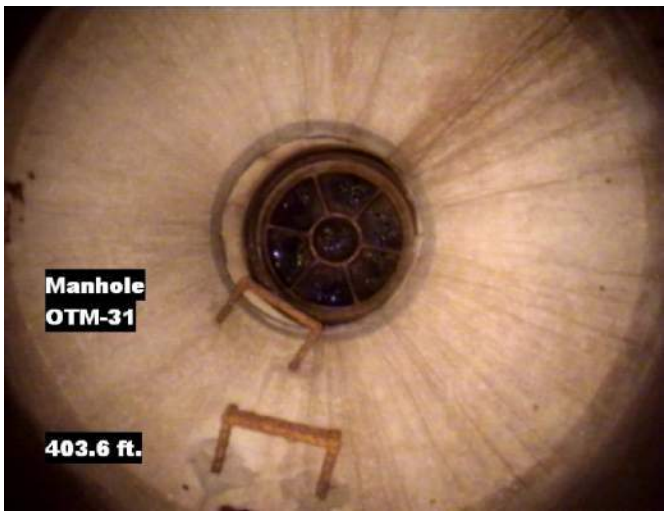
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
29	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-30			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-31	**403.6**		**8**	**8**		



Distance: 318.7 ft. **Grade:** 2
Condition: Tap Break-in Intruding
Remarks: N/A



Distance: 344.5 ft. **Grade:** 0
Condition: Tap Break-in Active
Remarks: N/A



Distance: 403.6 ft. **Grade:** 0
Condition: Manhole
Remarks: OTM-31

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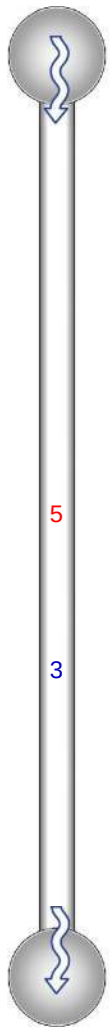
Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
61	**MEAD**	**PALMER AVE**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-28			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-30	**208.9**		**6**	**6**		

SPR **5**	MPR **3**	PO Number		Customer	
SPRI **5**	MPRI **3**	Work Order		Purpose	
QSR **5100**	QMR **3100**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
8	**Tom**	**Downstream**	**20150902**	**2015**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
4	**U-109-7985**	**Jetting**	**13:39**	**Dry**	
Date Cleaned			End Time	Additional Info	
			13:46		



0.0 ft. Manhole

OTM-28

0.0 ft. Water Level

102.7 ft. Hole Void Visible

102.7 ft. Roots Tap Barrel

208.9 ft. Manhole

OTM-30

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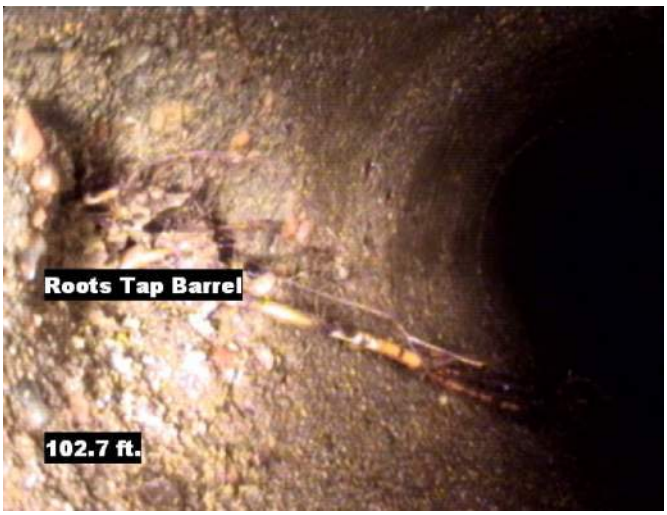
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
61	**MEAD**	**PALMER AVE**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-28			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-30	**208.9**		**6**	**6**		

Distance: 0.0 ft. **Grade:** 0
Condition: Manhole
Remarks: OTM-28

Distance: 0.0 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A

Distance: 102.7 ft. **Grade:** 5
Condition: Hole Void Visible
Remarks: N/A



Distance: 102.7 ft. **Grade:** 3
Condition: Roots Tap Barrel
Remarks: N/A

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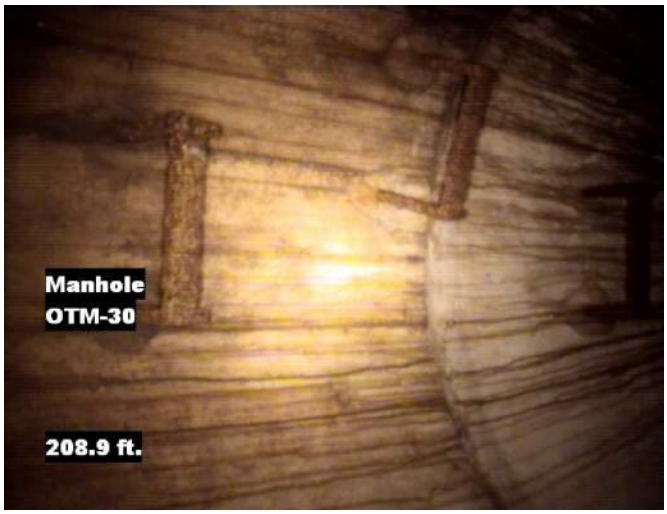
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
61	**MEAD**	**PALMER AVE**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-28			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-30	**208.9**		**6**	**6**		



Distance: 208.9 ft. **Grade:** 0
Condition: Manhole
Remarks: OTM-30

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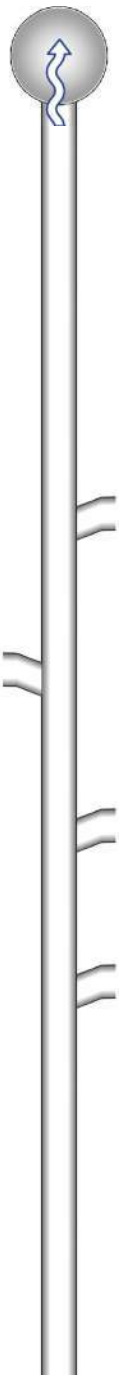
Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
24	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-34			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-33	**274.1**		**8**	**8**		

SPR **3**	MPR **9**	PO Number		Customer	
SPRI **3**	MPRI **3**	Work Order		Purpose	
QSR **3100**	QMR **3300**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
12	**Tom**	**Upstream**	**20150901**	**2015**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
3	**U-109-7985**	**Jetting**	**12:04**	**Dry**	
	Date Cleaned		End Time	Additional Info	
			12:17		

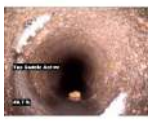


0.0 ft. Manhole

OTM-33

0.0 ft. Water Level

49.7 ft. Tap Saddle Active



85.6 ft. Tap Break-in Active

104.9 ft. Tap Saddle Active

144.5 ft. Tap Break-in Active

145.3 ft. Roots Medium Lateral

145.7 ft. General Photo

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Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
24	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-34			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-33	**274.1**		**8**	**8**		

SPR **3**	MPR **9**	PO Number		Customer	
SPRI **3**	MPRI **3**	Work Order		Purpose	
QSR **3100**	QMR **3300**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
12	**Tom**	**Upstream**	**20150901**	**2015**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
3	**U-109-7985**	**Jetting**	**12:04**	**Dry**	
Date Cleaned			End Time	Additional Info	
			12:17		

181.6 ft. Tap Break-in Active

181.6 ft. Water Level

194.1 ft. Water Level

213.1 ft. Water Level

234.2 ft. Tap Saddle Active

236.3 ft. Tap Saddle Active

255.2 ft. Tap Saddle Active

259.1 ft. Tap Break-in Active

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Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
24	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-34			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-33	**274.1**		**8**	**8**		

SPR **3**	MPR **9**	PO Number		Customer	
SPRI **3**	MPRI **3**	Work Order		Purpose	
QSR **3100**	QMR **3300**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
12	**Tom**	**Upstream**	**20150901**	**2015**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
3	**U-109-7985**	**Jetting**	**12:04**	**Dry**	
	Date Cleaned		End Time	Additional Info	
			12:17		

259.8 ft. Roots Medium Lateral

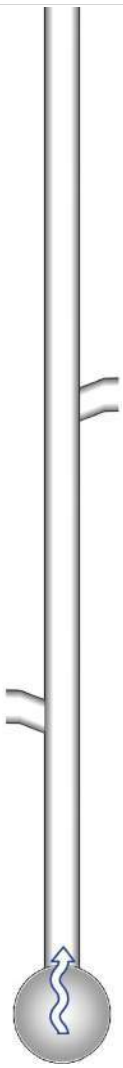
266.1 ft. Fracture Longitudinal

266.8 ft. Tap Break-in Active

267.7 ft. Roots Medium Lateral

268.6 ft. Tap Saddle Active

274.1 ft. Manhole



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Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
24	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-34			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-33	**274.1**		**8**	**8**		

Distance: 0.0 ft. **Grade:** 0
Condition: Manhole
Remarks: OTM-33

Distance: 0.0 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A

Distance: 49.7 ft. **Grade:** 0
Condition: Tap Saddle Active
Remarks: N/A

Distance: 85.6 ft. **Grade:** 0
Condition: Tap Break-in Active
Remarks: N/A

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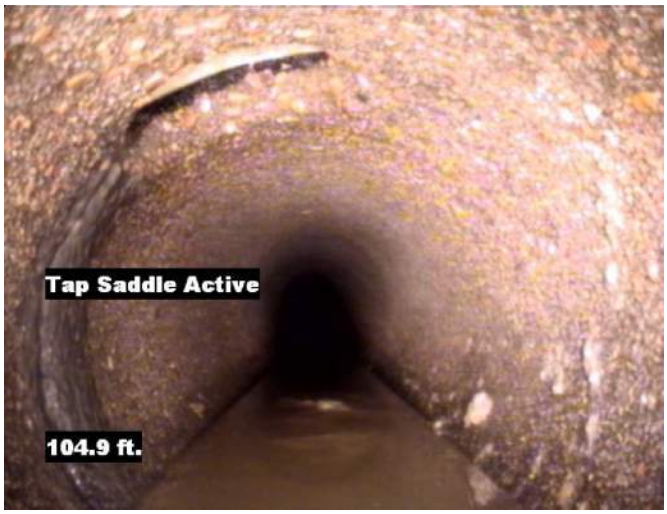
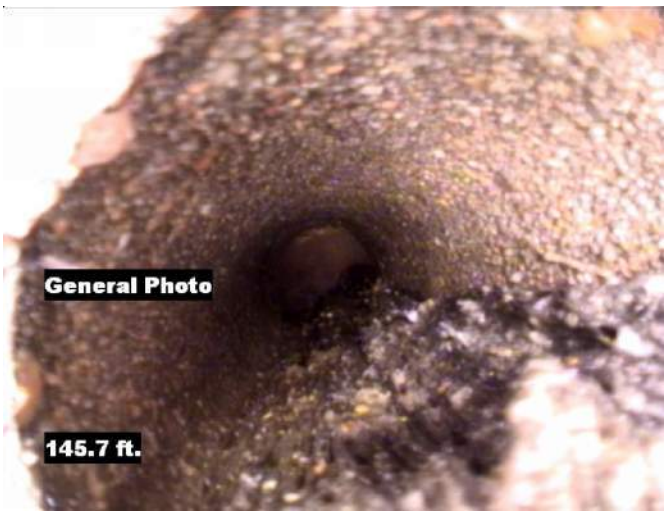
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
24	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-34			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-33	**274.1**		**8**	**8**		



Distance: 104.9 ft. **Grade:** 0
Condition: Tap Saddle Active
Remarks: N/A

Distance: 144.5 ft. **Grade:** 0
Condition: Tap Break-in Active
Remarks: N/A

Distance: 145.3 ft. **Grade:** 3
Condition: Roots Medium Lateral
Remarks: N/A



Distance: 145.7 ft. **Grade:** 0
Condition: General Photo
Remarks: N/A

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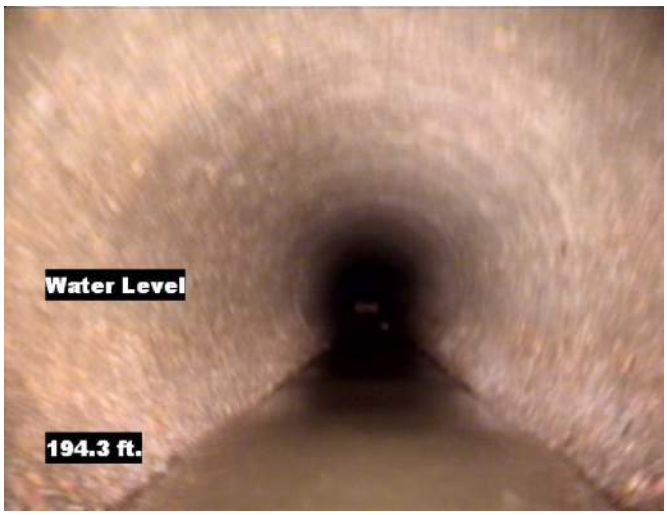
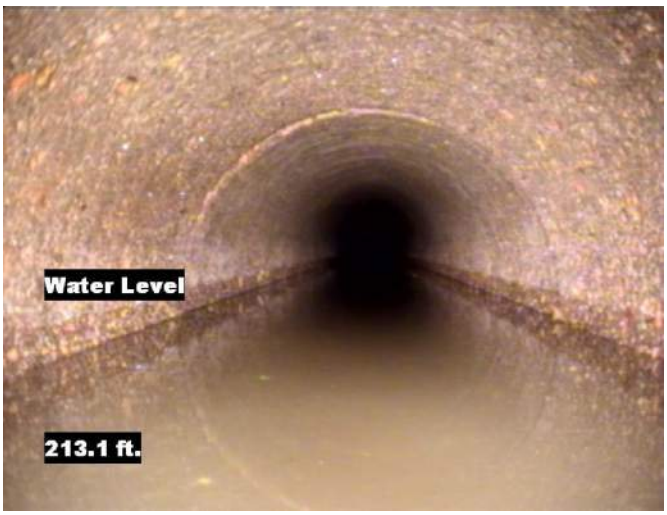
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
24	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-34			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-33	**274.1**		**8**	**8**		

Distance: 181.6 ft. **Grade:** 0
Condition: Tap Break-in Active
Remarks: N/A

Distance: 181.6 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A



Distance: 194.1 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A



Distance: 213.1 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A

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Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
24	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-34			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-33	**274.1**		**8**	**8**		

Distance: 234.2 ft. **Grade:** 0
Condition: Tap Saddle Active
Remarks: N/A

Distance: 236.3 ft. **Grade:** 0
Condition: Tap Saddle Active
Remarks: N/A

Distance: 255.2 ft. **Grade:** 0
Condition: Tap Saddle Active
Remarks: N/A

Distance: 259.1 ft. **Grade:** 0
Condition: Tap Break-in Active
Remarks: N/A

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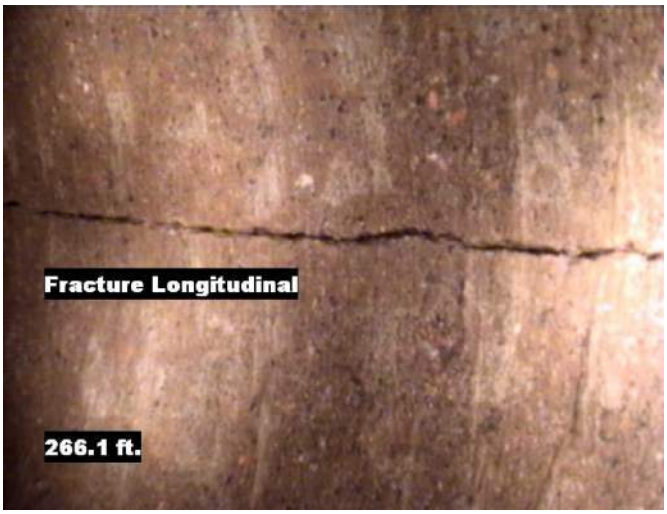
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
24	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-34			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-33	**274.1**		**8**	**8**		

Distance: 259.8 ft. **Grade:** 3
Condition: Roots Medium Lateral
Remarks: N/A



Distance: 266.1 ft. **Grade:** 3
Condition: Fracture Longitudinal
Remarks: N/A

Distance: 266.8 ft. **Grade:** 0
Condition: Tap Break-in Active
Remarks: N/A

Distance: 267.7 ft. **Grade:** 3
Condition: Roots Medium Lateral
Remarks: N/A

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Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
24	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-34			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-33	**274.1**		**8**	**8**		

Distance: 268.6 ft. **Grade:** 0
Condition: Tap Saddle Active
Remarks: N/A

Distance: 274.1 ft. **Grade:** 0
Condition: Manhole
Remarks: OTM-34

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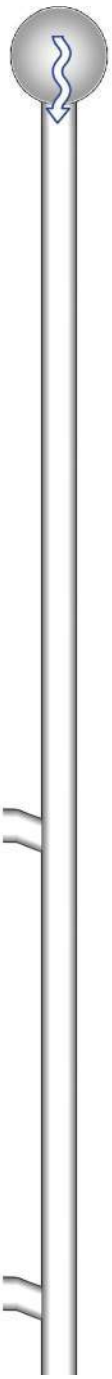
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
27	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-32			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-5	**348.3**		**8**	**8**		

SPR **6**	MPR **N/A**	PO Number		Customer	
SPRI **2**	MPRI **N/A**	Work Order		Purpose	
QSR **4112**	QMR **N/A**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date		Media label
6	**Tom**	**Downstream**	**20150901**		**2015**
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
2	**U-109-7985**	**Jetting**	**12:33**	**Dry**	
	Date Cleaned		End Time	Additional Info	
			12:45		



0.0 ft.	Manhole		OTM-32
0.0 ft.	Water Level		
106.3 ft.	Material Change		PVC
106.3 ft.	Joint Offset Medium		
107.2 ft.	Tap Factory Active		
108.5 ft.	Material Change		CONCRETE
108.5 ft.	Joint Offset Medium		
151.6 ft.	Tap Break-in Active		

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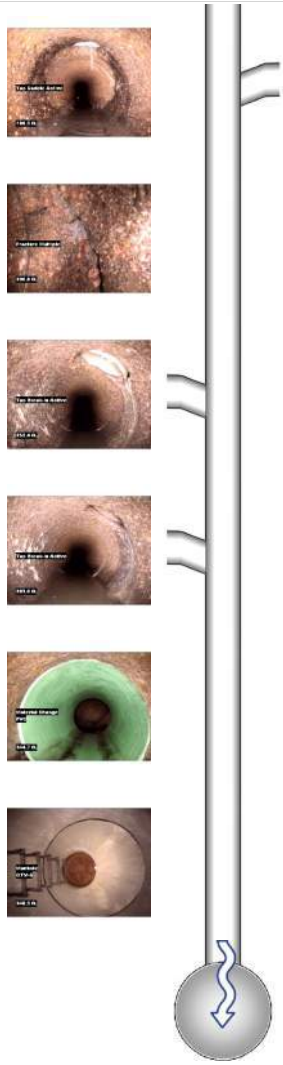
Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material	Location C...	Sewer Use
27	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**		**Sanitary**
Upstream MH	Total Length	Year Laid	Shape	Location Details	
OTM-32			**Circular**		
Downstream MH	Length surveyed	Year Renewed	Height / Width	Pipe Joint...	
OTM-5	**348.3**		**8** / **8**		

SPR	**6**	MPR	**N/A**	PO Number	Customer
SPRI	**2**	MPRI	**N/A**	Work Order	Purpose: **Routine Assessment**
QSR	**4112**	QMR	**N/A**		

OPR	Surveyed By	Direction	Date	Media label
6	**Tom**	**Downstream**	**20150901**	**2015**
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
2	**U-109-7985**	**Jetting**	**12:33**	**Dry**
Date Cleaned			End Time	Additional Info
			12:45	



199.3 ft. Tap Saddle Active

200.8 ft. Fracture Multiple

252.4 ft. Tap Break-in Active

293.6 ft. Tap Break-in Active

344.7 ft. Material Change

PVC

348.3 ft. Manhole

OTM-5

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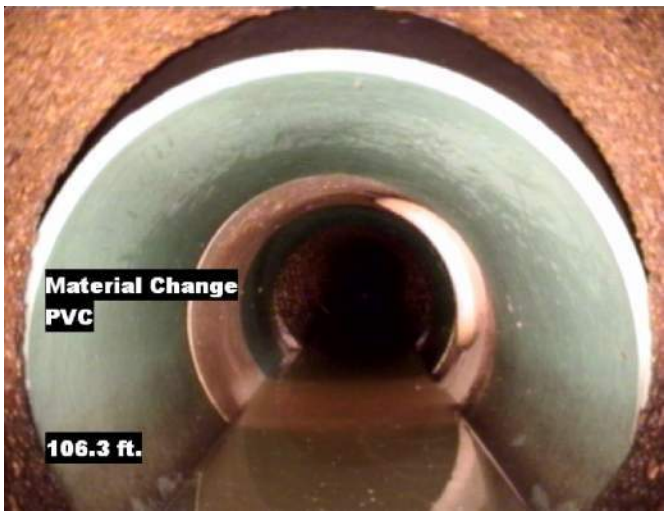
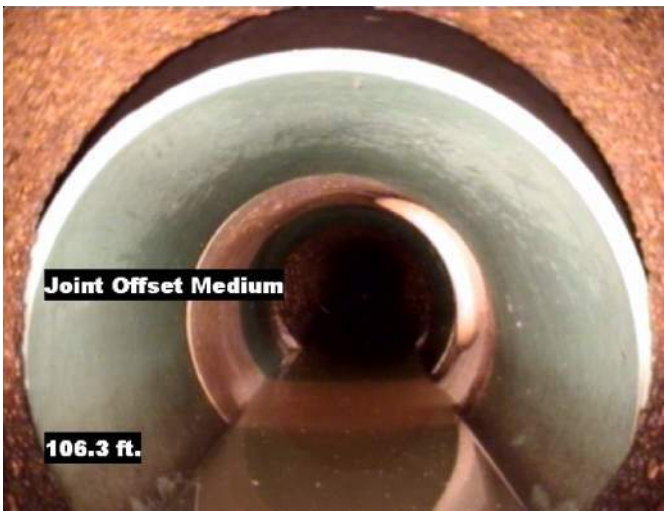
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
27	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-32			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-5	**348.3**		**8**	**8**		

Distance: 0.0 ft. **Grade:** 0
Condition: Manhole
Remarks: OTM-32

Distance: 0.0 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A



Distance: 106.3 ft. **Grade:** 0
Condition: Material Change
Remarks: PVC



Distance: 106.3 ft. **Grade:** 1
Condition: Joint Offset Medium
Remarks: N/A

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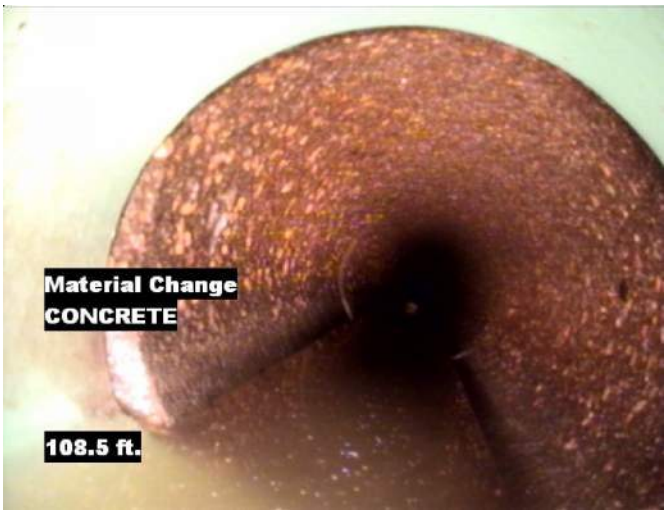
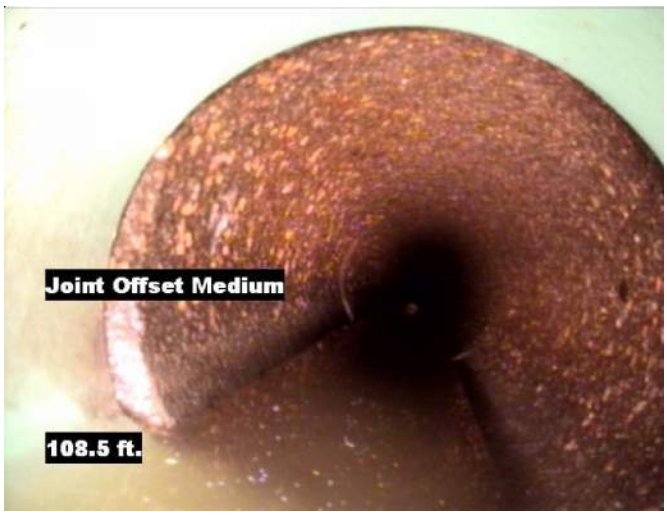
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
27	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-32			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-5	**348.3**		**8**	**8**		

Distance: 107.2 ft. **Grade:** 0
Condition: Tap Factory Active
Remarks: N/A



Distance: 108.5 ft. **Grade:** 0
Condition: Material Change
Remarks: CONCRETE



Distance: 108.5 ft. **Grade:** 1
Condition: Joint Offset Medium
Remarks: N/A

Distance: 151.6 ft. **Grade:** 0
Condition: Tap Break-in Active
Remarks: N/A

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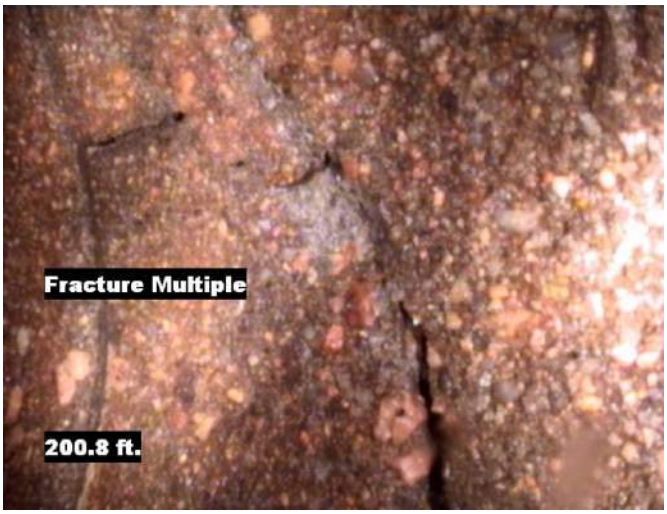
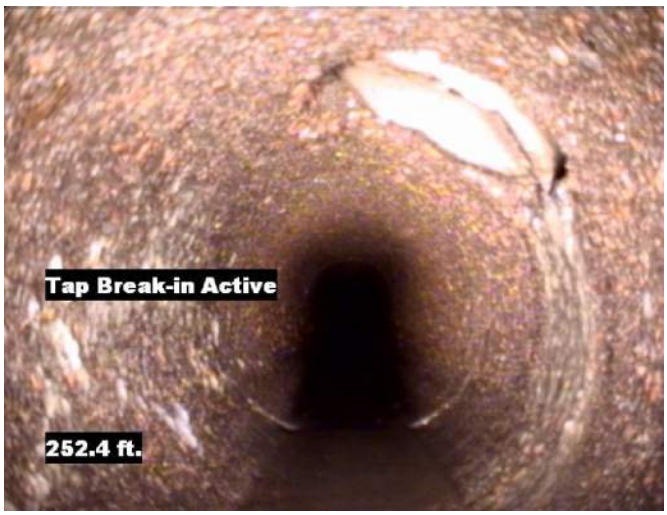
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
27	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-32			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-5	**348.3**		**8**	**8**		

Distance: 199.3 ft. **Grade:** 0
Condition: Tap Saddle Active
Remarks: N/A



Distance: 200.8 ft. **Grade:** 4
Condition: Fracture Multiple
Remarks: N/A



Distance: 252.4 ft. **Grade:** 0
Condition: Tap Break-in Active
Remarks: N/A

Distance: 293.6 ft. **Grade:** 0
Condition: Tap Break-in Active
Remarks: N/A

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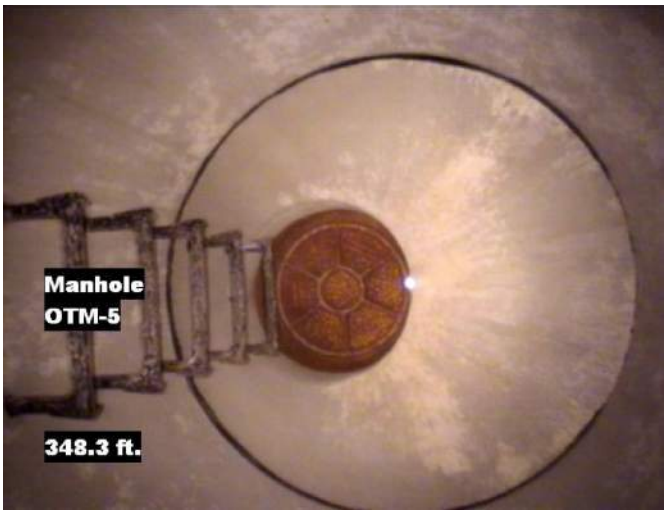
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
27	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-32			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-5	**348.3**		**8**	**8**		

Distance: 344.7 ft. **Grade:** 0
Condition: Material Change
Remarks: PVC



Distance: 348.3 ft. **Grade:** 0
Condition: Manhole
Remarks: OTM-5

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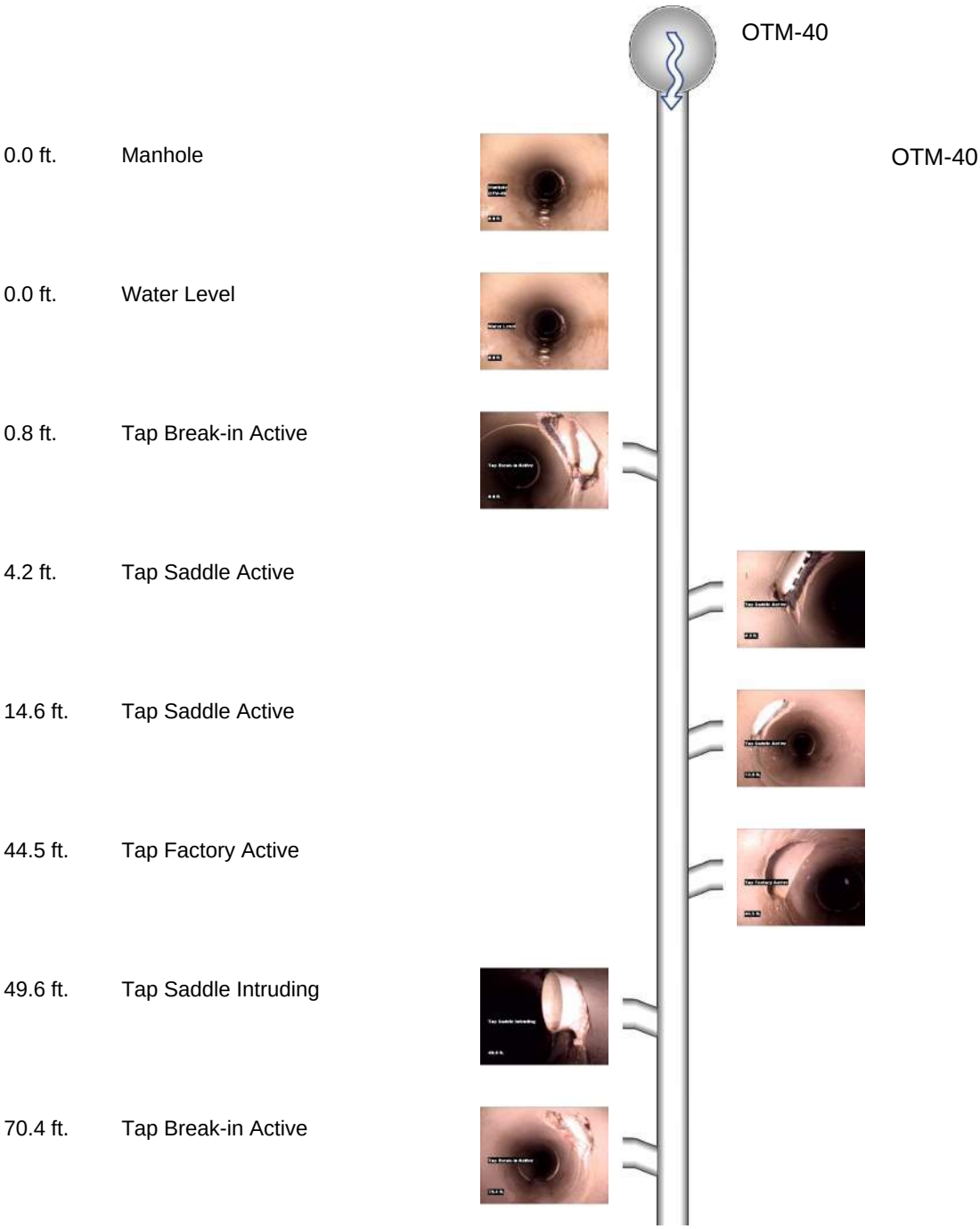
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
20	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-40			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-39	**276.5**		**8**	**8**		

SPR **5**	MPR **12**	PO Number		Customer	
SPRI **5**	MPRI **2.4**	Work Order		Purpose	
QSR **5100**	QMR **4124**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date		Media label
17	**Tom**	**Downstream**	**20150901**		**2015**
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
2.8	**U-109-7985**	**Jetting**	**10:15**	**Dry**	
Date Cleaned			End Time	Additional Info	
			10:29		



0.0 ft. Manhole

0.0 ft. Water Level

0.8 ft. Tap Break-in Active

4.2 ft. Tap Saddle Active

14.6 ft. Tap Saddle Active

44.5 ft. Tap Factory Active

49.6 ft. Tap Saddle Intruding

70.4 ft. Tap Break-in Active

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Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
20	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-40			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-39	**276.5**		**8**	**8**		

SPR **5**	MPR **12**	PO Number		Customer	
SPRI **5**	MPRI **2.4**	Work Order		Purpose	
QSR **5100**	QMR **4124**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
17	**Tom**	**Downstream**	**20150901**	**2015**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
2.8	**U-109-7985**	**Jetting**	**10:15**	**Dry**	
Date Cleaned			End Time	Additional Info	
			10:29		

122.9 ft. Tap Saddle Intruding

135.2 ft. Tap Break-in Active

143.3 ft. Tap Break-in Active

190.3 ft. Tap Break-in Intruding

190.8 ft. Broken Pipe Void Visible

199.4 ft. Tap Break-in Intruding

249.5 ft. Tap Break-in Active

274.6 ft. Infiltration Runner

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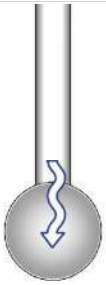
Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
20	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-40			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-39	**276.5**		**8**	**8**		

SPR **5**	MPR **12**	PO Number		Customer	
SPRI **5**	MPRI **2.4**	Work Order		Purpose	
QSR **5100**	QMR **4124**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
17	**Tom**	**Downstream**	**20150901**	**2015**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
2.8	**U-109-7985**	**Jetting**	**10:15**	**Dry**	
Date Cleaned			End Time	Additional Info	
			10:29		

276.5 ft. Manhole

OTM-39



OTM-39

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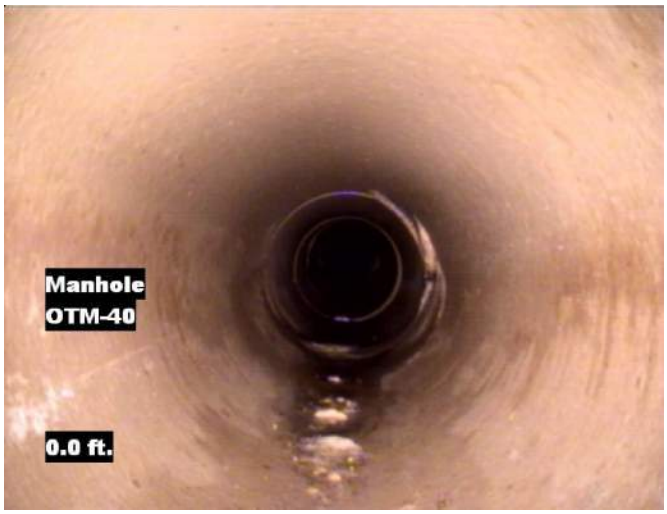
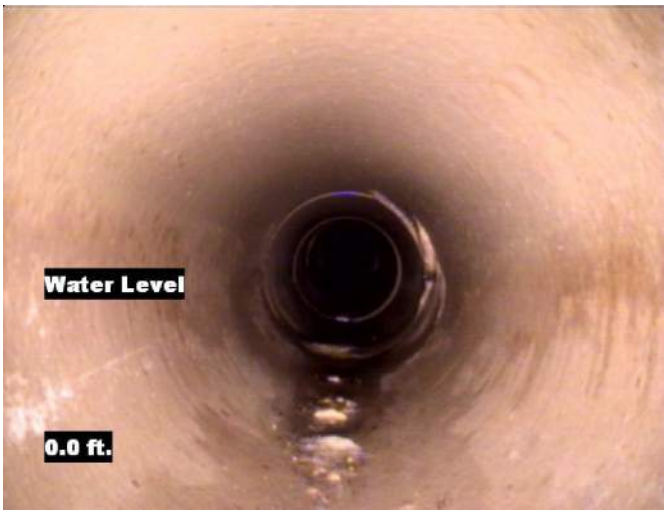
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
20	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-40			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-39	**276.5**		**8**	**8**		



Distance: 0.0 ft. **Grade:** 0
Condition: Manhole
Remarks: OTM-40



Distance: 0.0 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A

Distance: 0.8 ft. **Grade:** 0
Condition: Tap Break-in Active
Remarks: N/A

Distance: 4.2 ft. **Grade:** 0
Condition: Tap Saddle Active
Remarks: N/A

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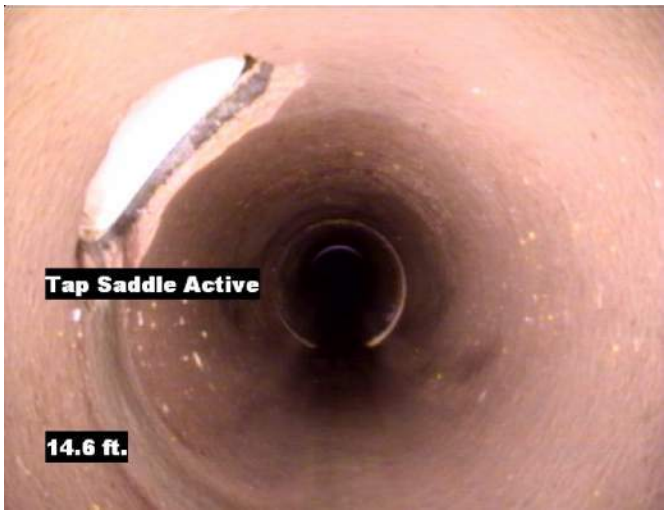
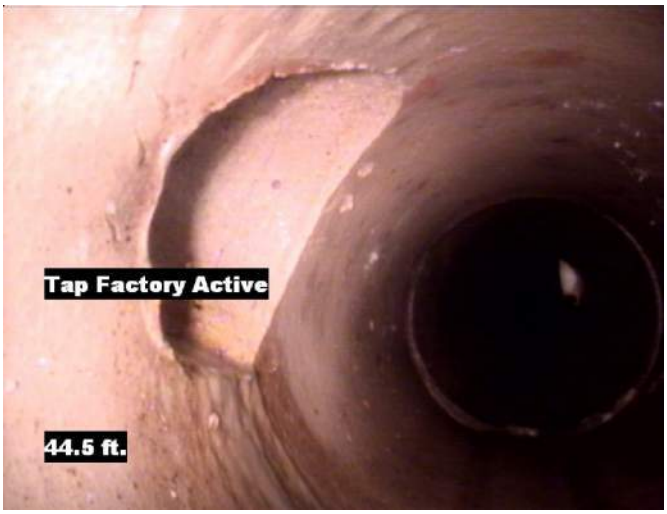
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
20	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-40			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-39	**276.5**		**8**	**8**		

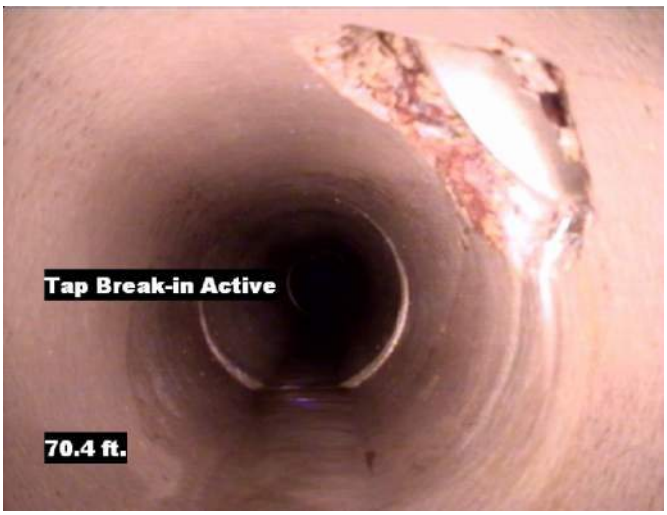


Distance: 14.6 ft. **Grade:** 0
Condition: Tap Saddle Active
Remarks: N/A



Distance: 44.5 ft. **Grade:** 0
Condition: Tap Factory Active
Remarks: N/A

Distance: 49.6 ft. **Grade:** 2
Condition: Tap Saddle Intruding
Remarks: N/A



Distance: 70.4 ft. **Grade:** 0
Condition: Tap Break-in Active
Remarks: N/A

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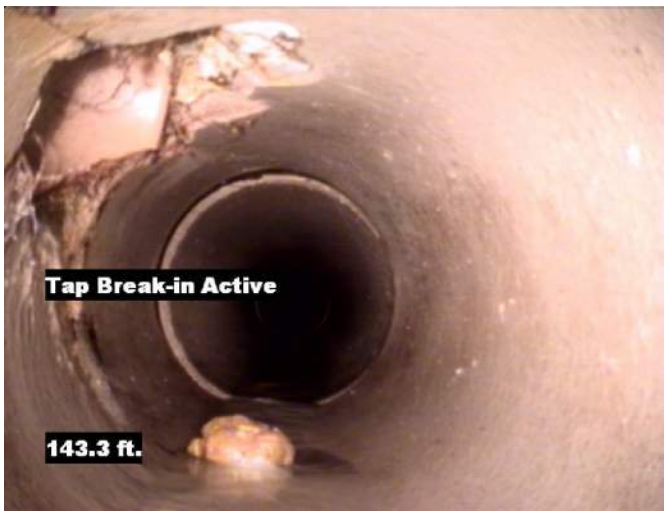
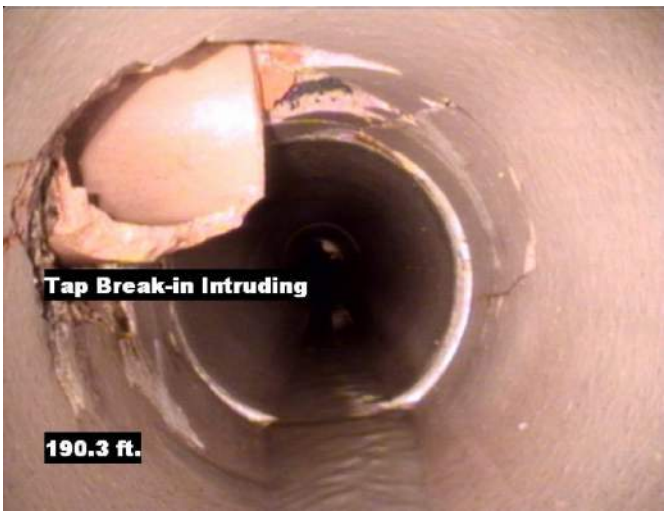
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
20	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-40			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-39	**276.5**		**8**	**8**		

Distance: 122.9 ft. **Grade:** 2
Condition: Tap Saddle Intruding
Remarks: N/A

Distance: 135.2 ft. **Grade:** 0
Condition: Tap Break-in Active
Remarks: N/A



Distance: 143.3 ft. **Grade:** 0
Condition: Tap Break-in Active
Remarks: N/A



Distance: 190.3 ft. **Grade:** 2
Condition: Tap Break-in Intruding
Remarks: N/A

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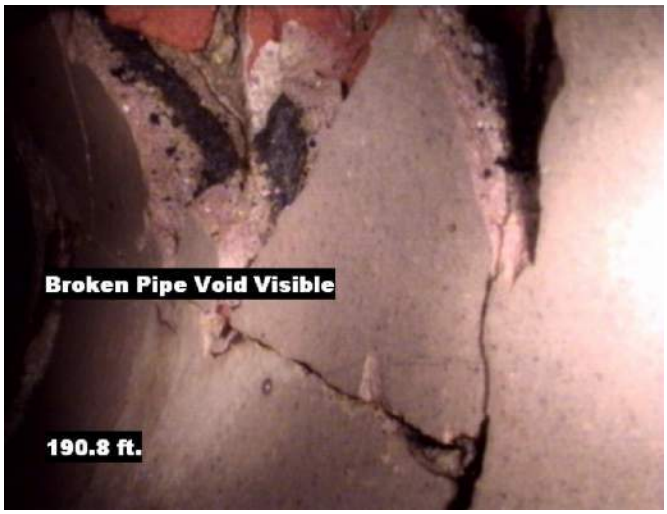
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
20	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-40			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-39	**276.5**		**8**	**8**		



Distance: 190.8 ft. **Grade:** 5
Condition: Broken Pipe Void Visible
Remarks: N/A

Distance: 199.4 ft. **Grade:** 2
Condition: Tap Break-in Intruding
Remarks: N/A

Distance: 249.5 ft. **Grade:** 0
Condition: Tap Break-in Active
Remarks: N/A

Distance: 274.6 ft. **Grade:** 4
Condition: Infiltration Runner
Remarks: N/A

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Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
20	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-40			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-39	**276.5**		**8**	**8**		

Distance: 276.5 ft. **Grade:** 0
Condition: Manhole
Remarks: OTM-39

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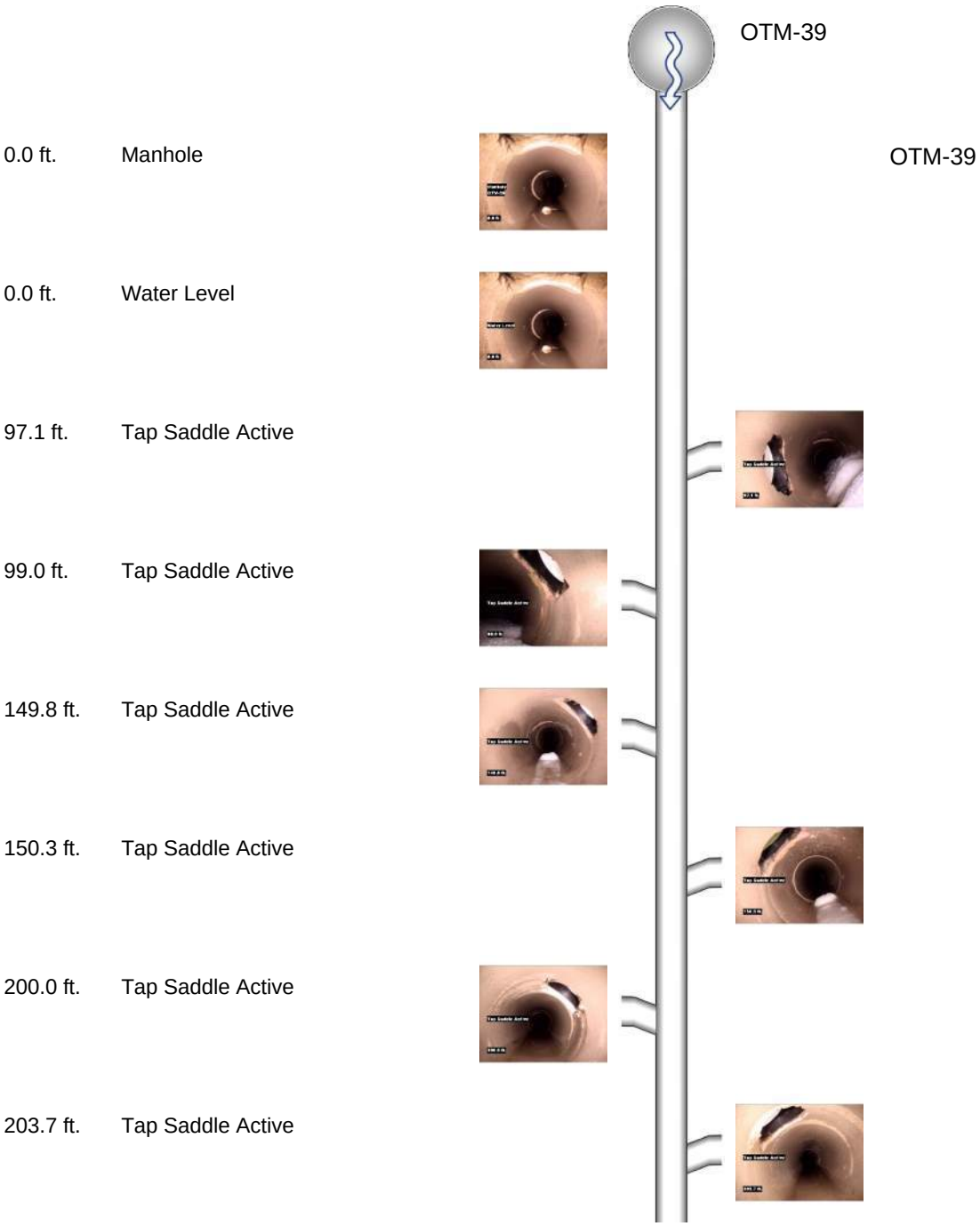
Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
21	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-39			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-3	**382.3**		**8**	**8**		

SPR	**N/A**	MPR	**N/A**	PO Number	Customer
SPRI	**N/A**	MPRI	**N/A**		
QSR	**N/A**	QMR	**N/A**	Work Order	Purpose
					Routine Assessment

OPR	Surveyed By	Direction	Date	Media label
N/A	**Tom**	**Downstream**	**20150901**	**2015**
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
N/A	**U-109-7985**	**Jetting**	**10:30**	**Dry**
Date Cleaned			End Time	Additional Info
			10:43	



0.0 ft. Manhole

0.0 ft. Water Level

97.1 ft. Tap Saddle Active

99.0 ft. Tap Saddle Active

149.8 ft. Tap Saddle Active

150.3 ft. Tap Saddle Active

200.0 ft. Tap Saddle Active

203.7 ft. Tap Saddle Active

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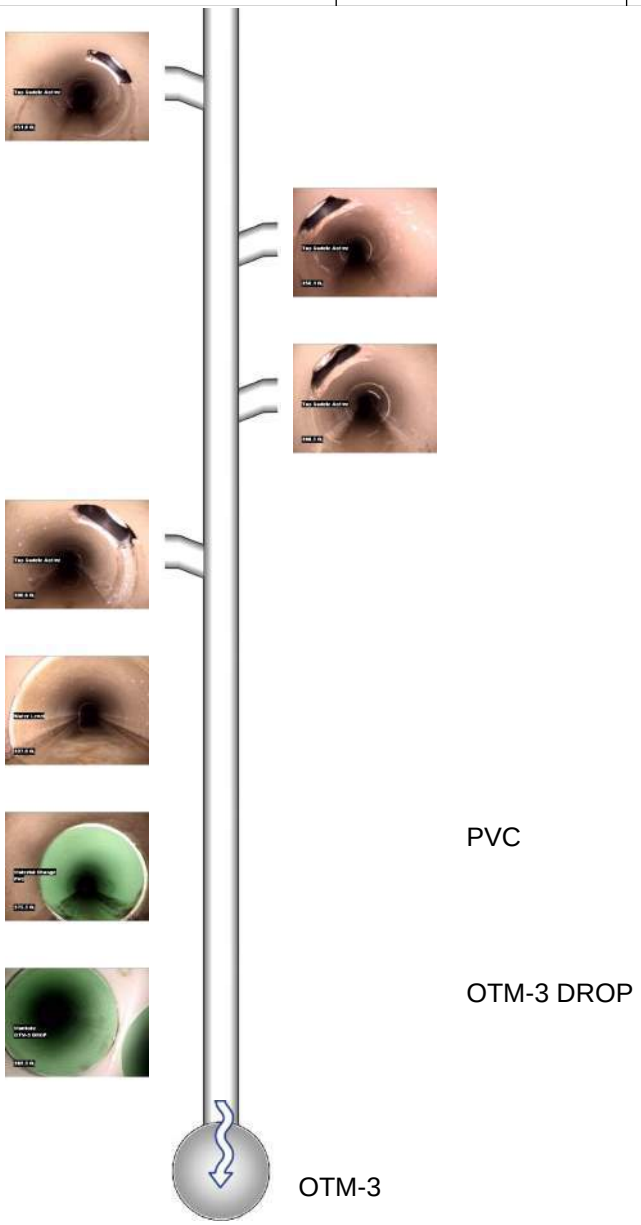
Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
21	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-39			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-3	**382.3**		**8**	**8**		

SPR **N/A**	MPR **N/A**	PO Number		Customer	
SPRI **N/A**	MPRI **N/A**	Work Order		Purpose	
QSR **N/A**	QMR **N/A**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
N/A	**Tom**	**Downstream**	**20150901**	**2015**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
N/A	**U-109-7985**	**Jetting**	**10:30**	**Dry**	
Date Cleaned			End Time	Additional Info	
			10:43		



251.8 ft. Tap Saddle Active

256.1 ft. Tap Saddle Active

298.5 ft. Tap Saddle Active

300.9 ft. Tap Saddle Active

327.0 ft. Water Level

375.5 ft. Material Change — PVC

382.3 ft. Manhole — OTM-3 DROP

OTM-3

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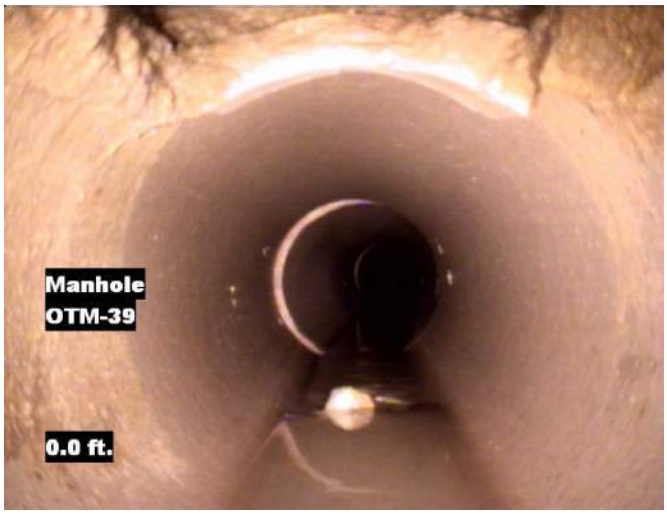
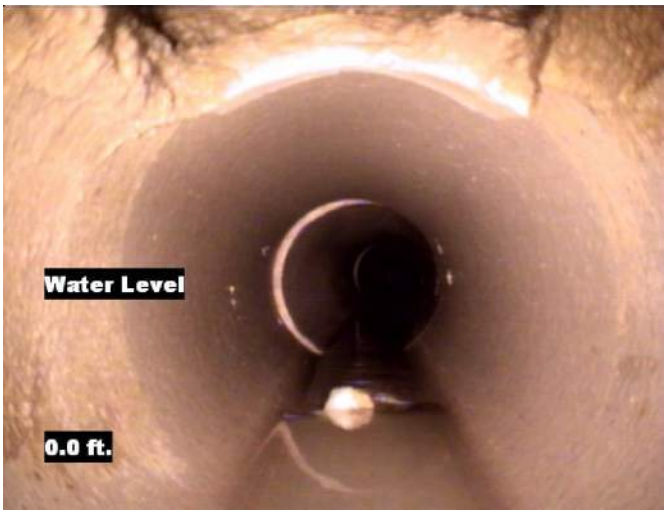
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
21	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-39			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-3	**382.3**		**8**	**8**		



Distance: 0.0 ft. **Grade:** 0
Condition: Manhole
Remarks: OTM-39



Distance: 0.0 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A

Distance: 97.1 ft. **Grade:** 0
Condition: Tap Saddle Active
Remarks: N/A

Distance: 99.0 ft. **Grade:** 0
Condition: Tap Saddle Active
Remarks: N/A

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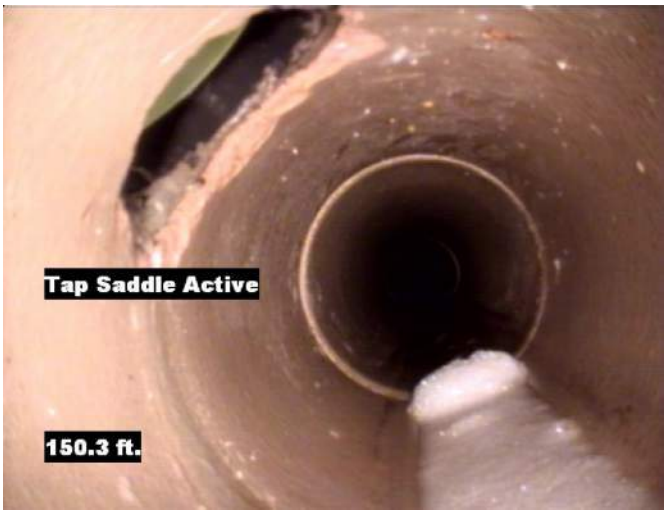
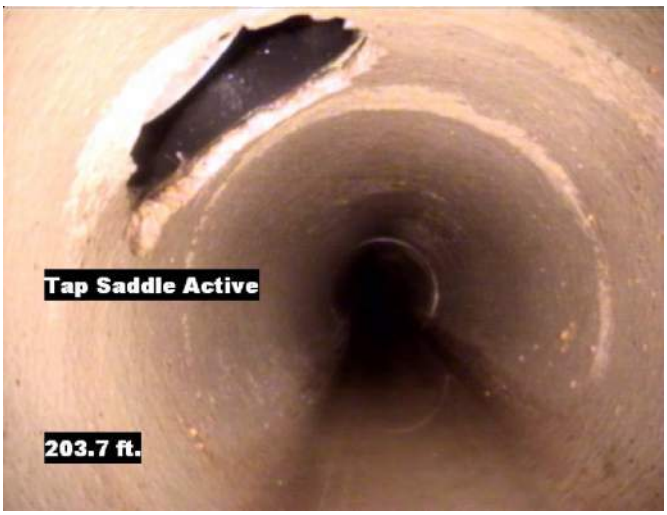
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
21	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-39			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-3	**382.3**		**8**	**8**		

Distance: 149.8 ft. **Grade:** 0
Condition: Tap Saddle Active
Remarks: N/A



Distance: 150.3 ft. **Grade:** 0
Condition: Tap Saddle Active
Remarks: N/A

Distance: 200.0 ft. **Grade:** 0
Condition: Tap Saddle Active
Remarks: N/A



Distance: 203.7 ft. **Grade:** 0
Condition: Tap Saddle Active
Remarks: N/A

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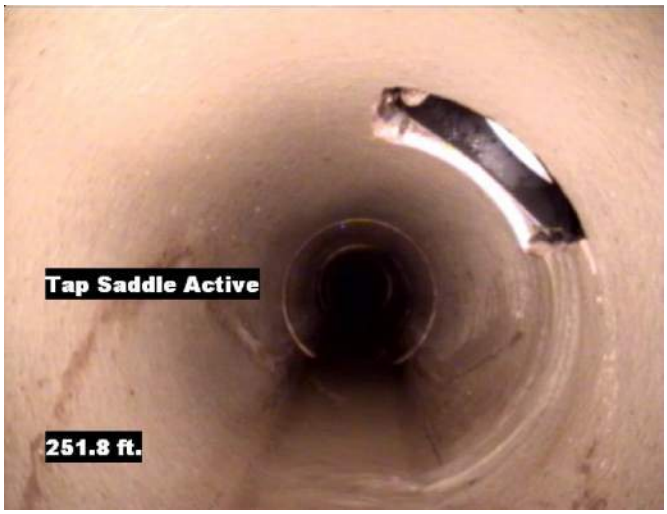
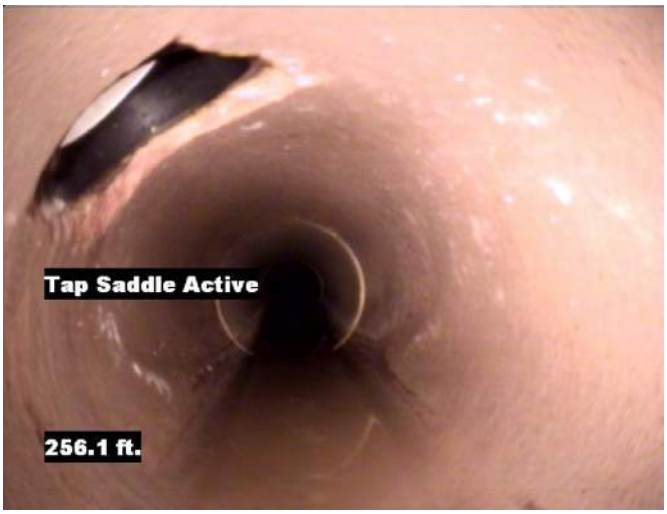
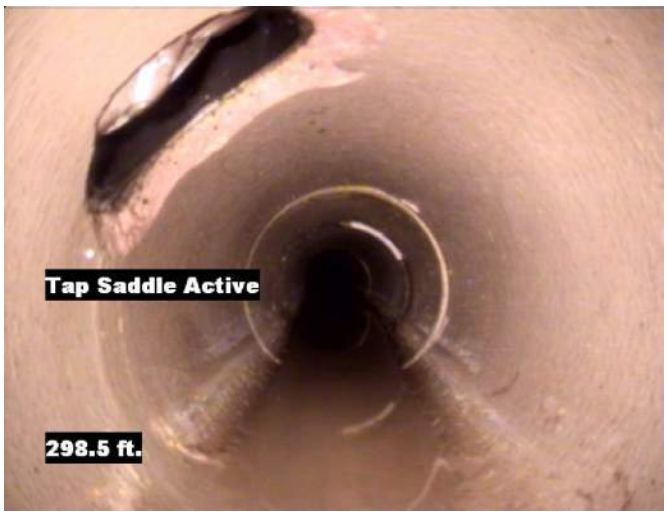
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
21	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-39			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-3	**382.3**		**8**	**8**		



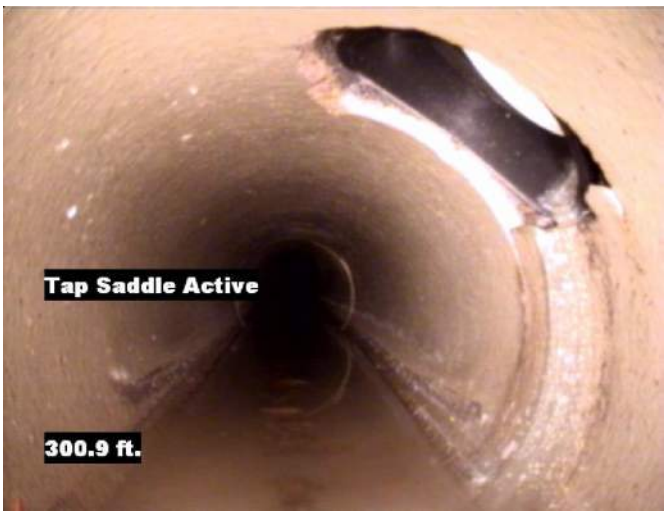
Distance: 251.8 ft. **Grade:** 0
Condition: Tap Saddle Active
Remarks: N/A



Distance: 256.1 ft. **Grade:** 0
Condition: Tap Saddle Active
Remarks: N/A



Distance: 298.5 ft. **Grade:** 0
Condition: Tap Saddle Active
Remarks: N/A



Distance: 300.9 ft. **Grade:** 0
Condition: Tap Saddle Active
Remarks: N/A

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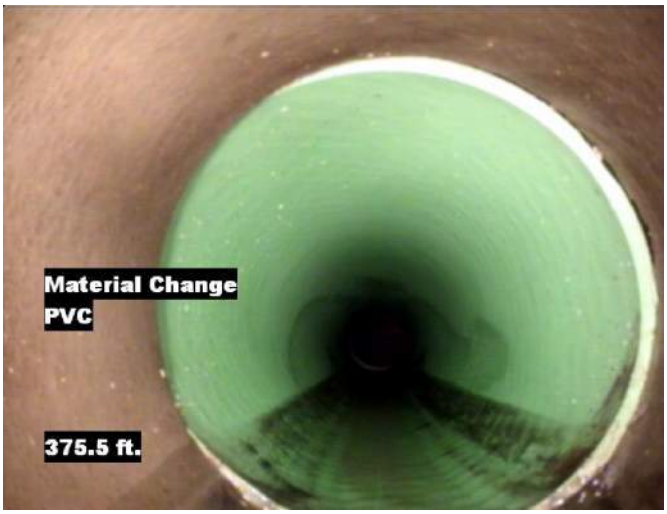
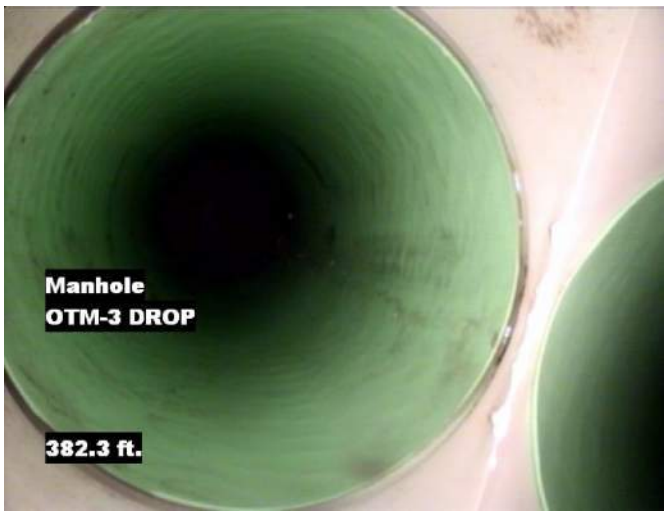
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
21	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-39			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-3	**382.3**		**8**	**8**		

Distance: 327.0 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A



Distance: 375.5 ft. **Grade:** 0
Condition: Material Change
Remarks: PVC



Distance: 382.3 ft. **Grade:** 0
Condition: Manhole
Remarks: OTM-3 DROP

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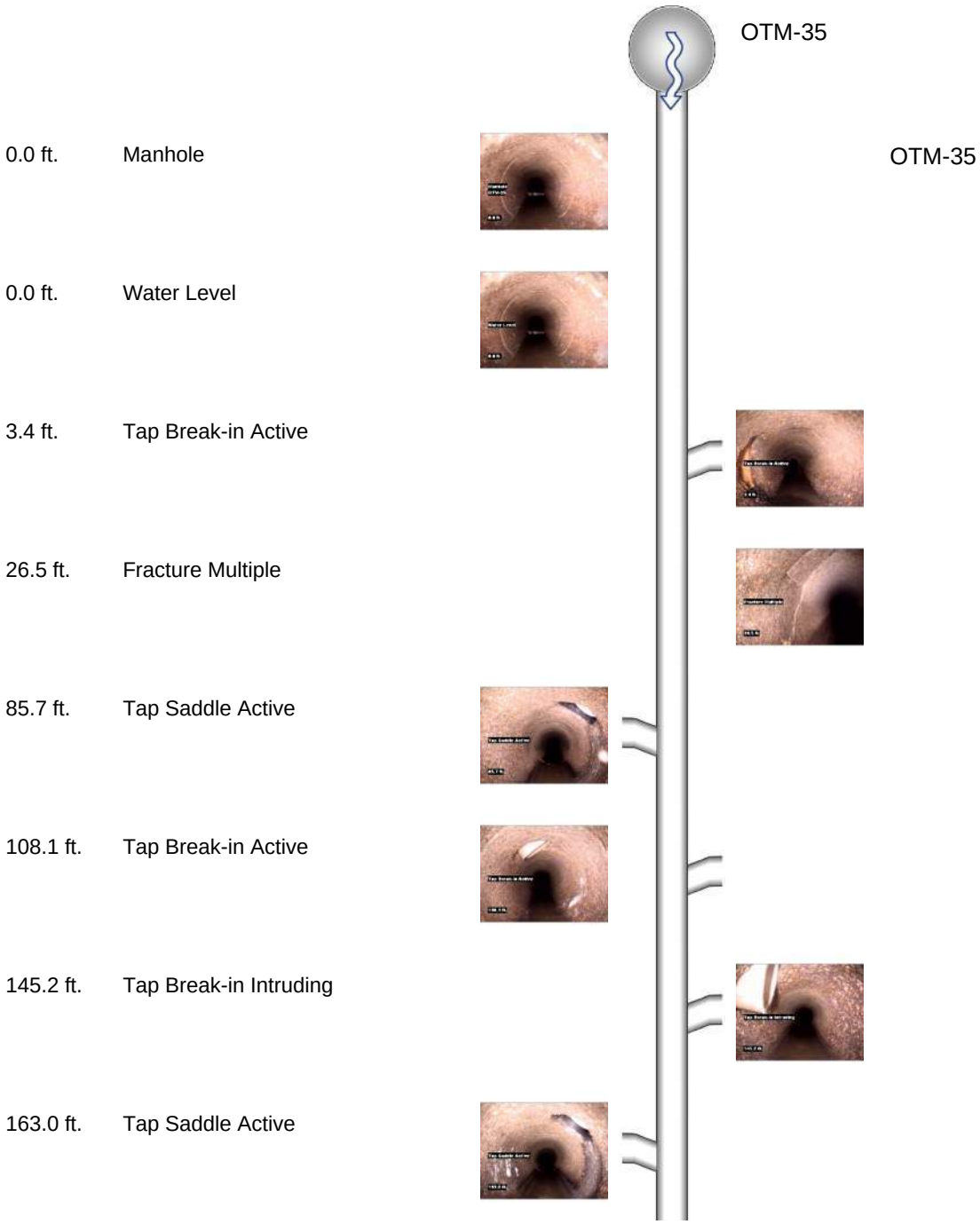
Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
19	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-35			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-4	**388.8**		**8**	**8**		

SPR **6**	MPR **2**	PO Number		Customer	
SPRI **3**	MPRI **2**	Work Order		Purpose	
QSR **4121**	QMR **2100**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date		Media label
8	**Tom**	**Downstream**	**20150901**		**2015**
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
2.7	**U-109-7985**	**Jetting**	**09:50**	**Dry**	
Date Cleaned			End Time	Additional Info	
			10:03		



0.0 ft. Manhole

0.0 ft. Water Level

3.4 ft. Tap Break-in Active

26.5 ft. Fracture Multiple

85.7 ft. Tap Saddle Active

108.1 ft. Tap Break-in Active

145.2 ft. Tap Break-in Intruding

163.0 ft. Tap Saddle Active

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Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
19	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-35			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-4	**388.8**		**8**	**8**		

SPR **6**	MPR **2**	PO Number		Customer	
SPRI **3**	MPRI **2**	Work Order		Purpose	
QSR **4121**	QMR **2100**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
8	**Tom**	**Downstream**	**20150901**	**2015**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
2.7	**U-109-7985**	**Jetting**	**09:50**	**Dry**	
Date Cleaned			End Time	Additional Info	
			10:03		

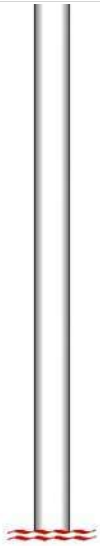
386.8 ft. Material Change

PVC

388.8 ft. Joint Offset Large

388.8 ft. Survey Abandoned

OFFSET JOINT



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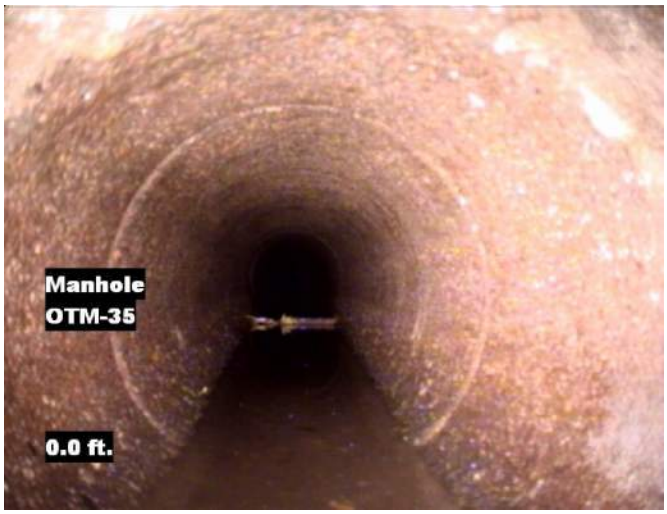
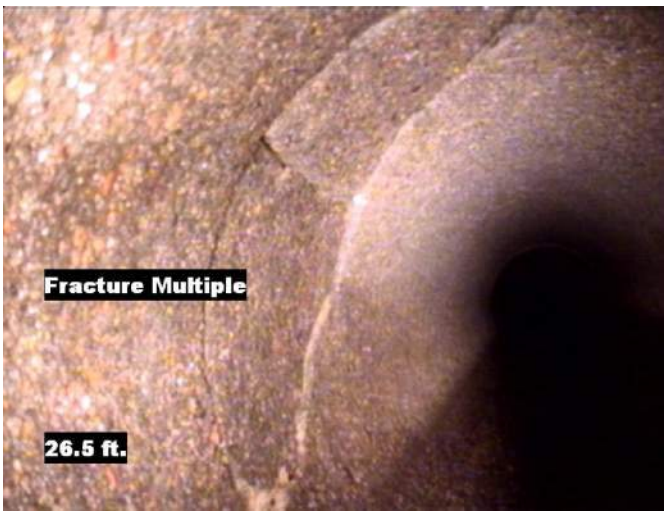
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
19	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-35			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-4	**388.8**		**8**	**8**		



Distance: 0.0 ft. **Grade:** 0
Condition: Manhole
Remarks: OTM-35

Distance: 0.0 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A

Distance: 3.4 ft. **Grade:** 0
Condition: Tap Break-in Active
Remarks: N/A



Distance: 26.5 ft. **Grade:** 4
Condition: Fracture Multiple
Remarks: N/A

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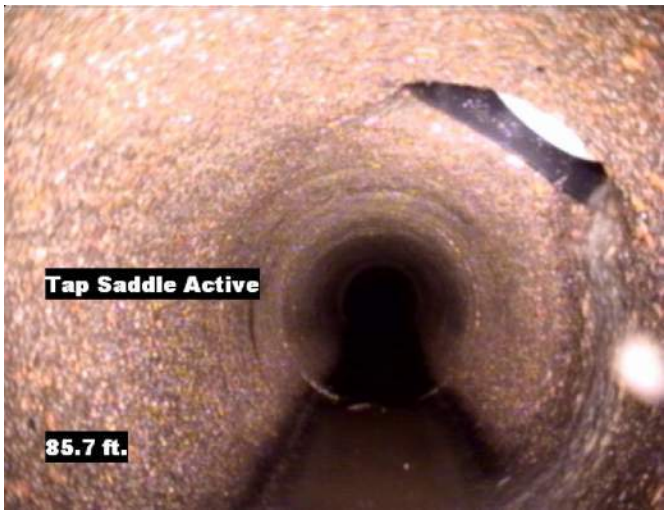
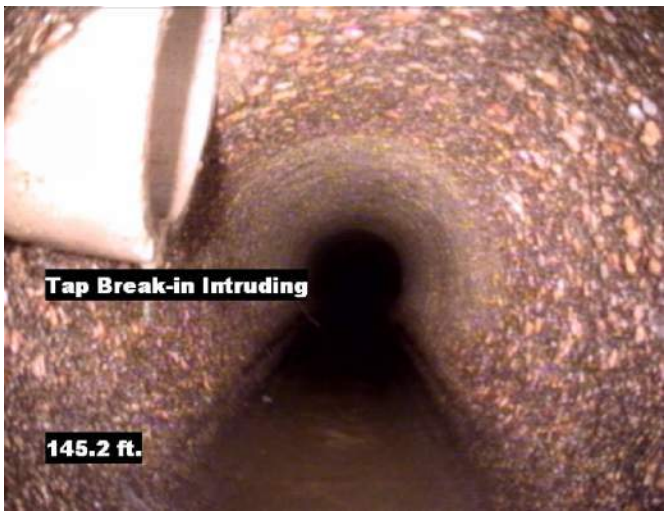
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
19	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-35			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-4	**388.8**		**8**	**8**		

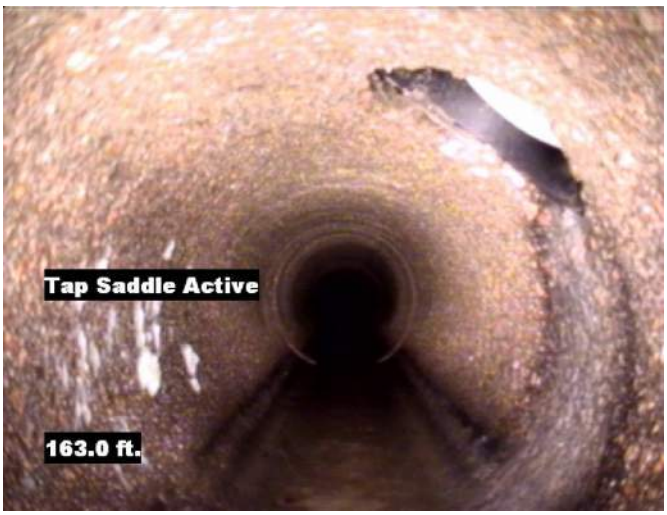


Distance: 85.7 ft. **Grade:** 0
Condition: Tap Saddle Active
Remarks: N/A

Distance: 108.1 ft. **Grade:** 0
Condition: Tap Break-in Active
Remarks: N/A



Distance: 145.2 ft. **Grade:** 2
Condition: Tap Break-in Intruding
Remarks: N/A



Distance: 163.0 ft. **Grade:** 0
Condition: Tap Saddle Active
Remarks: N/A

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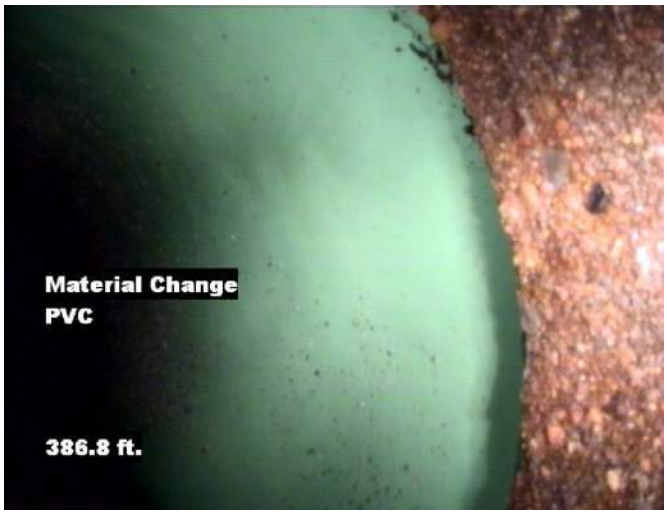
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
19	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-35			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-4	**388.8**		**8**	**8**		



Distance: 386.8 ft. **Grade:** 0
Condition: Material Change
Remarks: PVC

Distance: 388.8 ft. **Grade:** 2
Condition: Joint Offset Large
Remarks: N/A

Distance: 388.8 ft. **Grade:** 0
Condition: Survey Abandoned
Remarks: OFFSET JOINT

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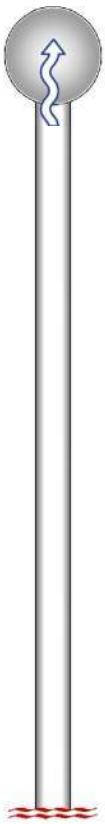
Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
19	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-35			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-4	**11.9**		**8**	**8**		

SPR **2**	MPR **N/A**	PO Number		Customer	
SPRI **2**	MPRI **N/A**	Work Order		Purpose	
QSR **2100**	QMR **N/A**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
2	**Tom**	**Upstream**	**20150901**	**2015**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
2	**U-109-7985**	**Jetting**	**10:56**	**Dry**	
Date Cleaned			End Time	Additional Info	
			10:57		



0.0 ft. Manhole

OTM-4

0.0 ft. Water Level

10.7 ft. Joint Offset Large

11.9 ft. Survey Abandoned

OFFSET JOINT

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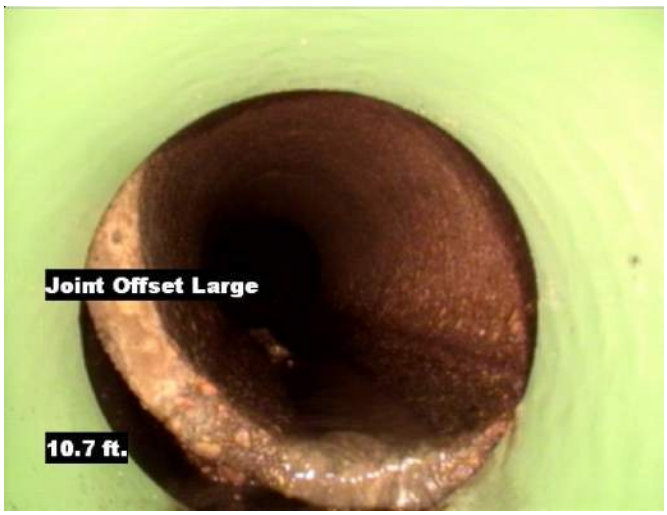
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
19	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-35			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-4	**11.9**		**8**	**8**		

Distance: 0.0 ft. **Grade:** 0
Condition: Manhole
Remarks: OTM-4

Distance: 0.0 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A



Distance: 10.7 ft. **Grade:** 2
Condition: Joint Offset Large
Remarks: N/A

Distance: 11.9 ft. **Grade:** 0
Condition: Survey Abandoned
Remarks: OFFSET JOINT

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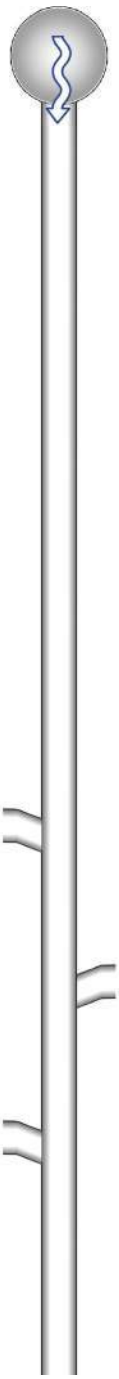
Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
18	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-36			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-35	**334.7**		**8**	**8**		

SPR **5**	MPR **10**	PO Number		Customer	
SPRI **5**	MPRI **3.3**	Work Order		Purpose	
QSR **5100**	QMR **4132**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
15	**Tom**	**Downstream**	**20150901**	**2015**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
3.8	**U-109-7985**	**Jetting**	**09:22**	**Dry**	
Date Cleaned			End Time	Additional Info	
			09:36		



0.0 ft. Manhole

OTM-36

0.0 ft. Water Level

56.8 ft. Material Change

PVC

61.0 ft. Material Change

CONCRETE

65.0 ft. Tap Saddle Active

104.3 ft. Tap Break-in Active

154.3 ft. Tap Break-in Active

154.6 ft. Roots Medium Connection

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Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
18	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-36			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-35	**334.7**		**8**	**8**		

SPR **5**	MPR **10**	PO Number		Customer	
SPRI **5**	MPRI **3.3**	Work Order		Purpose	
QSR **5100**	QMR **4132**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
15	**Tom**	**Downstream**	**20150901**	**2015**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
3.8	**U-109-7985**	**Jetting**	**09:22**	**Dry**	
Date Cleaned			End Time	Additional Info	
			09:36		

203.2 ft. Tap Break-in Active

203.7 ft. Roots Ball Lateral

244.5 ft. Tap Break-in Active

297.2 ft. Tap Break-in Active

317.9 ft. Tap Break-in Active

317.9 ft. Roots Medium Connection

333.4 ft. Hole Soil Visible

334.7 ft. Survey Abandoned

INTRUDING BROKEN PIPE

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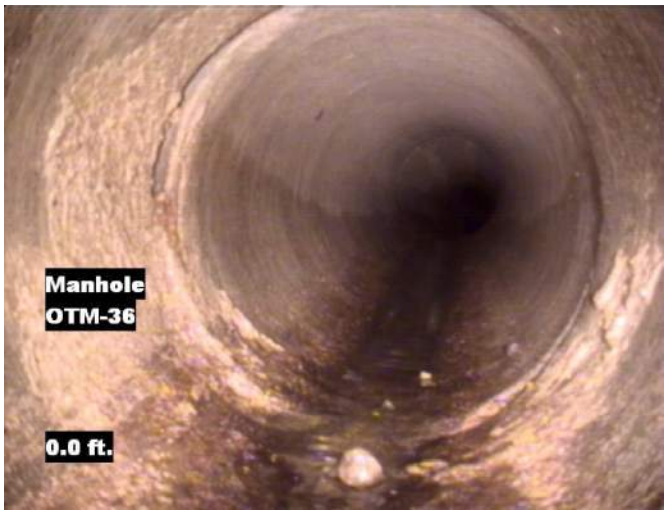
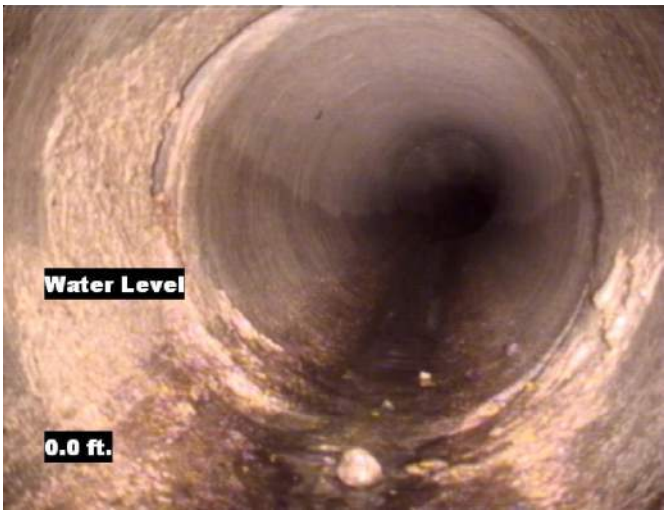
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
18	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-36			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-35	**334.7**		**8**	**8**		

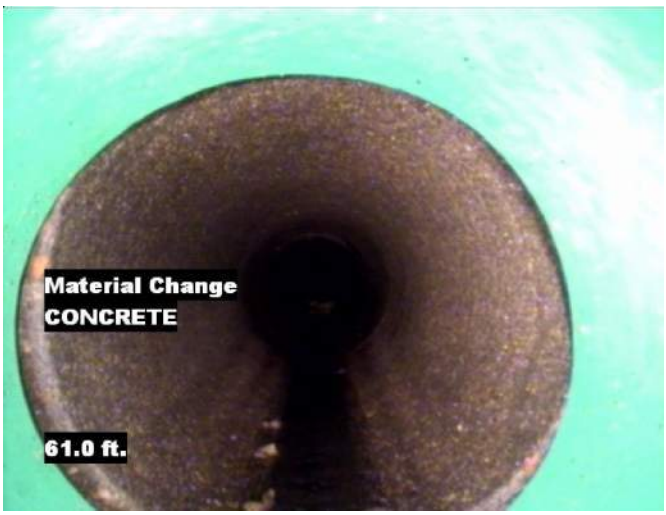


Distance: 0.0 ft. **Grade:** 0
Condition: Manhole
Remarks: OTM-36



Distance: 0.0 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A

Distance: 56.8 ft. **Grade:** 0
Condition: Material Change
Remarks: PVC



Distance: 61.0 ft. **Grade:** 0
Condition: Material Change
Remarks: CONCRETE

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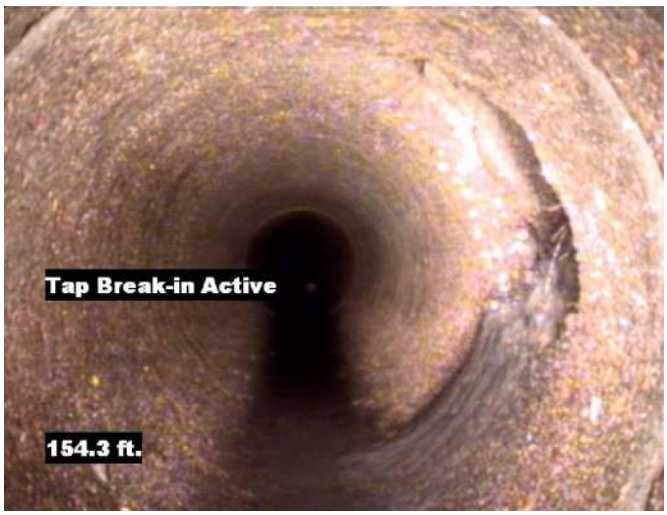
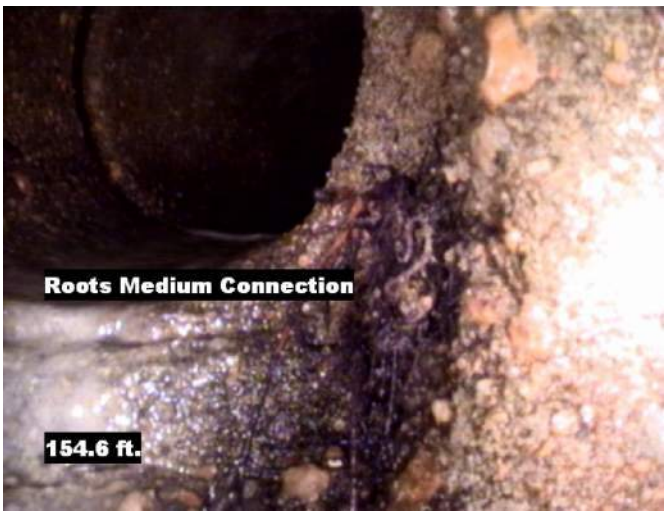
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
18	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-36			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-35	**334.7**		**8**	**8**		

Distance: 65.0 ft. **Grade:** 0
Condition: Tap Saddle Active
Remarks: N/A

Distance: 104.3 ft. **Grade:** 0
Condition: Tap Break-in Active
Remarks: N/A



Distance: 154.3 ft. **Grade:** 0
Condition: Tap Break-in Active
Remarks: N/A



Distance: 154.6 ft. **Grade:** 3
Condition: Roots Medium Connection
Remarks: N/A

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Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
18	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-36			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-35	**334.7**		**8**	**8**		

Distance: 203.2 ft. **Grade:** 0
Condition: Tap Break-in Active
Remarks: N/A

Distance: 203.7 ft. **Grade:** 4
Condition: Roots Ball Lateral
Remarks: N/A

Distance: 244.5 ft. **Grade:** 0
Condition: Tap Break-in Active
Remarks: N/A

Distance: 297.2 ft. **Grade:** 0
Condition: Tap Break-in Active
Remarks: N/A

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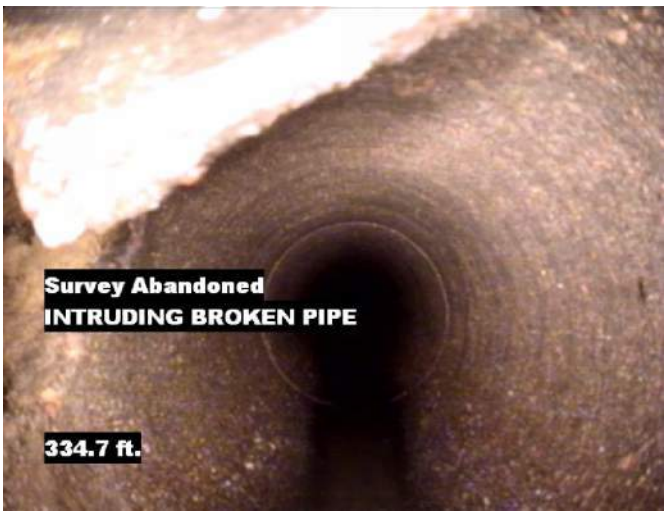
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
18	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-36			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-35	**334.7**		**8**	**8**		

Distance: 317.9 ft. **Grade:** 0
Condition: Tap Break-in Active
Remarks: N/A

Distance: 317.9 ft. **Grade:** 3
Condition: Roots Medium Connection
Remarks: N/A

Distance: 333.4 ft. **Grade:** 5
Condition: Hole Soil Visible
Remarks: N/A



Distance: 334.7 ft. **Grade:** 0
Condition: Survey Abandoned
Remarks: INTRUDING BROKEN PIPE

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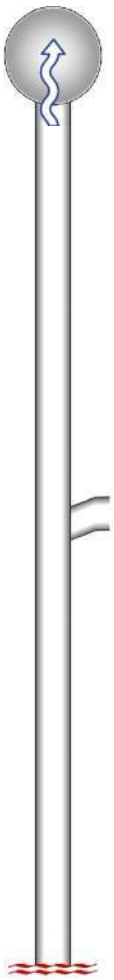
Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
18	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-36			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-35	**20.1**		**8**	**8**		

SPR **5**	MPR **N/A**	PO Number		Customer	
SPRI **5**	MPRI **N/A**	Work Order		Purpose	
QSR **5100**	QMR **N/A**			**Reversal**	
OPR	Surveyed By	Direction	Date	Media label	
5	**Tom**	**Upstream**	**20150901**	**2015**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
5	**U-109-7985**	**Jetting**	**09:45**	**Dry**	
Date Cleaned			End Time	Additional Info	
			09:48		



0.0 ft.	Manhole		OTM-35
0.0 ft.	Water Level		
8.2 ft.	Tap Break-in Active		
20.1 ft.	Hole Soil Visible		ANCHOR
20.1 ft.	Survey Abandoned		INTRUDING BROKEN PIPE

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Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
18	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-36			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-35	**20.1**		**8**	**8**		

Distance: 0.0 ft. **Grade:** 0
Condition: Manhole
Remarks: OTM-35

Distance: 0.0 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A

Distance: 8.2 ft. **Grade:** 0
Condition: Tap Break-in Active
Remarks: N/A

Distance: 20.1 ft. **Grade:** 5
Condition: Hole Soil Visible
Remarks: ANCHOR

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Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
18	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-36			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-35	**20.1**		**8**	**8**		

Distance: 20.1 ft. **Grade:** 0
Condition: Survey Abandoned
Remarks: INTRUDING BROKEN PIPE

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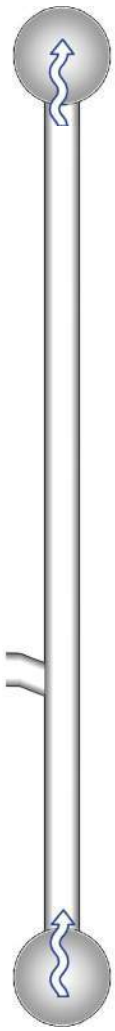
Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
16	**MEAD**	**3RD ST**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-38			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-37	**318.4**		**8**	**8**		

SPR	**N/A**	MPR	**N/A**	PO Number	Customer
SPRI	**N/A**	MPRI	**N/A**		
QSR	**N/A**	QMR	**N/A**	Work Order	Purpose
					Routine Assessment

OPR	Surveyed By	Direction	Date	Media label
N/A	**Tom**	**Upstream**	**20150901**	**2015**
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
N/A	**U-109-7985**	**Jetting**	**08:59**	**Dry**
	Date Cleaned		End Time	Additional Info
			09:07	



0.0 ft. Manhole

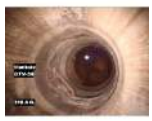
OTM-37

0.0 ft. Water Level

31.4 ft. Water Level

118.4 ft. Tap Saddle Active

318.4 ft. Manhole



OTM-38

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Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
16	**MEAD**	**3RD ST**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-38			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-37	**318.4**		**8**	**8**		

Distance: 0.0 ft. **Grade:** 0
Condition: Manhole
Remarks: OTM-37

Distance: 0.0 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A

Distance: 31.4 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A

Distance: 118.4 ft. **Grade:** 0
Condition: Tap Saddle Active
Remarks: N/A

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Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
16	**MEAD**	**3RD ST**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-38			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-37	**318.4**		**8**	**8**		

Distance:	318.4 ft.	**Grade:**	0
Condition:	Manhole		
Remarks:	OTM-38		

InspectIT
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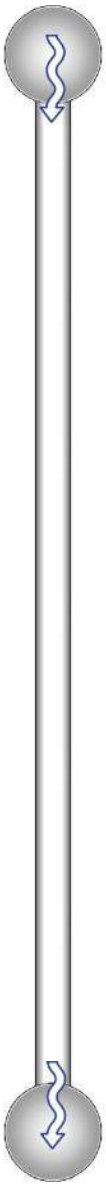
505-341-0109

Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
MII-23	**MEAD**	**EASEMENT**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
MII-23			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-24	**261.5**		**12**	**12**		

SPR **N/A**	MPR **N/A**	PO Number		Customer	
SPRI **N/A**	MPRI **N/A**	Work Order		Purpose	
QSR **N/A**	QMR **N/A**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
N/A	**Tom**	**Downstream**	**20121016**	**2012**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
N/A	**U-109-7985**	**Jetting**	**11:14**	**Dry**	
Date Cleaned			End Time	Additional Info	
			11:23		



0.0 ft. Access Point Manhole

MII-23

0.0 ft. Water Level

0.0 ft. Surface Other Unknown

INVERT ROUGH

18.8 ft. Water Level

99.3 ft. Water Level

261.5 ft. Access Point Manhole

MII-24

InspectIT
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Albuquerque, NM
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Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
MII-23	**MEAD**	**EASEMENT**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
MII-23			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-24	**261.5**		**12**	**12**		

Distance: 0.0 ft. **Grade:** N/A
Condition: Access Point Manhole
Remarks: MII-23

Distance: 0.0 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A

Distance: 0.0 ft. **Grade:** N/A
Condition: Surface Other Unknown
Remarks: INVERT ROUGH

Distance: 18.8 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A

InspectIT
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Albuquerque, NM
505-341-0109

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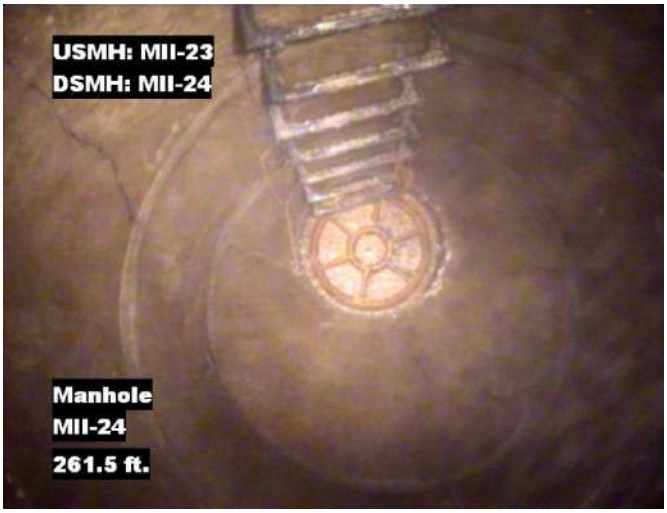
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
MII-23	**MEAD**	**EASEMENT**	**PolyVinyl Chloride**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
MII-23			**Circular**			
DS Manhole	Length surveyed	Year Renew...	Height	Width	Pipe Joint...	
MII-24	**261.5**		**12**	**12**		

Distance: 99.3 ft. **Grade:** N/A
Condition: Water Level
Remarks: N/A



Distance: 261.5 ft. **Grade:** N/A
Condition: Access Point Manhole
Remarks: MII-24

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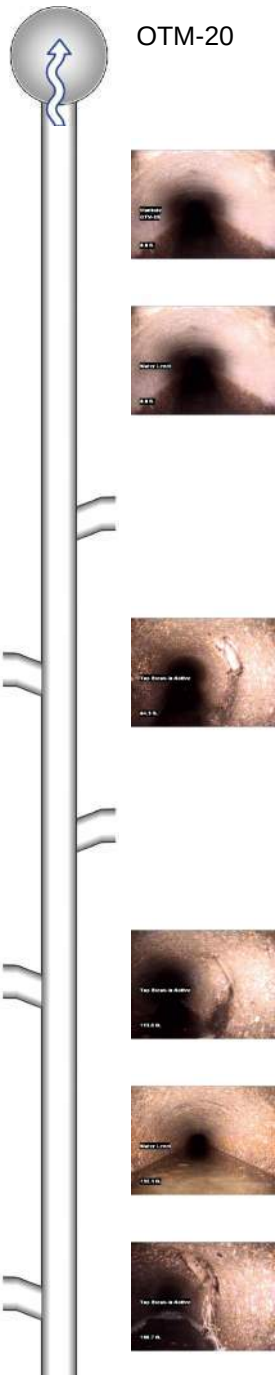
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
14	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-21			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-20	**218**		**8**	**8**		

SPR **N/A**	MPR **3**	PO Number		Customer	
SPRI **N/A**	MPRI **3**	Work Order		Purpose	
QSR **N/A**	QMR **3100**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
3	**Tom**	**Upstream**	**20150901**	**2015**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
3	**U-109-7985**	**Jetting**	**08:16**	**Dry**	
Date Cleaned			End Time	Additional Info	
			08:27		



0.0 ft. Manhole

OTM-20

0.0 ft. Water Level

50.8 ft. Tap Break-in Active

64.3 ft. Tap Break-in Active

92.9 ft. Tap Break-in Active

113.0 ft. Tap Break-in Active

132.1 ft. Water Level

166.7 ft. Tap Break-in Active

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Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
14	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-21			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-20	**218**		**8**	**8**		

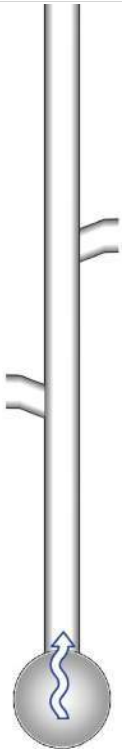
SPR **N/A**	MPR **3**	PO Number		Customer	
SPRI **N/A**	MPRI **3**	Work Order		Purpose	
QSR **N/A**	QMR **3100**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
3	**Tom**	**Upstream**	**20150901**	**2015**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
3	**U-109-7985**	**Jetting**	**08:16**	**Dry**	
Date Cleaned			End Time	Additional Info	
			08:27		

166.8 ft. Roots Medium Connection

193.2 ft. Tap Break-in Active

215.3 ft. Tap Break-in Active

218.0 ft. Cleanout Mainline



OTM-21

OTM-21

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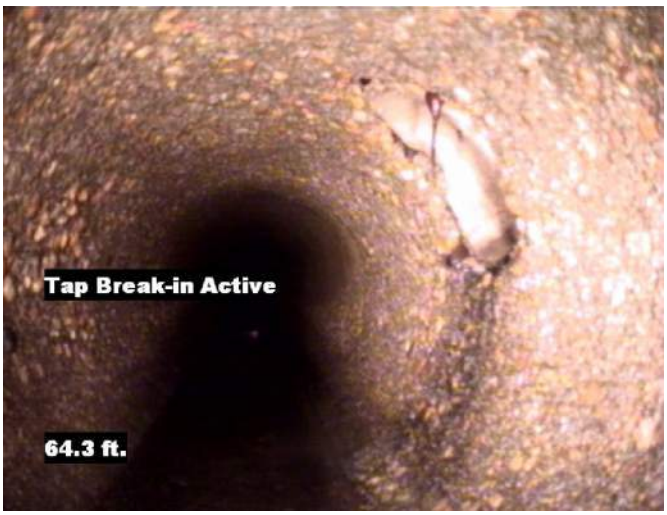
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
14	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-21			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-20	**218**		**8**	**8**		

Distance: 0.0 ft. **Grade:** 0
Condition: Manhole
Remarks: OTM-20

Distance: 0.0 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A

Distance: 50.8 ft. **Grade:** 0
Condition: Tap Break-in Active
Remarks: N/A



Distance: 64.3 ft. **Grade:** 0
Condition: Tap Break-in Active
Remarks: N/A

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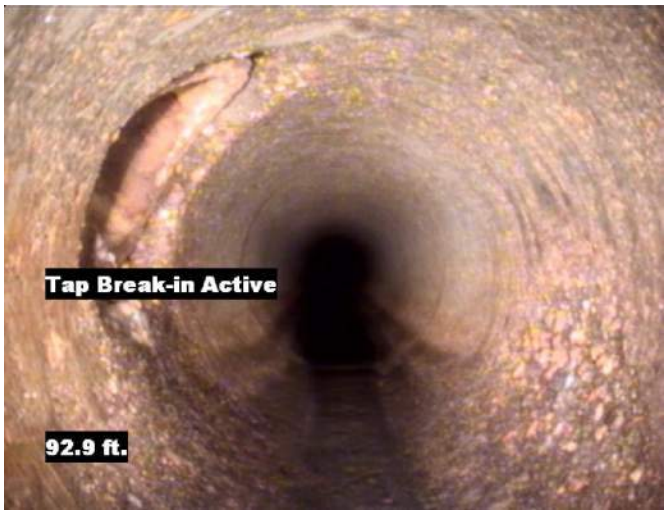
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
14	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-21			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-20	**218**		**8**	**8**		



Distance: 92.9 ft. **Grade:** 0
Condition: Tap Break-in Active
Remarks: N/A

Distance: 113.0 ft. **Grade:** 0
Condition: Tap Break-in Active
Remarks: N/A

Distance: 132.1 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A

Distance: 166.7 ft. **Grade:** 0
Condition: Tap Break-in Active
Remarks: N/A

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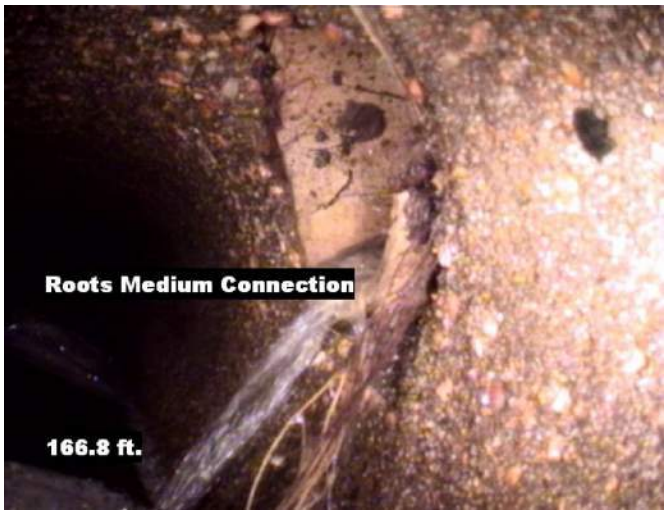
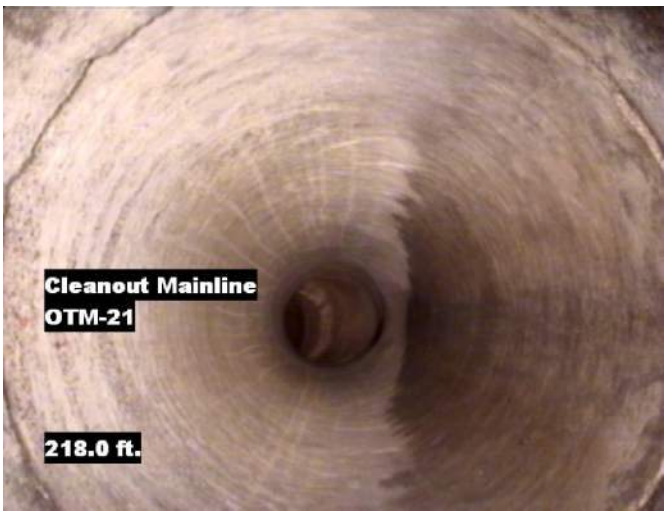
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
14	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-21			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-20	**218**		**8**	**8**		



Distance: 166.8 ft. **Grade:** 3
Condition: Roots Medium Connection
Remarks: N/A

Distance: 193.2 ft. **Grade:** 0
Condition: Tap Break-in Active
Remarks: N/A

Distance: 215.3 ft. **Grade:** 0
Condition: Tap Break-in Active
Remarks: N/A



Distance: 218.0 ft. **Grade:** 0
Condition: Cleanout Mainline
Remarks: OTM-21

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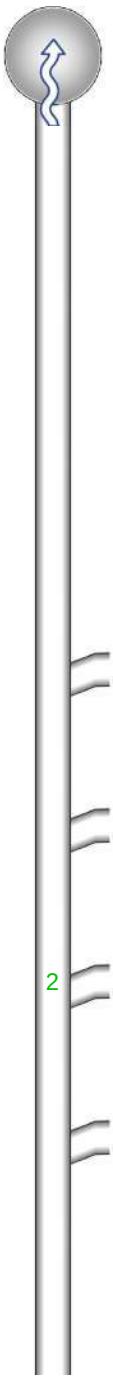
Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
60	**MEAD**	**5TH ST**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-27			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-28	**312.6**		**6**	**6**		

SPR	**4**	MPR	**2**	PO Number	Customer
SPRI	**4**	MPRI	**2**	Work Order	Purpose
QSR	**4100**	QMR	**2100**		**Routine Assessment**

OPR	Surveyed By	Direction	Date	Media label
6	**Tom**	**Upstream**	**20150902**	**2015**
OPRI	Certificate Number	Pre-Cleaning	Time	Weather
3	**U-109-7985**	**Jetting**	**13:16**	**Dry**
Date Cleaned			End Time	Additional Info
			13:34	



0.0 ft.	Manhole		OTM-28
0.0 ft.	Water Level		
10.8 ft.	Water Level		
91.0 ft.	Tap Break-in Active		
96.5 ft.	Tap Factory Capped		
160.1 ft.	Tap Break-in Intruding		
161.9 ft.	Tap Factory Capped		
167.2 ft.	Material Change		PVC

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Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
60	**MEAD**	**5TH ST**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-27			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-28	**312.6**		**6**	**6**		

SPR **4**	MPR **2**	PO Number		Customer	
SPRI **4**	MPRI **2**	Work Order		Purpose	
QSR **4100**	QMR **2100**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
6	**Tom**	**Upstream**	**20150902**	**2015**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
3	**U-109-7985**	**Jetting**	**13:16**	**Dry**	
Date Cleaned			End Time	Additional Info	
			13:34		

245.2 ft. Tap Factory Active

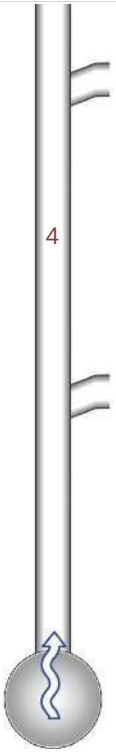
257.6 ft. Patch Repair Defective

PIPE SHATTERED

280.9 ft. Tap Factory Active

312.6 ft. Cleanout Mainline

OTM-27



OTM-27

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Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
60	**MEAD**	**5TH ST**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-27			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-28	**312.6**		**6**	**6**		

Distance: 0.0 ft. **Grade:** 0
Condition: Manhole
Remarks: OTM-28

Distance: 0.0 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A

Distance: 10.8 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A

Distance: 91.0 ft. **Grade:** 0
Condition: Tap Break-in Active
Remarks: N/A

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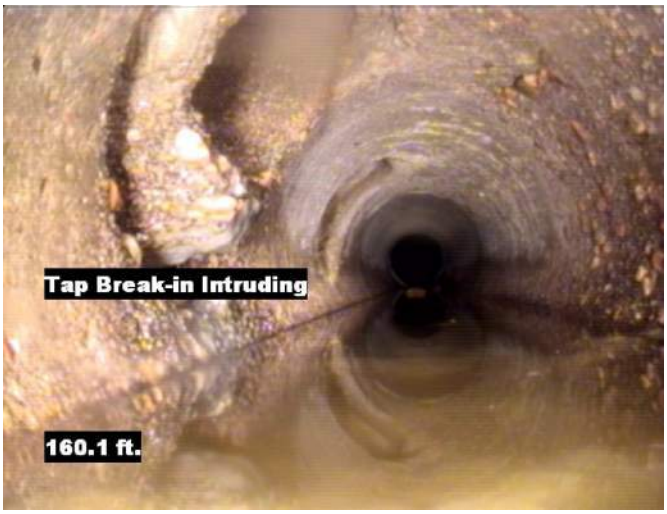
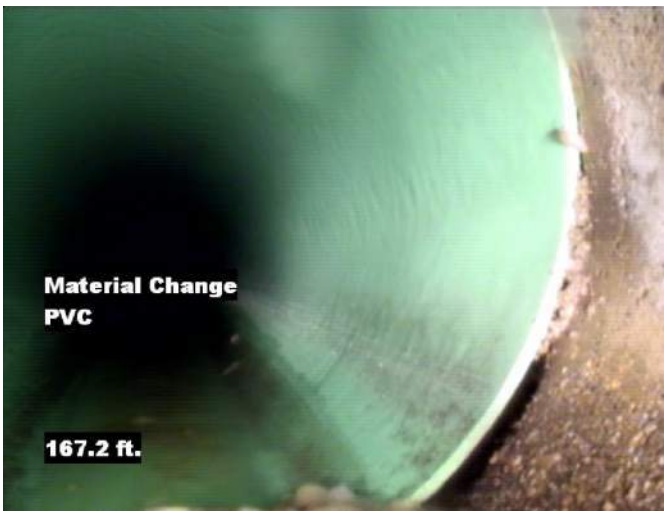
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
60	**MEAD**	**5TH ST**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-27			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-28	**312.6**		**6**	**6**		

Distance: 96.5 ft. **Grade:** 0
Condition: Tap Factory Capped
Remarks: N/A



Distance: 160.1 ft. **Grade:** 2
Condition: Tap Break-in Intruding
Remarks: N/A

Distance: 161.9 ft. **Grade:** 0
Condition: Tap Factory Capped
Remarks: N/A



Distance: 167.2 ft. **Grade:** 0
Condition: Material Change
Remarks: PVC

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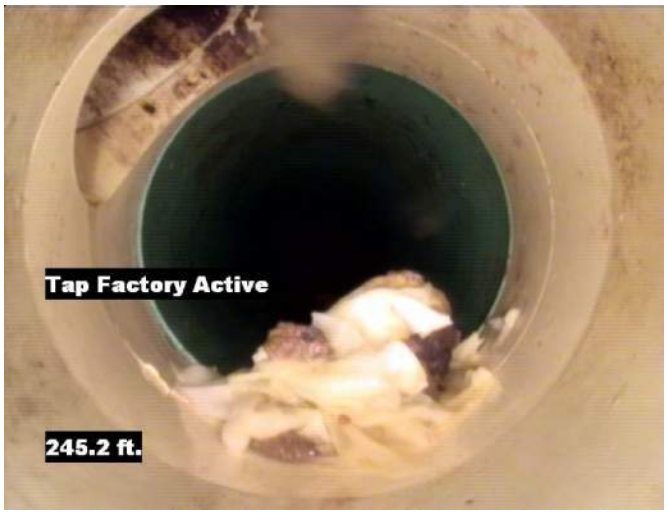
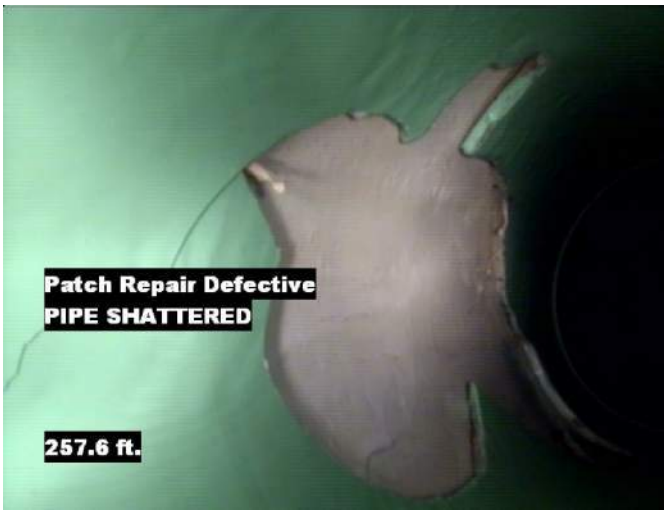
Image Report 4/Page

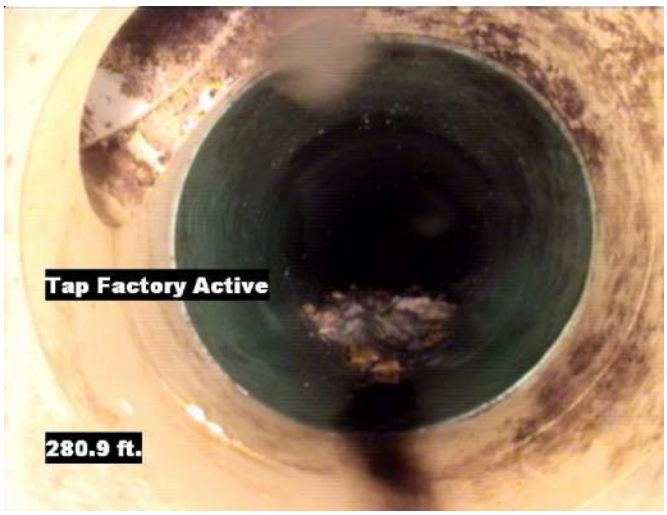
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
60	**MEAD**	**5TH ST**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-27			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-28	**312.6**		**6**	**6**		



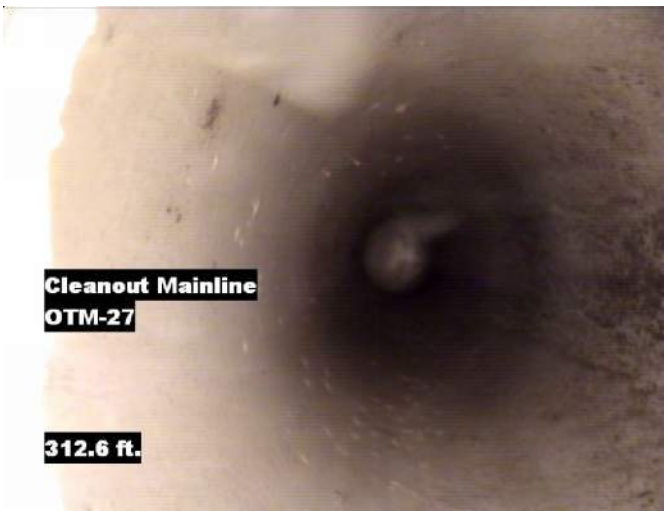
Distance: 245.2 ft. **Grade:** 0
Condition: Tap Factory Active
Remarks: N/A



Distance: 257.6 ft. **Grade:** 4
Condition: Patch Repair Defective
Remarks: PIPE SHATTERED



Distance: 280.9 ft. **Grade:** 0
Condition: Tap Factory Active
Remarks: N/A



Distance: 312.6 ft. **Grade:** 0
Condition: Cleanout Mainline
Remarks: OTM-27

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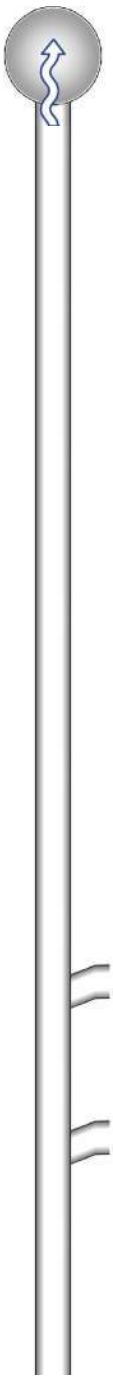
Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
28	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-29			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-30	**287.8**		**8**	**8**		

SPR **N/A**	MPR **6**	PO Number		Customer	
SPRI **N/A**	MPRI **3**	Work Order		Purpose	
QSR **N/A**	QMR **3200**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
6	**Tom**	**Upstream**	**20150901**	**2015**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
3	**U-109-7985**	**Jetting**	**12:59**	**Dry**	
Date Cleaned			End Time	Additional Info	
			13:13		



0.0 ft.	Manhole		OTM-30
0.0 ft.	Water Level		
1.0 ft.	Material Change		PVC
14.8 ft.	Material Change		CONCRETE
50.8 ft.	Water Level		
66.7 ft.	Tap Break-in Active		
72.2 ft.	Tap Break-in Active		
150.8 ft.	Deposits Settled Other		PAPER

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Defect Listing Plot with Images

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
28	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-29			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-30	**287.8**		**8**	**8**		

SPR **N/A**	MPR **6**	PO Number		Customer	
SPRI **N/A**	MPRI **3**	Work Order		Purpose	
QSR **N/A**	QMR **3200**			**Routine Assessment**	
OPR	Surveyed By	Direction	Date	Media label	
6	**Tom**	**Upstream**	**20150901**	**2015**	
OPRI	Certificate Number	Pre-Cleaning	Time	Weather	
3	**U-109-7985**	**Jetting**	**12:59**	**Dry**	
Date Cleaned			End Time	Additional Info	
			13:13		

183.5 ft. Tap Break-in Active

238.2 ft. Tap Break-in Active

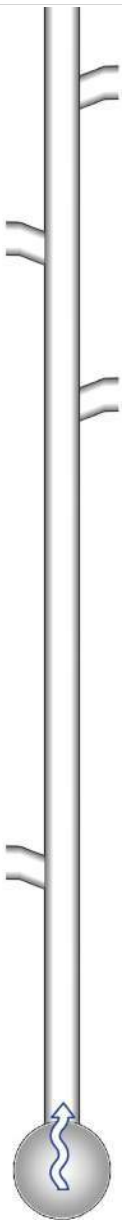
248.4 ft. Tap Break-in Active

282.4 ft. Roots Medium Connection

283.3 ft. General Photo

283.3 ft. Tap Break-in Active

287.8 ft. Cleanout Mainline



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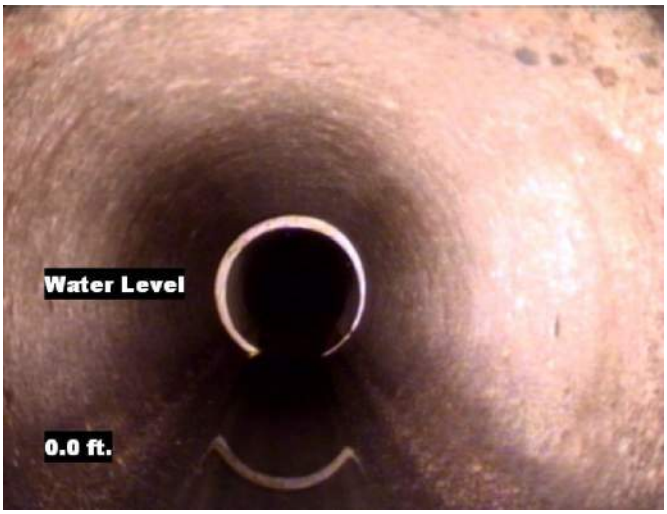
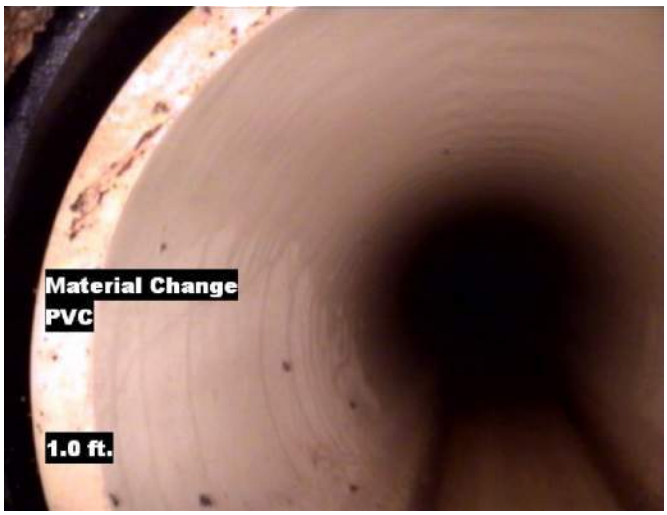
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
28	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-29			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-30	**287.8**		**8**	**8**		

Distance: 0.0 ft. **Grade:** 0
Condition: Manhole
Remarks: OTM-30



Distance: 0.0 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A



Distance: 1.0 ft. **Grade:** 0
Condition: Material Change
Remarks: PVC

Distance: 14.8 ft. **Grade:** 0
Condition: Material Change
Remarks: CONCRETE

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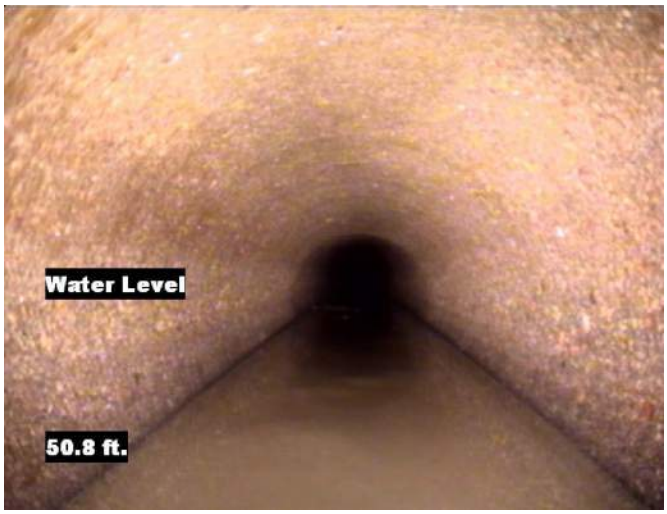
Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
28	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-29			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-30	**287.8**		**8**	**8**		



Distance: 50.8 ft. **Grade:** 0
Condition: Water Level
Remarks: N/A

Distance: 66.7 ft. **Grade:** 0
Condition: Tap Break-in Active
Remarks: N/A

Distance: 72.2 ft. **Grade:** 0
Condition: Tap Break-in Active
Remarks: N/A

Distance: 150.8 ft. **Grade:** 3
Condition: Deposits Settled Other
Remarks: PAPER

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Image Report 4/Page

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
28	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-29			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-30	**287.8**		**8**	**8**		

Distance: 183.5 ft. **Grade:** 0
Condition: Tap Break-in Active
Remarks: N/A

Distance: 238.2 ft. **Grade:** 0
Condition: Tap Break-in Active
Remarks: N/A

Distance: 248.4 ft. **Grade:** 0
Condition: Tap Break-in Active
Remarks: N/A

Distance: 282.4 ft. **Grade:** 3
Condition: Roots Medium Connection
Remarks: N/A

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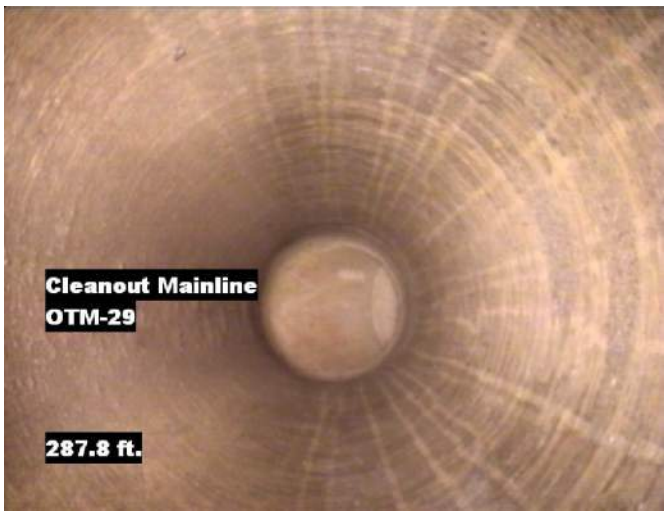
Image Report 4/Page

Pipe Segment Refere...	City	Street	Material		Location C...	Sewer Use
28	**MEAD**	**ALLEY**	**Concrete Pipe (non-...**			**Sanitary**
Upstream MH	Total Length	Year Laid	Shape		Location Details	
OTM-29			**Circular**			
Downstream MH	Length surveyed	Year Renewed	Height	Width	Pipe Joint...	
OTM-30	**287.8**		**8**	**8**		

Distance: 283.3 ft. **Grade:** 0
Condition: General Photo
Remarks: N/A

Distance: 283.3 ft. **Grade:** 0
Condition: Tap Break-in Active
Remarks: N/A



Distance: 287.8 ft. **Grade:** 0
Condition: Cleanout Mainline
Remarks: OTM-29

APPENDIX G – SWMM MODEL INPUT FILES AND OUTPUT REPORT FILES

0.00	0	0				
SS00243-SS00244	SS00243		SS00244	304.3	0.010	0
0.17	0	0				
SS00244-SS00245	SS00244		SS00245	292.4	0.010	0
0.14	0	0				
SS00245-SS00246	SS00245		SS00246	408.3	0.010	0
0.26	0	0				
SS00246-SS00213	SS00246		SS00213	426.8	0.010	0
0.12	0	0				
SS00247-SS00252	SS00247		SS00252	390.1	0.010	0
0.21	0	0				
SS00248-SS00247	SS00248		SS00247	400.1	0.010	0
0.57	0	0				
SS00249-SS00248	SS00249		SS00248	386.3	0.010	0
0.30	0	0				
SS00250-SS00249	SS00250		SS00249	384.6	0.010	0
0.14	0	0				
SS00251-SS00250	SS00251		SS00250	281.2	0.010	0
0.01	0	0				
SS00252-SS00253	SS00252		SS00253	386.3	0.010	0
0.34	0	0				
SS00253-SS00254	SS00253		SS00254	350.4	0.010	0
0.57	0	0				
SS00254-SS00256	SS00254		SS00256	381.7	0.010	0
0.63	0	0				
SS00255-SS00254	SS00255		SS00254	399.0	0.010	0
4.02	0	0				
SS00256-SS00270	SS00256		SS00270	378.8	0.010	0
0.18	0	0				
SS00257-SS00256	SS00257		SS00256	416.8	0.010	0
2.52	0	0				
SS00258-SS00257	SS00258		SS00257	378.8	0.010	0
0.40	0	0				
SS00259-SS00258	SS00259		SS00258	180.5	0.015	0
0.52	0	0				
SS00260-SS00259	SS00260		SS00259	300.0	0.015	0
0.26	0	0				
SS00261-SS00260	SS00261		SS00260	300.3	0.015	0
0.18	0	0				
SS00262-SS00261	SS00262		SS00261	258.8	0.015	0
0.12	0	0				
SS00263-SS00256	SS00263		SS00256	349.0	0.015	0.00
0.65	0	0				
SS00264-SS00263	SS00264		SS00263	400.2	0.015	0
0.25	0	0				
SS00265-SS00264	SS00265		SS00264	210.1	0.015	0
0.16	0	0				
SS00266-SS00267	SS00266		SS00267	273.9	0.015	0
0.00	0	0				
SS00267-SS00268	SS00267		SS00268	109.9	0.010	0
0.15	0	0				
SS00268-SS00269	SS00268		SS00269	287.0	0.010	0
0.22	0	0				
SS00269-SS00270	SS00269		SS00270	345.3	0.010	0
0.20	0	0				
SS00270-SS00271	SS00270		SS00271	42.5	0.010	0
0.24	0	0				
SS00271-SS00277	SS00271		SS00277	330.0	0.010	0
0.02	0	0				
SS00272-SS00273	SS00272		SS00273	275.1	0.015	0
0.00	0	0				
SS00273-SS00274	SS00273		SS00274	382.5	0.015	0.29
2.55	0	0				

SS00274-SS00275	SS00274	SS00275	136.1	0.010	0	
0.33	0	0				
SS00275-SS00303	SS00275	SS00303	342.0	0.010	0	
0.46	0	0				
SS00276-SS00274	SS00276	SS00274	247.3	0.010	0.00	
0.25	0	0				
SS00277-SS00276	SS00277	SS00276	129.1	0.010	0	
0.27	0	0				
SS00278-SS00277	SS00278	SS00277	409.1	0.010	0	
0.15	0	0				
SS00279-SS00278	SS00279	SS00278	357.8	0.015	0.02	
0.27	0	0				
SS00280-SS00279	SS00280	SS00279	175.2	0.015	0.04	
0.00	0	0				
SS00281-SS00280	SS00281	SS00280	317.8	0.015	0	
0.00	0	0				
SS00282-SS00001	SS00282	SS00001	211.6	0.010	0	
0.06	0	0				
SS00283-SS00123	SS00283	SS00123	138.2	0.010	0	
0.20	0	0				
SS00284-SS00124	SS00284	SS00124	260.2	0.010	0	
0.29	0	0				
SS00285-WWTF00001	SS00285	WWTF00001	99.7	0.010	0	
0.00	0	0				
SS00286-SS00287	SS00286	SS00287	258.8	0.010	0	
0.14	0	0				
SS00287-SS00288	SS00287	SS00288	381.9	0.010	0	
0.22	0	0				
SS00288-SS00289	SS00288	SS00289	391.2	0.010	0	
0.22	0	0				
SS00289-SS00290	SS00289	SS00290	97.7	0.010	0	
0.01	0	0				
SS00290-SS00291	SS00290	SS00291	399.1	0.010	0	
0.08	0	0				
SS00291-SS00047	SS00291	SS00047	229.3	0.010	0	
0.11	0	0				
SS00292-SS00293	SS00292	SS00293	343.7	0.010	0	
0.15	0	0				
SS00293-SS00294	SS00293	SS00294	348.9	0.010	0	
0.04	0	0				
SS00294-SS00295	SS00294	SS00295	383.9	0.010	0	
0.06	0	0				
SS00295-SS00182	SS00295	SS00182	388.3	0.010	0	
0.37	0	0				
SS00296-SS00297	SS00296	SS00297	148.7	0.010	0	
0.13	0	0				
SS00297-SS00298	SS00297	SS00298	225.3	0.010	0	
0.08	0	0				
SS00298-SS00299	SS00298	SS00299	418.3	0.010	0	
0.33	0	0				
SS00299-SS00300	SS00299	SS00300	418.2	0.010	0	
0.01	0	0				
SS00300-SS00301	SS00300	SS00301	219.8	0.010	0	
0.26	0	0				
SS00301-SS00302	SS00301	SS00302	368.5	0.010	0	
0.22	0	0				
SS00302-SS00311	SS00302	SS00311	212.2	0.010	0	
0.13	0	0				
SS00303-SS00317	SS00303	SS00317	260.69	0.010	0	
5.71	0	0				
SS00304-SS00305	SS00304	SS00305	246.2	0.010	0	
0.09	0	0				
SS00305-SS00306	SS00305	SS00306	371.2	0.010	0	

```
0.19       0          0
SS00306-SS00307  SS00306          SS00307          403.7      0.010      0
0.01       0          0
SS00307-SS00308  SS00307          SS00308          408.4      0.010      0
0.09       0          0
SS00308-SS00309  SS00308          SS00309          211.3      0.010      0
0.40       0          0
SS00309-SS00310  SS00309          SS00310          179.8      0.010      0
0.11       0          0
SS00310-SS00311  SS00310          SS00311          376.6      0.010      0
0.22       0          0
SS00311-SS00312  SS00311          SS00312          220.2      0.010      0
0.13       0          0
SS00312-SS00313  SS00312          SS00313          399.7      0.01       0
0.07       0          0
SS00313-SS00314  SS00313          SS00314          348.9      0.01       0
0.00       0          0
SS00314-SS00315  SS00314          SS00315          402.6      0.01       0
0.55       0          0
SS00315-SS00111  SS00315          SS00111          689.3      0.01       0
0.11       0          0
SSC00001-SS00255 SSC00001         SS00255          222.0      0.01       0
0.16       0          0
SSC00002-SS00265 SSC00002         SS00265          315.4      0.015      0
0.05       0          0
SSC00003-SS00264 SSC00003         SS00264          289.6      0.015      0
0.08       0          0
SSC00004-SS00225 SSC00004         SS00225          172.5      0.01       0
0.02       0          0
SSC00005-SS00244 SSC00005         SS00244          178.9      0.01       0
0.19       0          0
SSC00006-SS00231 SSC00006         SS00231          51.2       0.01       0
0.23       0          0
SSC00007-SS00015 SSC00007         SS00015          130.5      0.01       0
0.05       0          0
SS00203N-SSS00203E SS00203N         SS00203E         1          0.010      0.1
 0          0          0
FM00001          LS00001dh        SS00221          1467.29    0.01       0
0.5        0          0
SS00316-SS00046  SS00316          SS00046          284.94     0.01       0
0.11       0          0
SS00317-SS00304  SS00317          SS00304          149.03     0.01       0
0.36       0          0

[PUMPS]
;;Name           From Node        To Node          Pump Curve       Status   Sartup
Shutoff
;;-------------- ---------------- ---------------- ---------------- ------ --------
--------
NORTHCREEK_PUMP1 LS00001          LS00001dh        NORTHCREEK_PUMP1 OFF      4.00
 2.417
NORTHCREEK_PUMP2 LS00001          LS00001dh        NORTHCREEK_PUMP2 OFF      4.31
 2.417

[XSECTIONS]
;;Link           Shape        Geom1            Geom2      Geom3      Geom4
Barrels    Culvert
;;-------------- ------------ ---------------- ---------- ---------- ----------
---------- ----------
SS00001-SS00002  CIRCULAR     1.000            0          0          0          1

SS00002-SS00003  CIRCULAR     1.000            0          0          0          1
```

SS00003-SS00004	CIRCULAR	1.000	0	0	0	1
SS00004-SS00005	CIRCULAR	1.000	0	0	0	1
SS00005-SS00006	CIRCULAR	1.000	0	0	0	1
SS00006-SS00007	CIRCULAR	1.000	0	0	0	1
SS00007-SS00008	CIRCULAR	1.000	0	0	0	1
SS00008-SS00009	CIRCULAR	1.000	0	0	0	1
SS00009-SS00012	CIRCULAR	1.000	0	0	0	1
SS00010-SS00009	CIRCULAR	1.000	0	0	0	1
SS00011-SS00010	CIRCULAR	1.000	0	0	0	1
SS00012-SS00013	CIRCULAR	1.000	0	0	0	1
SS00013-SS00014	CIRCULAR	1.000	0	0	0	1
SS00014-SS00015	CIRCULAR	1.000	0	0	0	1
SS00015-SS00016	CIRCULAR	1.000	0	0	0	1
SS00016-SS00017	CIRCULAR	1.000	0	0	0	1
SS00017-SS00032	CIRCULAR	1.000	0	0	0	1
SS00018-SS00017	CIRCULAR	0.667	0	0	0	1
SS00019-SS00020	CIRCULAR	0.667	0	0	0	1
SS00020-SS00021	CIRCULAR	0.667	0	0	0	1
SS00021-SS00022	CIRCULAR	0.667	0	0	0	1
SS00022-SS00023	CIRCULAR	0.667	0	0	0	1
SS00023-SS00024	CIRCULAR	0.667	0	0	0	1
SS00024-SS00025	CIRCULAR	0.833	0	0	0	1
SS00025-SS00026	CIRCULAR	0.833	0	0	0	1
SS00026-SS00027	CIRCULAR	0.833	0	0	0	1
SS00027-SS00028	CIRCULAR	0.833	0	0	0	1
SS00028-SS00029	CIRCULAR	0.833	0	0	0	1
SS00029-SS00286	CIRCULAR	1.000	0	0	0	1
SS00030-SS00029	CIRCULAR	1.000	0	0	0	1
SS00031-SS00030	CIRCULAR	1.000	0	0	0	1
SS00032-SS00031	CIRCULAR	1.000	0	0	0	1
SS00033-SS00034	CIRCULAR	0.833	0	0	0	1
SS00034-SS00035	CIRCULAR	0.833	0	0	0	1

SS00035-SS00036	CIRCULAR	0.833	0	0	0	1
SS00036-SS00037	CIRCULAR	0.833	0	0	0	1
SS00037-SS00038	CIRCULAR	0.833	0	0	0	1
SS00038-SS00039	CIRCULAR	0.833	0	0	0	1
SS00039-SS00040	CIRCULAR	0.833	0	0	0	1
SS00040-SS00041	CIRCULAR	0.833	0	0	0	1
SS00041-SS00029	CIRCULAR	0.833	0	0	0	1
SS00042-SS00043	CIRCULAR	0.667	0	0	0	1
SS00043-SS00044	CIRCULAR	0.667	0	0	0	1
SS00044-SS00045	CIRCULAR	0.667	0	0	0	1
SS00045-SS00316	CIRCULAR	0.667	0	0	0	1
SS00046-SS00049	CIRCULAR	0.667	0	0	0	1
SS00047-SS00048	CIRCULAR	0.833	0	0	0	1
SS00048-SS00049	CIRCULAR	0.833	0	0	0	1
SS00049-SS00050	CIRCULAR	0.833	0	0	0	1
SS00050-SS00051	CIRCULAR	0.833	0	0	0	1
SS00051-SS00052	CIRCULAR	0.833	0	0	0	1
SS00052-SS00060	CIRCULAR	0.833	0	0	0	1
SS00053-SS00242	CIRCULAR	1.250	0	0	0	1
SS00054-SS00053	CIRCULAR	1.000	0	0	0	1
SS00055-SS00054	CIRCULAR	1.000	0	0	0	1
SS00056-SS00055	CIRCULAR	1.000	0	0	0	1
SS00057-SS00056	CIRCULAR	1.000	0	0	0	1
SS00058-SS00057	CIRCULAR	1.000	0	0	0	1
SS00059-SS00058	CIRCULAR	1.000	0	0	0	1
SS00060-SS00059	CIRCULAR	1.000	0	0	0	1
SS00061-SS00062	CIRCULAR	0.833	0	0	0	1
SS00062-SS00063	CIRCULAR	0.833	0	0	0	1
SS00063-SS00064	CIRCULAR	0.833	0	0	0	1
SS00064-SS00065	CIRCULAR	0.833	0	0	0	1
SS00065-SS00112	CIRCULAR	0.667	0	0	0	1

SS00066-SS00067	CIRCULAR	0.667	0	0	0	1
SS00067-SS00068	CIRCULAR	0.667	0	0	0	1
SS00068-SS00069	CIRCULAR	0.667	0	0	0	1
SS00069-SS00076	CIRCULAR	0.667	0	0	0	1
SS00070-SS00073	CIRCULAR	0.667	0	0	0	1
SS00071-SS00072	CIRCULAR	0.667	0	0	0	1
SS00072-SS00073	CIRCULAR	0.667	0	0	0	1
SS00073-SS00074	CIRCULAR	0.667	0	0	0	1
SS00074-SS00075	CIRCULAR	0.667	0	0	0	1
SS00075-SS00076	CIRCULAR	0.667	0	0	0	1
SS00076-SS00077	CIRCULAR	0.667	0	0	0	1
SS00077-SS00078	CIRCULAR	0.667	0	0	0	1
SS00078-SS00079	CIRCULAR	0.667	0	0	0	1
SS00079-SS00081	CIRCULAR	0.667	0	0	0	1
SS00080-SS00079	CIRCULAR	0.667	0	0	0	1
SS00081-SS00082	CIRCULAR	0.667	0	0	0	1
SS00082-SS00083	CIRCULAR	0.667	0	0	0	1
SS00083-SS00086	CIRCULAR	0.667	0	0	0	1
SS00084-SS00085	CIRCULAR	0.667	0	0	0	1
SS00085-SS00087	CIRCULAR	0.667	0	0	0	1
SS00086-SS00085	CIRCULAR	0.667	0	0	0	1
SS00087-SS00088	CIRCULAR	0.667	0	0	0	1
SS00088-SS00099	CIRCULAR	0.667	0	0	0	1
SS00089-SS00090	CIRCULAR	0.667	0	0	0	1
SS00090-SS00091	CIRCULAR	0.667	0	0	0	1
SS00091-SS00092	CIRCULAR	0.667	0	0	0	1
SS00092-SS00093	CIRCULAR	0.667	0	0	0	1
SS00093-SS00094	CIRCULAR	0.667	0	0	0	1
SS00094-SS00095	CIRCULAR	0.667	0	0	0	1
SS00095-SS00097	CIRCULAR	0.667	0	0	0	1
SS00096-SS00095	CIRCULAR	0.667	0	0	0	1
SS00097-SS00098	CIRCULAR	0.667	0	0	0	1

SS00098-SS00099	CIRCULAR	0.667	0	0	0	1
SS00099-SS00100	CIRCULAR	0.833	0	0	0	1
SS00100-SS00101	CIRCULAR	0.833	0	0	0	1
SS00101-SS00053	CIRCULAR	0.667	0	0	0	1
SS00102-SS00285	CIRCULAR	1.750	0	0	0	1
SS00103-SS00102	CIRCULAR	1.750	0	0	0	1
SS00104-SS00103	CIRCULAR	1.750	0	0	0	1
SS00105-SS00104	CIRCULAR	1.750	0	0	0	1
SS00106-SS00105	CIRCULAR	1.750	0	0	0	1
SS00107-SS00106	CIRCULAR	1.750	0	0	0	1
SS00108-SS00107	CIRCULAR	1.750	0	0	0	1
SS00109-SS00108	CIRCULAR	1.750	0	0	0	1
SS00110-SS00109	CIRCULAR	1.750	0	0	0	1
SS00111-SS00110	CIRCULAR	2.500	0	0	0	1
SS00112-SS00113	CIRCULAR	0.667	0	0	0	1
SS00113-SS00114	CIRCULAR	0.667	0	0	0	1
SS00114-SS00115	CIRCULAR	0.667	0	0	0	1
SS00115-SS00116	CIRCULAR	0.667	0	0	0	1
SS00116-SS00117	CIRCULAR	0.667	0	0	0	1
SS00117-SS00118	CIRCULAR	0.667	0	0	0	1
SS00118-SS00119	CIRCULAR	0.667	0	0	0	1
SS00119-SS00120	CIRCULAR	0.667	0	0	0	1
SS00120-SS00121	CIRCULAR	0.667	0	0	0	1
SS00121-SS00122	CIRCULAR	0.667	0	0	0	1
SS00122-SS00123	CIRCULAR	0.667	0	0	0	1
SS00123-SS00183	CIRCULAR	0.833	0	0	0	1
SS00124-SS00123	CIRCULAR	0.667	0	0	0	1
SS00125-SS00284	CIRCULAR	0.667	0	0	0	1
SS00126-SS00125	CIRCULAR	0.667	0	0	0	1
SS00127-SS00126	CIRCULAR	0.667	0	0	0	1
SS00128-SS00127	CIRCULAR	0.667	0	0	0	1

SS00129-SS00128	CIRCULAR	0.667	0	0	0	1
SS00130-SS00129	CIRCULAR	0.667	0	0	0	1
SS00131-SS00130	CIRCULAR	0.667	0	0	0	1
SS00132-SS00131	CIRCULAR	0.667	0	0	0	1
SS00133-SS00126	CIRCULAR	0.667	0	0	0	1
SS00134-SS00133	CIRCULAR	0.667	0	0	0	1
SS00135-SS00134	CIRCULAR	0.667	0	0	0	1
SS00136-SS00135	CIRCULAR	0.667	0	0	0	1
SS00137-SS00284	CIRCULAR	0.667	0	0	0	1
SS00138-SS00139	CIRCULAR	0.667	0	0	0	1
SS00139-SS00140	CIRCULAR	0.667	0	0	0	1
SS00140-SS00141	CIRCULAR	0.667	0	0	0	1
SS00141-SS00142	CIRCULAR	0.667	0	0	0	1
SS00142-SS00143	CIRCULAR	0.667	0	0	0	1
SS00143-SS00144	CIRCULAR	0.667	0	0	0	1
SS00144-SS00120	CIRCULAR	0.667	0	0	0	1
SS00145-SS00152	CIRCULAR	0.667	0	0	0	1
SS00146-SS00147	CIRCULAR	0.667	0	0	0	1
SS00147-SS00148	CIRCULAR	0.667	0	0	0	1
SS00148-SS00149	CIRCULAR	0.667	0	0	0	1
SS00149-SS00150	CIRCULAR	0.667	0	0	0	1
SS00150-SS00161	CIRCULAR	0.833	0	0	0	1
SS00151-SS00150	CIRCULAR	0.667	0	0	0	1
SS00152-SS00151	CIRCULAR	0.667	0	0	0	1
SS00153-SS00151	CIRCULAR	0.667	0	0	0	1
SS00154-SS00153	CIRCULAR	0.667	0	0	0	1
SS00155-SS00154	CIRCULAR	0.667	0	0	0	1
SS00156-SS00157	CIRCULAR	0.667	0	0	0	1
SS00157-SS00158	CIRCULAR	0.667	0	0	0	1
SS00158-SS00154	CIRCULAR	0.667	0	0	0	1
SS00159-SS00154	CIRCULAR	0.667	0	0	0	1
SS00160-SS00159	CIRCULAR	0.667	0	0	0	1

SS00161-SS00162	CIRCULAR	0.833	0	0	0	1
SS00162-SS00184	CIRCULAR	0.833	0	0	0	1
SS00163-SS00164	CIRCULAR	0.667	0	0	0	1
SS00164-SS00165	CIRCULAR	0.667	0	0	0	1
SS00165-SS00166	CIRCULAR	0.667	0	0	0	1
SS00166-SS00167	CIRCULAR	0.667	0	0	0	1
SS00167-SS00168	CIRCULAR	0.667	0	0	0	1
SS00168-SS00169	CIRCULAR	0.667	0	0	0	1
SS00169-SS00170	CIRCULAR	0.667	0	0	0	1
SS00170-SS00173	CIRCULAR	0.667	0	0	0	1
SS00171-SS00170	CIRCULAR	0.667	0	0	0	1
SS00172-SS00171	CIRCULAR	0.667	0	0	0	1
SS00173-SS00179	CIRCULAR	0.667	0	0	0	1
SS00174-SS00172	CIRCULAR	0.667	0	0	0	1
SS00175-SS00174	CIRCULAR	0.667	0	0	0	1
SS00176-SS00175	CIRCULAR	0.667	0	0	0	1
SS00177-SS00176	CIRCULAR	0.667	0	0	0	1
SS00178-SS00176	CIRCULAR	0.667	0	0	0	1
SS00179-SS00180	CIRCULAR	2.000	0	0	0	1
SS00180-SS00296	CIRCULAR	1.250	0	0	0	1
SS00181-SS00179	CIRCULAR	2.000	0	0	0	1
SS00182-SS00181	CIRCULAR	2.000	0	0	0	1
SS00183-SS00182	CIRCULAR	0.833	0	0	0	1
SS00184-SS00183	CIRCULAR	0.833	0	0	0	1
SS00185-SS00186	CIRCULAR	0.667	0	0	0	1
SS00186-SS00187	CIRCULAR	0.667	0	0	0	1
SS00187-SS00188	CIRCULAR	0.667	0	0	0	1
SS00188-SS00189	CIRCULAR	0.667	0	0	0	1
SS00189-SS00190	CIRCULAR	0.667	0	0	0	1
SS00190-SS00191	CIRCULAR	0.667	0	0	0	1
SS00191-SS00214	CIRCULAR	0.667	0	0	0	1

SS00192-SS00191	CIRCULAR	0.667	0	0	0	1
SS00193-SS00192	CIRCULAR	0.667	0	0	0	1
SS00194-SS00193	CIRCULAR	0.667	0	0	0	1
SS00195-SS00194	CIRCULAR	0.667	0	0	0	1
SS00196-SS00195	CIRCULAR	0.667	0	0	0	1
SS00197-SS00198	CIRCULAR	0.667	0	0	0	1
SS00198-SS00199	CIRCULAR	0.667	0	0	0	1
SS00199-SS00200	CIRCULAR	0.667	0	0	0	1
SS00200-SS00194	CIRCULAR	0.667	0	0	0	1
SS00201-SS00200	CIRCULAR	0.667	0	0	0	1
SS00202-SS00201	CIRCULAR	0.667	0	0	0	1
SS00203E-SS00202	CIRCULAR	0.667	0	0	0	1
SS00203N-SS00204	CIRCULAR	0.667	0	0	0	1
SS00204-SS00198	CIRCULAR	0.667	0	0	0	1
SS00205-SS00204	CIRCULAR	0.667	0	0	0	1
SS00206-SS00207	CIRCULAR	0.667	0	0	0	1
SS00207-SS00208	CIRCULAR	0.667	0	0	0	1
SS00208-SS00209	CIRCULAR	0.667	0	0	0	1
SS00209-SS00210	CIRCULAR	0.667	0	0	0	1
SS00210-SS00211	CIRCULAR	0.667	0	0	0	1
SS00211-SS00212	CIRCULAR	0.833	0	0	0	1
SS00212-SS00222	CIRCULAR	0.833	0	0	0	1
SS00213-SS00247	CIRCULAR	1.000	0	0	0	1
SS00214-SS00222	CIRCULAR	1.000	0	0	0	1
SS00215-SS00214	CIRCULAR	1.000	0	0	0	1
SS00216-SS00215	CIRCULAR	1.000	0	0	0	1
SS00217-SS00218	CIRCULAR	0.667	0	0	0	1
SS00218-SS00209	CIRCULAR	0.667	0	0	0	1
SS00219-SS00210	CIRCULAR	0.667	0	0	0	1
SS00220-SS00219	CIRCULAR	0.667	0	0	0	1
SS00221-SS00210	CIRCULAR	0.667	0	0	0	1
SS00222-SS00213	CIRCULAR	1.000	0	0	0	1

SS00223-SS00224	CIRCULAR	0.667	0	0	0	1
SS00224-SS00225	CIRCULAR	0.667	0	0	0	1
SS00225-SS00226	CIRCULAR	0.667	0	0	0	1
SS00226-SS00234	CIRCULAR	0.667	0	0	0	1
SS00227-SS00226	CIRCULAR	0.667	0	0	0	1
SS00228-SS00229	CIRCULAR	0.667	0	0	0	1
SS00229-SS00230	CIRCULAR	0.667	0	0	0	1
SS00230-SS00231	CIRCULAR	0.667	0	0	0	1
SS00231-SS00232	CIRCULAR	0.667	0	0	0	1
SS00232-LS00001	CIRCULAR	0.667	0	0	0	1
SS00233-SS00232	CIRCULAR	0.667	0	0	0	1
SS00234-SS00233	CIRCULAR	0.667	0	0	0	1
SS00235-SS00236	CIRCULAR	0.667	0	0	0	1
SS00236-SS00237	CIRCULAR	0.667	0	0	0	1
SS00237-SS00238	CIRCULAR	0.667	0	0	0	1
SS00238-SS00239	CIRCULAR	0.667	0	0	0	1
SS00239-LS00001	CIRCULAR	0.667	0	0	0	1
SS00240-SS00292	CIRCULAR	1.500	0	0	0	1
SS00241-SS00240	CIRCULAR	1.750	0	0	0	1
SS00242-SS00241	CIRCULAR	1.250	0	0	0	1
SS00243-SS00244	CIRCULAR	0.667	0	0	0	1
SS00244-SS00245	CIRCULAR	0.667	0	0	0	1
SS00245-SS00246	CIRCULAR	0.667	0	0	0	1
SS00246-SS00213	CIRCULAR	0.667	0	0	0	1
SS00247-SS00252	CIRCULAR	1.000	0	0	0	1
SS00248-SS00247	CIRCULAR	0.667	0	0	0	1
SS00249-SS00248	CIRCULAR	0.667	0	0	0	1
SS00250-SS00249	CIRCULAR	0.667	0	0	0	1
SS00251-SS00250	CIRCULAR	0.667	0	0	0	1
SS00252-SS00253	CIRCULAR	1.000	0	0	0	1
SS00253-SS00254	CIRCULAR	1.000	0	0	0	1

SS00254-SS00256	CIRCULAR	1.000	0	0	0	1
SS00255-SS00254	CIRCULAR	0.667	0	0	0	1
SS00256-SS00270	CIRCULAR	1.000	0	0	0	1
SS00257-SS00256	CIRCULAR	0.667	0	0	0	1
SS00258-SS00257	CIRCULAR	0.667	0	0	0	1
SS00259-SS00258	CIRCULAR	0.667	0	0	0	1
SS00260-SS00259	CIRCULAR	0.667	0	0	0	1
SS00261-SS00260	CIRCULAR	0.667	0	0	0	1
SS00262-SS00261	CIRCULAR	0.667	0	0	0	1
SS00263-SS00256	CIRCULAR	0.667	0	0	0	1
SS00264-SS00263	CIRCULAR	0.667	0	0	0	1
SS00265-SS00264	CIRCULAR	0.500	0	0	0	1
SS00266-SS00267	CIRCULAR	0.500	0	0	0	1
SS00267-SS00268	CIRCULAR	0.500	0	0	0	1
SS00268-SS00269	CIRCULAR	0.667	0	0	0	1
SS00269-SS00270	CIRCULAR	0.667	0	0	0	1
SS00270-SS00271	CIRCULAR	1.000	0	0	0	1
SS00271-SS00277	CIRCULAR	1.000	0	0	0	1
SS00272-SS00273	CIRCULAR	0.667	0	0	0	1
SS00273-SS00274	CIRCULAR	0.667	0	0	0	1
SS00274-SS00275	CIRCULAR	1.000	0	0	0	1
SS00275-SS00303	CIRCULAR	1.000	0	0	0	1
SS00276-SS00274	CIRCULAR	1.000	0	0	0	1
SS00277-SS00276	CIRCULAR	1.000	0	0	0	1
SS00278-SS00277	CIRCULAR	0.667	0	0	0	1
SS00279-SS00278	CIRCULAR	0.667	0	0	0	1
SS00280-SS00279	CIRCULAR	0.667	0	0	0	1
SS00281-SS00280	CIRCULAR	0.667	0	0	0	1
SS00282-SS00001	CIRCULAR	0.667	0	0	0	1
SS00283-SS00123	CIRCULAR	0.667	0	0	0	1
SS00284-SS00124	CIRCULAR	0.667	0	0	0	1
SS00285-WWTF00001	CIRCULAR	1.750	0	0	0	1

SS00286-SS00287	CIRCULAR	0.667	0	0	0	1
SS00287-SS00288	CIRCULAR	0.667	0	0	0	1
SS00288-SS00289	CIRCULAR	0.667	0	0	0	1
SS00289-SS00290	CIRCULAR	0.667	0	0	0	1
SS00290-SS00291	CIRCULAR	0.667	0	0	0	1
SS00291-SS00047	CIRCULAR	0.667	0	0	0	1
SS00292-SS00293	CIRCULAR	1.500	0	0	0	1
SS00293-SS00294	CIRCULAR	1.500	0	0	0	1
SS00294-SS00295	CIRCULAR	1.500	0	0	0	1
SS00295-SS00182	CIRCULAR	1.500	0	0	0	1
SS00296-SS00297	CIRCULAR	1.250	0	0	0	1
SS00297-SS00298	CIRCULAR	1.250	0	0	0	1
SS00298-SS00299	CIRCULAR	1.250	0	0	0	1
SS00299-SS00300	CIRCULAR	1.250	0	0	0	1
SS00300-SS00301	CIRCULAR	1.250	0	0	0	1
SS00301-SS00302	CIRCULAR	1.250	0	0	0	1
SS00302-SS00311	CIRCULAR	1.250	0	0	0	1
SS00303-SS00317	CIRCULAR	1.000	0	0	0	1
SS00304-SS00305	CIRCULAR	1.250	0	0	0	1
SS00305-SS00306	CIRCULAR	1.250	0	0	0	1
SS00306-SS00307	CIRCULAR	1.250	0	0	0	1
SS00307-SS00308	CIRCULAR	1.250	0	0	0	1
SS00308-SS00309	CIRCULAR	1.250	0	0	0	1
SS00309-SS00310	CIRCULAR	1.250	0	0	0	1
SS00310-SS00311	CIRCULAR	1.250	0	0	0	1
SS00311-SS00312	CIRCULAR	1.750	0	0	0	1
SS00312-SS00313	CIRCULAR	1.750	0	0	0	1
SS00313-SS00314	CIRCULAR	1.750	0	0	0	1
SS00314-SS00315	CIRCULAR	1.750	0	0	0	1
SS00315-SS00111	CIRCULAR	2.500	0	0	0	1
SSC00001-SS00255	CIRCULAR	0.500	0	0	0	1

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SSC00002-SS00265 CIRCULAR     0.500            0          0          0          1
SSC00003-SS00264 CIRCULAR     0.667            0          0          0          1
SSC00004-SS00225 CIRCULAR     0.333            0          0          0          1
SSC00005-SS00244 CIRCULAR     0.667            0          0          0          1
SSC00006-SS00231 CIRCULAR     0.667            0          0          0          1
SSC00007-SS00015 CIRCULAR     0.833            0          0          0          1
SS00203N-SSS00203E CIRCULAR     1                0          0          0          1
FM00001          FORCE_MAIN   0.33333          150        0          0          1
SS00316-SS00046  CIRCULAR     0.667            0          0          0          1
SS00317-SS00304  CIRCULAR     1                0          0          0          1

[INFLOWS]
;;Node           Constituent      Time Series      Type     Mfactor  Sfactor
Baseline Pattern
;;-------------- ---------------- ---------------- -------- -------- --------
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SS00001          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      0.105
SS00002          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      0.105
SS00003          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      0.210
SS00004          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      0.629
SS00005          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      1.362
SS00006          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      0.419
SS00007          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      0.314
SS00009          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      0.524
SS00010          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      0.838
SS00011          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      0.943
SS00012          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      0.210
SS00013          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      0.105
SS00014          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      0.419
SS00015          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      0.105
SS00016          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      0.524
SS00017          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      0.210
SS00018          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      0.629
SS00019          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      0.524
SS00020          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      0.210
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SS00022	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.419
SS00023	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.629
SS00024	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	1.048
SS00026	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	1.362
SS00027	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.524
SS00028	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.419
SS00030	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.524
SS00031	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.314
SS00032	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.314
SS00033	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.419
SS00034	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.524
SS00035	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	1.153
SS00036	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	1.048
SS00037	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.419
SS00038	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.419
SS00039	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.314
SS00040	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.314
SS00041	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.210
SS00042	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.314
SS00043	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.314
SS00044	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.210
SS00046	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.105
SS00047	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.210
SS00048	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.105
SS00050	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.210
SS00051	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.105
SS00052	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.105
SS00055	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.210
SS00056	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.105
SS00057	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.210
SS00059	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.210

SS00060	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.210
SS00061	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.105
SS00062	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.210
SS00063	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.105
SS00064	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.210
SS00067	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.210
SS00068	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.210
SS00071	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.210
SS00074	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.210
SS00075	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.105
SS00080	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.314
SS00081	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.105
SS00083	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.210
SS00084	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.210
SS00089	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.105
SS00090	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.105
SS00091	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.105
SS00092	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.210
SS00093	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.105
SS00095	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.105
SS00096	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.314
SS00097	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.105
SS00100	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.105
SS00113	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.733
SS00114	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.524
SS00115	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.314
SS00116	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.419
SS00117	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.210
SS00118	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.105
SS00120	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.105
SS00121	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.105
SS00122	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.419

SS00125	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.629
SS00126	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.524
SS00128	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.105
SS00129	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.210
SS00130	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.105
SS00131	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.105
SS00132	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.419
SS00133	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.210
SS00134	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.210
SS00135	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.210
SS00136	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.838
SS00137	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.419
SS00138	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.210
SS00139	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.210
SS00140	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.419
SS00141	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.210
SS00142	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.419
SS00143	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.314
SS00144	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.105
SS00145	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.419
SS00146	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.419
SS00148	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.105
SS00149	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.733
SS00151	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.105
SS00152	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.105
SS00154	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.210
SS00156	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.105
SS00157	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.105
SS00158	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.105
SS00159	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.629
SS00160	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.838

SS00163	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0 0.943
SS00164	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0 1.048
SS00165	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0 0.838
SS00166	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0 0.943
SS00167	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0 1.048
SS00168	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0 1.048
SS00169	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0 0.524
SS00173	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0 0.105
SS00174	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0 1.048
SS00175	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0 1.048
SS00176	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0 1.048
SS00177	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0 0.210
SS00178	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0 0.314
SS00185	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0 0.838
SS00186	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0 1.153
SS00187	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0 0.524
SS00188	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0 0.314
SS00189	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0 0.838
SS00190	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0 0.733
SS00192	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0 0.524
SS00193	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0 0.210
SS00194	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0 0.210
SS00195	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0 0.838
SS00196	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0 1.048
SS00197	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0 0.314
SS00198	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0 0.733
SS00199	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0 0.419
SS00200	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0 0.419
SS00201	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0 0.629
SS00202	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0 0.733
SS00204	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0 0.419
SS00205	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0 0.733

SS00206	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	1.048
SS00207	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.733
SS00208	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.629
SS00209	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.314
SS00210	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.210
SS00211	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.943
SS00212	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.838
SS00214	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.419
SS00215	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.524
SS00216	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.419
SS00217	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	1.048
SS00218	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.629
SS00219	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.629
SS00220	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	1.048
SS00223	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.943
SS00224	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.105
SS00225	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.524
SS00227	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.629
SS00228	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.629
SS00229	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	1.257
SS00230	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.629
SS00231	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.419
SS00232	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.105
SS00233	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.629
SS00234	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	1.572
SS00235	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	1.048
SS00236	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.524
SS00237	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	1.153
SS00238	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.105
SS00242	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.105
SS00243	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.314

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SS00244          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      0.524

SS00245          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      0.524

SS00246          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      0.629

SS00248          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      1.257

SS00249          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      1.257

SS00250          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      1.048

SS00251          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      1.257

SS00252          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      0.943

SS00253          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      0.943

SS00255          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      0.943

SS00257          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      0.733
   0.570    COMMERCIAL
SS00258          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      0.524
   0.051    COMMERCIAL
SS00259          FLOW             COMMERCIAL        FLOW     1.0      1.656

SS00262          FLOW             COMMERCIAL        FLOW     1.0      0.777

SS00263          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      0.419
   0.340    COMMERCIAL
SS00264          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      1.048

SS00266          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      1.048

SS00268          FLOW             COMMERCIAL        FLOW     1.0      0.115

SS00269          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      0.733
   4.079    COMMERCIAL
SS00272          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      0.943

SS00273          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      1.257

SS00278          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      0.419

SS00279          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      0.524

SS00280          FLOW             COMMERCIAL        FLOW     1.0      0.025

SS00281          FLOW             COMMERCIAL        FLOW     1.0      0.064

SS00283          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      0.210

SSC00001         FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      0.733

SSC00002         FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      0.629

SSC00003         FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      0.210

SSC00005         FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      0.210

SSC00006         FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      0.210

SS00203E         FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      1.153
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SS00203N          FLOW              RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      0.419

SS00316           FLOW              RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      0.210


[CURVES]
;;Name            Type       X-Value    Y-Value
;;--------------- ---------- ---------- ----------
;LL PUMP
NORTHCREEK_PUMP1 Pump3      44         200
;
;HL PUMP
NORTHCREEK_PUMP2 Pump3      44         200
;
LS00001           Storage    0          28
LS00001                      12         28
;
DischargeHeader   Storage    0          2
DischargeHeader              1          2

[TIMESERIES]
;;Name            Date       Time       Value
;;--------------- ---------- ---------- ----------
;RESIDENTIAL_TYPICAL
RESIDENTIAL_TYPICAL 7/26/2016  0:00       0.65
RESIDENTIAL_TYPICAL 7/26/2016  1:00       0.34
RESIDENTIAL_TYPICAL 7/26/2016  2:00       0.22
RESIDENTIAL_TYPICAL 7/26/2016  3:00       0.2
RESIDENTIAL_TYPICAL 7/26/2016  4:00       0.21
RESIDENTIAL_TYPICAL 7/26/2016  5:00       0.25
RESIDENTIAL_TYPICAL 7/26/2016  6:00       0.6
RESIDENTIAL_TYPICAL 7/26/2016  7:00       1.26
RESIDENTIAL_TYPICAL 7/26/2016  8:00       1.61
RESIDENTIAL_TYPICAL 7/26/2016  9:00       1.68
RESIDENTIAL_TYPICAL 7/26/2016  10:00      1.64
RESIDENTIAL_TYPICAL 7/26/2016  11:00      1.5
RESIDENTIAL_TYPICAL 7/26/2016  12:00      1.34
RESIDENTIAL_TYPICAL 7/26/2016  13:00      1.18
RESIDENTIAL_TYPICAL 7/26/2016  14:00      1.09
RESIDENTIAL_TYPICAL 7/26/2016  15:00      0.99
RESIDENTIAL_TYPICAL 7/26/2016  16:00      1
RESIDENTIAL_TYPICAL 7/26/2016  17:00      1.08
RESIDENTIAL_TYPICAL 7/26/2016  18:00      1.23
RESIDENTIAL_TYPICAL 7/26/2016  19:00      1.33
RESIDENTIAL_TYPICAL 7/26/2016  20:00      1.31
RESIDENTIAL_TYPICAL 7/26/2016  21:00      1.21
RESIDENTIAL_TYPICAL 7/26/2016  22:00      1.12
RESIDENTIAL_TYPICAL 7/26/2016  23:00      0.94
RESIDENTIAL_TYPICAL 7/27/2016  0:00       0.65
RESIDENTIAL_TYPICAL 7/27/2016  1:00       0.34
RESIDENTIAL_TYPICAL 7/27/2016  2:00       0.22
RESIDENTIAL_TYPICAL 7/27/2016  3:00       0.2
RESIDENTIAL_TYPICAL 7/27/2016  4:00       0.21
RESIDENTIAL_TYPICAL 7/27/2016  5:00       0.25
RESIDENTIAL_TYPICAL 7/27/2016  6:00       0.6
RESIDENTIAL_TYPICAL 7/27/2016  7:00       1.26
RESIDENTIAL_TYPICAL 7/27/2016  8:00       1.61
RESIDENTIAL_TYPICAL 7/27/2016  9:00       1.68
RESIDENTIAL_TYPICAL 7/27/2016  10:00      1.64
RESIDENTIAL_TYPICAL 7/27/2016  11:00      1.5
RESIDENTIAL_TYPICAL 7/27/2016  12:00      1.34
RESIDENTIAL_TYPICAL 7/27/2016  13:00      1.18
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RESIDENTIAL_TYPICAL 7/27/2016  14:00      1.09
RESIDENTIAL_TYPICAL 7/27/2016  15:00      0.99
RESIDENTIAL_TYPICAL 7/27/2016  16:00      1
RESIDENTIAL_TYPICAL 7/27/2016  17:00      1.08
RESIDENTIAL_TYPICAL 7/27/2016  18:00      1.23
RESIDENTIAL_TYPICAL 7/27/2016  19:00      1.33
RESIDENTIAL_TYPICAL 7/27/2016  20:00      1.31
RESIDENTIAL_TYPICAL 7/27/2016  21:00      1.21
RESIDENTIAL_TYPICAL 7/27/2016  22:00      1.12
RESIDENTIAL_TYPICAL 7/27/2016  23:00      0.94
RESIDENTIAL_TYPICAL 7/28/2016  0:00       0.65
RESIDENTIAL_TYPICAL 7/28/2016  1:00       0.34
RESIDENTIAL_TYPICAL 7/28/2016  2:00       0.22
RESIDENTIAL_TYPICAL 7/28/2016  3:00       0.2
RESIDENTIAL_TYPICAL 7/28/2016  4:00       0.21
RESIDENTIAL_TYPICAL 7/28/2016  5:00       0.25
RESIDENTIAL_TYPICAL 7/28/2016  6:00       0.6
RESIDENTIAL_TYPICAL 7/28/2016  7:00       1.26
RESIDENTIAL_TYPICAL 7/28/2016  8:00       1.61
RESIDENTIAL_TYPICAL 7/28/2016  9:00       1.68
RESIDENTIAL_TYPICAL 7/28/2016  10:00      1.64
RESIDENTIAL_TYPICAL 7/28/2016  11:00      1.5
RESIDENTIAL_TYPICAL 7/28/2016  12:00      1.34
RESIDENTIAL_TYPICAL 7/28/2016  13:00      1.18
RESIDENTIAL_TYPICAL 7/28/2016  14:00      1.09
RESIDENTIAL_TYPICAL 7/28/2016  15:00      0.99
RESIDENTIAL_TYPICAL 7/28/2016  16:00      1
RESIDENTIAL_TYPICAL 7/28/2016  17:00      1.08
RESIDENTIAL_TYPICAL 7/28/2016  18:00      1.23
RESIDENTIAL_TYPICAL 7/28/2016  19:00      1.33
RESIDENTIAL_TYPICAL 7/28/2016  20:00      1.31
RESIDENTIAL_TYPICAL 7/28/2016  21:00      1.21
RESIDENTIAL_TYPICAL 7/28/2016  22:00      1.12
RESIDENTIAL_TYPICAL 7/28/2016  23:00      0.94
RESIDENTIAL_TYPICAL 7/29/2016  0:00       0.65
RESIDENTIAL_TYPICAL 7/29/2016  1:00       0.34
RESIDENTIAL_TYPICAL 7/29/2016  2:00       0.22
RESIDENTIAL_TYPICAL 7/29/2016  3:00       0.2
RESIDENTIAL_TYPICAL 7/29/2016  4:00       0.21
RESIDENTIAL_TYPICAL 7/29/2016  5:00       0.25
RESIDENTIAL_TYPICAL 7/29/2016  6:00       0.6
RESIDENTIAL_TYPICAL 7/29/2016  7:00       1.26
RESIDENTIAL_TYPICAL 7/29/2016  8:00       1.61
RESIDENTIAL_TYPICAL 7/29/2016  9:00       1.68
RESIDENTIAL_TYPICAL 7/29/2016  10:00      1.64
RESIDENTIAL_TYPICAL 7/29/2016  11:00      1.5
RESIDENTIAL_TYPICAL 7/29/2016  12:00      1.34
RESIDENTIAL_TYPICAL 7/29/2016  13:00      1.18
RESIDENTIAL_TYPICAL 7/29/2016  14:00      1.09
RESIDENTIAL_TYPICAL 7/29/2016  15:00      0.99
RESIDENTIAL_TYPICAL 7/29/2016  16:00      1
RESIDENTIAL_TYPICAL 7/29/2016  17:00      1.08
RESIDENTIAL_TYPICAL 7/29/2016  18:00      1.23
RESIDENTIAL_TYPICAL 7/29/2016  19:00      1.33
RESIDENTIAL_TYPICAL 7/29/2016  20:00      1.31
RESIDENTIAL_TYPICAL 7/29/2016  21:00      1.21
RESIDENTIAL_TYPICAL 7/29/2016  22:00      1.12
RESIDENTIAL_TYPICAL 7/29/2016  23:00      0.94
RESIDENTIAL_TYPICAL 7/30/2016  0:00       0.65
;
COMMERCIAL       7/26/2016  0:00       0.97
COMMERCIAL       7/26/2016  1:00       0.85
COMMERCIAL       7/26/2016  2:00       0.72
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COMMERCIAL	7/26/2016	3:00	0.64
COMMERCIAL	7/26/2016	4:00	0.58
COMMERCIAL	7/26/2016	5:00	0.55
COMMERCIAL	7/26/2016	6:00	0.59
COMMERCIAL	7/26/2016	7:00	0.77
COMMERCIAL	7/26/2016	8:00	1.02
COMMERCIAL	7/26/2016	9:00	1.07
COMMERCIAL	7/26/2016	10:00	1.15
COMMERCIAL	7/26/2016	11:00	1.24
COMMERCIAL	7/26/2016	12:00	1.24
COMMERCIAL	7/26/2016	13:00	1.23
COMMERCIAL	7/26/2016	14:00	1.20
COMMERCIAL	7/26/2016	15:00	1.16
COMMERCIAL	7/26/2016	16:00	1.13
COMMERCIAL	7/26/2016	17:00	1.15
COMMERCIAL	7/26/2016	18:00	1.13
COMMERCIAL	7/26/2016	19:00	1.17
COMMERCIAL	7/26/2016	20:00	1.20
COMMERCIAL	7/26/2016	21:00	1.18
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COMMERCIAL	7/26/2016	23:00	1.09
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RESIDENTIAL_TYPICAL_ADJUST 7/26/2016 12:00 1.43
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RESIDENTIAL_TYPICAL_ADJUST 7/26/2016 18:00 1.31
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[PATTERNS]
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;;Reporting Options
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CONTROLS   NO
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SUBCATCHMENTS ALL
NODES ALL
LINKS ALL

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SS00183	3142739.621	1332215.559
SS00184	3142999.935	1332017.782
SS00185	3137461.154	1328255.507
SS00186	3137459.613	1328532.108
SS00187	3137454.095	1328901.734
SS00188	3137454.031	1329282.976
SS00189	3137451.588	1329423.862
SS00190	3137713.177	1329425.740
SS00191	3137972.347	1329425.893
SS00192	3138144.734	1329428.031
SS00193	3138146.988	1329287.120
SS00194	3138147.693	1329166.590
SS00195	3137845.368	1329163.552
SS00196	3137522.402	1329162.537
SS00197	3137529.757	1328902.383
SS00198	3137725.013	1328904.736
SS00199	3137972.028	1328904.674
SS00200	3138150.053	1328905.844
SS00201	3138149.442	1328637.280
SS00202	3138153.159	1328367.157
SS00204	3137726.268	1328634.094
SS00205	3137881.070	1328634.537
SS00206	3137439.237	1329782.679
SS00207	3137438.308	1330087.641
SS00208	3137433.429	1330343.292
SS00209	3137695.776	1330345.794
SS00210	3137964.801	1330346.398
SS00211	3138236.391	1330349.328
SS00212	3138237.343	1330023.907
SS00213	3138442.634	1329701.853
SS00214	3137970.674	1329711.329
SS00215	3137584.493	1329705.611
SS00216	3137335.288	1329703.190
SS00217	3137699.937	1329783.038
SS00218	3137698.959	1330091.023
SS00219	3137966.544	1330090.956
SS00220	3137969.312	1329784.729
SS00221	3137964.981	1330479.426
SS00222	3138238.970	1329700.377
SS00223	3137474.158	1332016.320
SS00224	3137478.728	1331647.162
SS00225	3137478.047	1331634.884
SS00226	3137478.258	1331390.704
SS00227	3137481.613	1330989.329
SS00228	3137635.964	1331044.320
SS00229	3137762.008	1331045.581
SS00230	3138161.154	1331054.511
SS00231	3138460.995	1331057.050
SS00232	3138457.271	1331408.227
SS00233	3138163.013	1331404.501
SS00234	3137763.496	1331396.677
SS00235	3137628.515	1331956.856
SS00236	3137921.828	1331961.845
SS00237	3138217.162	1331968.550
SS00238	3138615.458	1331974.872
SS00239	3138615.237	1331732.746
SS00240	3142091.135	1333476.963

SS00241	3142151.900	1333538.562
SS00242	3142134.157	1333770.521
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SS00244	3138452.765	1328574.497
SS00245	3138450.524	1328866.861
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SS00247	3138638.907	1329703.532
SS00248	3138644.462	1329303.454
SS00249	3138648.300	1328917.209
SS00250	3138653.550	1328532.665
SS00251	3138654.838	1328251.453
SS00252	3139028.932	1329708.311
SS00253	3139031.496	1329322.049
SS00254	3139032.233	1328971.677
SS00255	3139034.792	1328572.649
SS00256	3139413.888	1328976.538
SS00257	3139415.531	1328559.790
SS00258	3139417.406	1328180.985
SS00259	3139236.880	1328178.434
SS00260	3138936.932	1328173.282
SS00261	3138636.678	1328167.549
SS00262	3138377.948	1328163.194
SS00263	3139412.478	1329325.578
SS00264	3139406.065	1329725.776
SS00265	3139196.456	1329740.315
SS00266	3139778.852	1329992.803
SS00267	3139777.275	1329718.862
SS00268	3139779.440	1329609.002
SS00269	3139784.934	1329322.035
SS00270	3139792.671	1328976.866
SS00271	3139834.699	1328970.375
SS00272	3140542.094	1328298.980
SS00273	3140540.919	1328574.050
SS00274	3140541.039	1328956.593
SS00275	3140677.102	1328956.545
SS00276	3140293.717	1328958.666
SS00277	3140164.619	1328961.525
SS00278	3140164.902	1328552.379
SS00279	3140166.818	1328194.580
SS00280	3139991.647	1328190.139
SS00281	3139996.436	1327872.406
SS00282	3143160.656	1338888.250
SS00283	3142601.313	1332427.767
SS00284	3142723.695	1332728.763
SS00285	3147269.590	1327539.792
SS00286	3144339.959	1336671.144
SS00287	3144575.152	1336563.149
SS00288	3144768.420	1336233.808
SS00289	3144570.651	1335896.325
SS00290	3144517.880	1335814.061
SS00291	3144245.714	1335522.092
SS00292	3141980.827	1333274.884
SS00293	3142013.872	1332932.752
SS00294	3142049.343	1332585.675
SS00295	3142356.971	1332356.024
SS00296	3143031.249	1331069.030
SS00297	3143094.746	1330934.609
SS00298	3143245.487	1330767.185
SS00299	3143442.556	1330398.203
SS00300	3143644.588	1330032.021
SS00301	3143647.288	1329812.193
SS00302	3143457.674	1329496.277
SS00303	3141019.050	1328961.848

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SS00304           3141428.761        1328960.737
SS00305           3141563.333        1329166.865
SS00306           3141934.439        1329172.970
SS00307           3142335.259        1329221.380
SS00308           3142743.591        1329215.217
SS00309           3142954.648        1329206.074
SS00310           3143134.123        1329196.003
SS00311           3143499.301        1329288.190
SS00312           3143698.890        1329381.224
SS00313           3144068.041        1329227.892
SS00314           3144389.204        1329091.438
SS00315           3144760.759        1328936.307
SSC00001          3139036.558        1328350.704
SSC00002          3139193.323        1330055.683
SSC00003          3139403.294        1330015.385
SSC00004          3137305.584        1331635.364
SSC00005          3138273.855        1328574.601
SSC00006          3138478.687        1331009.001
SSC00007          3144135.657        1337625.228
SS00203E          3137729.330        1328364.102
SS00203N          3137729.175        1328364.306
LS00001dh         3138467.614        1331445.298
SS00316           3143284.683        1336015.808
SS00317           3141279.735        1328961.141
WWTF00001         3147369.292        1327539.810
LS00001           3138460.052        1331448.695

[VERTICES]
;;Link           X-Coord            Y-Coord
;;-------------- ------------------ ------------------
FM00001           3138468.240        1330848.356
FM00001           3137960.730        1330842.204
NORTHCREEK_PUMP2 3138465.440        1331450.274


[BACKDROP]
FILE       "C:\Users\LAT\Desktop\Town of Mead\swmm\Town of Mead Aerial.jpg"
DIMENSIONS 3132318.888 1326778.172 3151696.299 1341078.620
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EPA STORM WATER MANAGEMENT MODEL - VERSION 5.1 (Build 5.1.011)

1970.63c - Town of Mead Sanitary Sewer As-Built System 2016

****
Element Count
****
Number of rain gages 0
Number of subcatchments ... 0
Number of nodes 328
Number of links 329
Number of pollutants 0
Number of land uses 0

****
Node Summary
****

Name	Type	Invert Elev.	Max. Depth	Ponded Area	External Inflow
SS00001	JUNCTION	5074.35	9.23	0.0	Yes
SS00002	JUNCTION	5073.17	9.87	0.0	Yes
SS00003	JUNCTION	5072.22	12.03	0.0	Yes
SS00004	JUNCTION	5070.71	11.54	0.0	Yes
SS00005	JUNCTION	5065.48	12.69	0.0	Yes
SS00006	JUNCTION	5061.71	9.66	0.0	Yes
SS00007	JUNCTION	5061.17	9.66	0.0	Yes
SS00008	JUNCTION	5060.33	9.71	0.0	
SS00009	JUNCTION	5057.95	10.01	0.0	Yes
SS00010	JUNCTION	5060.72	10.11	0.0	Yes
SS00011	JUNCTION	5063.21	10.17	0.0	Yes
SS00012	JUNCTION	5055.17	10.31	0.0	Yes
SS00013	JUNCTION	5048.99	12.14	0.0	Yes
SS00014	JUNCTION	5047.90	11.80	0.0	Yes
SS00015	JUNCTION	5045.06	15.17	0.0	Yes
SS00016	JUNCTION	5044.50	16.08	0.0	Yes
SS00017	JUNCTION	5043.71	17.69	0.0	Yes
SS00018	JUNCTION	5045.00	17.30	0.0	Yes
SS00019	JUNCTION	5072.34	8.55	0.0	Yes
SS00020	JUNCTION	5071.47	9.90	0.0	Yes
SS00021	JUNCTION	5063.69	9.84	0.0	
SS00022	JUNCTION	5057.56	9.93	0.0	Yes
SS00023	JUNCTION	5056.85	9.92	0.0	Yes
SS00024	JUNCTION	5055.62	10.15	0.0	Yes
SS00025	JUNCTION	5054.29	9.99	0.0	
SS00026	JUNCTION	5049.44	13.06	0.0	Yes
SS00027	JUNCTION	5048.28	13.60	0.0	Yes
SS00028	JUNCTION	5047.05	15.59	0.0	Yes
SS00029	JUNCTION	5040.60	22.81	0.0	
SS00030	JUNCTION	5041.71	21.00	0.0	Yes
SS00031	JUNCTION	5042.33	20.25	0.0	Yes
SS00032	JUNCTION	5042.75	19.02	0.0	Yes
SS00033	JUNCTION	5054.81	10.23	0.0	Yes
SS00034	JUNCTION	5054.23	10.11	0.0	Yes
SS00035	JUNCTION	5052.81	10.57	0.0	Yes
SS00036	JUNCTION	5051.06	10.35	0.0	Yes
SS00037	JUNCTION	5049.24	12.78	0.0	Yes
SS00038	JUNCTION	5048.45	13.92	0.0	Yes
SS00039	JUNCTION	5047.66	15.56	0.0	Yes

SS00040	JUNCTION	5047.03	16.53	0.0	Yes
SS00041	JUNCTION	5046.23	17.65	0.0	Yes
SS00042	JUNCTION	5042.97	10.16	0.0	Yes
SS00043	JUNCTION	5040.42	9.88	0.0	Yes
SS00044	JUNCTION	5039.12	9.15	0.0	Yes
SS00045	JUNCTION	5033.75	10.80	0.0	
SS00046	JUNCTION	5030.12	14.69	0.0	Yes
SS00047	JUNCTION	5028.68	13.69	0.0	Yes
SS00048	JUNCTION	5027.41	17.41	0.0	Yes
SS00049	JUNCTION	5025.57	18.39	0.0	
SS00050	JUNCTION	5024.27	17.84	0.0	Yes
SS00051	JUNCTION	5022.93	13.99	0.0	Yes
SS00052	JUNCTION	5021.68	11.35	0.0	Yes
SS00053	JUNCTION	4972.71	14.82	0.0	
SS00054	JUNCTION	4981.28	13.65	0.0	
SS00055	JUNCTION	4993.33	12.71	0.0	Yes
SS00056	JUNCTION	5001.76	12.20	0.0	Yes
SS00057	JUNCTION	5004.61	11.95	0.0	Yes
SS00058	JUNCTION	5006.59	12.10	0.0	
SS00059	JUNCTION	5012.50	11.04	0.0	Yes
SS00060	JUNCTION	5019.60	9.30	0.0	Yes
SS00061	JUNCTION	5023.48	9.92	0.0	Yes
SS00062	JUNCTION	5018.59	13.43	0.0	Yes
SS00063	JUNCTION	5009.84	13.46	0.0	Yes
SS00064	JUNCTION	4997.44	15.97	0.0	Yes
SS00065	JUNCTION	4993.83	12.41	0.0	
SS00066	JUNCTION	5012.54	15.75	0.0	
SS00067	JUNCTION	5009.80	13.73	0.0	Yes
SS00068	JUNCTION	5007.53	13.77	0.0	Yes
SS00069	JUNCTION	5005.28	13.65	0.0	
SS00070	JUNCTION	5014.85	13.52	0.0	
SS00071	JUNCTION	5017.49	13.90	0.0	Yes
SS00072	JUNCTION	5015.77	14.02	0.0	
SS00073	JUNCTION	5013.65	13.87	0.0	
SS00074	JUNCTION	5011.08	13.93	0.0	Yes
SS00075	JUNCTION	5006.92	13.64	0.0	Yes
SS00076	JUNCTION	5004.40	13.92	0.0	
SS00077	JUNCTION	5001.09	13.85	0.0	
SS00078	JUNCTION	4996.89	13.89	0.0	
SS00079	JUNCTION	4994.76	13.61	0.0	
SS00080	JUNCTION	4997.22	13.68	0.0	Yes
SS00081	JUNCTION	4990.76	13.60	0.0	Yes
SS00082	JUNCTION	4988.05	12.45	0.0	
SS00083	JUNCTION	4987.50	11.57	0.0	Yes
SS00084	JUNCTION	4987.51	14.45	0.0	Yes
SS00085	JUNCTION	4985.48	11.25	0.0	
SS00086	JUNCTION	4986.23	11.39	0.0	
SS00087	JUNCTION	4984.29	11.26	0.0	
SS00088	JUNCTION	4983.16	15.23	0.0	
SS00089	JUNCTION	5021.12	11.59	0.0	Yes
SS00090	JUNCTION	5018.45	10.84	0.0	Yes
SS00091	JUNCTION	5012.58	10.72	0.0	Yes
SS00092	JUNCTION	5007.04	10.65	0.0	Yes
SS00093	JUNCTION	5003.55	10.59	0.0	Yes
SS00094	JUNCTION	5001.17	10.53	0.0	
SS00095	JUNCTION	4999.32	10.65	0.0	Yes
SS00096	JUNCTION	5004.23	10.51	0.0	Yes
SS00097	JUNCTION	4995.62	10.60	0.0	Yes
SS00098	JUNCTION	4991.53	10.31	0.0	
SS00099	JUNCTION	4982.20	17.97	0.0	
SS00100	JUNCTION	4980.30	17.71	0.0	Yes
SS00101	JUNCTION	4974.38	14.54	0.0	
SS00102	JUNCTION	4915.09	16.11	0.0	

SS00103	JUNCTION	4916.13	9.89	0.0	
SS00104	JUNCTION	4916.73	7.93	0.0	
SS00105	JUNCTION	4916.93	11.18	0.0	
SS00106	JUNCTION	4917.38	5.30	0.0	
SS00107	JUNCTION	4917.71	14.44	0.0	
SS00108	JUNCTION	4917.89	15.96	0.0	
SS00109	JUNCTION	4918.21	19.99	0.0	
SS00110	JUNCTION	4918.34	19.42	0.0	
SS00111	JUNCTION	4918.61	12.01	0.0	
SS00112	JUNCTION	4992.78	9.26	0.0	
SS00113	JUNCTION	4987.33	13.79	0.0	Yes
SS00114	JUNCTION	4983.29	12.98	0.0	Yes
SS00115	JUNCTION	4978.13	13.44	0.0	Yes
SS00116	JUNCTION	4974.08	13.72	0.0	Yes
SS00117	JUNCTION	4970.16	14.07	0.0	Yes
SS00118	JUNCTION	4967.20	13.61	0.0	Yes
SS00119	JUNCTION	4964.37	13.88	0.0	
SS00120	JUNCTION	4962.38	12.45	0.0	Yes
SS00121	JUNCTION	4959.08	12.45	0.0	Yes
SS00122	JUNCTION	4952.06	13.49	0.0	Yes
SS00123	JUNCTION	4950.29	14.26	0.0	
SS00124	JUNCTION	4950.83	14.08	0.0	
SS00125	JUNCTION	4968.95	13.80	0.0	Yes
SS00126	JUNCTION	4976.60	13.10	0.0	Yes
SS00127	JUNCTION	4978.18	12.46	0.0	
SS00128	JUNCTION	4978.96	12.54	0.0	Yes
SS00129	JUNCTION	4981.61	14.45	0.0	Yes
SS00130	JUNCTION	4982.06	15.03	0.0	Yes
SS00131	JUNCTION	4982.55	15.05	0.0	Yes
SS00132	JUNCTION	4983.98	11.39	0.0	Yes
SS00133	JUNCTION	4978.98	13.57	0.0	Yes
SS00134	JUNCTION	4980.25	13.79	0.0	Yes
SS00135	JUNCTION	4982.91	14.51	0.0	Yes
SS00136	JUNCTION	4986.93	13.86	0.0	Yes
SS00137	JUNCTION	4968.34	13.67	0.0	Yes
SS00138	JUNCTION	4979.35	12.55	0.0	Yes
SS00139	JUNCTION	4976.96	12.57	0.0	Yes
SS00140	JUNCTION	4974.65	12.74	0.0	Yes
SS00141	JUNCTION	4972.37	12.44	0.0	Yes
SS00142	JUNCTION	4970.22	12.52	0.0	Yes
SS00143	JUNCTION	4966.14	12.40	0.0	Yes
SS00144	JUNCTION	4963.98	12.69	0.0	Yes
SS00145	JUNCTION	4955.71	11.74	0.0	Yes
SS00146	JUNCTION	4957.29	12.13	0.0	Yes
SS00147	JUNCTION	4956.05	12.95	0.0	
SS00148	JUNCTION	4955.77	12.50	0.0	Yes
SS00149	JUNCTION	4954.92	12.71	0.0	Yes
SS00150	JUNCTION	4945.72	15.37	0.0	
SS00151	JUNCTION	4946.27	14.87	0.0	Yes
SS00152	JUNCTION	4950.26	11.91	0.0	Yes
SS00153	JUNCTION	4946.82	14.90	0.0	
SS00154	JUNCTION	4948.06	16.43	0.0	Yes
SS00155	JUNCTION	4949.41	15.79	0.0	
SS00156	JUNCTION	4974.68	12.17	0.0	Yes
SS00157	JUNCTION	4972.01	13.80	0.0	Yes
SS00158	JUNCTION	4961.99	12.95	0.0	Yes
SS00159	JUNCTION	4949.30	12.33	0.0	Yes
SS00160	JUNCTION	4950.66	5.82	0.0	Yes
SS00161	JUNCTION	4944.99	12.46	0.0	
SS00162	JUNCTION	4944.79	7.01	0.0	
SS00163	JUNCTION	4989.11	9.21	0.0	Yes
SS00164	JUNCTION	4983.94	8.49	0.0	Yes
SS00165	JUNCTION	4979.30	8.35	0.0	Yes

SS00166	JUNCTION	4974.53	8.31	0.0	Yes
SS00167	JUNCTION	4967.54	10.41	0.0	Yes
SS00168	JUNCTION	4961.11	10.62	0.0	Yes
SS00169	JUNCTION	4954.67	10.72	0.0	Yes
SS00170	JUNCTION	4948.24	9.31	0.0	
SS00171	JUNCTION	4948.58	8.76	0.0	
SS00172	JUNCTION	4949.28	8.70	0.0	
SS00173	JUNCTION	4946.56	11.05	0.0	Yes
SS00174	JUNCTION	4952.18	9.60	0.0	Yes
SS00175	JUNCTION	4957.00	13.07	0.0	Yes
SS00176	JUNCTION	4968.51	10.47	0.0	Yes
SS00177	JUNCTION	4970.70	10.06	0.0	Yes
SS00178	JUNCTION	4973.70	9.89	0.0	Yes
SS00179	JUNCTION	4938.96	15.27	0.0	
SS00180	JUNCTION	4937.64	7.00	0.0	
SS00181	JUNCTION	4939.12	8.62	0.0	
SS00182	JUNCTION	4939.71	8.30	0.0	
SS00183	JUNCTION	4941.72	12.07	0.0	
SS00184	JUNCTION	4943.17	9.84	0.0	
SS00185	JUNCTION	5049.88	10.89	0.0	Yes
SS00186	JUNCTION	5047.92	11.79	0.0	Yes
SS00187	JUNCTION	5045.23	11.37	0.0	Yes
SS00188	JUNCTION	5041.91	11.72	0.0	Yes
SS00189	JUNCTION	5039.65	11.97	0.0	Yes
SS00190	JUNCTION	5034.62	11.30	0.0	Yes
SS00191	JUNCTION	5029.98	12.00	0.0	
SS00192	JUNCTION	5031.31	11.92	0.0	Yes
SS00193	JUNCTION	5032.77	11.67	0.0	Yes
SS00194	JUNCTION	5033.93	11.36	0.0	Yes
SS00195	JUNCTION	5035.95	12.32	0.0	Yes
SS00196	JUNCTION	5041.65	11.70	0.0	Yes
SS00197	JUNCTION	5043.18	11.78	0.0	Yes
SS00198	JUNCTION	5039.34	11.70	0.0	Yes
SS00199	JUNCTION	5036.75	11.62	0.0	Yes
SS00200	JUNCTION	5035.36	11.25	0.0	Yes
SS00201	JUNCTION	5037.97	11.57	0.0	Yes
SS00202	JUNCTION	5039.99	11.49	0.0	Yes
SS00204	JUNCTION	5041.32	11.79	0.0	Yes
SS00205	JUNCTION	5042.45	11.93	0.0	Yes
SS00206	JUNCTION	5039.14	11.44	0.0	Yes
SS00207	JUNCTION	5035.96	11.64	0.0	Yes
SS00208	JUNCTION	5033.10	11.91	0.0	Yes
SS00209	JUNCTION	5030.91	11.75	0.0	Yes
SS00210	JUNCTION	5025.51	11.55	0.0	Yes
SS00211	JUNCTION	5023.99	11.27	0.0	Yes
SS00212	JUNCTION	5022.27	15.17	0.0	Yes
SS00213	JUNCTION	5016.67	13.87	0.0	
SS00214	JUNCTION	5027.32	13.02	0.0	Yes
SS00215	JUNCTION	5035.14	13.96	0.0	Yes
SS00216	JUNCTION	5037.92	15.50	0.0	Yes
SS00217	JUNCTION	5035.88	11.12	0.0	Yes
SS00218	JUNCTION	5033.45	11.19	0.0	Yes
SS00219	JUNCTION	5027.09	11.10	0.0	Yes
SS00220	JUNCTION	5028.65	10.69	0.0	Yes
SS00221	JUNCTION	5027.15	10.61	0.0	
SS00222	JUNCTION	5017.24	19.52	0.0	
SS00223	JUNCTION	5021.97	9.16	0.0	Yes
SS00224	JUNCTION	5016.93	9.30	0.0	Yes
SS00225	JUNCTION	5016.83	9.33	0.0	Yes
SS00226	JUNCTION	5015.28	11.65	0.0	
SS00227	JUNCTION	5021.23	9.03	0.0	Yes
SS00228	JUNCTION	5019.71	10.78	0.0	Yes
SS00229	JUNCTION	5018.35	12.96	0.0	Yes

SS00230	JUNCTION	5016.25	13.99	0.0	Yes
SS00231	JUNCTION	5013.02	9.44	0.0	Yes
SS00232	JUNCTION	5009.04	9.63	0.0	Yes
SS00233	JUNCTION	5011.21	14.70	0.0	Yes
SS00234	JUNCTION	5013.58	12.39	0.0	Yes
SS00235	JUNCTION	5019.05	9.22	0.0	Yes
SS00236	JUNCTION	5016.21	9.51	0.0	Yes
SS00237	JUNCTION	5013.83	9.87	0.0	Yes
SS00238	JUNCTION	5010.99	10.15	0.0	Yes
SS00239	JUNCTION	5007.70	11.44	0.0	
SS00240	JUNCTION	4961.31	12.42	0.0	
SS00241	JUNCTION	4971.92	15.40	0.0	
SS00242	JUNCTION	4972.43	9.11	0.0	Yes
SS00243	JUNCTION	5041.07	12.59	0.0	Yes
SS00244	JUNCTION	5026.28	13.25	0.0	Yes
SS00245	JUNCTION	5024.21	13.91	0.0	Yes
SS00246	JUNCTION	5020.72	14.15	0.0	Yes
SS00247	JUNCTION	5015.88	12.67	0.0	
SS00248	JUNCTION	5020.55	11.70	0.0	Yes
SS00249	JUNCTION	5022.82	11.44	0.0	Yes
SS00250	JUNCTION	5024.48	10.84	0.0	Yes
SS00251	JUNCTION	5036.51	9.98	0.0	Yes
SS00252	JUNCTION	5014.85	5.39	0.0	Yes
SS00253	JUNCTION	5013.07	9.75	0.0	Yes
SS00254	JUNCTION	5011.50	11.81	0.0	
SS00255	JUNCTION	5017.71	6.95	0.0	Yes
SS00256	JUNCTION	4999.61	10.55	0.0	
SS00257	JUNCTION	5005.52	7.17	0.0	Yes
SS00258	JUNCTION	5008.45	6.93	0.0	Yes
SS00259	JUNCTION	5011.91	8.15	0.0	Yes
SS00260	JUNCTION	5019.76	8.35	0.0	
SS00261	JUNCTION	5029.77	7.96	0.0	
SS00262	JUNCTION	5035.67	10.03	0.0	Yes
SS00263	JUNCTION	5001.50	9.93	0.0	Yes
SS00264	JUNCTION	5003.27	7.85	0.0	Yes
SS00265	JUNCTION	5009.16	6.50	0.0	
SS00266	JUNCTION	4994.66	6.31	0.0	Yes
SS00267	JUNCTION	4993.56	6.76	0.0	
SS00268	JUNCTION	4993.22	7.48	0.0	Yes
SS00269	JUNCTION	4991.91	9.55	0.0	Yes
SS00270	JUNCTION	4989.87	10.93	0.0	
SS00271	JUNCTION	4989.11	10.90	0.0	
SS00272	JUNCTION	4984.05	5.87	0.0	Yes
SS00273	JUNCTION	4979.37	5.25	0.0	Yes
SS00274	JUNCTION	4974.73	7.40	0.0	
SS00275	JUNCTION	4972.87	5.83	0.0	
SS00276	JUNCTION	4980.33	6.39	0.0	
SS00277	JUNCTION	4983.56	5.57	0.0	
SS00278	JUNCTION	4986.58	6.67	0.0	Yes
SS00279	JUNCTION	4992.32	6.93	0.0	Yes
SS00280	JUNCTION	4996.40	7.33	0.0	Yes
SS00281	JUNCTION	4997.66	7.89	0.0	Yes
SS00282	JUNCTION	5076.86	12.60	0.0	
SS00283	JUNCTION	4951.43	12.43	0.0	Yes
SS00284	JUNCTION	4963.36	13.11	0.0	
SS00285	JUNCTION	4914.35	9.65	0.0	
SS00286	JUNCTION	5040.27	13.15	0.0	
SS00287	JUNCTION	5039.19	12.30	0.0	
SS00288	JUNCTION	5038.08	7.74	0.0	
SS00289	JUNCTION	5036.57	10.60	0.0	
SS00290	JUNCTION	5036.13	13.26	0.0	
SS00291	JUNCTION	5030.11	15.60	0.0	
SS00292	JUNCTION	4955.42	9.81	0.0	

SS00293	JUNCTION	4951.31	8.69	0.0	
SS00294	JUNCTION	4943.42	11.16	0.0	
SS00295	JUNCTION	4942.19	9.21	0.0	
SS00296	JUNCTION	4935.17	6.18	0.0	
SS00297	JUNCTION	4932.78	7.06	0.0	
SS00298	JUNCTION	4930.05	6.71	0.0	
SS00299	JUNCTION	4927.02	5.78	0.0	
SS00300	JUNCTION	4923.74	5.54	0.0	
SS00301	JUNCTION	4923.10	6.27	0.0	
SS00302	JUNCTION	4922.38	10.90	0.0	
SS00303	JUNCTION	4967.65	4.36	0.0	
SS00304	JUNCTION	4953.25	10.43	0.0	
SS00305	JUNCTION	4947.11	9.61	0.0	
SS00306	JUNCTION	4943.16	9.56	0.0	
SS00307	JUNCTION	4939.16	6.60	0.0	
SS00308	JUNCTION	4934.82	6.36	0.0	
SS00309	JUNCTION	4932.44	7.54	0.0	
SS00310	JUNCTION	4930.62	7.57	0.0	
SS00311	JUNCTION	4922.16	14.49	0.0	
SS00312	JUNCTION	4921.62	10.49	0.0	
SS00313	JUNCTION	4921.18	9.03	0.0	
SS00314	JUNCTION	4920.82	9.01	0.0	
SS00315	JUNCTION	4919.52	11.77	0.0	
SSC00001	JUNCTION	5018.51	6.85	0.0	Yes
SSC00002	JUNCTION	5011.26	4.86	0.0	Yes
SSC00003	JUNCTION	5004.62	5.82	0.0	Yes
SSC00004	JUNCTION	5017.70	12.16	0.0	
SSC00005	JUNCTION	5026.83	19.17	0.0	Yes
SSC00006	JUNCTION	5013.35	11.65	0.0	Yes
SSC00007	JUNCTION	5045.31	12.69	0.0	
SS00203E	JUNCTION	5043.32	11.46	0.0	Yes
SS00203N	JUNCTION	5043.42	11.36	0.0	Yes
LS00001dh	JUNCTION	4998.00	0.33	0.0	
SS00316	JUNCTION	5032.01	11.99	0.0	Yes
SS00317	JUNCTION	4956.74	11.26	0.0	
WWTF00001	OUTFALL	4914.25	1.75	0.0	
LS00001	STORAGE	4998.00	18.92	0.0	

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Link Summary
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Name	From Node	To Node	Type	Length	%Slope	Roughness
SS00001-SS00002	SS00001	SS00002	CONDUIT	155.0	0.7613	0.0100
SS00002-SS00003	SS00002	SS00003	CONDUIT	169.3	0.5375	0.0100
SS00003-SS00004	SS00003	SS00004	CONDUIT	134.5	0.9145	0.0100
SS00004-SS00005	SS00004	SS00005	CONDUIT	186.1	2.7415	0.0100
SS00005-SS00006	SS00005	SS00006	CONDUIT	399.3	0.8966	0.0100
SS00006-SS00007	SS00006	SS00007	CONDUIT	121.0	0.3058	0.0100
SS00007-SS00008	SS00007	SS00008	CONDUIT	118.9	0.5887	0.0100
SS00008-SS00009	SS00008	SS00009	CONDUIT	143.5	1.6169	0.0100

SS00009-SS00012	SS00009	SS00012	CONDUIT	154.7	
1.6292	0.0100				
SS00010-SS00009	SS00010	SS00009	CONDUIT	245.1	
1.0160	0.0100				
SS00011-SS00010	SS00011	SS00010	CONDUIT	236.6	
0.9172	0.0100				
SS00012-SS00013	SS00012	SS00013	CONDUIT	125.7	
4.7149	0.0100				
SS00013-SS00014	SS00013	SS00014	CONDUIT	197.7	
0.4552	0.0100				
SS00014-SS00015	SS00014	SS00015	CONDUIT	129.0	
2.0625	0.0100				
SS00015-SS00016	SS00015	SS00016	CONDUIT	104.1	
0.3170	0.0100				
SS00016-SS00017	SS00016	SS00017	CONDUIT	168.6	
0.3559	0.0100				
SS00017-SS00032	SS00017	SS00032	CONDUIT	141.6	
0.4873	0.0100				
SS00018-SS00017	SS00018	SS00017	CONDUIT	210.4	
0.5466	0.0100				
SS00019-SS00020	SS00019	SS00020	CONDUIT	109.4	
0.6033	0.0100				
SS00020-SS00021	SS00020	SS00021	CONDUIT	224.8	
3.4184	0.0100				
SS00021-SS00022	SS00021	SS00022	CONDUIT	261.0	
2.2381	0.0100				
SS00022-SS00023	SS00022	SS00023	CONDUIT	142.9	
0.3639	0.0100				
SS00023-SS00024	SS00023	SS00024	CONDUIT	205.9	
0.3983	0.0100				
SS00024-SS00025	SS00024	SS00025	CONDUIT	297.6	
0.3360	0.0100				
SS00025-SS00026	SS00025	SS00026	CONDUIT	296.3	
0.8944	0.0100				
SS00026-SS00027	SS00026	SS00027	CONDUIT	230.4	
0.4080	0.0100				
SS00027-SS00028	SS00027	SS00028	CONDUIT	225.3	
0.4794	0.0100				
SS00028-SS00029	SS00028	SS00029	CONDUIT	186.3	
3.2653	0.0100				
SS00029-SS00286	SS00029	SS00286	CONDUIT	223.0	
0.1211	0.0100				
SS00030-SS00029	SS00030	SS00029	CONDUIT	223.0	
0.3767	0.0100				
SS00031-SS00030	SS00031	SS00030	CONDUIT	91.9	
0.3917	0.0100				
SS00032-SS00031	SS00032	SS00031	CONDUIT	94.3	
0.3075	0.0100				
SS00033-SS00034	SS00033	SS00034	CONDUIT	107.3	
0.2423	0.0100				
SS00034-SS00035	SS00034	SS00035	CONDUIT	229.9	
0.4393	0.0100				
SS00035-SS00036	SS00035	SS00036	CONDUIT	397.8	
0.3846	0.0100				
SS00036-SS00037	SS00036	SS00037	CONDUIT	399.3	
0.3882	0.0100				
SS00037-SS00038	SS00037	SS00038	CONDUIT	97.4	
0.5339	0.0100				
SS00038-SS00039	SS00038	SS00039	CONDUIT	129.4	
0.3787	0.0100				
SS00039-SS00040	SS00039	SS00040	CONDUIT	102.9	
0.4179	0.0100				
SS00040-SS00041	SS00040	SS00041	CONDUIT	103.3	

0.3291	0.0100				
SS00041-SS00029	SS00041	SS00029	CONDUIT	165.4	
3.1697	0.0100				
SS00042-SS00043	SS00042	SS00043	CONDUIT	173.5	
1.3085	0.0100				
SS00043-SS00044	SS00043	SS00044	CONDUIT	246.5	
0.4544	0.0100				
SS00044-SS00045	SS00044	SS00045	CONDUIT	298.1	
1.6607	0.0100				
SS00045-SS00316	SS00045	SS00316	CONDUIT	278.0	
0.6259	0.0100				
SS00046-SS00049	SS00046	SS00049	CONDUIT	339.1	
1.2328	0.0100				
SS00047-SS00048	SS00047	SS00048	CONDUIT	242.8	
0.4984	0.0100				
SS00048-SS00049	SS00048	SS00049	CONDUIT	297.0	
0.4680	0.0100				
SS00049-SS00050	SS00049	SS00050	CONDUIT	230.6	
0.4727	0.0100				
SS00050-SS00051	SS00050	SS00051	CONDUIT	229.6	
0.5836	0.0100				
SS00051-SS00052	SS00051	SS00052	CONDUIT	181.4	
0.5733	0.0100				
SS00052-SS00060	SS00052	SS00060	CONDUIT	181.8	
1.0782	0.0100				
SS00053-SS00242	SS00053	SS00242	CONDUIT	185.3	
0.0917	0.0100				
SS00054-SS00053	SS00054	SS00053	CONDUIT	198.2	
3.5997	0.0100				
SS00055-SS00054	SS00055	SS00054	CONDUIT	224.2	
5.2839	0.0100				
SS00056-SS00055	SS00056	SS00055	CONDUIT	220.8	
3.8071	0.0100				
SS00057-SS00056	SS00057	SS00056	CONDUIT	307.9	
0.8737	0.0100				
SS00058-SS00057	SS00058	SS00057	CONDUIT	253.8	
0.6738	0.0100				
SS00059-SS00058	SS00059	SS00058	CONDUIT	253.8	
2.2307	0.0100				
SS00060-SS00059	SS00060	SS00059	CONDUIT	257.1	
2.6886	0.0100				
SS00061-SS00062	SS00061	SS00062	CONDUIT	270.1	
1.6848	0.0100				
SS00062-SS00063	SS00062	SS00063	CONDUIT	408.1	
2.0686	0.0100				
SS00063-SS00064	SS00063	SS00064	CONDUIT	390.7	
3.0934	0.0100				
SS00064-SS00065	SS00064	SS00065	CONDUIT	355.9	
0.9582	0.0100				
SS00065-SS00112	SS00065	SS00112	CONDUIT	119.7	
0.6600	0.0100				
SS00066-SS00067	SS00066	SS00067	CONDUIT	235.4	
1.0536	0.0100				
SS00067-SS00068	SS00067	SS00068	CONDUIT	281.9	
0.7237	0.0100				
SS00068-SS00069	SS00068	SS00069	CONDUIT	281.2	
0.7539	0.0100				
SS00069-SS00076	SS00069	SS00076	CONDUIT	76.8	
1.0547	0.0100				
SS00070-SS00073	SS00070	SS00073	CONDUIT	124.9	
0.8487	0.0100				
SS00071-SS00072	SS00071	SS00072	CONDUIT	218.9	
0.6807	0.0100				

SS00072-SS00073	SS00072	SS00073	CONDUIT	240.7	
0.8102	0.0100				
SS00073-SS00074	SS00073	SS00074	CONDUIT	161.3	
1.4633	0.0100				
SS00074-SS00075	SS00074	SS00075	CONDUIT	284.1	
1.4644	0.0100				
SS00075-SS00076	SS00075	SS00076	CONDUIT	124.7	
1.8046	0.0100				
SS00076-SS00077	SS00076	SS00077	CONDUIT	209.1	
1.5832	0.0100				
SS00077-SS00078	SS00077	SS00078	CONDUIT	228.5	
1.7070	0.0100				
SS00078-SS00079	SS00078	SS00079	CONDUIT	125.0	
1.5762	0.0100				
SS00079-SS00081	SS00079	SS00081	CONDUIT	218.1	
1.6921	0.0100				
SS00080-SS00079	SS00080	SS00079	CONDUIT	297.2	
0.7840	0.0100				
SS00081-SS00082	SS00081	SS00082	CONDUIT	216.3	
1.1235	0.0100				
SS00082-SS00083	SS00082	SS00083	CONDUIT	105.6	
0.5019	0.0100				
SS00083-SS00086	SS00083	SS00086	CONDUIT	174.4	
0.5619	0.0100				
SS00084-SS00085	SS00084	SS00085	CONDUIT	263.6	
0.7132	0.0100				
SS00085-SS00087	SS00085	SS00087	CONDUIT	212.8	
0.4558	0.0100				
SS00086-SS00085	SS00086	SS00085	CONDUIT	98.6	
0.6390	0.0100				
SS00087-SS00088	SS00087	SS00088	CONDUIT	211.5	
0.4681	0.0100				
SS00088-SS00099	SS00088	SS00099	CONDUIT	126.2	
0.4596	0.0100				
SS00089-SS00090	SS00089	SS00090	CONDUIT	106.8	
2.4071	0.0100				
SS00090-SS00091	SS00090	SS00091	CONDUIT	175.0	
3.2932	0.0100				
SS00091-SS00092	SS00091	SS00092	CONDUIT	176.1	
3.1247	0.0100				
SS00092-SS00093	SS00092	SS00093	CONDUIT	312.6	
0.9821	0.0100				
SS00093-SS00094	SS00093	SS00094	CONDUIT	245.9	
0.8296	0.0100				
SS00094-SS00095	SS00094	SS00095	CONDUIT	201.0	
0.8209	0.0100				
SS00095-SS00097	SS00095	SS00097	CONDUIT	233.8	
1.4244	0.0100				
SS00096-SS00095	SS00096	SS00095	CONDUIT	362.2	
1.3281	0.0100				
SS00097-SS00098	SS00097	SS00098	CONDUIT	237.1	
1.6746	0.0100				
SS00098-SS00099	SS00098	SS00099	CONDUIT	213.0	
4.2809	0.0100				
SS00099-SS00100	SS00099	SS00100	CONDUIT	82.8	
2.0415	0.0100				
SS00100-SS00101	SS00100	SS00101	CONDUIT	254.0	
2.2171	0.0100				
SS00101-SS00053	SS00101	SS00053	CONDUIT	310.9	
0.3409	0.0100				
SS00102-SS00285	SS00102	SS00285	CONDUIT	768.4	
0.0703	0.0100				
SS00103-SS00102	SS00103	SS00102	CONDUIT	528.9	

0.1229	0.0100				
SS00104-SS00103	SS00104	SS00103	CONDUIT	172.6	
0.1506	0.0100				
SS00105-SS00104	SS00105	SS00104	CONDUIT	201.1	
0.0796	0.0100				
SS00106-SS00105	SS00106	SS00105	CONDUIT	133.1	
0.1953	0.0100				
SS00107-SS00106	SS00107	SS00106	CONDUIT	242.2	
0.1115	0.0100				
SS00108-SS00107	SS00108	SS00107	CONDUIT	241.6	
0.0745	0.0100				
SS00109-SS00108	SS00109	SS00108	CONDUIT	234.0	
0.0470	0.0100				
SS00110-SS00109	SS00110	SS00109	CONDUIT	16.8	
0.1786	0.0100				
SS00111-SS00110	SS00111	SS00110	CONDUIT	421.7	
0.0640	0.0100				
SS00112-SS00113	SS00112	SS00113	CONDUIT	22.5	
3.6914	0.0100				
SS00113-SS00114	SS00113	SS00114	CONDUIT	259.0	
1.5600	0.0100				
SS00114-SS00115	SS00114	SS00115	CONDUIT	255.4	
1.9542	0.0100				
SS00115-SS00116	SS00115	SS00116	CONDUIT	190.8	
2.0182	0.0100				
SS00116-SS00117	SS00116	SS00117	CONDUIT	195.6	
1.8920	0.0100				
SS00117-SS00118	SS00117	SS00118	CONDUIT	173.0	
1.6418	0.0100				
SS00118-SS00119	SS00118	SS00119	CONDUIT	91.5	
2.9412	0.0100				
SS00119-SS00120	SS00119	SS00120	CONDUIT	80.7	
2.2558	0.0100				
SS00120-SS00121	SS00120	SS00121	CONDUIT	65.1	
5.0756	0.0100				
SS00121-SS00122	SS00121	SS00122	CONDUIT	148.9	
4.6120	0.0100				
SS00122-SS00123	SS00122	SS00123	CONDUIT	333.5	
0.4438	0.0100				
SS00123-SS00183	SS00123	SS00183	CONDUIT	213.5	
3.9609	0.0100				
SS00124-SS00123	SS00124	SS00123	CONDUIT	41.2	
0.6068	0.0100				
SS00125-SS00284	SS00125	SS00284	CONDUIT	108.9	
4.9095	0.0100				
SS00126-SS00125	SS00126	SS00125	CONDUIT	200.9	
3.7757	0.0100				
SS00127-SS00126	SS00127	SS00126	CONDUIT	93.7	
1.6224	0.0100				
SS00128-SS00127	SS00128	SS00127	CONDUIT	36.4	
1.5112	0.0100				
SS00129-SS00128	SS00129	SS00128	CONDUIT	188.0	
1.2873	0.0100				
SS00130-SS00129	SS00130	SS00129	CONDUIT	46.0	
0.7826	0.0100				
SS00131-SS00130	SS00131	SS00130	CONDUIT	42.7	
0.8197	0.0100				
SS00132-SS00131	SS00132	SS00131	CONDUIT	202.8	
0.6558	0.0100				
SS00133-SS00126	SS00133	SS00126	CONDUIT	192.8	
1.1048	0.0100				
SS00134-SS00133	SS00134	SS00133	CONDUIT	111.6	
1.0664	0.0100				

SS00135-SS00134	SS00135	SS00134	CONDUIT	258.3	
0.9369	0.0100				
SS00136-SS00135	SS00136	SS00135	CONDUIT	377.6	
1.0144	0.0100				
SS00137-SS00284	SS00137	SS00284	CONDUIT	233.6	
2.0638	0.0100				
SS00138-SS00139	SS00138	SS00139	CONDUIT	121.3	
1.8057	0.0100				
SS00139-SS00140	SS00139	SS00140	CONDUIT	106.7	
1.9591	0.0100				
SS00140-SS00141	SS00140	SS00141	CONDUIT	121.0	
1.6200	0.0100				
SS00141-SS00142	SS00141	SS00142	CONDUIT	100.7	
1.9368	0.0100				
SS00142-SS00143	SS00142	SS00143	CONDUIT	207.6	
1.8356	0.0100				
SS00143-SS00144	SS00143	SS00144	CONDUIT	114.9	
1.5929	0.0100				
SS00144-SS00120	SS00144	SS00120	CONDUIT	102.8	
1.4982	0.0100				
SS00145-SS00152	SS00145	SS00152	CONDUIT	210.9	
2.5186	0.0100				
SS00146-SS00147	SS00146	SS00147	CONDUIT	195.3	
0.5172	0.0100				
SS00147-SS00148	SS00147	SS00148	CONDUIT	42.2	
0.3555	0.0100				
SS00148-SS00149	SS00148	SS00149	CONDUIT	74.4	
0.9947	0.0100				
SS00149-SS00150	SS00149	SS00150	CONDUIT	335.2	
1.6888	0.0100				
SS00150-SS00161	SS00150	SS00161	CONDUIT	138.4	
0.4480	0.0100				
SS00151-SS00150	SS00151	SS00150	CONDUIT	58.9	
0.3226	0.0100				
SS00152-SS00151	SS00152	SS00151	CONDUIT	82.9	
3.3795	0.0100				
SS00153-SS00151	SS00153	SS00151	CONDUIT	58.3	
0.7033	0.0100				
SS00154-SS00153	SS00154	SS00153	CONDUIT	264.8	
0.3852	0.0100				
SS00155-SS00154	SS00155	SS00154	CONDUIT	124.0	
1.0323	0.0100				
SS00156-SS00157	SS00156	SS00157	CONDUIT	97.0	
2.6091	0.0100				
SS00157-SS00158	SS00157	SS00158	CONDUIT	348.8	
2.7706	0.0100				
SS00158-SS00154	SS00158	SS00154	CONDUIT	344.4	
3.0095	0.0100				
SS00159-SS00154	SS00159	SS00154	CONDUIT	240.2	
0.4496	0.0100				
SS00160-SS00159	SS00160	SS00159	CONDUIT	270.7	
0.5024	0.0100				
SS00161-SS00162	SS00161	SS00162	CONDUIT	38.5	
0.1039	0.0100				
SS00162-SS00184	SS00162	SS00184	CONDUIT	400.2	
0.3473	0.0100				
SS00163-SS00164	SS00163	SS00164	CONDUIT	378.3	
1.3403	0.0100				
SS00164-SS00165	SS00164	SS00165	CONDUIT	399.7	
1.1609	0.0100				
SS00165-SS00166	SS00165	SS00166	CONDUIT	399.0	
1.2156	0.0100				
SS00166-SS00167	SS00166	SS00167	CONDUIT	399.5	

1.7324	0.0100				
SS00167-SS00168	SS00167	SS00168	CONDUIT	400.9	
1.5866	0.0100				
SS00168-SS00169	SS00168	SS00169	CONDUIT	385.0	
1.6158	0.0100				
SS00169-SS00170	SS00169	SS00170	CONDUIT	342.1	
1.8390	0.0100				
SS00170-SS00173	SS00170	SS00173	CONDUIT	64.3	
2.2712	0.0100				
SS00171-SS00170	SS00171	SS00170	CONDUIT	27.9	
0.9678	0.0100				
SS00172-SS00171	SS00172	SS00171	CONDUIT	63.3	
1.1059	0.0100				
SS00173-SS00179	SS00173	SS00179	CONDUIT	179.7	
3.6307	0.0100				
SS00174-SS00172	SS00174	SS00172	CONDUIT	401.4	
0.7300	0.0100				
SS00175-SS00174	SS00175	SS00174	CONDUIT	399.3	
1.2272	0.0100				
SS00176-SS00175	SS00176	SS00175	CONDUIT	382.7	
3.0089	0.0100				
SS00177-SS00176	SS00177	SS00176	CONDUIT	95.8	
2.1090	0.0100				
SS00178-SS00176	SS00178	SS00176	CONDUIT	221.2	
2.2519	0.0100				
SS00179-SS00180	SS00179	SS00180	CONDUIT	123.5	
1.0284	0.0100				
SS00180-SS00296	SS00180	SS00296	CONDUIT	479.7	
0.4294	0.0100				
SS00181-SS00179	SS00181	SS00179	CONDUIT	265.7	
0.0452	0.0100				
SS00182-SS00181	SS00182	SS00181	CONDUIT	376.0	
0.1383	0.0100				
SS00183-SS00182	SS00183	SS00182	CONDUIT	116.2	
0.6455	0.0100				
SS00184-SS00183	SS00184	SS00183	CONDUIT	326.9	
0.4130	0.0100				
SS00185-SS00186	SS00185	SS00186	CONDUIT	276.6	
0.5351	0.0100				
SS00186-SS00187	SS00186	SS00187	CONDUIT	369.7	
0.7114	0.0100				
SS00187-SS00188	SS00187	SS00188	CONDUIT	381.2	
0.8106	0.0100				
SS00188-SS00189	SS00188	SS00189	CONDUIT	140.9	
1.4835	0.0100				
SS00189-SS00190	SS00189	SS00190	CONDUIT	261.6	
1.8505	0.0100				
SS00190-SS00191	SS00190	SS00191	CONDUIT	259.2	
1.6553	0.0100				
SS00191-SS00214	SS00191	SS00214	CONDUIT	285.4	
0.7989	0.0100				
SS00192-SS00191	SS00192	SS00191	CONDUIT	172.4	
0.6265	0.0100				
SS00193-SS00192	SS00193	SS00192	CONDUIT	140.9	
0.8446	0.0100				
SS00194-SS00193	SS00194	SS00193	CONDUIT	120.5	
0.8797	0.0100				
SS00195-SS00194	SS00195	SS00194	CONDUIT	302.3	
0.6451	0.0100				
SS00196-SS00195	SS00196	SS00195	CONDUIT	323.0	
1.7371	0.0100				
SS00197-SS00198	SS00197	SS00198	CONDUIT	195.3	
1.9154	0.0100				

SS00198-SS00199	SS00198	SS00199	CONDUIT	247.0	
0.9960	0.0100				
SS00199-SS00200	SS00199	SS00200	CONDUIT	178.0	
0.7528	0.0100				
SS00200-SS00194	SS00200	SS00194	CONDUIT	260.8	
0.5023	0.0100				
SS00201-SS00200	SS00201	SS00200	CONDUIT	268.6	
0.8973	0.0100				
SS00202-SS00201	SS00202	SS00201	CONDUIT	270.1	
0.6479	0.0100				
SS00203E-SS00202	SS00203E	SS00202	CONDUIT	423.8	
0.7386	0.0100				
SS00203N-SS00204	SS00203N	SS00204	CONDUIT	270.0	
0.6593	0.0100				
SS00204-SS00198	SS00204	SS00198	CONDUIT	270.6	
0.7096	0.0100				
SS00205-SS00204	SS00205	SS00204	CONDUIT	154.8	
0.6072	0.0100				
SS00206-SS00207	SS00206	SS00207	CONDUIT	305.0	
1.0197	0.0100				
SS00207-SS00208	SS00207	SS00208	CONDUIT	255.7	
0.9895	0.0100				
SS00208-SS00209	SS00208	SS00209	CONDUIT	262.4	
0.7432	0.0100				
SS00209-SS00210	SS00209	SS00210	CONDUIT	269.0	
1.9148	0.0100				
SS00210-SS00211	SS00210	SS00211	CONDUIT	271.6	
0.4602	0.0100				
SS00211-SS00212	SS00211	SS00212	CONDUIT	325.4	
0.4640	0.0100				
SS00212-SS00222	SS00212	SS00222	CONDUIT	323.5	
1.3788	0.0100				
SS00213-SS00247	SS00213	SS00247	CONDUIT	196.3	
0.2496	0.0100				
SS00214-SS00222	SS00214	SS00222	CONDUIT	268.5	
3.6785	0.0100				
SS00215-SS00214	SS00215	SS00214	CONDUIT	386.2	
2.0020	0.0100				
SS00216-SS00215	SS00216	SS00215	CONDUIT	249.2	
1.1076	0.0100				
SS00217-SS00218	SS00217	SS00218	CONDUIT	308.0	
0.7273	0.0100				
SS00218-SS00209	SS00218	SS00209	CONDUIT	254.8	
0.8949	0.0100				
SS00219-SS00210	SS00219	SS00210	CONDUIT	255.4	
0.4816	0.0100				
SS00220-SS00219	SS00220	SS00219	CONDUIT	306.2	
0.4540	0.0100				
SS00221-SS00210	SS00221	SS00210	CONDUIT	133.0	
1.0828	0.0100				
SS00222-SS00213	SS00222	SS00213	CONDUIT	203.7	
0.1915	0.0100				
SS00223-SS00224	SS00223	SS00224	CONDUIT	369.2	
1.3652	0.0100				
SS00224-SS00225	SS00224	SS00225	CONDUIT	12.3	
0.6504	0.0100				
SS00225-SS00226	SS00225	SS00226	CONDUIT	244.2	
0.5651	0.0100				
SS00226-SS00234	SS00226	SS00234	CONDUIT	285.3	
0.4942	0.0100				
SS00227-SS00226	SS00227	SS00226	CONDUIT	401.4	
1.4252	0.0100				
SS00228-SS00229	SS00228	SS00229	CONDUIT	126.1	

0.7851	0.0100				
SS00229-SS00230	SS00229	SS00230	CONDUIT	399.2	
0.4860	0.0100				
SS00230-SS00231	SS00230	SS00231	CONDUIT	299.9	
1.0771	0.0100				
SS00231-SS00232	SS00231	SS00232	CONDUIT	351.2	
1.0735	0.0100				
SS00232-LS00001	SS00232	LS00001	CONDUIT	40.6	
28.2568	0.0100				
SS00233-SS00232	SS00233	SS00232	CONDUIT	294.3	
0.7238	0.0100				
SS00234-SS00233	SS00234	SS00233	CONDUIT	399.6	
0.5606	0.0100				
SS00235-SS00236	SS00235	SS00236	CONDUIT	293.4	
0.8657	0.0100				
SS00236-SS00237	SS00236	SS00237	CONDUIT	295.4	
0.6703	0.0100				
SS00237-SS00238	SS00237	SS00238	CONDUIT	398.3	
0.6277	0.0100				
SS00238-SS00239	SS00238	SS00239	CONDUIT	242.1	
1.1938	0.0100				
SS00239-LS00001	SS00239	LS00001	CONDUIT	323.7	
0.8187	0.0100				
SS00240-SS00292	SS00240	SS00292	CONDUIT	230.2	
2.4682	0.0100				
SS00241-SS00240	SS00241	SS00240	CONDUIT	86.5	
3.1113	0.0100				
SS00242-SS00241	SS00242	SS00241	CONDUIT	232.6	
0.2193	0.0100				
SS00243-SS00244	SS00243	SS00244	CONDUIT	304.3	
4.8100	0.0100				
SS00244-SS00245	SS00244	SS00245	CONDUIT	292.4	
0.6601	0.0100				
SS00245-SS00246	SS00245	SS00246	CONDUIT	408.3	
0.7911	0.0100				
SS00246-SS00213	SS00246	SS00213	CONDUIT	426.8	
0.9208	0.0100				
SS00247-SS00252	SS00247	SS00252	CONDUIT	390.1	
0.2102	0.0100				
SS00248-SS00247	SS00248	SS00247	CONDUIT	400.1	
1.0248	0.0100				
SS00249-SS00248	SS00249	SS00248	CONDUIT	386.3	
0.5100	0.0100				
SS00250-SS00249	SS00250	SS00249	CONDUIT	384.6	
0.3952	0.0100				
SS00251-SS00250	SS00251	SS00250	CONDUIT	281.2	
4.2784	0.0100				
SS00252-SS00253	SS00252	SS00253	CONDUIT	386.3	
0.3728	0.0100				
SS00253-SS00254	SS00253	SS00254	CONDUIT	350.4	
0.2854	0.0100				
SS00254-SS00256	SS00254	SS00256	CONDUIT	381.7	
2.9512	0.0100				
SS00255-SS00254	SS00255	SS00254	CONDUIT	399.0	
0.5489	0.0100				
SS00256-SS00270	SS00256	SS00270	CONDUIT	378.8	
2.5246	0.0100				
SS00257-SS00256	SS00257	SS00256	CONDUIT	416.8	
0.8134	0.0100				
SS00258-SS00257	SS00258	SS00257	CONDUIT	378.8	
0.6679	0.0100				
SS00259-SS00258	SS00259	SS00258	CONDUIT	180.5	
1.6290	0.0150				

SS00260-SS00259	SS00260	SS00259	CONDUIT	300.0	2.5308	0.0150
SS00261-SS00260	SS00261	SS00260	CONDUIT	300.3	3.2751	0.0150
SS00262-SS00261	SS00262	SS00261	CONDUIT	258.8	2.2339	0.0150
SS00263-SS00256	SS00263	SS00256	CONDUIT	349.0	0.3553	0.0150
SS00264-SS00263	SS00264	SS00263	CONDUIT	400.2	0.3798	0.0150
SS00265-SS00264	SS00265	SS00264	CONDUIT	210.1	2.7283	0.0150
SS00266-SS00267	SS00266	SS00267	CONDUIT	273.9	0.4016	0.0150
SS00267-SS00268	SS00267	SS00268	CONDUIT	109.9	0.1729	0.0100
SS00268-SS00269	SS00268	SS00269	CONDUIT	287.0	0.3798	0.0100
SS00269-SS00270	SS00269	SS00270	CONDUIT	345.3	0.5329	0.0100
SS00270-SS00271	SS00270	SS00271	CONDUIT	42.5	1.2236	0.0100
SS00271-SS00277	SS00271	SS00277	CONDUIT	330.0	1.6760	0.0100
SS00272-SS00273	SS00272	SS00273	CONDUIT	275.1	1.7014	0.0150
SS00273-SS00274	SS00273	SS00274	CONDUIT	382.5	0.6222	0.0150
SS00274-SS00275	SS00274	SS00275	CONDUIT	136.1	1.1242	0.0100
SS00275-SS00303	SS00275	SS00303	CONDUIT	342.0	1.3919	0.0100
SS00276-SS00274	SS00276	SS00274	CONDUIT	247.3	2.1639	0.0100
SS00277-SS00276	SS00277	SS00276	CONDUIT	129.1	2.2934	0.0100
SS00278-SS00277	SS00278	SS00277	CONDUIT	409.1	0.7016	0.0100
SS00279-SS00278	SS00279	SS00278	CONDUIT	357.8	1.5346	0.0150
SS00280-SS00279	SS00280	SS00279	CONDUIT	175.2	2.3522	0.0150
SS00281-SS00280	SS00281	SS00280	CONDUIT	317.8	0.3965	0.0150
SS00282-SS00001	SS00282	SS00001	CONDUIT	211.6	1.1579	0.0100
SS00283-SS00123	SS00283	SS00123	CONDUIT	138.2	0.6802	0.0100
SS00284-SS00124	SS00284	SS00124	CONDUIT	260.2	4.7093	0.0100
SS00285-WWTF00001	SS00285	WWTF00001	CONDUIT	99.7	0.1003	0.0100
SS00286-SS00287	SS00286	SS00287	CONDUIT	258.8	0.3632	0.0100
SS00287-SS00288	SS00287	SS00288	CONDUIT	381.9	0.2330	0.0100
SS00288-SS00289	SS00288	SS00289	CONDUIT	391.2	0.3298	0.0100
SS00289-SS00290	SS00289	SS00290	CONDUIT	97.7	0.4401	0.0100
SS00290-SS00291	SS00290	SS00291	CONDUIT	399.1	1.4885	0.0100
SS00291-SS00047	SS00291	SS00047	CONDUIT	229.3		

SS00292-SS00293	SS00292	SS00293	CONDUIT	343.7	0.5757	0.0100
SS00293-SS00294	SS00293	SS00294	CONDUIT	348.9	1.1522	0.0100
SS00294-SS00295	SS00294	SS00295	CONDUIT	383.9	2.2505	0.0100
SS00295-SS00182	SS00295	SS00182	CONDUIT	388.3	0.3048	0.0100
SS00296-SS00297	SS00296	SS00297	CONDUIT	148.7	0.5434	0.0100
SS00297-SS00298	SS00297	SS00298	CONDUIT	225.3	1.5200	0.0100
SS00298-SS00299	SS00298	SS00299	CONDUIT	418.3	1.1763	0.0100
SS00299-SS00300	SS00299	SS00300	CONDUIT	418.2	0.6455	0.0100
SS00300-SS00301	SS00300	SS00301	CONDUIT	219.8	0.7819	0.0100
SS00301-SS00302	SS00301	SS00302	CONDUIT	368.5	0.1729	0.0100
SS00302-SS00311	SS00302	SS00311	CONDUIT	212.2	0.1357	0.0100
SS00303-SS00317	SS00303	SS00317	CONDUIT	260.7	0.0424	0.0100
SS00304-SS00305	SS00304	SS00305	CONDUIT	246.2	1.9951	0.0100
SS00305-SS00306	SS00305	SS00306	CONDUIT	371.2	2.4581	0.0100
SS00306-SS00307	SS00306	SS00307	CONDUIT	403.7	1.0130	0.0100
SS00307-SS00308	SS00307	SS00308	CONDUIT	408.4	0.9884	0.0100
SS00308-SS00309	SS00308	SS00309	CONDUIT	211.3	1.0407	0.0100
SS00309-SS00310	SS00309	SS00310	CONDUIT	179.8	0.9371	0.0100
SS00310-SS00311	SS00310	SS00311	CONDUIT	376.6	0.9511	0.0100
SS00311-SS00312	SS00311	SS00312	CONDUIT	220.2	2.1885	0.0100
SS00312-SS00313	SS00312	SS00313	CONDUIT	399.7	0.1862	0.0100
SS00313-SS00314	SS00313	SS00314	CONDUIT	348.9	0.0926	0.0100
SS00314-SS00315	SS00314	SS00315	CONDUIT	402.6	0.1032	0.0100
SS00315-SS00111	SS00315	SS00111	CONDUIT	689.3	0.1863	0.0100
SSC00001-SS00255	SSC00001	SS00255	CONDUIT	222.0	0.1161	0.0100
SSC00002-SS00265	SSC00002	SS00265	CONDUIT	315.4	0.2883	0.0100
SSC00003-SS00264	SSC00003	SS00264	CONDUIT	289.6	0.6500	0.0150
SSC00004-SS00225	SSC00004	SS00225	CONDUIT	172.5	0.4385	0.0150
SSC00005-SS00244	SSC00005	SS00244	CONDUIT	178.9	0.4928	0.0100
SSC00006-SS00231	SSC00006	SS00231	CONDUIT	51.2	0.2012	0.0100
SSC00007-SS00015	SSC00007	SS00015	CONDUIT	130.5	0.1953	0.0100
					0.1533	0.0100

SS00203N-SSS00203E	SS00203N	SS00203E	CONDUIT	1.0	20.4124 0.0100
FM00001	LS00001dh	SS00221	CONDUIT	1467.3	-2.0211 0.0100
SS00316-SS00046	SS00316	SS00046	CONDUIT	284.9	0.6247 0.0100
SS00317-SS00304	SS00317	SS00304	CONDUIT	149.0	2.1007 0.0100
NORTHCREEK_PUMP1	LS00001	LS00001dh	TYPE3 PUMP		
NORTHCREEK_PUMP2	LS00001	LS00001dh	TYPE3 PUMP		

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Cross Section Summary
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Conduit	Shape	Full Depth	Full Area	Hyd. Rad.	Max. Width	No. of Barrels	Full Flow
SS00001-SS00002	CIRCULAR	1.00	0.79	0.25	1.00	1	1813.84
SS00002-SS00003	CIRCULAR	1.00	0.79	0.25	1.00	1	1524.10
SS00003-SS00004	CIRCULAR	1.00	0.79	0.25	1.00	1	1988.01
SS00004-SS00005	CIRCULAR	1.00	0.79	0.25	1.00	1	3442.01
SS00005-SS00006	CIRCULAR	1.00	0.79	0.25	1.00	1	1968.42
SS00006-SS00007	CIRCULAR	1.00	0.79	0.25	1.00	1	1149.55
SS00007-SS00008	CIRCULAR	1.00	0.79	0.25	1.00	1	1595.07
SS00008-SS00009	CIRCULAR	1.00	0.79	0.25	1.00	1	2643.41
SS00009-SS00012	CIRCULAR	1.00	0.79	0.25	1.00	1	2653.40
SS00010-SS00009	CIRCULAR	1.00	0.79	0.25	1.00	1	2095.35
SS00011-SS00010	CIRCULAR	1.00	0.79	0.25	1.00	1	1990.90
SS00012-SS00013	CIRCULAR	1.00	0.79	0.25	1.00	1	4513.91
SS00013-SS00014	CIRCULAR	1.00	0.79	0.25	1.00	1	1402.61
SS00014-SS00015	CIRCULAR	1.00	0.79	0.25	1.00	1	2985.45
SS00015-SS00016	CIRCULAR	1.00	0.79	0.25	1.00	1	1170.44
SS00016-SS00017	CIRCULAR	1.00	0.79	0.25	1.00	1	1240.13
SS00017-SS00032	CIRCULAR	1.00	0.79	0.25	1.00	1	1451.15
SS00018-SS00017	CIRCULAR	0.67	0.35	0.17	0.67	1	521.98
SS00019-SS00020	CIRCULAR	0.67	0.35	0.17	0.67	1	548.39
SS00020-SS00021	CIRCULAR	0.67	0.35	0.17	0.67	1	1305.36
SS00021-SS00022	CIRCULAR	0.67	0.35	0.17	0.67	1	

1056.24						
SS00022-SS00023	CIRCULAR	0.67	0.35	0.17	0.67	1
425.90						
SS00023-SS00024	CIRCULAR	0.67	0.35	0.17	0.67	1
445.55						
SS00024-SS00025	CIRCULAR	0.83	0.54	0.21	0.83	1
740.27						
SS00025-SS00026	CIRCULAR	0.83	0.54	0.21	0.83	1
1207.73						
SS00026-SS00027	CIRCULAR	0.83	0.54	0.21	0.83	1
815.70						
SS00027-SS00028	CIRCULAR	0.83	0.54	0.21	0.83	1
884.18						
SS00028-SS00029	CIRCULAR	0.83	0.54	0.21	0.83	1
2307.63						
SS00029-SS00286	CIRCULAR	1.00	0.79	0.25	1.00	1
723.35						
SS00030-SS00029	CIRCULAR	1.00	0.79	0.25	1.00	1
1275.87						
SS00031-SS00030	CIRCULAR	1.00	0.79	0.25	1.00	1
1301.11						
SS00032-SS00031	CIRCULAR	1.00	0.79	0.25	1.00	1
1152.82						
SS00033-SS00034	CIRCULAR	0.83	0.54	0.21	0.83	1
628.63						
SS00034-SS00035	CIRCULAR	0.83	0.54	0.21	0.83	1
846.44						
SS00035-SS00036	CIRCULAR	0.83	0.54	0.21	0.83	1
791.99						
SS00036-SS00037	CIRCULAR	0.83	0.54	0.21	0.83	1
795.65						
SS00037-SS00038	CIRCULAR	0.83	0.54	0.21	0.83	1
933.10						
SS00038-SS00039	CIRCULAR	0.83	0.54	0.21	0.83	1
785.85						
SS00039-SS00040	CIRCULAR	0.83	0.54	0.21	0.83	1
825.53						
SS00040-SS00041	CIRCULAR	0.83	0.54	0.21	0.83	1
732.65						
SS00041-SS00029	CIRCULAR	0.83	0.54	0.21	0.83	1
2273.59						
SS00042-SS00043	CIRCULAR	0.67	0.35	0.17	0.67	1
807.61						
SS00043-SS00044	CIRCULAR	0.67	0.35	0.17	0.67	1
475.91						
SS00044-SS00045	CIRCULAR	0.67	0.35	0.17	0.67	1
909.85						
SS00045-SS00316	CIRCULAR	0.67	0.35	0.17	0.67	1
558.55						
SS00046-SS00049	CIRCULAR	0.67	0.35	0.17	0.67	1
783.90						
SS00047-SS00048	CIRCULAR	0.83	0.54	0.21	0.83	1
901.52						
SS00048-SS00049	CIRCULAR	0.83	0.54	0.21	0.83	1
873.65						
SS00049-SS00050	CIRCULAR	0.83	0.54	0.21	0.83	1
877.99						
SS00050-SS00051	CIRCULAR	0.83	0.54	0.21	0.83	1
975.61						
SS00051-SS00052	CIRCULAR	0.83	0.54	0.21	0.83	1
966.96						
SS00052-SS00060	CIRCULAR	0.83	0.54	0.21	0.83	1
1326.02						

SS00053-SS00242	CIRCULAR	1.25	1.23	0.31	1.25	1
1141.65						
SS00054-SS00053	CIRCULAR	1.00	0.79	0.25	1.00	1
3944.13						
SS00055-SS00054	CIRCULAR	1.00	0.79	0.25	1.00	1
4778.54						
SS00056-SS00055	CIRCULAR	1.00	0.79	0.25	1.00	1
4056.16						
SS00057-SS00056	CIRCULAR	1.00	0.79	0.25	1.00	1
1943.11						
SS00058-SS00057	CIRCULAR	1.00	0.79	0.25	1.00	1
1706.38						
SS00059-SS00058	CIRCULAR	1.00	0.79	0.25	1.00	1
3104.81						
SS00060-SS00059	CIRCULAR	1.00	0.79	0.25	1.00	1
3408.67						
SS00061-SS00062	CIRCULAR	0.83	0.54	0.21	0.83	1
1657.60						
SS00062-SS00063	CIRCULAR	0.83	0.54	0.21	0.83	1
1836.70						
SS00063-SS00064	CIRCULAR	0.83	0.54	0.21	0.83	1
2246.06						
SS00064-SS00065	CIRCULAR	0.83	0.54	0.21	0.83	1
1250.05						
SS00065-SS00112	CIRCULAR	0.67	0.35	0.17	0.67	1
573.58						
SS00066-SS00067	CIRCULAR	0.67	0.35	0.17	0.67	1
724.69						
SS00067-SS00068	CIRCULAR	0.67	0.35	0.17	0.67	1
600.61						
SS00068-SS00069	CIRCULAR	0.67	0.35	0.17	0.67	1
613.04						
SS00069-SS00076	CIRCULAR	0.67	0.35	0.17	0.67	1
725.09						
SS00070-SS00073	CIRCULAR	0.67	0.35	0.17	0.67	1
650.43						
SS00071-SS00072	CIRCULAR	0.67	0.35	0.17	0.67	1
582.50						
SS00072-SS00073	CIRCULAR	0.67	0.35	0.17	0.67	1
635.49						
SS00073-SS00074	CIRCULAR	0.67	0.35	0.17	0.67	1
854.05						
SS00074-SS00075	CIRCULAR	0.67	0.35	0.17	0.67	1
854.39						
SS00075-SS00076	CIRCULAR	0.67	0.35	0.17	0.67	1
948.45						
SS00076-SS00077	CIRCULAR	0.67	0.35	0.17	0.67	1
888.35						
SS00077-SS00078	CIRCULAR	0.67	0.35	0.17	0.67	1
922.45						
SS00078-SS00079	CIRCULAR	0.67	0.35	0.17	0.67	1
886.39						
SS00079-SS00081	CIRCULAR	0.67	0.35	0.17	0.67	1
918.41						
SS00080-SS00079	CIRCULAR	0.67	0.35	0.17	0.67	1
625.14						
SS00081-SS00082	CIRCULAR	0.67	0.35	0.17	0.67	1
748.36						
SS00082-SS00083	CIRCULAR	0.67	0.35	0.17	0.67	1
500.18						
SS00083-SS00086	CIRCULAR	0.67	0.35	0.17	0.67	1
529.25						
SS00084-SS00085	CIRCULAR	0.67	0.35	0.17	0.67	1

596.26						
SS00085-SS00087	CIRCULAR	0.67	0.35	0.17	0.67	1
476.68						
SS00086-SS00085	CIRCULAR	0.67	0.35	0.17	0.67	1
564.36						
SS00087-SS00088	CIRCULAR	0.67	0.35	0.17	0.67	1
483.04						
SS00088-SS00099	CIRCULAR	0.67	0.35	0.17	0.67	1
478.64						
SS00089-SS00090	CIRCULAR	0.67	0.35	0.17	0.67	1
1095.38						
SS00090-SS00091	CIRCULAR	0.67	0.35	0.17	0.67	1
1281.24						
SS00091-SS00092	CIRCULAR	0.67	0.35	0.17	0.67	1
1248.04						
SS00092-SS00093	CIRCULAR	0.67	0.35	0.17	0.67	1
699.69						
SS00093-SS00094	CIRCULAR	0.67	0.35	0.17	0.67	1
643.08						
SS00094-SS00095	CIRCULAR	0.67	0.35	0.17	0.67	1
639.69						
SS00095-SS00097	CIRCULAR	0.67	0.35	0.17	0.67	1
842.64						
SS00096-SS00095	CIRCULAR	0.67	0.35	0.17	0.67	1
813.65						
SS00097-SS00098	CIRCULAR	0.67	0.35	0.17	0.67	1
913.65						
SS00098-SS00099	CIRCULAR	0.67	0.35	0.17	0.67	1
1460.79						
SS00099-SS00100	CIRCULAR	0.83	0.54	0.21	0.83	1
1824.64						
SS00100-SS00101	CIRCULAR	0.83	0.54	0.21	0.83	1
1901.50						
SS00101-SS00053	CIRCULAR	0.67	0.35	0.17	0.67	1
412.25						
SS00102-SS00285	CIRCULAR	1.75	2.41	0.44	1.75	1
2450.88						
SS00103-SS00102	CIRCULAR	1.75	2.41	0.44	1.75	1
3241.08						
SS00104-SS00103	CIRCULAR	1.75	2.41	0.44	1.75	1
3588.28						
SS00105-SS00104	CIRCULAR	1.75	2.41	0.44	1.75	1
2607.80						
SS00106-SS00105	CIRCULAR	1.75	2.41	0.44	1.75	1
4086.18						
SS00107-SS00106	CIRCULAR	1.75	2.41	0.44	1.75	1
3086.84						
SS00108-SS00107	CIRCULAR	1.75	2.41	0.44	1.75	1
2523.52						
SS00109-SS00108	CIRCULAR	1.75	2.41	0.44	1.75	1
2004.51						
SS00110-SS00109	CIRCULAR	1.75	2.41	0.44	1.75	1
3906.84						
SS00111-SS00110	CIRCULAR	2.50	4.91	0.63	2.50	1
6055.80						
SS00112-SS00113	CIRCULAR	0.67	0.35	0.17	0.67	1
1356.49						
SS00113-SS00114	CIRCULAR	0.67	0.35	0.17	0.67	1
881.84						
SS00114-SS00115	CIRCULAR	0.67	0.35	0.17	0.67	1
986.96						
SS00115-SS00116	CIRCULAR	0.67	0.35	0.17	0.67	1
1003.01						

SS00116-SS00117	CIRCULAR	0.67	0.35	0.17	0.67	1
971.13						
SS00117-SS00118	CIRCULAR	0.67	0.35	0.17	0.67	1
904.66						
SS00118-SS00119	CIRCULAR	0.67	0.35	0.17	0.67	1
1210.82						
SS00119-SS00120	CIRCULAR	0.67	0.35	0.17	0.67	1
1060.41						
SS00120-SS00121	CIRCULAR	0.67	0.35	0.17	0.67	1
1590.62						
SS00121-SS00122	CIRCULAR	0.67	0.35	0.17	0.67	1
1516.23						
SS00122-SS00123	CIRCULAR	0.67	0.35	0.17	0.67	1
470.33						
SS00123-SS00183	CIRCULAR	0.83	0.54	0.21	0.83	1
2541.58						
SS00124-SS00123	CIRCULAR	0.67	0.35	0.17	0.67	1
549.98						
SS00125-SS00284	CIRCULAR	0.67	0.35	0.17	0.67	1
1564.37						
SS00126-SS00125	CIRCULAR	0.67	0.35	0.17	0.67	1
1371.89						
SS00127-SS00126	CIRCULAR	0.67	0.35	0.17	0.67	1
899.29						
SS00128-SS00127	CIRCULAR	0.67	0.35	0.17	0.67	1
867.91						
SS00129-SS00128	CIRCULAR	0.67	0.35	0.17	0.67	1
801.06						
SS00130-SS00129	CIRCULAR	0.67	0.35	0.17	0.67	1
624.60						
SS00131-SS00130	CIRCULAR	0.67	0.35	0.17	0.67	1
639.22						
SS00132-SS00131	CIRCULAR	0.67	0.35	0.17	0.67	1
571.76						
SS00133-SS00126	CIRCULAR	0.67	0.35	0.17	0.67	1
742.11						
SS00134-SS00133	CIRCULAR	0.67	0.35	0.17	0.67	1
729.08						
SS00135-SS00134	CIRCULAR	0.67	0.35	0.17	0.67	1
683.40						
SS00136-SS00135	CIRCULAR	0.67	0.35	0.17	0.67	1
711.07						
SS00137-SS00284	CIRCULAR	0.67	0.35	0.17	0.67	1
1014.27						
SS00138-SS00139	CIRCULAR	0.67	0.35	0.17	0.67	1
948.74						
SS00139-SS00140	CIRCULAR	0.67	0.35	0.17	0.67	1
988.22						
SS00140-SS00141	CIRCULAR	0.67	0.35	0.17	0.67	1
898.64						
SS00141-SS00142	CIRCULAR	0.67	0.35	0.17	0.67	1
982.57						
SS00142-SS00143	CIRCULAR	0.67	0.35	0.17	0.67	1
956.55						
SS00143-SS00144	CIRCULAR	0.67	0.35	0.17	0.67	1
891.07						
SS00144-SS00120	CIRCULAR	0.67	0.35	0.17	0.67	1
864.19						
SS00145-SS00152	CIRCULAR	0.67	0.35	0.17	0.67	1
1120.46						
SS00146-SS00147	CIRCULAR	0.67	0.35	0.17	0.67	1
507.73						
SS00147-SS00148	CIRCULAR	0.67	0.35	0.17	0.67	1

420.93						
SS00148-SS00149	CIRCULAR	0.67	0.35	0.17	0.67	1
704.14						
SS00149-SS00150	CIRCULAR	0.67	0.35	0.17	0.67	1
917.50						
SS00150-SS00161	CIRCULAR	0.83	0.54	0.21	0.83	1
854.74						
SS00151-SS00150	CIRCULAR	0.67	0.35	0.17	0.67	1
401.00						
SS00152-SS00151	CIRCULAR	0.67	0.35	0.17	0.67	1
1297.91						
SS00153-SS00151	CIRCULAR	0.67	0.35	0.17	0.67	1
592.08						
SS00154-SS00153	CIRCULAR	0.67	0.35	0.17	0.67	1
438.19						
SS00155-SS00154	CIRCULAR	0.67	0.35	0.17	0.67	1
717.34						
SS00156-SS00157	CIRCULAR	0.67	0.35	0.17	0.67	1
1140.43						
SS00157-SS00158	CIRCULAR	0.67	0.35	0.17	0.67	1
1175.18						
SS00158-SS00154	CIRCULAR	0.67	0.35	0.17	0.67	1
1224.81						
SS00159-SS00154	CIRCULAR	0.67	0.35	0.17	0.67	1
473.42						
SS00160-SS00159	CIRCULAR	0.67	0.35	0.17	0.67	1
500.44						
SS00161-SS00162	CIRCULAR	0.83	0.54	0.21	0.83	1
411.63						
SS00162-SS00184	CIRCULAR	0.83	0.54	0.21	0.83	1
752.62						
SS00163-SS00164	CIRCULAR	0.67	0.35	0.17	0.67	1
817.38						
SS00164-SS00165	CIRCULAR	0.67	0.35	0.17	0.67	1
760.72						
SS00165-SS00166	CIRCULAR	0.67	0.35	0.17	0.67	1
778.43						
SS00166-SS00167	CIRCULAR	0.67	0.35	0.17	0.67	1
929.28						
SS00167-SS00168	CIRCULAR	0.67	0.35	0.17	0.67	1
889.32						
SS00168-SS00169	CIRCULAR	0.67	0.35	0.17	0.67	1
897.46						
SS00169-SS00170	CIRCULAR	0.67	0.35	0.17	0.67	1
957.43						
SS00170-SS00173	CIRCULAR	0.67	0.35	0.17	0.67	1
1064.01						
SS00171-SS00170	CIRCULAR	0.67	0.35	0.17	0.67	1
694.56						
SS00172-SS00171	CIRCULAR	0.67	0.35	0.17	0.67	1
742.47						
SS00173-SS00179	CIRCULAR	0.67	0.35	0.17	0.67	1
1345.28						
SS00174-SS00172	CIRCULAR	0.67	0.35	0.17	0.67	1
603.21						
SS00175-SS00174	CIRCULAR	0.67	0.35	0.17	0.67	1
782.14						
SS00176-SS00175	CIRCULAR	0.67	0.35	0.17	0.67	1
1224.69						
SS00177-SS00176	CIRCULAR	0.67	0.35	0.17	0.67	1
1025.33						
SS00178-SS00176	CIRCULAR	0.67	0.35	0.17	0.67	1
1059.49						

SS00179-SS00180	CIRCULAR	2.00	3.14	0.50	2.00	1
13385.81						
SS00180-SS00296	CIRCULAR	1.25	1.23	0.31	1.25	1
2469.99						
SS00181-SS00179	CIRCULAR	2.00	3.14	0.50	2.00	1
2805.17						
SS00182-SS00181	CIRCULAR	2.00	3.14	0.50	2.00	1
4908.77						
SS00183-SS00182	CIRCULAR	0.83	0.54	0.21	0.83	1
1025.98						
SS00184-SS00183	CIRCULAR	0.83	0.54	0.21	0.83	1
820.67						
SS00185-SS00186	CIRCULAR	0.67	0.35	0.17	0.67	1
516.45						
SS00186-SS00187	CIRCULAR	0.67	0.35	0.17	0.67	1
595.50						
SS00187-SS00188	CIRCULAR	0.67	0.35	0.17	0.67	1
635.67						
SS00188-SS00189	CIRCULAR	0.67	0.35	0.17	0.67	1
859.93						
SS00189-SS00190	CIRCULAR	0.67	0.35	0.17	0.67	1
960.42						
SS00190-SS00191	CIRCULAR	0.67	0.35	0.17	0.67	1
908.37						
SS00191-SS00214	CIRCULAR	0.67	0.35	0.17	0.67	1
631.06						
SS00192-SS00191	CIRCULAR	0.67	0.35	0.17	0.67	1
558.81						
SS00193-SS00192	CIRCULAR	0.67	0.35	0.17	0.67	1
648.85						
SS00194-SS00193	CIRCULAR	0.67	0.35	0.17	0.67	1
662.20						
SS00195-SS00194	CIRCULAR	0.67	0.35	0.17	0.67	1
567.05						
SS00196-SS00195	CIRCULAR	0.67	0.35	0.17	0.67	1
930.54						
SS00197-SS00198	CIRCULAR	0.67	0.35	0.17	0.67	1
977.11						
SS00198-SS00199	CIRCULAR	0.67	0.35	0.17	0.67	1
704.61						
SS00199-SS00200	CIRCULAR	0.67	0.35	0.17	0.67	1
612.59						
SS00200-SS00194	CIRCULAR	0.67	0.35	0.17	0.67	1
500.39						
SS00201-SS00200	CIRCULAR	0.67	0.35	0.17	0.67	1
668.78						
SS00202-SS00201	CIRCULAR	0.67	0.35	0.17	0.67	1
568.31						
SS00203E-SS00202	CIRCULAR	0.67	0.35	0.17	0.67	1
606.76						
SS00203N-SS00204	CIRCULAR	0.67	0.35	0.17	0.67	1
573.26						
SS00204-SS00198	CIRCULAR	0.67	0.35	0.17	0.67	1
594.72						
SS00205-SS00204	CIRCULAR	0.67	0.35	0.17	0.67	1
550.18						
SS00206-SS00207	CIRCULAR	0.67	0.35	0.17	0.67	1
712.95						
SS00207-SS00208	CIRCULAR	0.67	0.35	0.17	0.67	1
702.31						
SS00208-SS00209	CIRCULAR	0.67	0.35	0.17	0.67	1
608.64						
SS00209-SS00210	CIRCULAR	0.67	0.35	0.17	0.67	1

976.98						
SS00210-SS00211	CIRCULAR	0.67	0.35	0.17	0.67	1
478.98						
SS00211-SS00212	CIRCULAR	0.83	0.54	0.21	0.83	1
869.94						
SS00212-SS00222	CIRCULAR	0.83	0.54	0.21	0.83	1
1499.53						
SS00213-SS00247	CIRCULAR	1.00	0.79	0.25	1.00	1
1038.62						
SS00214-SS00222	CIRCULAR	1.00	0.79	0.25	1.00	1
3987.05						
SS00215-SS00214	CIRCULAR	1.00	0.79	0.25	1.00	1
2941.34						
SS00216-SS00215	CIRCULAR	1.00	0.79	0.25	1.00	1
2187.82						
SS00217-SS00218	CIRCULAR	0.67	0.35	0.17	0.67	1
602.11						
SS00218-SS00209	CIRCULAR	0.67	0.35	0.17	0.67	1
667.88						
SS00219-SS00210	CIRCULAR	0.67	0.35	0.17	0.67	1
489.97						
SS00220-SS00219	CIRCULAR	0.67	0.35	0.17	0.67	1
475.69						
SS00221-SS00210	CIRCULAR	0.67	0.35	0.17	0.67	1
734.66						
SS00222-SS00213	CIRCULAR	1.00	0.79	0.25	1.00	1
909.61						
SS00223-SS00224	CIRCULAR	0.67	0.35	0.17	0.67	1
824.95						
SS00224-SS00225	CIRCULAR	0.67	0.35	0.17	0.67	1
569.40						
SS00225-SS00226	CIRCULAR	0.67	0.35	0.17	0.67	1
530.75						
SS00226-SS00234	CIRCULAR	0.67	0.35	0.17	0.67	1
496.34						
SS00227-SS00226	CIRCULAR	0.67	0.35	0.17	0.67	1
842.85						
SS00228-SS00229	CIRCULAR	0.67	0.35	0.17	0.67	1
625.59						
SS00229-SS00230	CIRCULAR	0.67	0.35	0.17	0.67	1
492.19						
SS00230-SS00231	CIRCULAR	0.67	0.35	0.17	0.67	1
732.73						
SS00231-SS00232	CIRCULAR	0.67	0.35	0.17	0.67	1
731.52						
SS00232-LS00001	CIRCULAR	0.67	0.35	0.17	0.67	1
3753.03						
SS00233-SS00232	CIRCULAR	0.67	0.35	0.17	0.67	1
600.65						
SS00234-SS00233	CIRCULAR	0.67	0.35	0.17	0.67	1
528.61						
SS00235-SS00236	CIRCULAR	0.67	0.35	0.17	0.67	1
656.92						
SS00236-SS00237	CIRCULAR	0.67	0.35	0.17	0.67	1
578.03						
SS00237-SS00238	CIRCULAR	0.67	0.35	0.17	0.67	1
559.36						
SS00238-SS00239	CIRCULAR	0.67	0.35	0.17	0.67	1
771.41						
SS00239-LS00001	CIRCULAR	0.67	0.35	0.17	0.67	1
638.82						
SS00240-SS00292	CIRCULAR	1.50	1.77	0.38	1.50	1
9629.03						

SS00241-SS00240	CIRCULAR	1.75	2.41	0.44	1.75	1
16307.70						
SS00242-SS00241	CIRCULAR	1.25	1.23	0.31	1.25	1
1764.92						
SS00243-SS00244	CIRCULAR	0.67	0.35	0.17	0.67	1
1548.44						
SS00244-SS00245	CIRCULAR	0.67	0.35	0.17	0.67	1
573.61						
SS00245-SS00246	CIRCULAR	0.67	0.35	0.17	0.67	1
627.97						
SS00246-SS00213	CIRCULAR	0.67	0.35	0.17	0.67	1
677.51						
SS00247-SS00252	CIRCULAR	1.00	0.79	0.25	1.00	1
953.10						
SS00248-SS00247	CIRCULAR	0.67	0.35	0.17	0.67	1
714.73						
SS00249-SS00248	CIRCULAR	0.67	0.35	0.17	0.67	1
504.19						
SS00250-SS00249	CIRCULAR	0.67	0.35	0.17	0.67	1
443.85						
SS00251-SS00250	CIRCULAR	0.67	0.35	0.17	0.67	1
1460.37						
SS00252-SS00253	CIRCULAR	1.00	0.79	0.25	1.00	1
1269.22						
SS00253-SS00254	CIRCULAR	1.00	0.79	0.25	1.00	1
1110.55						
SS00254-SS00256	CIRCULAR	1.00	0.79	0.25	1.00	1
3571.25						
SS00255-SS00254	CIRCULAR	0.67	0.35	0.17	0.67	1
523.07						
SS00256-SS00270	CIRCULAR	1.00	0.79	0.25	1.00	1
3303.02						
SS00257-SS00256	CIRCULAR	0.67	0.35	0.17	0.67	1
636.74						
SS00258-SS00257	CIRCULAR	0.67	0.35	0.17	0.67	1
577.01						
SS00259-SS00258	CIRCULAR	0.67	0.35	0.17	0.67	1
600.75						
SS00260-SS00259	CIRCULAR	0.67	0.35	0.17	0.67	1
748.79						
SS00261-SS00260	CIRCULAR	0.67	0.35	0.17	0.67	1
851.81						
SS00262-SS00261	CIRCULAR	0.67	0.35	0.17	0.67	1
703.50						
SS00263-SS00256	CIRCULAR	0.67	0.35	0.17	0.67	1
280.56						
SS00264-SS00263	CIRCULAR	0.67	0.35	0.17	0.67	1
290.08						
SS00265-SS00264	CIRCULAR	0.50	0.20	0.13	0.50	1
360.52						
SS00266-SS00267	CIRCULAR	0.50	0.20	0.13	0.50	1
138.32						
SS00267-SS00268	CIRCULAR	0.50	0.20	0.13	0.50	1
136.13						
SS00268-SS00269	CIRCULAR	0.67	0.35	0.17	0.67	1
435.11						
SS00269-SS00270	CIRCULAR	0.67	0.35	0.17	0.67	1
515.39						
SS00270-SS00271	CIRCULAR	1.00	0.79	0.25	1.00	1
2299.54						
SS00271-SS00277	CIRCULAR	1.00	0.79	0.25	1.00	1
2691.25						
SS00272-SS00273	CIRCULAR	0.67	0.35	0.17	0.67	1

SS00273-SS00274	CIRCULAR	0.67	0.35	0.17	0.67	1
613.96						
SS00274-SS00275	CIRCULAR	1.00	0.79	0.25	1.00	1
371.28						
SS00275-SS00303	CIRCULAR	1.00	0.79	0.25	1.00	1
2204.19						
SS00276-SS00274	CIRCULAR	1.00	0.79	0.25	1.00	1
2452.62						
SS00277-SS00276	CIRCULAR	1.00	0.79	0.25	1.00	1
3057.97						
SS00278-SS00277	CIRCULAR	1.00	0.79	0.25	1.00	1
3148.17						
SS00279-SS00278	CIRCULAR	0.67	0.35	0.17	0.67	1
591.36						
SS00280-SS00279	CIRCULAR	0.67	0.35	0.17	0.67	1
583.07						
SS00281-SS00280	CIRCULAR	0.67	0.35	0.17	0.67	1
721.89						
SS00282-SS00001	CIRCULAR	0.67	0.35	0.17	0.67	1
296.37						
SS00283-SS00123	CIRCULAR	0.67	0.35	0.17	0.67	1
759.73						
SS00284-SS00124	CIRCULAR	0.67	0.35	0.17	0.67	1
582.28						
SS00285-WWTF00001	CIRCULAR	1.75	2.41	0.44	1.75	1
1532.14						
SS00286-SS00287	CIRCULAR	0.67	0.35	0.17	0.67	1
2928.01						
SS00287-SS00288	CIRCULAR	0.67	0.35	0.17	0.67	1
425.50						
SS00288-SS00289	CIRCULAR	0.67	0.35	0.17	0.67	1
340.83						
SS00289-SS00290	CIRCULAR	0.67	0.35	0.17	0.67	1
405.43						
SS00290-SS00291	CIRCULAR	0.67	0.35	0.17	0.67	1
468.39						
SS00291-SS00047	CIRCULAR	0.67	0.35	0.17	0.67	1
861.38						
SS00292-SS00293	CIRCULAR	1.50	1.77	0.38	1.50	1
535.68						
SS00293-SS00294	CIRCULAR	1.50	1.77	0.38	1.50	1
6579.11						
SS00294-SS00295	CIRCULAR	1.50	1.77	0.38	1.50	1
9194.63						
SS00295-SS00182	CIRCULAR	1.50	1.77	0.38	1.50	1
3383.61						
SS00296-SS00297	CIRCULAR	1.25	1.23	0.31	1.25	1
4518.10						
SS00297-SS00298	CIRCULAR	1.25	1.23	0.31	1.25	1
4646.96						
SS00298-SS00299	CIRCULAR	1.25	1.23	0.31	1.25	1
4087.92						
SS00299-SS00300	CIRCULAR	1.25	1.23	0.31	1.25	1
3028.22						
SS00300-SS00301	CIRCULAR	1.25	1.23	0.31	1.25	1
3332.99						
SS00301-SS00302	CIRCULAR	1.25	1.23	0.31	1.25	1
1567.20						
SS00302-SS00311	CIRCULAR	1.25	1.23	0.31	1.25	1
1388.39						
SS00303-SS00317	CIRCULAR	1.00	0.79	0.25	1.00	1
776.24						
SS00317-SS00318	CIRCULAR	1.00	0.79	0.25	1.00	1
2936.30						

SS00304-SS00305	CIRCULAR	1.25	1.23	0.31	1.25	1
5909.41						
SS00305-SS00306	CIRCULAR	1.25	1.23	0.31	1.25	1
3793.55						
SS00306-SS00307	CIRCULAR	1.25	1.23	0.31	1.25	1
3747.25						
SS00307-SS00308	CIRCULAR	1.25	1.23	0.31	1.25	1
3845.11						
SS00308-SS00309	CIRCULAR	1.25	1.23	0.31	1.25	1
3648.69						
SS00309-SS00310	CIRCULAR	1.25	1.23	0.31	1.25	1
3675.85						
SS00310-SS00311	CIRCULAR	1.25	1.23	0.31	1.25	1
5575.97						
SS00311-SS00312	CIRCULAR	1.75	2.41	0.44	1.75	1
3989.36						
SS00312-SS00313	CIRCULAR	1.75	2.41	0.44	1.75	1
2812.90						
SS00313-SS00314	CIRCULAR	1.75	2.41	0.44	1.75	1
2969.75						
SS00314-SS00315	CIRCULAR	1.75	2.41	0.44	1.75	1
3990.38						
SS00315-SS00111	CIRCULAR	2.50	4.91	0.63	2.50	1
8153.28						
SSC00001-SS00255	CIRCULAR	0.50	0.20	0.13	0.50	1
175.79						
SSC00002-SS00265	CIRCULAR	0.50	0.20	0.13	0.50	1
175.97						
SSC00003-SS00264	CIRCULAR	0.67	0.35	0.17	0.67	1
311.70						
SSC00004-SS00225	CIRCULAR	0.33	0.09	0.08	0.33	1
77.74						
SSC00005-SS00244	CIRCULAR	0.67	0.35	0.17	0.67	1
316.71						
SSC00006-SS00231	CIRCULAR	0.67	0.35	0.17	0.67	1
312.02						
SSC00007-SS00015	CIRCULAR	0.83	0.54	0.21	0.83	1
499.94						
SS00203N-SSS00203E	CIRCULAR	1.00	0.79	0.25	1.00	1
9392.16						
FM00001	FORCE_MAIN	0.33	0.09	0.08	0.33	1
217.31						
SS00316-SS00046	CIRCULAR	0.67	0.35	0.17	0.67	1
558.03						
SS00317-SS00304	CIRCULAR	1.00	0.79	0.25	1.00	1
3013.02						

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

****
Analysis Options
****
Flow Units ..... GPM
Process Models:
  Rainfall/Runoff ..... NO
  RDII ..... NO
  Snowmelt ..... NO

  Groundwater ..... NO
  Flow Routing ..... YES
  Ponding Allowed ..... YES
  Water Quality ..... NO
Flow Routing Method ..... DYNWAVE
Starting Date 07/26/2016 00:00:00
Ending Date 07/30/2016 00:00:00
Antecedent Dry Days 0.0
Report Time Step 00:00:05
Routing Time Step ..... 5.00 sec
Variable Time Step ..... YES
Maximum Trials 20
Number of Threads 1
Head Tolerance ..... 0.005000 ft

Flow Routing Continuity	Volume acre-feet	Volume 10^6 gal
Dry Weather Inflow	0.000	0.000
Wet Weather Inflow	0.000	0.000
Groundwater Inflow	0.000	0.000
RDII Inflow	0.000	0.000
External Inflow	2.028	0.661
External Outflow	1.973	0.643
Flooding Loss	0.000	0.000
Evaporation Loss	0.000	0.000
Exfiltration Loss	0.000	0.000
Initial Stored Volume	0.000	0.000
Final Stored Volume	0.052	0.017
Continuity Error (%)	0.125	

****
Highest Continuity Errors
****
Node SS00280 (3.01%)
Node SS00273 (1.52%)

****
Time-Step Critical Elements
****
None

****
Highest Flow Instability Indexes
****
All links are stable.

****
Routing Time Step Summary
****
Minimum Time Step	:	4.50 sec
Average Time Step	:	5.00 sec
Maximum Time Step	:	5.00 sec
Percent in Steady State	:	0.00
Average Iterations per Step	:	2.07
Percent Not Converging	:	0.18

Node Depth Summary

Node	Type	Average Depth Feet	Maximum Depth Feet	Maximum HGL Feet	Time of Max Occurrence days	hr:min	Reported Max Depth Feet
SS00001	JUNCTION	0.00	0.01	5074.36	1	09:05	0.01
SS00002	JUNCTION	0.03	0.03	5073.20	2	09:14	0.03
SS00003	JUNCTION	0.01	0.02	5072.24	1	09:10	0.02
SS00004	JUNCTION	0.01	0.02	5070.73	3	09:04	0.02
SS00005	JUNCTION	0.03	0.03	5065.51	1	09:07	0.03
SS00006	JUNCTION	0.04	0.05	5061.76	1	09:08	0.05
SS00007	JUNCTION	0.03	0.04	5061.21	1	09:09	0.04
SS00008	JUNCTION	0.03	0.03	5060.36	2	09:11	0.03
SS00009	JUNCTION	0.03	0.04	5057.99	1	09:09	0.04
SS00010	JUNCTION	0.02	0.03	5060.75	3	09:04	0.03
SS00011	JUNCTION	0.02	0.02	5063.23	3	09:03	0.02
SS00012	JUNCTION	0.03	0.03	5055.20	1	09:10	0.03
SS00013	JUNCTION	0.05	0.06	5049.05	2	09:12	0.06
SS00014	JUNCTION	0.03	0.04	5047.94	2	09:12	0.04
SS00015	JUNCTION	0.05	0.07	5045.13	2	09:14	0.07
SS00016	JUNCTION	0.05	0.07	5044.57	2	09:15	0.07
SS00017	JUNCTION	0.05	0.07	5043.78	2	09:16	0.07
SS00018	JUNCTION	0.02	0.02	5045.02	3	09:04	0.02
SS00019	JUNCTION	0.02	0.02	5072.36	3	09:02	0.02
SS00020	JUNCTION	0.01	0.02	5071.49	3	09:04	0.02
SS00021	JUNCTION	0.01	0.02	5063.71	1	09:08	0.02
SS00022	JUNCTION	0.03	0.03	5057.59	1	09:09	0.03
SS00023	JUNCTION	0.03	0.04	5056.89	1	09:10	0.04
SS00024	JUNCTION	0.04	0.05	5055.67	1	09:11	0.05
SS00025	JUNCTION	0.03	0.04	5054.33	2	09:15	0.04
SS00026	JUNCTION	0.04	0.06	5049.50	2	09:14	0.06
SS00027	JUNCTION	0.04	0.06	5048.34	2	09:15	0.06
SS00028	JUNCTION	0.03	0.04	5047.09	2	09:15	0.04
SS00029	JUNCTION	0.12	0.16	5040.76	3	09:20	0.16
SS00030	JUNCTION	0.06	0.08	5041.79	2	09:19	0.08
SS00031	JUNCTION	0.06	0.08	5042.41	2	09:18	0.08
SS00032	JUNCTION	0.06	0.08	5042.83	2	09:17	0.08
SS00033	JUNCTION	0.02	0.02	5054.83	3	09:04	0.02
SS00034	JUNCTION	0.02	0.03	5054.26	1	09:06	0.03
SS00035	JUNCTION	0.03	0.04	5052.85	1	09:10	0.04
SS00036	JUNCTION	0.04	0.05	5051.11	2	09:13	0.05
SS00037	JUNCTION	0.04	0.05	5049.29	2	09:13	0.05
SS00038	JUNCTION	0.04	0.06	5048.51	2	09:14	0.06
SS00039	JUNCTION	0.04	0.06	5047.72	2	09:14	0.06
SS00040	JUNCTION	0.05	0.06	5047.09	2	09:15	0.06
SS00041	JUNCTION	0.03	0.04	5046.27	2	09:16	0.04
SS00042	JUNCTION	0.01	0.01	5042.98	3	09:03	0.01
SS00043	JUNCTION	0.02	0.02	5040.44	1	09:07	0.02
SS00044	JUNCTION	0.02	0.02	5039.14	1	09:10	0.02
SS00045	JUNCTION	0.02	0.03	5033.78	2	09:13	0.03
SS00046	JUNCTION	0.02	0.03	5030.15	3	09:21	0.03
SS00047	JUNCTION	0.08	0.11	5028.79	1	09:35	0.11
SS00048	JUNCTION	0.08	0.11	5027.52	2	09:38	0.11
SS00049	JUNCTION	0.09	0.12	5025.69	2	09:39	0.12
SS00050	JUNCTION	0.08	0.11	5024.38	2	09:40	0.11
SS00051	JUNCTION	0.08	0.11	5023.04	2	09:42	0.11
SS00052	JUNCTION	0.07	0.10	5021.78	2	09:43	0.10
SS00053	JUNCTION	0.14	0.19	4972.90	0	09:51	0.19
SS00054	JUNCTION	0.05	0.07	4981.35	0	09:50	0.07

SS00055	JUNCTION	0.05	0.06	4993.39	0	09:49	0.06
SS00056	JUNCTION	0.05	0.07	5001.83	0	09:49	0.07
SS00057	JUNCTION	0.07	0.10	5004.71	0	09:48	0.10
SS00058	JUNCTION	0.08	0.10	5006.69	2	09:46	0.10
SS00059	JUNCTION	0.06	0.08	5012.58	2	09:45	0.08
SS00060	JUNCTION	0.05	0.07	5019.67	2	09:44	0.07
SS00061	JUNCTION	0.01	0.01	5023.49	1	09:07	0.01
SS00062	JUNCTION	0.01	0.01	5018.60	1	09:09	0.01
SS00063	JUNCTION	0.01	0.01	5009.85	2	09:12	0.01
SS00064	JUNCTION	0.02	0.02	4997.46	2	09:14	0.02
SS00065	JUNCTION	0.02	0.02	4993.85	2	09:16	0.02
SS00066	JUNCTION	0.00	0.00	5012.54	0	00:00	0.00
SS00067	JUNCTION	0.01	0.01	5009.81	1	09:08	0.01
SS00068	JUNCTION	0.01	0.02	5007.55	1	09:09	0.02
SS00069	JUNCTION	0.01	0.02	5005.30	2	09:11	0.02
SS00070	JUNCTION	0.00	0.00	5014.85	0	00:00	0.00
SS00071	JUNCTION	0.01	0.01	5017.50	1	09:06	0.01
SS00072	JUNCTION	0.01	0.01	5015.78	2	09:14	0.01
SS00073	JUNCTION	0.01	0.01	5013.66	2	09:18	0.01
SS00074	JUNCTION	0.01	0.02	5011.10	1	09:14	0.02
SS00075	JUNCTION	0.01	0.02	5006.94	1	09:13	0.02
SS00076	JUNCTION	0.02	0.02	5004.42	3	09:13	0.02
SS00077	JUNCTION	0.02	0.02	5001.11	2	09:19	0.02
SS00078	JUNCTION	0.02	0.02	4996.91	3	09:21	0.02
SS00079	JUNCTION	0.02	0.02	4994.78	3	09:20	0.02
SS00080	JUNCTION	0.01	0.02	4997.24	1	09:06	0.02
SS00081	JUNCTION	0.02	0.03	4990.79	3	09:22	0.03
SS00082	JUNCTION	0.03	0.03	4988.08	3	09:25	0.03
SS00083	JUNCTION	0.03	0.03	4987.53	0	09:26	0.03
SS00084	JUNCTION	0.01	0.01	4987.52	1	09:07	0.01
SS00085	JUNCTION	0.03	0.04	4985.52	3	09:30	0.04
SS00086	JUNCTION	0.03	0.03	4986.26	3	09:28	0.03
SS00087	JUNCTION	0.03	0.04	4984.33	1	09:33	0.04
SS00088	JUNCTION	0.03	0.04	4983.20	1	09:36	0.04
SS00089	JUNCTION	0.01	0.01	5021.13	3	09:03	0.01
SS00090	JUNCTION	0.01	0.01	5018.46	1	09:05	0.01
SS00091	JUNCTION	0.01	0.01	5012.59	1	09:06	0.01
SS00092	JUNCTION	0.01	0.02	5007.06	1	09:09	0.02
SS00093	JUNCTION	0.02	0.02	5003.57	2	09:12	0.02
SS00094	JUNCTION	0.02	0.02	5001.19	2	09:15	0.02
SS00095	JUNCTION	0.02	0.02	4999.34	2	09:15	0.02
SS00096	JUNCTION	0.01	0.01	5004.24	1	09:06	0.01
SS00097	JUNCTION	0.02	0.02	4995.64	2	09:17	0.02
SS00098	JUNCTION	0.01	0.02	4991.55	2	09:19	0.02
SS00099	JUNCTION	0.02	0.03	4982.23	1	09:30	0.03
SS00100	JUNCTION	0.02	0.03	4980.33	1	09:32	0.03
SS00101	JUNCTION	0.04	0.06	4974.44	1	09:36	0.06
SS00102	JUNCTION	0.29	0.38	4915.47	1	10:46	0.38
SS00103	JUNCTION	0.23	0.31	4916.44	0	10:31	0.31
SS00104	JUNCTION	0.21	0.28	4917.01	0	10:28	0.28
SS00105	JUNCTION	0.25	0.33	4917.26	0	10:26	0.33
SS00106	JUNCTION	0.19	0.26	4917.64	0	10:25	0.26
SS00107	JUNCTION	0.27	0.35	4918.06	0	10:24	0.35
SS00108	JUNCTION	0.24	0.32	4918.21	0	10:22	0.32
SS00109	JUNCTION	0.29	0.37	4918.58	0	10:21	0.37
SS00110	JUNCTION	0.19	0.27	4918.61	0	10:20	0.27
SS00111	JUNCTION	0.24	0.32	4918.93	0	10:17	0.32
SS00112	JUNCTION	0.01	0.01	4992.79	2	09:17	0.01
SS00113	JUNCTION	0.02	0.03	4987.36	1	09:09	0.03
SS00114	JUNCTION	0.02	0.03	4983.32	1	09:09	0.03
SS00115	JUNCTION	0.02	0.03	4978.16	1	09:10	0.03
SS00116	JUNCTION	0.03	0.03	4974.11	1	09:10	0.03
SS00117	JUNCTION	0.03	0.04	4970.20	2	09:11	0.04

SS00118	JUNCTION	0.02	0.03	4967.23	2	09:12	0.03
SS00119	JUNCTION	0.03	0.03	4964.40	2	09:12	0.03
SS00120	JUNCTION	0.03	0.04	4962.42	2	09:10	0.04
SS00121	JUNCTION	0.03	0.04	4959.12	2	09:11	0.04
SS00122	JUNCTION	0.05	0.07	4952.13	2	09:15	0.07
SS00123	JUNCTION	0.04	0.05	4950.34	2	09:14	0.05
SS00124	JUNCTION	0.04	0.05	4950.88	2	09:11	0.05
SS00125	JUNCTION	0.02	0.03	4968.98	1	09:10	0.03
SS00126	JUNCTION	0.02	0.03	4976.63	1	09:10	0.03
SS00127	JUNCTION	0.02	0.02	4978.20	1	09:09	0.02
SS00128	JUNCTION	0.02	0.02	4978.98	1	09:08	0.02
SS00129	JUNCTION	0.02	0.02	4981.63	1	09:07	0.02
SS00130	JUNCTION	0.02	0.02	4982.08	1	09:05	0.02
SS00131	JUNCTION	0.02	0.02	4982.57	3	09:05	0.02
SS00132	JUNCTION	0.02	0.02	4984.00	3	09:04	0.02
SS00133	JUNCTION	0.02	0.03	4979.01	2	09:11	0.03
SS00134	JUNCTION	0.02	0.03	4980.28	1	09:10	0.03
SS00135	JUNCTION	0.02	0.03	4982.94	1	09:09	0.03
SS00136	JUNCTION	0.02	0.02	4986.95	1	09:06	0.02
SS00137	JUNCTION	0.01	0.01	4968.35	3	09:03	0.01
SS00138	JUNCTION	0.01	0.01	4979.36	3	09:03	0.01
SS00139	JUNCTION	0.01	0.01	4976.97	3	09:03	0.01
SS00140	JUNCTION	0.02	0.02	4974.67	3	09:03	0.02
SS00141	JUNCTION	0.02	0.02	4972.39	3	09:04	0.02
SS00142	JUNCTION	0.02	0.03	4970.25	1	09:06	0.03
SS00143	JUNCTION	0.02	0.03	4966.17	1	09:06	0.03
SS00144	JUNCTION	0.02	0.03	4964.01	1	09:07	0.03
SS00145	JUNCTION	0.01	0.01	4955.72	3	09:02	0.01
SS00146	JUNCTION	0.02	0.02	4957.31	3	09:04	0.02
SS00147	JUNCTION	0.02	0.02	4956.07	1	09:07	0.02
SS00148	JUNCTION	0.01	0.02	4955.79	1	09:07	0.02
SS00149	JUNCTION	0.02	0.02	4954.94	1	09:07	0.02
SS00150	JUNCTION	0.04	0.05	4945.77	2	09:13	0.05
SS00151	JUNCTION	0.04	0.05	4946.32	2	09:13	0.05
SS00152	JUNCTION	0.01	0.01	4950.27	3	09:03	0.01
SS00153	JUNCTION	0.03	0.04	4946.86	2	09:14	0.04
SS00154	JUNCTION	0.03	0.04	4948.10	2	09:13	0.04
SS00155	JUNCTION	0.00	0.00	4949.41	0	00:00	0.00
SS00156	JUNCTION	0.01	0.01	4974.69	3	09:03	0.01
SS00157	JUNCTION	0.01	0.01	4972.02	1	09:08	0.01
SS00158	JUNCTION	0.01	0.01	4962.00	2	09:10	0.01
SS00159	JUNCTION	0.03	0.04	4949.34	1	09:08	0.04
SS00160	JUNCTION	0.02	0.03	4950.69	3	09:03	0.03
SS00161	JUNCTION	0.06	0.08	4945.07	2	09:14	0.08
SS00162	JUNCTION	0.04	0.06	4944.85	2	09:20	0.06
SS00163	JUNCTION	0.02	0.02	4989.13	3	09:05	0.02
SS00164	JUNCTION	0.02	0.03	4983.97	1	09:05	0.03
SS00165	JUNCTION	0.11	0.12	4979.42	1	09:10	0.12
SS00166	JUNCTION	0.13	0.14	4974.67	2	09:13	0.14
SS00167	JUNCTION	0.03	0.05	4967.59	2	09:14	0.05
SS00168	JUNCTION	0.04	0.05	4961.16	2	09:14	0.05
SS00169	JUNCTION	0.04	0.05	4954.72	2	09:16	0.05
SS00170	JUNCTION	0.05	0.06	4948.30	2	09:16	0.06
SS00171	JUNCTION	0.10	0.12	4948.70	2	09:15	0.12
SS00172	JUNCTION	0.03	0.04	4949.32	2	09:14	0.04
SS00173	JUNCTION	0.04	0.05	4946.61	2	09:17	0.05
SS00174	JUNCTION	0.13	0.14	4952.32	2	09:13	0.14
SS00175	JUNCTION	0.11	0.12	4957.12	1	09:08	0.12
SS00176	JUNCTION	0.02	0.02	4968.53	3	09:03	0.02
SS00177	JUNCTION	0.01	0.01	4970.71	3	09:02	0.01
SS00178	JUNCTION	0.01	0.01	4973.71	3	09:03	0.01
SS00179	JUNCTION	0.09	0.11	4939.07	3	09:59	0.11
SS00180	JUNCTION	0.12	0.16	4937.80	1	10:01	0.16

SS00181	JUNCTION	0.19	0.25	4939.37	1	10:04	0.25
SS00182	JUNCTION	0.13	0.16	4939.87	2	09:58	0.16
SS00183	JUNCTION	0.07	0.09	4941.81	2	09:18	0.09
SS00184	JUNCTION	0.04	0.05	4943.22	3	09:24	0.05
SS00185	JUNCTION	0.02	0.03	5049.91	3	09:04	0.03
SS00186	JUNCTION	0.03	0.04	5047.96	1	09:07	0.04
SS00187	JUNCTION	0.03	0.04	5045.27	2	09:11	0.04
SS00188	JUNCTION	0.03	0.04	5041.95	2	09:11	0.04
SS00189	JUNCTION	0.03	0.04	5039.69	2	09:12	0.04
SS00190	JUNCTION	0.03	0.04	5034.66	1	09:12	0.04
SS00191	JUNCTION	0.07	0.09	5030.07	2	09:15	0.09
SS00192	JUNCTION	0.06	0.08	5031.39	2	09:13	0.08
SS00193	JUNCTION	0.05	0.07	5032.84	2	09:12	0.07
SS00194	JUNCTION	0.05	0.07	5034.00	2	09:11	0.07
SS00195	JUNCTION	0.03	0.04	5035.99	1	09:07	0.04
SS00196	JUNCTION	0.02	0.02	5041.67	3	09:04	0.02
SS00197	JUNCTION	0.01	0.01	5043.19	3	09:03	0.01
SS00198	JUNCTION	0.03	0.04	5039.38	1	09:08	0.04
SS00199	JUNCTION	0.03	0.04	5036.79	1	09:09	0.04
SS00200	JUNCTION	0.05	0.07	5035.43	2	09:12	0.07
SS00201	JUNCTION	0.03	0.04	5038.01	1	09:09	0.04
SS00202	JUNCTION	0.03	0.04	5040.03	1	09:08	0.04
SS00204	JUNCTION	0.03	0.03	5041.35	1	09:07	0.03
SS00205	JUNCTION	0.02	0.02	5042.47	3	09:02	0.02
SS00206	JUNCTION	0.02	0.03	5039.17	3	09:04	0.03
SS00207	JUNCTION	0.02	0.03	5035.99	1	09:06	0.03
SS00208	JUNCTION	0.03	0.04	5033.14	1	09:08	0.04
SS00209	JUNCTION	0.03	0.04	5030.95	1	09:09	0.04
SS00210	JUNCTION	0.07	0.27	5025.78	1	09:13	0.27
SS00211	JUNCTION	0.07	0.20	5024.19	1	09:14	0.20
SS00212	JUNCTION	0.06	0.14	5022.41	1	09:15	0.14
SS00213	JUNCTION	0.13	0.21	5016.88	1	09:19	0.21
SS00214	JUNCTION	0.04	0.06	5027.38	2	09:16	0.06
SS00215	JUNCTION	0.01	0.02	5035.16	1	09:07	0.02
SS00216	JUNCTION	0.01	0.02	5037.94	1	09:05	0.02
SS00217	JUNCTION	0.02	0.03	5035.91	3	09:04	0.03
SS00218	JUNCTION	0.02	0.03	5033.48	1	09:06	0.03
SS00219	JUNCTION	0.03	0.04	5027.13	1	09:08	0.04
SS00220	JUNCTION	0.02	0.03	5028.68	1	09:06	0.03
SS00221	JUNCTION	0.02	0.24	5027.39	0	09:29	0.24
SS00222	JUNCTION	0.13	0.24	5017.48	1	09:17	0.24
SS00223	JUNCTION	0.02	0.02	5021.99	3	09:03	0.02
SS00224	JUNCTION	0.06	0.07	5017.00	1	09:07	0.07
SS00225	JUNCTION	0.03	0.03	5016.86	1	09:10	0.03
SS00226	JUNCTION	0.03	0.04	5015.32	2	09:13	0.04
SS00227	JUNCTION	0.01	0.02	5021.25	1	09:06	0.02
SS00228	JUNCTION	0.02	0.02	5019.73	3	09:02	0.02
SS00229	JUNCTION	0.03	0.04	5018.39	1	09:07	0.04
SS00230	JUNCTION	0.03	0.04	5016.29	1	09:07	0.04
SS00231	JUNCTION	0.03	0.04	5013.06	2	09:11	0.04
SS00232	JUNCTION	0.02	0.03	5009.07	2	09:13	0.03
SS00233	JUNCTION	0.04	0.05	5011.26	2	09:15	0.05
SS00234	JUNCTION	0.04	0.05	5013.63	2	09:13	0.05
SS00235	JUNCTION	0.02	0.03	5019.08	3	09:04	0.03
SS00236	JUNCTION	0.03	0.03	5016.24	1	09:08	0.03
SS00237	JUNCTION	0.03	0.04	5013.87	1	09:10	0.04
SS00238	JUNCTION	0.03	0.04	5011.03	2	09:12	0.04
SS00239	JUNCTION	0.03	0.04	5007.74	2	09:16	0.04
SS00240	JUNCTION	0.05	0.07	4961.38	3	09:54	0.07
SS00241	JUNCTION	0.12	0.14	4972.06	0	09:53	0.14
SS00242	JUNCTION	0.10	0.14	4972.57	0	09:52	0.14
SS00243	JUNCTION	0.01	0.01	5041.08	3	09:03	0.01
SS00244	JUNCTION	0.02	0.03	5026.31	1	09:07	0.03

SS00245	JUNCTION	0.02	0.03	5024.24	2	09:11	0.03
SS00246	JUNCTION	0.03	0.04	5020.76	2	09:11	0.04
SS00247	JUNCTION	0.14	0.22	5016.10	1	09:22	0.22
SS00248	JUNCTION	0.04	0.05	5020.60	2	09:12	0.05
SS00249	JUNCTION	0.04	0.05	5022.87	2	09:11	0.05
SS00250	JUNCTION	0.04	0.05	5024.53	1	09:08	0.05
SS00251	JUNCTION	0.01	0.02	5036.53	3	09:01	0.02
SS00252	JUNCTION	0.12	0.18	5015.03	1	09:24	0.18
SS00253	JUNCTION	0.13	0.20	5013.27	1	09:26	0.20
SS00254	JUNCTION	0.08	0.11	5011.61	3	09:23	0.11
SS00255	JUNCTION	0.03	0.04	5017.75	1	09:09	0.04
SS00256	JUNCTION	0.08	0.12	4999.73	1	09:29	0.12
SS00257	JUNCTION	0.04	0.04	5005.56	2	11:10	0.04
SS00258	JUNCTION	0.03	0.04	5008.49	2	11:11	0.04
SS00259	JUNCTION	0.03	0.03	5011.94	0	12:00	0.03
SS00260	JUNCTION	0.02	0.02	5019.78	3	12:00	0.02
SS00261	JUNCTION	0.02	0.02	5029.79	2	12:00	0.02
SS00262	JUNCTION	0.02	0.02	5035.69	1	12:00	0.02
SS00263	JUNCTION	0.06	0.07	5001.57	3	09:23	0.07
SS00264	JUNCTION	0.05	0.06	5003.33	2	09:17	0.06
SS00265	JUNCTION	0.02	0.02	5009.18	2	09:12	0.02
SS00266	JUNCTION	0.03	0.04	4994.70	3	09:04	0.04
SS00267	JUNCTION	0.04	0.05	4993.61	2	09:11	0.05
SS00268	JUNCTION	0.03	0.03	4993.25	3	09:20	0.03
SS00269	JUNCTION	0.05	0.06	4991.97	3	11:11	0.06
SS00270	JUNCTION	0.11	0.15	4990.02	1	09:29	0.15
SS00271	JUNCTION	0.10	0.14	4989.25	1	09:30	0.14
SS00272	JUNCTION	0.02	0.03	4984.08	3	09:04	0.03
SS00273	JUNCTION	0.32	0.34	4979.71	2	09:13	0.34
SS00274	JUNCTION	0.11	0.16	4974.89	3	09:27	0.16
SS00275	JUNCTION	0.11	0.15	4973.02	3	09:28	0.15
SS00276	JUNCTION	0.09	0.13	4980.46	1	09:32	0.13
SS00277	JUNCTION	0.09	0.13	4983.69	1	09:31	0.13
SS00278	JUNCTION	0.02	0.03	4986.61	1	09:13	0.03
SS00279	JUNCTION	0.04	0.04	4992.36	1	09:10	0.04
SS00280	JUNCTION	0.04	0.05	4996.45	0	12:22	0.05
SS00281	JUNCTION	0.01	0.01	4997.67	2	12:06	0.01
SS00282	JUNCTION	0.00	0.00	5076.86	0	00:00	0.00
SS00283	JUNCTION	0.01	0.01	4951.44	3	09:04	0.01
SS00284	JUNCTION	0.02	0.03	4963.39	2	09:10	0.03
SS00285	JUNCTION	0.22	0.29	4914.64	1	10:46	0.29
SS00286	JUNCTION	0.10	0.13	5040.40	3	09:22	0.13
SS00287	JUNCTION	0.11	0.15	5039.34	3	09:26	0.15
SS00288	JUNCTION	0.10	0.13	5038.21	3	09:29	0.13
SS00289	JUNCTION	0.09	0.12	5036.69	3	09:30	0.12
SS00290	JUNCTION	0.07	0.09	5036.22	1	09:32	0.09
SS00291	JUNCTION	0.08	0.11	5030.22	1	09:34	0.11
SS00292	JUNCTION	0.07	0.09	4955.51	3	09:56	0.09
SS00293	JUNCTION	0.06	0.07	4951.38	3	09:57	0.07
SS00294	JUNCTION	0.09	0.12	4943.54	1	10:01	0.12
SS00295	JUNCTION	0.08	0.10	4942.29	1	10:03	0.10
SS00296	JUNCTION	0.09	0.12	4935.29	1	10:02	0.12
SS00297	JUNCTION	0.09	0.13	4932.91	1	10:03	0.13
SS00298	JUNCTION	0.11	0.14	4930.19	1	10:05	0.14
SS00299	JUNCTION	0.10	0.14	4927.16	2	10:06	0.14
SS00300	JUNCTION	0.16	0.21	4923.95	2	10:09	0.21
SS00301	JUNCTION	0.17	0.23	4923.33	2	10:12	0.23
SS00302	JUNCTION	0.23	0.30	4922.68	0	10:14	0.30
SS00303	JUNCTION	0.10	0.14	4967.79	3	09:29	0.14
SS00304	JUNCTION	0.09	0.12	4953.37	3	09:30	0.12
SS00305	JUNCTION	0.11	0.15	4947.26	3	09:32	0.15
SS00306	JUNCTION	0.11	0.15	4943.31	3	09:33	0.15
SS00307	JUNCTION	0.11	0.15	4939.31	1	09:40	0.15

SS00308	JUNCTION	0.11	0.15	4934.97	1	09:41	0.15
SS00309	JUNCTION	0.11	0.15	4932.59	1	09:42	0.15
SS00310	JUNCTION	0.09	0.12	4930.74	1	09:43	0.12
SS00311	JUNCTION	0.20	0.27	4922.43	0	10:01	0.27
SS00312	JUNCTION	0.26	0.34	4921.96	0	10:03	0.34
SS00313	JUNCTION	0.23	0.32	4921.50	0	10:06	0.32
SS00314	JUNCTION	0.20	0.27	4921.09	0	10:09	0.27
SS00315	JUNCTION	0.22	0.29	4919.81	0	10:13	0.29
SSC00001	JUNCTION	0.03	0.03	5018.54	1	09:06	0.03
SSC00002	JUNCTION	0.02	0.03	5011.29	1	09:09	0.03
SSC00003	JUNCTION	0.02	0.02	5004.64	1	09:25	0.02
SSC00004	JUNCTION	0.00	0.00	5017.70	0	00:00	0.00
SSC00005	JUNCTION	0.02	0.02	5026.85	1	09:09	0.02
SSC00006	JUNCTION	0.02	0.02	5013.37	3	09:04	0.02
SSC00007	JUNCTION	0.00	0.00	5045.31	0	00:00	0.00
SS00203E	JUNCTION	0.02	0.03	5043.35	1	09:06	0.03
SS00203N	JUNCTION	0.02	0.02	5043.44	1	09:05	0.02
LS00001dh	JUNCTION	28.25	107.15	5105.15	0	07:35	99.30
SS00316	JUNCTION	0.02	0.03	5032.04	2	09:18	0.03
SS00317	JUNCTION	0.10	0.13	4956.87	3	09:29	0.13
WWTF00001	OUTFALL	0.17	0.23	4914.48	1	10:46	0.23
LS00001	STORAGE	3.10	4.01	5002.01	3	08:38	4.00

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Node Inflow Summary
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Node	Type	Maximum Lateral Inflow GPM	Maximum Total Inflow GPM	Time of Max Occurrence days hr:min	Lateral Inflow Volume 10^6 gal	Total Inflow Volume 10^6 gal	Flow Balance Error Percent
SS00001	JUNCTION	0.19	0.19	0 09:00	0.000643	0.000643	0.073
SS00002	JUNCTION	0.19	0.38	3 09:02	0.000643	0.00129	0.488
SS00003	JUNCTION	0.38	0.75	1 09:06	0.00129	0.00257	0.072
SS00004	JUNCTION	1.13	1.87	3 09:01	0.00385	0.00642	0.041
SS00005	JUNCTION	2.44	4.31	3 09:01	0.00834	0.0148	0.093
SS00006	JUNCTION	0.75	5.05	1 09:06	0.00257	0.0173	0.054
SS00007	JUNCTION	0.56	5.61	1 09:08	0.00192	0.0192	0.040
SS00008	JUNCTION	0.00	5.61	1 09:09	0	0.0192	0.031
SS00009	JUNCTION	0.94	9.73	1 09:08	0.00321	0.0333	0.027
SS00010	JUNCTION	1.50	3.18	3 09:01	0.00513	0.0109	0.066
SS00011	JUNCTION	1.69	1.69	0 09:00	0.00578		

0.00578	0.079							
SS00012		JUNCTION	0.38	10.10	1	09:09	0.00129	
0.0346	0.017							
SS00013		JUNCTION	0.19	10.29	1	09:09	0.000643	
0.0352	0.050							
SS00014		JUNCTION	0.75	11.03	2	09:11	0.00257	
0.0378	0.022							
SS00015		JUNCTION	0.19	11.22	2	09:12	0.000643	
0.0384	0.036							
SS00016		JUNCTION	0.94	12.15	2	09:13	0.00321	
0.0416	0.048							
SS00017		JUNCTION	0.38	13.64	2	09:15	0.00129	
0.0467	0.036							
SS00018		JUNCTION	1.13	1.13	0	09:00	0.00385	
0.00385	0.112							
SS00019		JUNCTION	0.94	0.94	0	09:00	0.00321	
0.00321	0.080							
SS00020		JUNCTION	0.38	1.31	3	09:01	0.00129	
0.00449	0.053							
SS00021		JUNCTION	0.00	1.31	3	09:04	0	
0.00449	0.071							
SS00022		JUNCTION	0.75	2.06	1	09:06	0.00257	
0.00705	0.080							
SS00023		JUNCTION	1.13	3.18	1	09:06	0.00385	
0.0109	0.083							
SS00024		JUNCTION	1.88	5.05	1	09:06	0.00642	
0.0173	0.102							
SS00025		JUNCTION	0.00	5.05	1	09:11	0	
0.0173	0.069							
SS00026		JUNCTION	2.44	7.47	2	09:11	0.00834	
0.0256	0.067							
SS00027		JUNCTION	0.94	8.41	1	09:12	0.00321	
0.0288	0.060							
SS00028		JUNCTION	0.75	9.15	1	09:14	0.00257	
0.0314	0.027							
SS00029		JUNCTION	0.00	33.43	2	09:18	0	
0.114	0.075							
SS00030		JUNCTION	0.94	15.69	2	09:17	0.00321	
0.0537	0.055							
SS00031		JUNCTION	0.56	14.76	2	09:17	0.00192	
0.0505	0.028							
SS00032		JUNCTION	0.56	14.20	2	09:16	0.00192	
0.0486	0.032							
SS00033		JUNCTION	0.75	0.75	0	09:00	0.00257	
0.00257	0.113							
SS00034		JUNCTION	0.94	1.69	3	09:01	0.00321	
0.00577	0.111							
SS00035		JUNCTION	2.06	3.75	3	09:02	0.00706	
0.0128	0.135							
SS00036		JUNCTION	1.88	5.61	1	09:06	0.00642	
0.0192	0.118							
SS00037		JUNCTION	0.75	6.35	2	09:12	0.00257	
0.0218	0.035							
SS00038		JUNCTION	0.75	7.10	2	09:12	0.00257	
0.0243	0.046							
SS00039		JUNCTION	0.56	7.66	2	09:13	0.00192	
0.0262	0.037							
SS00040		JUNCTION	0.56	8.22	2	09:14	0.00192	
0.0282	0.040							
SS00041		JUNCTION	0.38	8.59	2	09:15	0.00129	
0.0294	0.026							
SS00042		JUNCTION	0.56	0.56	0	09:00	0.00192	
0.00192	0.090							

SS00043		JUNCTION	0.56	1.12	3	09:01	0.00192
0.00384	0.136						
SS00044		JUNCTION	0.38	1.50	1	09:05	0.00129
0.00513	0.085						
SS00045		JUNCTION	0.00	1.50	1	09:10	0
0.00512	0.075						
SS00046		JUNCTION	0.19	2.05	2	09:17	0.000643
0.00704	0.096						
SS00047		JUNCTION	0.38	33.78	1	09:34	0.00129
0.115	0.046						
SS00048		JUNCTION	0.19	33.96	1	09:36	0.000643
0.116	0.056						
SS00049		JUNCTION	0.00	36.01	2	09:37	0
0.123	0.045						
SS00050		JUNCTION	0.38	36.38	2	09:39	0.00129
0.124	0.024						
SS00051		JUNCTION	0.19	36.56	2	09:40	0.000643
0.125	0.053						
SS00052		JUNCTION	0.19	36.75	2	09:42	0.000643
0.125	0.028						
SS00053		JUNCTION	0.00	43.80	0	09:49	0
0.149	0.074						
SS00054		JUNCTION	0.00	38.40	0	09:49	0
0.131	0.020						
SS00055		JUNCTION	0.38	38.40	0	09:49	0.00129
0.131	0.020						
SS00056		JUNCTION	0.19	38.03	0	09:48	0.000643
0.13	0.022						
SS00057		JUNCTION	0.38	37.85	2	09:46	0.00129
0.129	0.047						
SS00058		JUNCTION	0.00	37.48	2	09:45	0
0.128	0.044						
SS00059		JUNCTION	0.38	37.48	2	09:43	0.00129
0.128	0.029						
SS00060		JUNCTION	0.38	37.11	2	09:43	0.00129
0.127	0.027						
SS00061		JUNCTION	0.19	0.19	0	09:00	0.000643
0.000643	0.093						
SS00062		JUNCTION	0.38	0.56	0	09:00	0.00129
0.00193	0.108						
SS00063		JUNCTION	0.19	0.75	1	09:07	0.000643
0.00257	0.083						
SS00064		JUNCTION	0.38	1.12	1	09:08	0.00129
0.00385	0.130						
SS00065		JUNCTION	0.00	1.12	2	09:14	0
0.00385	0.081						
SS00066		JUNCTION	0.00	0.00	0	00:00	0
0	0.000 gal						
SS00067		JUNCTION	0.38	0.38	0	09:00	0.00129
0.00129	0.170						
SS00068		JUNCTION	0.38	0.75	3	09:03	0.00129
0.00257	0.142						
SS00069		JUNCTION	0.00	0.75	1	09:09	0
0.00257	0.067						
SS00070		JUNCTION	0.00	0.00	0	00:00	0
0	0.000 gal						
SS00071		JUNCTION	0.38	0.38	0	09:00	0.00129
0.00129	0.150						
SS00072		JUNCTION	0.00	0.37	1	09:06	0
0.00128	0.154						
SS00073		JUNCTION	0.00	0.37	2	09:14	0
0.00128	0.102						
SS00074		JUNCTION	0.38	0.75	2	09:11	0.00129

0.00257	0.070							
SS00075		JUNCTION	0.19	0.94	1	09:10	0.000643	
0.00321	0.097							
SS00076		JUNCTION	0.00	1.68	1	09:12	0	
0.00577	0.044							
SS00077		JUNCTION	0.00	1.68	2	09:14	0	
0.00577	0.096							
SS00078		JUNCTION	0.00	1.68	2	09:19	0	
0.00576	0.051							
SS00079		JUNCTION	0.00	2.24	2	09:18	0	
0.00768	0.061							
SS00080		JUNCTION	0.56	0.56	0	09:00	0.00192	
0.00192	0.154							
SS00081		JUNCTION	0.19	2.43	2	09:20	0.000643	
0.00832	0.068							
SS00082		JUNCTION	0.00	2.43	3	09:22	0	
0.00831	0.060							
SS00083		JUNCTION	0.38	2.80	0	09:23	0.00129	
0.00959	0.072							
SS00084		JUNCTION	0.38	0.38	0	09:00	0.00129	
0.00129	0.164							
SS00085		JUNCTION	0.00	3.17	0	09:26	0	
0.0109	0.087							
SS00086		JUNCTION	0.00	2.80	0	09:26	0	
0.00959	0.050							
SS00087		JUNCTION	0.00	3.17	3	09:30	0	
0.0109	0.086							
SS00088		JUNCTION	0.00	3.17	1	09:34	0	
0.0108	0.062							
SS00089		JUNCTION	0.19	0.19	0	09:00	0.000643	
0.000643	0.054							
SS00090		JUNCTION	0.19	0.38	3	09:01	0.000643	
0.00129	0.078							
SS00091		JUNCTION	0.19	0.56	3	09:03	0.000643	
0.00193	0.063							
SS00092		JUNCTION	0.38	0.94	3	09:04	0.00129	
0.00321	0.128							
SS00093		JUNCTION	0.19	1.12	1	09:08	0.000643	
0.00385	0.110							
SS00094		JUNCTION	0.00	1.12	2	09:12	0	
0.00385	0.099							
SS00095		JUNCTION	0.19	1.87	2	09:12	0.000643	
0.00641	0.071							
SS00096		JUNCTION	0.56	0.56	0	09:00	0.00192	
0.00192	0.138							
SS00097		JUNCTION	0.19	2.06	2	09:14	0.000643	
0.00705	0.065							
SS00098		JUNCTION	0.00	2.06	2	09:17	0	
0.00704	0.045							
SS00099		JUNCTION	0.00	5.22	1	09:30	0	
0.0179	0.024							
SS00100		JUNCTION	0.19	5.41	1	09:30	0.000643	
0.0185	0.048							
SS00101		JUNCTION	0.00	5.41	1	09:32	0	
0.0185	0.117							
SS00102		JUNCTION	0.00	188.16	0	10:31	0	
0.645	0.253							
SS00103		JUNCTION	0.00	188.78	0	10:28	0	
0.645	0.125							
SS00104		JUNCTION	0.00	188.91	0	10:26	0	
0.645	0.025							
SS00105		JUNCTION	0.00	188.92	0	10:26	0	
0.646	0.075							

SS00106		JUNCTION	0.00	188.94	0	10:25	0	
0.646	0.026							
SS00107		JUNCTION	0.00	189.32	0	10:22	0	
0.647	0.093							
SS00108		JUNCTION	0.00	189.42	0	10:21	0	
0.647	0.032							
SS00109		JUNCTION	0.00	189.67	0	10:19	0	
0.647	0.068							
SS00110		JUNCTION	0.00	190.22	0	10:18	0	
0.648	0.054							
SS00111		JUNCTION	0.00	191.46	0	10:14	0	
0.648	0.009							
SS00112		JUNCTION	0.00	1.12	2	09:16	0	
0.00385	0.028							
SS00113		JUNCTION	1.31	2.43	1	09:08	0.00449	
0.00833	0.044							
SS00114		JUNCTION	0.94	3.36	3	09:05	0.00321	
0.0115	0.076							
SS00115		JUNCTION	0.56	3.92	1	09:08	0.00192	
0.0135	0.042							
SS00116		JUNCTION	0.75	4.67	1	09:08	0.00257	
0.016	0.042							
SS00117		JUNCTION	0.38	5.04	1	09:09	0.00129	
0.0173	0.039							
SS00118		JUNCTION	0.19	5.23	2	09:11	0.000643	
0.0179	0.022							
SS00119		JUNCTION	0.00	5.23	2	09:12	0	
0.0179	0.023							
SS00120		JUNCTION	0.19	8.79	1	09:10	0.000643	
0.0301	0.010							
SS00121		JUNCTION	0.19	8.98	2	09:10	0.000643	
0.0307	0.025							
SS00122		JUNCTION	0.75	9.72	2	09:11	0.00257	
0.0333	0.084							
SS00123		JUNCTION	0.00	17.20	2	09:13	0	
0.0589	0.023							
SS00124		JUNCTION	0.00	7.11	2	09:10	0	
0.0243	0.022							
SS00125		JUNCTION	1.13	6.36	1	09:09	0.00385	
0.0218	0.019							
SS00126		JUNCTION	0.94	5.24	1	09:09	0.00321	
0.0179	0.032							
SS00127		JUNCTION	0.00	1.69	1	09:08	0	
0.00577	0.042							
SS00128		JUNCTION	0.19	1.69	1	09:07	0.000643	
0.00577	0.032							
SS00129		JUNCTION	0.38	1.50	3	09:04	0.00129	
0.00513	0.069							
SS00130		JUNCTION	0.19	1.12	3	09:04	0.000643	
0.00385	0.051							
SS00131		JUNCTION	0.19	0.94	3	09:03	0.000643	
0.00321	0.054							
SS00132		JUNCTION	0.75	0.75	0	09:00	0.00257	
0.00257	0.119							
SS00133		JUNCTION	0.38	2.62	1	09:08	0.00129	
0.00898	0.058							
SS00134		JUNCTION	0.38	2.25	1	09:08	0.00129	
0.00769	0.046							
SS00135		JUNCTION	0.38	1.87	3	09:04	0.00129	
0.00641	0.087							
SS00136		JUNCTION	1.50	1.50	0	09:00	0.00513	
0.00513	0.120							
SS00137		JUNCTION	0.75	0.75	0	09:00	0.00257	

0.00257	0.079							
SS00138		JUNCTION	0.38	0.38	0	09:00	0.00129	
0.00129	0.076							
SS00139		JUNCTION	0.38	0.75	3	09:01	0.00129	
0.00257	0.057							
SS00140		JUNCTION	0.75	1.50	3	09:01	0.00257	
0.00514	0.049							
SS00141		JUNCTION	0.38	1.88	3	09:03	0.00129	
0.00642	0.038							
SS00142		JUNCTION	0.75	2.62	3	09:03	0.00257	
0.00898	0.050							
SS00143		JUNCTION	0.56	3.18	1	09:05	0.00192	
0.0109	0.035							
SS00144		JUNCTION	0.19	3.37	1	09:06	0.000643	
0.0115	0.033							
SS00145		JUNCTION	0.75	0.75	0	09:00	0.00257	
0.00257	0.068							
SS00146		JUNCTION	0.75	0.75	0	09:00	0.00257	
0.00257	0.127							
SS00147		JUNCTION	0.00	0.75	3	09:04	0	
0.00256	0.077							
SS00148		JUNCTION	0.19	0.94	1	09:06	0.000643	
0.0032	0.060							
SS00149		JUNCTION	1.31	2.25	3	09:02	0.00449	
0.00769	0.077							
SS00150		JUNCTION	0.00	6.92	2	09:11	0	
0.0237	0.045							
SS00151		JUNCTION	0.19	4.68	1	09:12	0.000643	
0.016	0.038							
SS00152		JUNCTION	0.19	0.94	3	09:02	0.000643	
0.00321	0.039							
SS00153		JUNCTION	0.00	3.55	2	09:13	0	
0.0122	0.032							
SS00154		JUNCTION	0.38	3.56	1	09:08	0.00129	
0.0122	0.098							
SS00155		JUNCTION	0.00	0.00	0	00:00	0	
0	0.000 gal							
SS00156		JUNCTION	0.19	0.19	0	09:00	0.000643	
0.000643	0.044							
SS00157		JUNCTION	0.19	0.38	3	09:01	0.000643	
0.00129	0.115							
SS00158		JUNCTION	0.19	0.56	1	09:05	0.000643	
0.00193	0.093							
SS00159		JUNCTION	1.13	2.62	3	09:01	0.00385	
0.00898	0.140							
SS00160		JUNCTION	1.50	1.50	0	09:00	0.00513	
0.00513	0.071							
SS00161		JUNCTION	0.00	6.92	2	09:13	0	
0.0237	0.039							
SS00162		JUNCTION	0.00	6.92	2	09:14	0	
0.0237	0.122							
SS00163		JUNCTION	1.69	1.69	0	09:00	0.00578	
0.00578	0.102							
SS00164		JUNCTION	1.88	3.56	3	09:01	0.00642	
0.0122	0.058							
SS00165		JUNCTION	1.50	5.05	3	09:03	0.00513	
0.0173	0.391							
SS00166		JUNCTION	1.69	6.73	1	09:07	0.00578	
0.023	0.374							
SS00167		JUNCTION	1.88	8.59	2	09:11	0.00642	
0.0294	0.064							
SS00168		JUNCTION	1.88	10.46	2	09:12	0.00642	
0.0358	0.059							

SS00169		JUNCTION	0.94	11.39	2	09:14	0.00321	
0.0389	0.050							
SS00170		JUNCTION	0.00	17.93	2	09:15	0	
0.0612	0.013							
SS00171		JUNCTION	0.00	6.54	2	09:14	0	
0.0223	0.080							
SS00172		JUNCTION	0.00	6.54	2	09:13	0	
0.0223	0.019							
SS00173		JUNCTION	0.19	18.12	2	09:16	0.000643	
0.0618	0.021							
SS00174		JUNCTION	1.88	6.55	1	09:06	0.00642	
0.0224	0.388							
SS00175		JUNCTION	1.88	4.68	3	09:02	0.00642	
0.016	0.396							
SS00176		JUNCTION	1.88	2.81	0	09:00	0.00642	
0.00963	0.045							
SS00177		JUNCTION	0.38	0.38	0	09:00	0.00129	
0.00129	0.067							
SS00178		JUNCTION	0.56	0.56	0	09:00	0.00192	
0.00192	0.080							
SS00179		JUNCTION	0.00	85.63	1	09:58	0	
0.293	0.016							
SS00180		JUNCTION	0.00	85.63	3	09:59	0	
0.293	0.073							
SS00181		JUNCTION	0.00	67.78	2	09:58	0	
0.232	0.141							
SS00182		JUNCTION	0.00	67.78	2	09:56	0	
0.232	0.057							
SS00183		JUNCTION	0.00	24.10	2	09:17	0	
0.0825	0.024							
SS00184		JUNCTION	0.00	6.91	2	09:20	0	
0.0236	0.097							
SS00185		JUNCTION	1.50	1.50	0	09:00	0.00513	
0.00513	0.122							
SS00186		JUNCTION	2.06	3.56	3	09:01	0.00706	
0.0122	0.097							
SS00187		JUNCTION	0.94	4.49	1	09:06	0.00321	
0.0154	0.092							
SS00188		JUNCTION	0.56	5.05	1	09:10	0.00192	
0.0173	0.035							
SS00189		JUNCTION	1.50	6.54	1	09:09	0.00513	
0.0224	0.047							
SS00190		JUNCTION	1.31	7.85	1	09:10	0.00449	
0.0269	0.045							
SS00191		JUNCTION	0.00	23.55	2	09:13	0	
0.0806	0.045							
SS00192		JUNCTION	0.94	15.70	2	09:12	0.00321	
0.0538	0.037							
SS00193		JUNCTION	0.38	14.77	2	09:11	0.00129	
0.0506	0.029							
SS00194		JUNCTION	0.38	14.40	2	09:10	0.00129	
0.0493	0.026							
SS00195		JUNCTION	1.50	3.37	3	09:02	0.00513	
0.0115	0.087							
SS00196		JUNCTION	1.88	1.88	0	09:00	0.00642	
0.00642	0.078							
SS00197		JUNCTION	0.56	0.56	0	09:00	0.00192	
0.00192	0.080							
SS00198		JUNCTION	1.31	4.68	3	09:05	0.00449	
0.016	0.059							
SS00199		JUNCTION	0.75	5.42	1	09:07	0.00257	
0.0186	0.049							
SS00200		JUNCTION	0.75	10.66	1	09:09	0.00257	

0.0365	0.062						
SS00201		JUNCTION	1.13	4.49	1	09:06	0.00385
0.0154	0.066						
SS00202		JUNCTION	1.31	3.37	3	09:03	0.00449
0.0115	0.080						
SS00204		JUNCTION	0.75	2.81	3	09:02	0.00257
0.00961	0.084						
SS00205		JUNCTION	1.31	1.31	0	09:00	0.00449
0.00449	0.084						
SS00206		JUNCTION	1.88	1.88	0	09:00	0.00642
0.00642	0.093						
SS00207		JUNCTION	1.31	3.18	3	09:02	0.00449
0.0109	0.067						
SS00208		JUNCTION	1.13	4.31	3	09:04	0.00385
0.0147	0.070						
SS00209		JUNCTION	0.56	7.86	1	09:07	0.00192
0.0269	0.044						
SS00210		JUNCTION	0.38	211.25	3	09:07	0.00129
0.101	-0.329						
SS00211		JUNCTION	1.69	163.68	1	09:13	0.00578
0.107	-0.129						
SS00212		JUNCTION	1.50	109.18	1	09:14	0.00513
0.112	-0.023						
SS00213		JUNCTION	0.00	110.35	1	09:17	0
0.215	0.011						
SS00214		JUNCTION	0.75	25.98	2	09:14	0.00257
0.0889	0.025						
SS00215		JUNCTION	0.94	1.69	3	09:01	0.00321
0.00577	0.079						
SS00216		JUNCTION	0.75	0.75	0	09:00	0.00257
0.00257	0.087						
SS00217		JUNCTION	1.88	1.88	0	09:00	0.00642
0.00642	0.107						
SS00218		JUNCTION	1.13	3.00	3	09:02	0.00385
0.0103	0.071						
SS00219		JUNCTION	1.13	3.00	3	09:03	0.00385
0.0103	0.091						
SS00220		JUNCTION	1.88	1.88	0	09:00	0.00642
0.00642	0.128						
SS00221		JUNCTION	0.00	200.10	0	08:05	0
0.0625	0.086						
SS00222		JUNCTION	0.00	118.07	1	09:16	0
0.201	0.007						
SS00223		JUNCTION	1.69	1.69	0	09:00	0.00578
0.00578	0.059						
SS00224		JUNCTION	0.19	1.87	3	09:03	0.000643
0.00641	0.396						
SS00225		JUNCTION	0.94	2.81	1	09:05	0.00321
0.0096	0.087						
SS00226		JUNCTION	0.00	3.93	1	09:09	0
0.0134	0.091						
SS00227		JUNCTION	1.13	1.13	0	09:00	0.00385
0.00385	0.121						
SS00228		JUNCTION	1.13	1.13	0	09:00	0.00385
0.00385	0.073						
SS00229		JUNCTION	2.25	3.37	0	09:00	0.0077
0.0115	0.122						
SS00230		JUNCTION	1.13	4.49	1	09:05	0.00385
0.0154	0.041						
SS00231		JUNCTION	0.75	5.61	1	09:06	0.00257
0.0192	0.102						
SS00232		JUNCTION	0.19	13.64	2	09:13	0.000643
0.0467	0.005						

SS00233	JUNCTION	1.13	7.85	1	09:12	0.00385	0.0269
0.067							
SS00234	JUNCTION	2.81	6.73	1	09:09	0.00963	0.0231
0.098							
SS00235	JUNCTION	1.88	1.88	0	09:00	0.00642	0.00642
0.096							
SS00236	JUNCTION	0.94	2.81	3	09:03	0.00321	0.00962
0.091							
SS00237	JUNCTION	2.06	4.87	3	09:04	0.00706	0.0167
0.100							
SS00238	JUNCTION	0.19	5.05	1	09:09	0.000643	0.0173
0.055							
SS00239	JUNCTION	0.00	5.05	2	09:12	0	0.0173
0.079							
SS00240	JUNCTION	0.00	43.98	0	09:53	0	0.15
0.025							
SS00241	JUNCTION	0.00	43.98	0	09:52	0	0.15
0.047							
SS00242	JUNCTION	0.19	43.98	0	09:51	0.000643	0.15
0.035							
SS00243	JUNCTION	0.56	0.56	0	09:00	0.00192	0.00192
0.066							
SS00244	JUNCTION	0.94	1.87	3	09:01	0.00321	0.00641
0.108							
SS00245	JUNCTION	0.94	2.81	3	09:05	0.00321	0.00962
0.112							
SS00246	JUNCTION	1.13	3.93	1	09:08	0.00385	0.0135
0.112							
SS00247	JUNCTION	0.00	107.50	1	09:19	0	0.244
0.053							
SS00248	JUNCTION	2.25	8.60	1	09:08	0.0077	0.0295
0.074							
SS00249	JUNCTION	2.25	6.36	1	09:05	0.0077	0.0218
0.099							
SS00250	JUNCTION	1.88	4.12	1	09:00	0.00642	0.0141
0.136							
SS00251	JUNCTION	2.25	2.25	0	09:00	0.0077	0.0077
0.043							
SS00252	JUNCTION	1.69	98.68	1	09:22	0.00578	0.25
0.046							
SS00253	JUNCTION	1.69	95.71	1	09:24	0.00578	0.255
0.050							
SS00254	JUNCTION	0.00	95.44	3	09:21	0	0.265
0.026							
SS00255	JUNCTION	1.69	2.99	3	09:01	0.00578	0.0103
0.123							
SS00256	JUNCTION	0.00	104.73	1	09:28	0	0.307
0.028							
SS00257	JUNCTION	1.94	5.76	2	11:03	0.00779	0.0254
0.103							
SS00258	JUNCTION	0.99	3.90	2	11:05	0.0035	0.0176
0.113							
SS00259	JUNCTION	2.05	3.02	0	12:00	0.0096	0.0141
0.068							
SS00260	JUNCTION	0.00	0.96	0	12:00	0	0.00449
0.129							
SS00261	JUNCTION	0.00	0.96	0	11:59	0	0.0045
0.116							
SS00262	JUNCTION	0.96	0.96	0	11:00	0.00451	0.00451
0.120							
SS00263	JUNCTION	1.12	4.47	2	09:14	0.00454	0.0161
0.203							
SS00264	JUNCTION	1.88	3.36	1	09:05	0.00642	

0.0115	0.226							
SS00265		JUNCTION	0.00	1.12	1	09:09	0	
0.00384	0.085							
SS00266		JUNCTION	1.88	1.88	0	09:00	0.00642	
0.00642	0.086							
SS00267		JUNCTION	0.00	1.87	3	09:04	0	
0.00641	0.205							
SS00268		JUNCTION	0.14	2.00	2	09:13	0.000667	
0.00707	0.136							
SS00269		JUNCTION	6.23	8.09	0	11:00	0.0281	
0.0352	0.096							
SS00270		JUNCTION	0.00	111.73	1	09:29	0	
0.342	0.006							
SS00271		JUNCTION	0.00	111.73	1	09:29	0	
0.342	0.028							
SS00272		JUNCTION	1.69	1.69	0	09:00	0.00578	
0.00578	0.078							
SS00273		JUNCTION	2.25	3.93	3	09:01	0.0077	
0.0135	1.547							
SS00274		JUNCTION	0.00	116.47	3	09:26	0	
0.361	0.015							
SS00275		JUNCTION	0.00	116.38	3	09:27	0	
0.361	0.033							
SS00276		JUNCTION	0.00	112.81	1	09:31	0	
0.348	0.021							
SS00277		JUNCTION	0.00	112.86	1	09:30	0	
0.348	0.011							
SS00278		JUNCTION	0.75	1.77	1	09:05	0.00257	
0.00626	0.144							
SS00279		JUNCTION	0.94	1.03	3	09:00	0.00321	
0.00371	0.316							
SS00280		JUNCTION	0.03	0.11	1	12:00	0.000145	
0.000515	3.108							
SS00281		JUNCTION	0.08	0.08	0	11:00	0.000371	
0.000371	0.350							
SS00282		JUNCTION	0.00	0.00	0	00:00	0	
0	0.000 gal							
SS00283		JUNCTION	0.38	0.38	0	09:00	0.00129	
0.00129	0.119							
SS00284		JUNCTION	0.00	7.11	1	09:09	0	
0.0244	0.033							
SS00285		JUNCTION	0.00	187.13	1	10:46	0	
0.643	0.015							
SS00286		JUNCTION	0.00	33.42	3	09:20	0	
0.114	0.051							
SS00287		JUNCTION	0.00	33.42	3	09:23	0	
0.114	0.089							
SS00288		JUNCTION	0.00	33.42	3	09:26	0	
0.114	0.079							
SS00289		JUNCTION	0.00	33.41	3	09:29	0	
0.114	0.023							
SS00290		JUNCTION	0.00	33.41	3	09:30	0	
0.114	0.048							
SS00291		JUNCTION	0.00	33.41	1	09:32	0	
0.114	0.042							
SS00292		JUNCTION	0.00	43.98	3	09:54	0	
0.15	0.046							
SS00293		JUNCTION	0.00	43.98	3	09:56	0	
0.15	0.045							
SS00294		JUNCTION	0.00	43.98	3	09:57	0	
0.149	0.078							
SS00295		JUNCTION	0.00	43.97	1	10:01	0	
0.149	0.069							

SS00296	JUNCTION	0.00	85.63	1	10:01	0	
0.293	0.017						
SS00297	JUNCTION	0.00	85.63	1	10:02	0	
0.293	0.026						
SS00298	JUNCTION	0.00	85.63	1	10:03	0	
0.293	0.057						
SS00299	JUNCTION	0.00	85.63	1	10:05	0	
0.293	0.029						
SS00300	JUNCTION	0.00	85.63	2	10:06	0	
0.292	0.093						
SS00301	JUNCTION	0.00	85.62	2	10:09	0	
0.292	0.098						
SS00302	JUNCTION	0.00	85.61	2	10:12	0	
0.292	0.088						
SS00303	JUNCTION	0.00	115.76	3	09:28	0	
0.361	0.023						
SS00304	JUNCTION	0.00	115.41	3	09:30	0	
0.361	0.022						
SS00305	JUNCTION	0.00	115.19	3	09:30	0	
0.361	0.044						
SS00306	JUNCTION	0.00	114.28	3	09:32	0	
0.361	0.049						
SS00307	JUNCTION	0.00	113.29	3	09:34	0	
0.36	0.050						
SS00308	JUNCTION	0.00	112.42	1	09:41	0	
0.36	0.028						
SS00309	JUNCTION	0.00	112.21	1	09:41	0	
0.36	0.024						
SS00310	JUNCTION	0.00	112.06	1	09:42	0	
0.36	0.036						
SS00311	JUNCTION	0.00	196.94	0	10:00	0	
0.652	0.042						
SS00312	JUNCTION	0.00	196.60	0	10:02	0	
0.651	0.231						
SS00313	JUNCTION	0.00	196.67	0	10:03	0	
0.65	-0.042						
SS00314	JUNCTION	0.00	195.56	0	10:06	0	
0.65	0.106						
SS00315	JUNCTION	0.00	193.51	0	10:10	0	
0.649	0.243						
SSC00001	JUNCTION	1.31	1.31	0	09:00	0.00449	
0.00449	0.145						
SSC00002	JUNCTION	1.13	1.13	0	09:00	0.00385	
0.00385	0.201						
SSC00003	JUNCTION	0.38	0.38	0	09:00	0.00129	
0.00129	0.446						
SSC00004	JUNCTION	0.00	0.00	0	00:00	0	
0	0.000 gal						
SSC00005	JUNCTION	0.38	0.38	0	09:00	0.00129	
0.00129	0.274						
SSC00006	JUNCTION	0.38	0.38	0	09:00	0.00129	
0.00129	0.152						
SSC00007	JUNCTION	0.00	0.00	0	00:00	0	
0	0.000 gal						
SS00203E	JUNCTION	2.06	2.06	0	09:00	0.00706	
0.00706	0.132						
SS00203N	JUNCTION	0.75	0.75	0	09:00	0.00257	
0.00257	0.143						
LS00001dh	JUNCTION	0.00	200.00	0	06:10	0	
0.063	0.825						
SS00316	JUNCTION	0.38	1.87	2	09:11	0.00129	
0.0064	0.160						
SS00317	JUNCTION	0.00	115.48	3	09:29	0	

```
0.361       0.014
  WWTF00001              OUTFALL       0.00   187.13     1  10:46           0
0.643       0.000
  LS00001                STORAGE       0.00    18.69     2  09:14           0
0.064       0.389
```

****
Node Surcharge Summary
****

Surcharging occurs when water rises above the top of the highest conduit.

Node	Type	Hours Surcharged	Max. Height Above Crown Feet	Min. Depth Below Rim Feet
LS00001dh	JUNCTION	88.98	106.812	0.000

****
Node Flooding Summary
****

No nodes were flooded.

****
Storage Volume Summary
****

Storage Unit	Average Volume 1000 ft3	Avg Pcnt Full	Evap Pcnt Loss	Exfil Pcnt Loss	Maximum Volume 1000 ft3	Max Pcnt Full	Time of Max Occurrence days hr:min	Maximum Outflow GPM
LS00001	0.087	16	0	0	0.112	21	3 08:38	200.00

****
Outfall Loading Summary
****

Outfall Node	Flow Freq Pcnt	Avg Flow GPM	Max Flow GPM	Total Volume 10^6 gal
WWTF00001	97.19	114.84	187.13	0.643
System	97.19	114.84	187.13	0.643

****
Link Flow Summary

Link	Type	Maximum |Flow| GPM	Time of Max Occurrence days	hr:min	Maximum |Veloc| ft/sec	Max/ Full Flow	Max/ Full Depth
SS00001-SS00002	CONDUIT	0.19	1	09:05	0.11	0.00	0.02
SS00002-SS00003	CONDUIT	0.37	2	09:14	0.00	0.00	0.01
SS00003-SS00004	CONDUIT	0.75	1	09:10	0.92	0.00	0.01
SS00004-SS00005	CONDUIT	1.87	3	09:04	1.34	0.00	0.02
SS00005-SS00006	CONDUIT	4.30	1	09:07	1.13	0.00	0.03
SS00006-SS00007	CONDUIT	5.05	1	09:08	0.86	0.00	0.05
SS00007-SS00008	CONDUIT	5.61	1	09:09	1.05	0.00	0.04
SS00008-SS00009	CONDUIT	5.61	2	09:11	1.50	0.00	0.03
SS00009-SS00012	CONDUIT	9.72	1	09:09	1.77	0.00	0.04
SS00010-SS00009	CONDUIT	3.18	3	09:04	1.08	0.00	0.03
SS00011-SS00010	CONDUIT	1.69	3	09:03	1.04	0.00	0.02
SS00012-SS00013	CONDUIT	10.10	1	09:10	2.60	0.00	0.03
SS00013-SS00014	CONDUIT	10.29	2	09:12	1.20	0.01	0.06
SS00014-SS00015	CONDUIT	11.03	2	09:12	2.00	0.00	0.04
SS00015-SS00016	CONDUIT	11.22	2	09:14	1.13	0.01	0.07
SS00016-SS00017	CONDUIT	12.15	2	09:15	1.18	0.01	0.07
SS00017-SS00032	CONDUIT	13.64	2	09:16	1.29	0.01	0.07
SS00018-SS00017	CONDUIT	1.12	3	09:04	0.75	0.00	0.03
SS00019-SS00020	CONDUIT	0.94	3	09:02	0.76	0.00	0.03
SS00020-SS00021	CONDUIT	1.31	3	09:04	1.33	0.00	0.02
SS00021-SS00022	CONDUIT	1.31	1	09:08	1.14	0.00	0.03
SS00022-SS00023	CONDUIT	2.06	1	09:09	0.74	0.00	0.05
SS00023-SS00024	CONDUIT	3.18	1	09:10	0.88	0.01	0.06
SS00024-SS00025	CONDUIT	5.05	1	09:11	0.93	0.01	0.06
SS00025-SS00026	CONDUIT	5.05	2	09:15	1.21	0.00	0.05
SS00026-SS00027	CONDUIT	7.47	2	09:14	1.09	0.01	0.07
SS00027-SS00028	CONDUIT	8.40	2	09:15	1.16	0.01	0.07
SS00028-SS00029	CONDUIT	9.15	2	09:15	2.27	0.00	0.05
SS00029-SS00286	CONDUIT	33.42	3	09:20	1.16	0.05	0.14
SS00030-SS00029	CONDUIT	15.69	2	09:19	1.27	0.01	0.08
SS00031-SS00030	CONDUIT	14.76	2	09:18	1.26	0.01	0.07
SS00032-SS00031	CONDUIT	14.20	2	09:17	1.18	0.01	0.07
SS00033-SS00034	CONDUIT	0.75	3	09:04	0.64	0.00	0.02
SS00034-SS00035	CONDUIT	1.68	1	09:06	0.80	0.00	0.03
SS00035-SS00036	CONDUIT	3.74	1	09:10	0.87	0.00	0.05
SS00036-SS00037	CONDUIT	5.61	2	09:13	0.99	0.01	0.06
SS00037-SS00038	CONDUIT	6.35	2	09:13	1.11	0.01	0.06
SS00038-SS00039	CONDUIT	7.10	2	09:14	1.06	0.01	0.06
SS00039-SS00040	CONDUIT	7.66	2	09:14	1.10	0.01	0.07
SS00040-SS00041	CONDUIT	8.22	2	09:15	1.06	0.01	0.07
SS00041-SS00029	CONDUIT	8.59	2	09:16	2.21	0.00	0.04
SS00042-SS00043	CONDUIT	0.56	3	09:03	0.89	0.00	0.02
SS00043-SS00044	CONDUIT	1.12	1	09:07	0.72	0.00	0.03
SS00044-SS00045	CONDUIT	1.50	1	09:10	1.07	0.00	0.03
SS00045-SS00316	CONDUIT	1.50	2	09:13	0.71	0.00	0.04
SS00046-SS00049	CONDUIT	2.05	3	09:22	1.07	0.00	0.04
SS00047-SS00048	CONDUIT	33.78	1	09:36	1.76	0.04	0.13
SS00048-SS00049	CONDUIT	33.96	2	09:38	1.73	0.04	0.13
SS00049-SS00050	CONDUIT	36.01	2	09:39	1.76	0.04	0.14
SS00050-SS00051	CONDUIT	36.38	2	09:40	1.89	0.04	0.13
SS00051-SS00052	CONDUIT	36.56	2	09:42	1.89	0.04	0.13
SS00052-SS00060	CONDUIT	36.74	2	09:43	2.37	0.03	0.11
SS00053-SS00242	CONDUIT	43.80	0	09:51	1.15	0.04	0.12
SS00054-SS00053	CONDUIT	38.40	0	09:50	3.55	0.01	0.07
SS00055-SS00054	CONDUIT	38.40	0	09:49	4.07	0.01	0.06
SS00056-SS00055	CONDUIT	38.03	0	09:49	3.61	0.01	0.07

SS00057-SS00056	CONDUIT	37.85	0	09:48	2.17	0.02	0.10
SS00058-SS00057	CONDUIT	37.48	2	09:46	1.98	0.02	0.10
SS00059-SS00058	CONDUIT	37.48	2	09:45	2.99	0.01	0.08
SS00060-SS00059	CONDUIT	37.11	2	09:44	3.18	0.01	0.07
SS00061-SS00062	CONDUIT	0.19	1	09:07	0.00	0.00	0.01
SS00062-SS00063	CONDUIT	0.56	1	09:09	0.00	0.00	0.01
SS00063-SS00064	CONDUIT	0.75	2	09:12	1.20	0.00	0.01
SS00064-SS00065	CONDUIT	1.12	2	09:14	0.95	0.00	0.02
SS00065-SS00112	CONDUIT	1.12	2	09:16	0.78	0.00	0.03
SS00066-SS00067	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
SS00067-SS00068	CONDUIT	0.37	1	09:08	0.72	0.00	0.02
SS00068-SS00069	CONDUIT	0.75	1	09:09	0.79	0.00	0.02
SS00069-SS00076	CONDUIT	0.75	2	09:11	0.86	0.00	0.02
SS00070-SS00073	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
SS00071-SS00072	CONDUIT	0.37	1	09:06	0.71	0.00	0.02
SS00072-SS00073	CONDUIT	0.37	2	09:14	0.74	0.00	0.02
SS00073-SS00074	CONDUIT	0.37	2	09:18	0.00	0.00	0.01
SS00074-SS00075	CONDUIT	0.75	1	09:14	0.80	0.00	0.02
SS00075-SS00076	CONDUIT	0.94	1	09:13	0.97	0.00	0.02
SS00076-SS00077	CONDUIT	1.68	2	09:14	1.11	0.00	0.03
SS00077-SS00078	CONDUIT	1.68	2	09:19	1.12	0.00	0.03
SS00078-SS00079	CONDUIT	1.68	3	09:21	1.09	0.00	0.03
SS00079-SS00081	CONDUIT	2.24	3	09:21	1.22	0.00	0.04
SS00080-SS00079	CONDUIT	0.56	1	09:06	0.79	0.00	0.02
SS00081-SS00082	CONDUIT	2.43	3	09:22	1.09	0.00	0.04
SS00082-SS00083	CONDUIT	2.43	3	09:25	0.85	0.00	0.05
SS00083-SS00086	CONDUIT	2.80	0	09:26	0.91	0.01	0.05
SS00084-SS00085	CONDUIT	0.37	1	09:07	0.72	0.00	0.02
SS00085-SS00087	CONDUIT	3.17	3	09:30	0.90	0.01	0.06
SS00086-SS00085	CONDUIT	2.80	3	09:28	0.93	0.00	0.05
SS00087-SS00088	CONDUIT	3.17	1	09:34	0.91	0.01	0.06
SS00088-SS00099	CONDUIT	3.17	1	09:36	0.91	0.01	0.06
SS00089-SS00090	CONDUIT	0.19	3	09:04	0.00	0.00	0.01
SS00090-SS00091	CONDUIT	0.38	1	09:05	0.00	0.00	0.01
SS00091-SS00092	CONDUIT	0.56	1	09:06	1.08	0.00	0.02
SS00092-SS00093	CONDUIT	0.94	1	09:09	0.85	0.00	0.03
SS00093-SS00094	CONDUIT	1.12	2	09:12	0.82	0.00	0.03
SS00094-SS00095	CONDUIT	1.12	2	09:15	0.82	0.00	0.03
SS00095-SS00097	CONDUIT	1.87	2	09:15	1.09	0.00	0.03
SS00096-SS00095	CONDUIT	0.56	1	09:06	0.89	0.00	0.02
SS00097-SS00098	CONDUIT	2.06	2	09:17	1.19	0.00	0.04
SS00098-SS00099	CONDUIT	2.06	2	09:19	1.64	0.00	0.03
SS00099-SS00100	CONDUIT	5.22	1	09:31	1.64	0.00	0.04
SS00100-SS00101	CONDUIT	5.41	1	09:32	1.70	0.00	0.04
SS00101-SS00053	CONDUIT	5.41	1	09:36	0.97	0.01	0.08
SS00102-SS00285	CONDUIT	187.13	1	10:46	1.48	0.08	0.17
SS00103-SS00102	CONDUIT	188.16	0	10:31	1.80	0.06	0.15
SS00104-SS00103	CONDUIT	188.78	0	10:28	1.96	0.05	0.14
SS00105-SS00104	CONDUIT	188.91	0	10:26	1.66	0.07	0.16
SS00106-SS00105	CONDUIT	188.92	0	10:26	2.08	0.05	0.14
SS00107-SS00106	CONDUIT	188.94	0	10:25	1.81	0.06	0.15
SS00108-SS00107	CONDUIT	189.32	0	10:22	1.31	0.08	0.19
SS00109-SS00108	CONDUIT	189.42	0	10:21	1.54	0.09	0.17
SS00110-SS00109	CONDUIT	189.67	0	10:19	1.81	0.05	0.15
SS00111-SS00110	CONDUIT	190.22	0	10:18	1.31	0.03	0.12
SS00112-SS00113	CONDUIT	1.12	2	09:17	1.30	0.00	0.02
SS00113-SS00114	CONDUIT	2.43	1	09:09	1.13	0.00	0.04
SS00114-SS00115	CONDUIT	3.36	1	09:09	1.45	0.00	0.04
SS00115-SS00116	CONDUIT	3.92	1	09:10	1.53	0.00	0.05
SS00116-SS00117	CONDUIT	4.67	1	09:10	1.58	0.00	0.05
SS00117-SS00118	CONDUIT	5.04	2	09:11	1.54	0.01	0.05
SS00118-SS00119	CONDUIT	5.23	2	09:12	1.91	0.00	0.05
SS00119-SS00120	CONDUIT	5.23	2	09:12	1.74	0.00	0.05

SS00120-SS00121	CONDUIT	8.79	2	09:10	2.65	0.01	0.05
SS00121-SS00122	CONDUIT	8.98	2	09:11	2.64	0.01	0.06
SS00122-SS00123	CONDUIT	9.72	2	09:15	1.21	0.02	0.10
SS00123-SS00183	CONDUIT	17.20	2	09:14	2.96	0.01	0.06
SS00124-SS00123	CONDUIT	7.11	2	09:11	1.22	0.01	0.08
SS00125-SS00284	CONDUIT	6.36	1	09:10	2.42	0.00	0.05
SS00126-SS00125	CONDUIT	5.24	1	09:10	2.08	0.00	0.04
SS00127-SS00126	CONDUIT	1.69	1	09:09	1.10	0.00	0.03
SS00128-SS00127	CONDUIT	1.69	1	09:08	1.08	0.00	0.03
SS00129-SS00128	CONDUIT	1.50	1	09:07	0.98	0.00	0.03
SS00130-SS00129	CONDUIT	1.12	1	09:05	0.81	0.00	0.03
SS00131-SS00130	CONDUIT	0.94	3	09:05	0.82	0.00	0.03
SS00132-SS00131	CONDUIT	0.75	3	09:04	0.77	0.00	0.02
SS00133-SS00126	CONDUIT	2.62	2	09:11	1.10	0.00	0.04
SS00134-SS00133	CONDUIT	2.25	1	09:10	1.04	0.00	0.04
SS00135-SS00134	CONDUIT	1.87	1	09:09	0.94	0.00	0.04
SS00136-SS00135	CONDUIT	1.50	1	09:06	0.91	0.00	0.03
SS00137-SS00284	CONDUIT	0.75	3	09:03	1.00	0.00	0.02
SS00138-SS00139	CONDUIT	0.38	3	09:03	0.00	0.00	0.01
SS00139-SS00140	CONDUIT	0.75	3	09:03	0.99	0.00	0.02
SS00140-SS00141	CONDUIT	1.50	3	09:04	1.06	0.00	0.03
SS00141-SS00142	CONDUIT	1.87	3	09:04	1.21	0.00	0.03
SS00142-SS00143	CONDUIT	2.62	1	09:06	1.32	0.00	0.04
SS00143-SS00144	CONDUIT	3.18	1	09:06	1.33	0.00	0.04
SS00144-SS00120	CONDUIT	3.37	1	09:07	1.32	0.00	0.05
SS00145-SS00152	CONDUIT	0.75	3	09:02	1.05	0.00	0.02
SS00146-SS00147	CONDUIT	0.75	3	09:04	0.72	0.00	0.02
SS00147-SS00148	CONDUIT	0.75	1	09:07	0.66	0.00	0.03
SS00148-SS00149	CONDUIT	0.94	1	09:07	0.85	0.00	0.03
SS00149-SS00150	CONDUIT	2.24	1	09:07	1.22	0.00	0.04
SS00150-SS00161	CONDUIT	6.92	2	09:13	1.09	0.01	0.06
SS00151-SS00150	CONDUIT	4.68	2	09:13	0.92	0.01	0.07
SS00152-SS00151	CONDUIT	0.94	3	09:04	1.20	0.00	0.02
SS00153-SS00151	CONDUIT	3.55	2	09:14	1.03	0.01	0.06
SS00154-SS00153	CONDUIT	3.55	2	09:13	0.90	0.01	0.06
SS00155-SS00154	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
SS00156-SS00157	CONDUIT	0.19	3	09:03	0.00	0.00	0.01
SS00157-SS00158	CONDUIT	0.37	1	09:08	0.00	0.00	0.01
SS00158-SS00154	CONDUIT	0.56	2	09:10	1.07	0.00	0.02
SS00159-SS00154	CONDUIT	2.62	1	09:08	0.85	0.01	0.05
SS00160-SS00159	CONDUIT	1.50	3	09:03	0.55	0.00	0.05
SS00161-SS00162	CONDUIT	6.92	2	09:14	0.79	0.02	0.08
SS00162-SS00184	CONDUIT	6.91	2	09:20	1.02	0.01	0.06
SS00163-SS00164	CONDUIT	1.68	3	09:05	1.03	0.00	0.03
SS00164-SS00165	CONDUIT	3.56	1	09:05	0.58	0.00	0.11
SS00165-SS00166	CONDUIT	5.05	1	09:10	0.40	0.01	0.13
SS00166-SS00167	CONDUIT	6.73	2	09:13	1.73	0.01	0.06
SS00167-SS00168	CONDUIT	8.59	2	09:14	1.80	0.01	0.07
SS00168-SS00169	CONDUIT	10.46	2	09:15	1.92	0.01	0.08
SS00169-SS00170	CONDUIT	11.39	2	09:16	2.06	0.01	0.08
SS00170-SS00173	CONDUIT	17.93	2	09:16	2.56	0.02	0.09
SS00171-SS00170	CONDUIT	6.54	2	09:15	1.39	0.01	0.07
SS00172-SS00171	CONDUIT	6.54	2	09:14	0.66	0.01	0.12
SS00173-SS00179	CONDUIT	18.12	2	09:17	3.01	0.01	0.08
SS00174-SS00172	CONDUIT	6.54	2	09:13	1.26	0.01	0.07
SS00175-SS00174	CONDUIT	4.68	1	09:08	0.38	0.01	0.13
SS00176-SS00175	CONDUIT	2.81	3	09:03	0.69	0.00	0.11
SS00177-SS00176	CONDUIT	0.38	3	09:02	0.00	0.00	0.01
SS00178-SS00176	CONDUIT	0.56	3	09:03	1.00	0.00	0.02
SS00179-SS00180	CONDUIT	85.63	3	09:59	2.66	0.01	0.06
SS00180-SS00296	CONDUIT	85.63	1	10:01	2.10	0.03	0.13
SS00181-SS00179	CONDUIT	67.76	1	10:04	1.01	0.02	0.09
SS00182-SS00181	CONDUIT	67.78	2	09:58	1.16	0.01	0.09

SS00183-SS00182	CONDUIT	24.10	2	09:18	1.74	0.02	0.11
SS00184-SS00183	CONDUIT	6.91	3	09:24	1.07	0.01	0.06
SS00185-SS00186	CONDUIT	1.50	3	09:04	0.75	0.00	0.04
SS00186-SS00187	CONDUIT	3.56	1	09:07	1.04	0.01	0.06
SS00187-SS00188	CONDUIT	4.49	2	09:11	1.17	0.01	0.06
SS00188-SS00189	CONDUIT	5.05	2	09:12	1.49	0.01	0.05
SS00189-SS00190	CONDUIT	6.54	2	09:12	1.75	0.01	0.06
SS00190-SS00191	CONDUIT	7.85	1	09:12	1.77	0.01	0.07
SS00191-SS00214	CONDUIT	23.55	2	09:15	1.92	0.04	0.13
SS00192-SS00191	CONDUIT	15.70	2	09:14	1.56	0.03	0.12
SS00193-SS00192	CONDUIT	14.77	2	09:12	1.71	0.02	0.10
SS00194-SS00193	CONDUIT	14.40	2	09:11	1.72	0.02	0.10
SS00195-SS00194	CONDUIT	3.37	1	09:07	0.99	0.01	0.06
SS00196-SS00195	CONDUIT	1.87	3	09:04	1.17	0.00	0.03
SS00197-SS00198	CONDUIT	0.56	3	09:03	0.97	0.00	0.02
SS00198-SS00199	CONDUIT	4.67	1	09:08	1.27	0.01	0.06
SS00199-SS00200	CONDUIT	5.42	1	09:09	1.21	0.01	0.07
SS00200-SS00194	CONDUIT	10.66	2	09:12	1.29	0.02	0.10
SS00201-SS00200	CONDUIT	4.49	1	09:10	1.21	0.01	0.06
SS00202-SS00201	CONDUIT	3.37	1	09:08	0.99	0.01	0.05
SS00203E-SS00202	CONDUIT	2.06	1	09:06	0.89	0.00	0.04
SS00203N-SS00204	CONDUIT	0.75	1	09:05	0.77	0.00	0.02
SS00204-SS00198	CONDUIT	2.81	1	09:07	0.96	0.00	0.05
SS00205-SS00204	CONDUIT	1.31	3	09:02	0.77	0.00	0.03
SS00206-SS00207	CONDUIT	1.87	3	09:04	0.97	0.00	0.04
SS00207-SS00208	CONDUIT	3.18	1	09:06	1.12	0.00	0.05
SS00208-SS00209	CONDUIT	4.30	1	09:08	1.12	0.01	0.06
SS00209-SS00210	CONDUIT	7.86	1	09:09	1.87	0.01	0.06
SS00210-SS00211	CONDUIT	162.00	1	09:13	2.78	0.34	0.40
SS00211-SS00212	CONDUIT	107.68	1	09:14	2.42	0.12	0.24
SS00212-SS00222	CONDUIT	92.09	1	09:16	3.40	0.06	0.17
SS00213-SS00247	CONDUIT	98.91	1	09:19	1.95	0.10	0.20
SS00214-SS00222	CONDUIT	25.98	2	09:16	3.18	0.01	0.06
SS00215-SS00214	CONDUIT	1.68	1	09:07	1.24	0.00	0.02
SS00216-SS00215	CONDUIT	0.75	1	09:05	0.96	0.00	0.01
SS00217-SS00218	CONDUIT	1.87	3	09:04	0.86	0.00	0.04
SS00218-SS00209	CONDUIT	3.00	1	09:06	1.06	0.00	0.05
SS00219-SS00210	CONDUIT	2.99	1	09:08	0.90	0.01	0.05
SS00220-SS00219	CONDUIT	1.87	1	09:06	0.76	0.00	0.04
SS00221-SS00210	CONDUIT	200.02	0	09:29	4.06	0.27	0.36
SS00222-SS00213	CONDUIT	106.42	1	09:17	1.87	0.12	0.22
SS00223-SS00224	CONDUIT	1.69	3	09:03	0.82	0.00	0.07
SS00224-SS00225	CONDUIT	1.87	1	09:07	0.83	0.00	0.04
SS00225-SS00226	CONDUIT	2.81	1	09:10	0.91	0.01	0.05
SS00226-SS00234	CONDUIT	3.93	2	09:13	0.98	0.01	0.06
SS00227-SS00226	CONDUIT	1.12	1	09:06	0.93	0.00	0.03
SS00228-SS00229	CONDUIT	1.12	3	09:02	0.81	0.00	0.03
SS00229-SS00230	CONDUIT	3.37	1	09:07	0.93	0.01	0.06
SS00230-SS00231	CONDUIT	4.49	1	09:07	1.20	0.01	0.06
SS00231-SS00232	CONDUIT	5.61	2	09:11	1.38	0.01	0.06
SS00232-LS00001	CONDUIT	13.64	2	09:13	1.48	0.00	0.52
SS00233-SS00232	CONDUIT	7.85	2	09:15	1.33	0.01	0.08
SS00234-SS00233	CONDUIT	6.73	2	09:14	1.16	0.01	0.08
SS00235-SS00236	CONDUIT	1.87	3	09:04	0.92	0.00	0.04
SS00236-SS00237	CONDUIT	2.81	1	09:08	0.94	0.00	0.05
SS00237-SS00238	CONDUIT	4.86	1	09:10	1.09	0.01	0.07
SS00238-SS00239	CONDUIT	5.05	2	09:12	1.39	0.01	0.06
SS00239-LS00001	CONDUIT	5.05	2	09:16	1.22	0.01	0.06
SS00240-SS00292	CONDUIT	43.98	3	09:54	3.05	0.00	0.05
SS00241-SS00240	CONDUIT	43.98	0	09:53	3.26	0.00	0.04
SS00242-SS00241	CONDUIT	43.98	0	09:52	1.35	0.02	0.11
SS00243-SS00244	CONDUIT	0.56	3	09:03	0.00	0.00	0.01
SS00244-SS00245	CONDUIT	1.87	1	09:07	0.83	0.00	0.04

SS00245-SS00246	CONDUIT	2.80	2	09:11	1.00	0.00	0.05
SS00246-SS00213	CONDUIT	3.93	2	09:13	1.17	0.01	0.10
SS00247-SS00252	CONDUIT	97.00	1	09:22	1.85	0.10	0.21
SS00248-SS00247	CONDUIT	8.59	2	09:12	1.55	0.01	0.08
SS00249-SS00248	CONDUIT	6.35	2	09:11	1.11	0.01	0.08
SS00250-SS00249	CONDUIT	4.11	1	09:08	0.94	0.01	0.07
SS00251-SS00250	CONDUIT	2.25	1	09:01	1.22	0.00	0.04
SS00252-SS00253	CONDUIT	94.04	1	09:24	2.11	0.07	0.18
SS00253-SS00254	CONDUIT	92.46	1	09:27	1.97	0.08	0.19
SS00254-SS00256	CONDUIT	94.73	3	09:23	4.36	0.03	0.11
SS00255-SS00254	CONDUIT	2.99	1	09:09	0.92	0.01	0.05
SS00256-SS00270	CONDUIT	104.07	1	09:29	4.26	0.03	0.12
SS00257-SS00256	CONDUIT	5.75	2	11:10	1.26	0.01	0.07
SS00258-SS00257	CONDUIT	3.90	2	11:11	1.05	0.01	0.06
SS00259-SS00258	CONDUIT	3.02	1	12:00	0.99	0.01	0.05
SS00260-SS00259	CONDUIT	0.96	0	12:00	0.87	0.00	0.03
SS00261-SS00260	CONDUIT	0.96	0	12:00	0.93	0.00	0.02
SS00262-SS00261	CONDUIT	0.96	0	11:59	0.85	0.00	0.03
SS00263-SS00256	CONDUIT	4.46	3	09:23	0.71	0.02	0.08
SS00264-SS00263	CONDUIT	3.36	2	09:17	0.66	0.01	0.07
SS00265-SS00264	CONDUIT	1.12	2	09:12	0.92	0.00	0.04
SS00266-SS00267	CONDUIT	1.87	3	09:04	0.63	0.01	0.09
SS00267-SS00268	CONDUIT	1.87	2	09:11	0.60	0.01	0.08
SS00268-SS00269	CONDUIT	1.99	3	09:20	0.74	0.00	0.05
SS00269-SS00270	CONDUIT	8.04	3	11:11	1.21	0.02	0.09
SS00270-SS00271	CONDUIT	111.73	1	09:29	3.37	0.05	0.15
SS00271-SS00277	CONDUIT	111.09	1	09:30	3.76	0.04	0.14
SS00272-SS00273	CONDUIT	1.69	3	09:04	0.32	0.00	0.28
SS00273-SS00274	CONDUIT	3.92	2	09:13	0.84	0.01	0.07
SS00274-SS00275	CONDUIT	116.38	3	09:27	3.31	0.05	0.16
SS00275-SS00303	CONDUIT	115.76	3	09:28	3.57	0.05	0.15
SS00276-SS00274	CONDUIT	112.56	1	09:32	4.12	0.04	0.13
SS00277-SS00276	CONDUIT	112.81	1	09:31	4.21	0.04	0.13
SS00278-SS00277	CONDUIT	1.77	1	09:13	0.84	0.00	0.04
SS00279-SS00278	CONDUIT	1.03	1	09:10	0.78	0.00	0.03
SS00280-SS00279	CONDUIT	0.11	0	12:22	0.07	0.00	0.04
SS00281-SS00280	CONDUIT	0.08	2	12:06	0.11	0.00	0.04
SS00282-SS00001	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
SS00283-SS00123	CONDUIT	0.38	3	09:05	0.71	0.00	0.02
SS00284-SS00124	CONDUIT	7.11	2	09:10	2.46	0.00	0.05
SS00285-WWTF00001	CONDUIT	187.13	1	10:46	1.87	0.06	0.15
SS00286-SS00287	CONDUIT	33.42	3	09:23	1.64	0.08	0.19
SS00287-SS00288	CONDUIT	33.42	3	09:26	1.47	0.10	0.20
SS00288-SS00289	CONDUIT	33.41	3	09:29	1.60	0.08	0.19
SS00289-SS00290	CONDUIT	33.41	3	09:30	1.73	0.07	0.18
SS00290-SS00291	CONDUIT	33.41	1	09:32	2.65	0.04	0.13
SS00291-SS00047	CONDUIT	33.41	1	09:34	1.90	0.06	0.17
SS00292-SS00293	CONDUIT	43.98	3	09:56	2.36	0.01	0.06
SS00293-SS00294	CONDUIT	43.98	3	09:57	2.78	0.00	0.05
SS00294-SS00295	CONDUIT	43.97	1	10:01	1.53	0.01	0.08
SS00295-SS00182	CONDUIT	43.97	1	10:03	1.81	0.01	0.07
SS00296-SS00297	CONDUIT	85.63	1	10:02	3.27	0.02	0.09
SS00297-SS00298	CONDUIT	85.63	1	10:03	2.99	0.02	0.10
SS00298-SS00299	CONDUIT	85.63	1	10:05	2.42	0.03	0.12
SS00299-SS00300	CONDUIT	85.63	2	10:06	1.95	0.03	0.13
SS00300-SS00301	CONDUIT	85.62	2	10:09	1.66	0.05	0.15
SS00301-SS00302	CONDUIT	85.61	2	10:12	1.54	0.06	0.16
SS00302-SS00311	CONDUIT	85.61	0	10:14	1.22	0.11	0.19
SS00303-SS00317	CONDUIT	115.48	3	09:29	4.04	0.04	0.14
SS00304-SS00305	CONDUIT	115.19	3	09:30	4.23	0.02	0.10
SS00305-SS00306	CONDUIT	114.28	3	09:32	3.09	0.03	0.12
SS00306-SS00307	CONDUIT	113.29	3	09:34	3.06	0.03	0.12
SS00307-SS00308	CONDUIT	112.42	1	09:41	3.10	0.03	0.12

SS00308-SS00309	CONDUIT	112.21	1	09:41	2.99	0.03	0.12
SS00309-SS00310	CONDUIT	112.06	1	09:42	3.01	0.03	0.12
SS00310-SS00311	CONDUIT	111.66	1	09:43	4.03	0.02	0.10
SS00311-SS00312	CONDUIT	196.60	0	10:02	2.07	0.05	0.14
SS00312-SS00313	CONDUIT	196.67	0	10:03	1.66	0.07	0.17
SS00313-SS00314	CONDUIT	195.56	0	10:06	1.64	0.07	0.17
SS00314-SS00315	CONDUIT	193.51	0	10:10	2.04	0.05	0.14
SS00315-SS00111	CONDUIT	191.46	0	10:14	1.68	0.02	0.10
SSC00001-SS00255	CONDUIT	1.31	1	09:06	0.64	0.01	0.06
SSC00002-SS00265	CONDUIT	1.12	1	09:09	0.60	0.01	0.05
SSC00003-SS00264	CONDUIT	0.37	1	09:25	0.47	0.00	0.02
SSC00004-SS00225	CONDUIT	0.00	0	00:00	0.00	0.00	0.02
SSC00005-SS00244	CONDUIT	0.37	1	09:09	0.51	0.00	0.02
SSC00006-SS00231	CONDUIT	0.38	3	09:04	0.53	0.00	0.02
SSC00007-SS00015	CONDUIT	0.00	0	00:00	0.00	0.00	0.01
SS00203N-SSS00203E	CONDUIT	0.00	0	00:00	0.00	0.00	0.01
FM00001	CONDUIT	200.10	0	08:05	5.49	0.92	0.88
SS00316-SS00046	CONDUIT	1.87	2	09:18	0.82	0.00	0.04
SS00317-SS00304	CONDUIT	115.41	3	09:30	4.11	0.04	0.13
NORTHCREEK_PUMP1	PUMP	200.00	0	06:10		1.00	
NORTHCREEK_PUMP2	PUMP	0.00	0	00:00		0.00	

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Flow Classification Summary
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Inlet Conduit	Adjusted /Actual Length	Fraction of Time in Flow Class: Dry	Up Dry	Down Dry	Sub Crit	Sup Crit	Up Crit	Down Crit	Norm Ltd	Ctrl
SS00001-SS00002	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00	0.00
SS00002-SS00003	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
SS00003-SS00004	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
SS00004-SS00005	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
SS00005-SS00006	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
SS00006-SS00007	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
SS00007-SS00008	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
SS00008-SS00009	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
SS00009-SS00012	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
SS00010-SS00009	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
SS00011-SS00010	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00
SS00012-SS00013	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00

SS00013-SS00014	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00014-SS00015	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00015-SS00016	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00016-SS00017	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00017-SS00032	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00018-SS00017	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00019-SS00020	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00020-SS00021	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00021-SS00022	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00022-SS00023	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00023-SS00024	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00024-SS00025	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00025-SS00026	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00026-SS00027	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00027-SS00028	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00028-SS00029	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00029-SS00286	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00030-SS00029	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00031-SS00030	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00032-SS00031	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00033-SS00034	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00034-SS00035	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00035-SS00036	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00036-SS00037	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00037-SS00038	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00038-SS00039	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00039-SS00040	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00040-SS00041	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00041-SS00029	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00042-SS00043	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00043-SS00044	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00044-SS00045	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00

SS00045-SS00316	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00
0.00									
SS00046-SS00049	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00047-SS00048	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00048-SS00049	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00049-SS00050	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00050-SS00051	1.00	0.00	0.00	0.00	0.01	0.99	0.00	0.00	0.91
0.00									
SS00051-SS00052	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00052-SS00060	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00053-SS00242	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00054-SS00053	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00055-SS00054	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00056-SS00055	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00057-SS00056	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00058-SS00057	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00059-SS00058	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00060-SS00059	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00061-SS00062	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00062-SS00063	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00063-SS00064	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00064-SS00065	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00065-SS00112	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00066-SS00067	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
SS00067-SS00068	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00068-SS00069	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00069-SS00076	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00070-SS00073	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
SS00071-SS00072	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00072-SS00073	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00073-SS00074	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00074-SS00075	1.00	0.00	0.00	0.00	0.15	0.85	0.00	0.00	1.00
0.00									
SS00075-SS00076	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									

SS00076-SS00077	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.28
0.00									
SS00077-SS00078	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00078-SS00079	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00079-SS00081	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00080-SS00079	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00081-SS00082	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00082-SS00083	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00083-SS00086	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00084-SS00085	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00085-SS00087	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00086-SS00085	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00087-SS00088	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00088-SS00099	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00089-SS00090	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00090-SS00091	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00091-SS00092	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00092-SS00093	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00093-SS00094	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00094-SS00095	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00095-SS00097	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00096-SS00095	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00097-SS00098	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00098-SS00099	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00099-SS00100	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00100-SS00101	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00101-SS00053	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00102-SS00285	1.00	0.02	0.00	0.00	0.00	0.00	0.00	0.98	0.00
0.00									
SS00103-SS00102	1.00	0.02	0.00	0.00	0.00	0.00	0.00	0.98	0.00
0.00									
SS00104-SS00103	1.00	0.02	0.00	0.00	0.00	0.00	0.00	0.98	0.00
0.00									
SS00105-SS00104	1.00	0.02	0.00	0.00	0.78	0.00	0.00	0.20	0.00
0.00									
SS00106-SS00105	1.00	0.02	0.00	0.00	0.00	0.00	0.00	0.98	0.00
0.00									
SS00107-SS00106	1.00	0.02	0.00	0.00	0.00	0.00	0.00	0.98	0.00

0.00									
SS00108-SS00107	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.98
0.00									
SS00109-SS00108	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00
0.00									
SS00110-SS00109	1.00	0.01	0.00	0.00	0.82	0.00	0.00	0.17	0.00
0.00									
SS00111-SS00110	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.00
0.00									
SS00112-SS00113	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00113-SS00114	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00
0.00									
SS00114-SS00115	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00115-SS00116	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00116-SS00117	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00117-SS00118	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00118-SS00119	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00119-SS00120	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00120-SS00121	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00
0.00									
SS00121-SS00122	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00122-SS00123	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00123-SS00183	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00124-SS00123	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00125-SS00284	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00126-SS00125	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00127-SS00126	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00128-SS00127	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00129-SS00128	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00130-SS00129	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00131-SS00130	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00132-SS00131	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00133-SS00126	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00134-SS00133	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00135-SS00134	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00136-SS00135	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00137-SS00284	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00138-SS00139	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									

SS00139-SS00140	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00140-SS00141	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00141-SS00142	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00142-SS00143	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00143-SS00144	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00144-SS00120	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00145-SS00152	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00146-SS00147	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00147-SS00148	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00148-SS00149	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00149-SS00150	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00150-SS00161	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00151-SS00150	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00152-SS00151	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00153-SS00151	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00154-SS00153	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00155-SS00154	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
SS00156-SS00157	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00157-SS00158	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00158-SS00154	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00159-SS00154	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00160-SS00159	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00
0.00									
SS00161-SS00162	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00162-SS00184	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00163-SS00164	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00164-SS00165	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00
0.00									
SS00165-SS00166	1.00	0.00	0.01	0.00	0.99	0.00	0.00	0.00	0.99
0.00									
SS00166-SS00167	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00
0.00									
SS00167-SS00168	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00168-SS00169	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00169-SS00170	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00170-SS00173	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00

0.00									
SS00171-SS00170	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00
0.00									
SS00172-SS00171	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.99
0.00									
SS00173-SS00179	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00174-SS00172	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00
0.00									
SS00175-SS00174	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00
0.00									
SS00176-SS00175	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00
0.00									
SS00177-SS00176	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00178-SS00176	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00179-SS00180	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00180-SS00296	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00181-SS00179	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00182-SS00181	1.00	0.00	0.00	0.00	0.99	0.00	0.00	0.01	0.68
0.00									
SS00183-SS00182	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00184-SS00183	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00185-SS00186	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00186-SS00187	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00187-SS00188	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00188-SS00189	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00189-SS00190	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00190-SS00191	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00191-SS00214	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00192-SS00191	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00193-SS00192	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00194-SS00193	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00195-SS00194	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00196-SS00195	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00197-SS00198	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00198-SS00199	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00199-SS00200	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00200-SS00194	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00201-SS00200	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									

SS00202-SS00201	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00203E-SS00202	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00203N-SS00204	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00204-SS00198	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00205-SS00204	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00206-SS00207	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00207-SS00208	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00208-SS00209	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00209-SS00210	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00210-SS00211	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00211-SS00212	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00212-SS00222	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00213-SS00247	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00214-SS00222	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00215-SS00214	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00216-SS00215	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00217-SS00218	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00218-SS00209	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00219-SS00210	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00220-SS00219	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00221-SS00210	1.00	0.07	0.00	0.00	0.00	0.00	0.00	0.93	0.00
0.00									
SS00222-SS00213	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00223-SS00224	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00
0.00									
SS00224-SS00225	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00225-SS00226	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00226-SS00234	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00227-SS00226	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00228-SS00229	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00229-SS00230	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00230-SS00231	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00
0.00									
SS00231-SS00232	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00232-LS00001	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00

SS00233-SS00232	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00234-SS00233	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00235-SS00236	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00236-SS00237	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00237-SS00238	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00238-SS00239	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00239-LS00001	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00240-SS00292	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00
0.00									
SS00241-SS00240	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00
0.00									
SS00242-SS00241	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00
0.00									
SS00243-SS00244	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00244-SS00245	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00245-SS00246	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00246-SS00213	1.00	0.00	0.00	0.00	0.21	0.05	0.00	0.74	0.25
0.00									
SS00247-SS00252	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00248-SS00247	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00249-SS00248	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00250-SS00249	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00251-SS00250	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00
0.00									
SS00252-SS00253	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00253-SS00254	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00254-SS00256	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00255-SS00254	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00256-SS00270	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00257-SS00256	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00258-SS00257	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00259-SS00258	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00260-SS00259	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00261-SS00260	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00262-SS00261	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00263-SS00256	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									

SS00264-SS00263	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00265-SS00264	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00266-SS00267	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00
0.00									
SS00267-SS00268	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00268-SS00269	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00269-SS00270	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00270-SS00271	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00271-SS00277	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00272-SS00273	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00
0.00									
SS00273-SS00274	1.00	0.04	0.00	0.00	0.00	0.00	0.00	0.96	0.00
0.00									
SS00274-SS00275	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00275-SS00303	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00276-SS00274	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00277-SS00276	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00278-SS00277	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00279-SS00278	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00280-SS00279	1.00	0.00	0.03	0.00	0.97	0.00	0.00	0.00	0.97
0.00									
SS00281-SS00280	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00
0.00									
SS00282-SS00001	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
SS00283-SS00123	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00284-SS00124	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00285-WWTF00001	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.00
0.00									
SS00286-SS00287	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00287-SS00288	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00288-SS00289	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00289-SS00290	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00
0.00									
SS00290-SS00291	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00
0.00									
SS00291-SS00047	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00
0.00									
SS00292-SS00293	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00
0.00									
SS00293-SS00294	1.00	0.01	0.00	0.00	0.00	0.41	0.00	0.57	0.41
0.00									
SS00294-SS00295	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00
0.00									
SS00295-SS00182	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00

SS00296-SS00297	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00297-SS00298	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00298-SS00299	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00299-SS00300	1.00	0.00	0.00	0.00	0.63	0.36	0.00	0.00	0.99
0.00									
SS00300-SS00301	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00301-SS00302	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00
0.00									
SS00302-SS00311	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00
0.00									
SS00303-SS00317	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00304-SS00305	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00305-SS00306	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00306-SS00307	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00307-SS00308	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00308-SS00309	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00309-SS00310	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00
0.00									
SS00310-SS00311	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00
0.00									
SS00311-SS00312	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00
0.00									
SS00312-SS00313	1.00	0.01	0.00	0.00	0.62	0.00	0.00	0.38	0.00
0.00									
SS00313-SS00314	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.00
0.00									
SS00314-SS00315	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00
0.00									
SS00315-SS00111	1.00	0.01	0.00	0.00	0.05	0.00	0.00	0.94	0.00
0.00									
SSC00001-SS00255	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SSC00002-SS00265	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SSC00003-SS00264	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SSC00004-SS00225	1.00	0.21	0.79	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
SSC00005-SS00244	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SSC00006-SS00231	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SSC00007-SS00015	1.00	0.28	0.72	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
SS00203N-SSS00203E	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
FM00001	1.00	0.06	0.88	0.00	0.00	0.00	0.05	0.00	0.00
0.00									
SS00316-SS00046	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00317-SS00304	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									

****
Conduit Surcharge Summary
****

Conduit	Hours Full: Both Ends	Hours Full: Upstream	Hours Full: Dnstream	Hours Above Full Normal Flow	Hours Capacity Limited
SS00232-LS00001	0.01	0.01	95.00	0.01	0.01
FM00001	0.01	0.01	88.98	0.01	0.01

****
Pumping Summary
****

Pump	Power Usage Kw-hr	% Time Off Pump Curve Low	% Time Off Pump Curve High	Percent Utilized	Number of Start-Ups	Min Flow GPM	Avg Flow GPM	Max Flow GPM	Total Volume 10^6 gal
NORTHCREEK_PUMP1	10.92	0.0	100.0	5.47	128	0.00	200.00	200.00	0.063
NORTHCREEK_PUMP2	0.00	0.0	0.0	0.00	0	0.00	0.00	0.00	0.000

Analysis begun on: Thu Jan 26 17:22:35 2017
Analysis ended on: Thu Jan 26 17:23:43 2017
Total elapsed time: 00:01:08

```
[TITLE]
;;Project Title/Notes
1970.63c - Town of Mead Sanitary Sewer System - Future Flow Analysis using Existing
Town Data 2016

[OPTIONS]
;;Option             Value
FLOW_UNITS           GPM
INFILTRATION         HORTON
FLOW_ROUTING         DYNWAVE
LINK_OFFSETS         DEPTH
MIN_SLOPE            0
ALLOW_PONDING        YES
SKIP_STEADY_STATE    NO

START_DATE           07/26/2016
START_TIME           00:00:00
REPORT_START_DATE    07/26/2016
REPORT_START_TIME    00:00:00
END_DATE             07/30/2016
END_TIME             00:00:00
SWEEP_START          01/01
SWEEP_END            12/31
DRY_DAYS             0
REPORT_STEP          00:00:05
WET_STEP             00:00:05
DRY_STEP             00:00:05
ROUTING_STEP         0:00:05

INERTIAL_DAMPING     PARTIAL
NORMAL_FLOW_LIMITED  BOTH
FORCE_MAIN_EQUATION  H-W
VARIABLE_STEP        0.75
LENGTHENING_STEP     0
MIN_SURFAREA         12.566
MAX_TRIALS           20
HEAD_TOLERANCE       0.005
SYS_FLOW_TOL         5
LAT_FLOW_TOL         5
MINIMUM_STEP         0.5
THREADS              1

[EVAPORATION]
;;Data Source    Parameters
;;-------------- ----------------
CONSTANT         0.0
DRY_ONLY         NO

[JUNCTIONS]
;;Name           Elevation  MaxDepth   InitDepth  SurDepth   Aponded
;;-------------- ---------- ---------- ---------- ---------- ----------
LS00001          5005.05    11.87      0          0          0
SS00001          5074.35    9.23       0          0          0
SS00002          5073.17    9.87       0          0          0
SS00003          5072.22    12.03      0          0          0
SS00004          5070.71    11.54      0          0          0
SS00005          5065.48    12.69      0          0          0
SS00006          5061.71    9.66       0          0          0
SS00007          5061.17    9.66       0          0          0
SS00008          5060.33    9.71       0          0          0
SS00009          5057.95    10.01      0          0          0
SS00010          5060.72    10.11      0          0          0
SS00011          5063.21    10.17      0          0          0
```

SS00012	5055.17	10.31	0	0	0
SS00013	5048.99	12.14	0	0	0
SS00014	5047.90	11.80	0	0	0
SS00015	5045.06	15.17	0	0	0
SS00016	5044.50	16.08	0	0	0
SS00017	5043.71	17.69	0	0	0
SS00018	5045.00	17.30	0	0	0
SS00019	5072.34	8.55	0	0	0
SS00020	5071.47	9.90	0	0	0
SS00021	5063.69	9.84	0	0	0
SS00022	5057.56	9.93	0	0	0
SS00023	5056.85	9.92	0	0	0
SS00024	5055.62	10.15	0	0	0
SS00025	5054.29	9.99	0	0	0
SS00026	5049.44	13.06	0	0	0
SS00027	5048.28	13.60	0	0	0
SS00028	5047.05	15.59	0	0	0
SS00029	5040.60	22.81	0	0	0
SS00030	5041.71	21.00	0	0	0
SS00031	5042.33	20.25	0	0	0
SS00032	5042.75	19.02	0	0	0
SS00033	5054.81	10.23	0	0	0
SS00034	5054.23	10.11	0	0	0
SS00035	5052.81	10.57	0	0	0
SS00036	5051.06	10.35	0	0	0
SS00037	5049.24	12.78	0	0	0
SS00038	5048.45	13.92	0	0	0
SS00039	5047.66	15.56	0	0	0
SS00040	5047.03	16.53	0	0	0
SS00041	5046.23	17.65	0	0	0
SS00042	5042.97	10.16	0	0	0
SS00043	5040.42	9.88	0	0	0
SS00044	5039.12	9.15	0	0	0
SS00045	5033.75	10.80	0	0	0
SS00046	5030.12	14.69	0	0	0
SS00047	5028.68	13.69	0	0	0
SS00048	5027.41	17.41	0	0	0
SS00049	5025.57	18.39	0	0	0
SS00050	5024.27	17.84	0	0	0
SS00051	5022.93	13.99	0	0	0
SS00052	5021.68	11.35	0	0	0
SS00053	4972.71	14.82	0	0	0
SS00054	4981.28	13.65	0	0	0
SS00055	4993.33	12.71	0	0	0
SS00056	5001.76	12.20	0	0	0
SS00057	5004.61	11.95	0	0	0
SS00058	5006.59	12.10	0	0	0
SS00059	5012.50	11.04	0	0	0
SS00060	5019.60	9.30	0	0	0
SS00061	5023.48	9.92	0	0	0
SS00062	5018.59	13.43	0	0	0
SS00063	5009.84	13.46	0	0	0
SS00064	4997.44	15.97	0	0	0
SS00065	4993.83	12.41	0	0	0
SS00066	5012.54	15.75	0	0	0
SS00067	5009.80	13.73	0	0	0
SS00068	5007.53	13.77	0	0	0
SS00069	5005.28	13.65	0	0	0
SS00070	5014.85	13.52	0	0	0
SS00071	5017.49	13.90	0	0	0
SS00072	5015.77	14.02	0	0	0
SS00073	5013.65	13.87	0	0	0
SS00074	5011.08	13.93	0	0	0

SS00075	5006.92	13.64	0	0	0
SS00076	5004.40	13.92	0	0	0
SS00077	5001.09	13.85	0	0	0
SS00078	4996.89	13.89	0	0	0
SS00079	4994.76	13.61	0	0	0
SS00080	4997.22	13.68	0	0	0
SS00081	4990.76	13.60	0	0	0
SS00082	4988.05	12.45	0	0	0
SS00083	4987.50	11.57	0	0	0
SS00084	4987.51	14.45	0	0	0
SS00085	4985.48	11.25	0	0	0
SS00086	4986.23	11.39	0	0	0
SS00087	4984.29	11.26	0	0	0
SS00088	4983.16	15.23	0	0	0
SS00089	5021.12	11.59	0	0	0
SS00090	5018.45	10.84	0	0	0
SS00091	5012.58	10.72	0	0	0
SS00092	5007.04	10.65	0	0	0
SS00093	5003.55	10.59	0	0	0
SS00094	5001.17	10.53	0	0	0
SS00095	4999.32	10.65	0	0	0
SS00096	5004.23	10.51	0	0	0
SS00097	4995.62	10.60	0	0	0
SS00098	4991.53	10.31	0	0	0
SS00099	4982.20	17.97	0	0	0
SS00100	4980.30	17.71	0	0	0
SS00101	4974.38	14.54	0	0	0
SS00102	4915.09	16.11	0	0	0
SS00103	4916.13	9.89	0	0	0
SS00104	4916.73	7.93	0	0	0
SS00105	4916.93	11.18	0	0	0
SS00106	4917.38	5.30	0	0	0
SS00107	4917.71	14.44	0	0	0
SS00108	4917.89	15.96	0	0	0
SS00109	4918.21	19.99	0	0	0
SS00110	4918.34	19.42	0	0	0
SS00111	4918.61	12.01	0	0	0
SS00112	4992.78	9.26	0	0	0
SS00113	4987.33	13.79	0	0	0
SS00114	4983.29	12.98	0	0	0
SS00115	4978.13	13.44	0	0	0
SS00116	4974.08	13.72	0	0	0
SS00117	4970.16	14.07	0	0	0
SS00118	4967.20	13.61	0	0	0
SS00119	4964.37	13.88	0	0	0
SS00120	4962.38	12.45	0	0	0
SS00121	4959.08	12.45	0	0	0
SS00122	4952.06	13.49	0	0	0
SS00123	4950.29	14.26	0	0	0
SS00124	4950.83	14.08	0	0	0
SS00125	4968.95	13.80	0	0	0
SS00126	4976.60	13.10	0	0	0
SS00127	4978.18	12.46	0	0	0
SS00128	4978.96	12.54	0	0	0
SS00129	4981.61	14.45	0	0	0
SS00130	4982.06	15.03	0	0	0
SS00131	4982.55	15.05	0	0	0
SS00132	4983.98	11.39	0	0	0
SS00133	4978.98	13.57	0	0	0
SS00134	4980.25	13.79	0	0	0
SS00135	4982.91	14.51	0	0	0
SS00136	4986.93	13.86	0	0	0
SS00137	4968.34	13.67	0	0	0

SS00138	4979.35	12.55	0	0	0
SS00139	4976.96	12.57	0	0	0
SS00140	4974.65	12.74	0	0	0
SS00141	4972.37	12.44	0	0	0
SS00142	4970.22	12.52	0	0	0
SS00143	4966.14	12.40	0	0	0
SS00144	4963.98	12.69	0	0	0
SS00145	4955.71	11.74	0	0	0
SS00146	4957.29	12.13	0	0	0
SS00147	4956.05	12.95	0	0	0
SS00148	4955.77	12.50	0	0	0
SS00149	4954.92	12.71	0	0	0
SS00150	4945.72	15.37	0	0	0
SS00151	4946.27	14.87	0	0	0
SS00152	4950.26	11.91	0	0	0
SS00153	4946.82	14.90	0	0	0
SS00154	4948.06	16.43	0	0	0
SS00155	4949.41	15.79	0	0	0
SS00156	4974.68	12.17	0	0	0
SS00157	4972.01	13.80	0	0	0
SS00158	4961.99	12.95	0	0	0
SS00159	4949.30	12.33	0	0	0
SS00160	4950.66	5.82	0	0	0
;4941.63 15.82					
SS00161	4944.99	12.46	0	0	0
SS00162	4944.79	7.01	0	0	0
SS00163	4989.11	9.21	0	0	0
SS00164	4983.94	8.49	0	0	0
SS00165	4979.30	8.35	0	0	0
SS00166	4974.53	8.31	0	0	0
SS00167	4967.54	10.41	0	0	0
SS00168	4961.11	10.62	0	0	0
SS00169	4954.67	10.72	0	0	0
SS00170	4948.24	9.31	0	0	0
SS00171	4948.58	8.76	0	0	0
SS00172	4949.28	8.70	0	0	0
SS00173	4946.56	11.05	0	0	0
SS00174	4952.18	9.60	0	0	0
SS00175	4957.00	13.07	0	0	0
SS00176	4968.51	10.47	0	0	0
SS00177	4970.70	10.06	0	0	0
SS00178	4973.70	9.89	0	0	0
SS00179	4938.96	15.27	0	0	0
SS00180	4937.64	7.00	0	0	0
SS00181	4939.12	8.62	0	0	0
SS00182	4939.71	8.30	0	0	0
SS00183	4941.72	12.07	0	0	0
SS00184	4943.17	9.84	0	0	0
SS00185	5049.88	10.89	0	0	0
SS00186	5047.92	11.79	0	0	0
SS00187	5045.23	11.37	0	0	0
SS00188	5041.91	11.72	0	0	0
SS00189	5039.65	11.97	0	0	0
SS00190	5034.62	11.30	0	0	0
SS00191	5029.98	12.00	0	0	0
SS00192	5031.31	11.92	0	0	0
SS00193	5032.77	11.67	0	0	0
SS00194	5033.93	11.36	0	0	0
SS00195	5035.95	12.32	0	0	0
SS00196	5041.65	11.70	0	0	0
SS00197	5043.18	11.78	0	0	0
SS00198	5039.34	11.70	0	0	0
SS00199	5036.75	11.62	0	0	0

SS00200	5035.36	11.25	0	0	0
SS00201	5037.97	11.57	0	0	0
SS00202	5039.99	11.49	0	0	0
SS00203E	5043.32	11.46	0	0	0
SS00203N	5043.42	11.36	0	0	0
SS00204	5041.32	11.79	0	0	0
SS00205	5042.45	11.93	0	0	0
SS00206	5039.14	11.44	0	0	0
SS00207	5035.96	11.64	0	0	0
SS00208	5033.10	11.91	0	0	0
SS00209	5030.91	11.75	0	0	0
SS00210	5025.51	11.55	0	0	0
SS00211	5023.99	11.27	0	0	0
SS00212	5022.27	15.17	0	0	0
SS00213	5016.67	13.87	0	0	0
SS00214	5027.32	13.02	0	0	0
SS00215	5035.14	13.96	0	0	0
SS00216	5037.92	15.50	0	0	0
SS00217	5035.88	11.12	0	0	0
SS00218	5033.45	11.19	0	0	0
SS00219	5027.09	11.10	0	0	0
SS00220	5028.65	10.69	0	0	0
;5027.15 10.61					
SS00221	5027.15	10.61	0	0	0
SS00222	5017.24	19.52	0	0	0
SS00223	5021.97	9.16	0	0	0
SS00224	5016.93	9.30	0	0	0
SS00225	5016.83	9.33	0	0	0
SS00226	5015.28	11.65	0	0	0
SS00227	5021.23	9.03	0	0	0
SS00228	5019.71	10.78	0	0	0
SS00229	5018.35	12.96	0	0	0
SS00230	5016.25	13.99	0	0	0
SS00231	5013.02	9.44	0	0	0
SS00232	5009.04	9.63	0	0	0
SS00233	5011.21	14.70	0	0	0
SS00234	5013.58	12.39	0	0	0
SS00235	5019.05	9.22	0	0	0
SS00236	5016.21	9.51	0	0	0
SS00237	5013.83	9.87	0	0	0
SS00238	5010.99	10.15	0	0	0
SS00239	5007.70	11.44	0	0	0
SS00240	4961.31	12.42	0	0	0
SS00241	4971.92	15.40	0	0	0
SS00242	4972.43	9.11	0	0	0
SS00243	5041.07	12.59	0	0	0
SS00244	5026.28	13.25	0	0	0
SS00245	5024.21	13.91	0	0	0
SS00246	5020.72	14.15	0	0	0
SS00247	5015.88	12.67	0	0	0
SS00248	5020.55	11.70	0	0	0
SS00249	5022.82	11.44	0	0	0
SS00250	5024.48	10.84	0	0	0
SS00251	5036.51	9.98	0	0	0
SS00252	5014.85	5.39	0	0	0
SS00253	5013.07	9.75	0	0	0
SS00254	5011.50	11.81	0	0	0
SS00255	5017.71	6.95	0	0	0
SS00256	4999.61	10.55	0	0	0
SS00257	5005.52	7.17	0	0	0
SS00258	5008.45	6.93	0	0	0
SS00259	5011.91	8.15	0	0	0
SS00260	5019.76	8.35	0	0	0

SS00261	5029.77	7.96	0	0	0
SS00262	5035.67	10.03	0	0	0
SS00263	5001.50	9.93	0	0	0
SS00264	5003.27	7.85	0	0	0
SS00265	5009.16	6.50	0	0	0
SS00266	4994.66	6.31	0	0	0
SS00267	4993.56	6.76	0	0	0
SS00268	4993.22	7.48	0	0	0
SS00269	4991.91	9.55	0	0	0
SS00270	4989.87	10.93	0	0	0
SS00271	4989.11	10.90	0	0	0
SS00272	4984.05	5.87	0	0	0
SS00273	4979.37	5.25	0	0	0
SS00274	4974.73	7.40	0	0	0
SS00275	4972.87	5.83	0	0	0
SS00276	4980.33	6.39	0	0	0
SS00277	4983.56	5.57	0	0	0
SS00278	4986.58	6.67	0	0	0
SS00279	4992.32	6.93	0	0	0
SS00280	4996.40	7.33	0	0	0
SS00281	4997.66	7.89	0	0	0
SS00282	5076.86	12.60	0	0	0
SS00283	4951.43	12.43	0	0	0
SS00284	4963.36	13.11	0	0	0
SS00285	4914.35	9.65	0	0	0
SS00286	5040.27	13.15	0	0	0
SS00287	5039.19	12.30	0	0	0
SS00288	5038.08	7.74	0	0	0
SS00289	5036.57	10.60	0	0	0
SS00290	5036.13	13.26	0	0	0
SS00291	5030.11	15.60	0	0	0
SS00292	4955.42	9.81	0	0	0
SS00293	4951.31	8.69	0	0	0
SS00294	4943.42	11.16	0	0	0
SS00295	4942.19	9.21	0	0	0
SS00296	4935.17	6.18	0	0	0
SS00297	4932.78	7.06	0	0	0
SS00298	4930.05	6.71	0	0	0
SS00299	4927.02	5.78	0	0	0
SS00300	4923.74	5.54	0	0	0
SS00301	4923.10	6.27	0	0	0
SS00302	4922.38	10.90	0	0	0
SS00303	4967.65	4.36	0	0	0
SS00304	4953.25	10.43	0	0	0
SS00305	4947.11	9.61	0	0	0
SS00306	4943.16	9.56	0	0	0
SS00307	4939.16	6.60	0	0	0
SS00308	4934.82	6.36	0	0	0
SS00309	4932.44	7.54	0	0	0
SS00310	4930.62	7.57	0	0	0
SS00311	4922.16	14.49	0	0	0
SS00312	4921.62	10.49	0	0	0
SS00313	4921.18	9.03	0	0	0
SS00314	4920.82	9.01	0	0	0
SS00315	4919.52	11.77	0	0	0
SS00316	5032.01	11.99	0	0	0
SS00317	4956.74	11.26	0	0	0
SSC00001	5018.51	6.85	0	0	0
SSC00002	5011.26	4.86	0	0	0
SSC00003	5004.62	5.82	0	0	0
SSC00004	5017.70	12.16	0	0	0
SSC00005	5026.83	19.17	0	0	0
SSC00006	5013.35	11.65	0	0	0

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SSC00007         5045.31    12.69      0          0          0

[OUTFALLS]
;;Name           Elevation  Type       Stage Data       Gated    Route To
;;-------------- ---------- ---------- ---------------- -------- ----------------
WWTF00001        4914.25    FREE                        NO

[CONDUITS]
;;Name           From Node        To Node          Length     Roughness  InOffset
OutOffset  InitFlow   MaxFlow
;;-------------- ---------------- ---------------- ---------- ---------- ----------
---------- ---------- ----------
SS00001-SS00002  SS00001          SS00002          155.0      0.010      0
0.00       0          0
SS00002-SS00003  SS00002          SS00003          169.3      0.010      0.02
0.06       0          0
SS00003-SS00004  SS00003          SS00004          134.5      0.010      0
0.28       0          0
SS00004-SS00005  SS00004          SS00005          186.1      0.010      0
0.13       0          0
SS00005-SS00006  SS00005          SS00006          399.3      0.010      0
0.19       0          0
SS00006-SS00007  SS00006          SS00007          121.0      0.010      0
0.17       0          0
SS00007-SS00008  SS00007          SS00008          118.9      0.010      0
0.14       0          0
SS00008-SS00009  SS00008          SS00009          143.5      0.010      0
0.06       0          0
SS00009-SS00012  SS00009          SS00012          154.7      0.010      0
0.26       0          0
SS00010-SS00009  SS00010          SS00009          245.1      0.010      0
0.28       0          0
SS00011-SS00010  SS00011          SS00010          236.6      0.010      0
0.32       0          0
SS00012-SS00013  SS00012          SS00013          125.7      0.010      0
0.26       0          0
SS00013-SS00014  SS00013          SS00014          197.7      0.010      0
0.19       0          0
SS00014-SS00015  SS00014          SS00015          129.0      0.010      0
0.18       0          0
SS00015-SS00016  SS00015          SS00016          104.1      0.010      0
0.23       0          0
SS00016-SS00017  SS00016          SS00017          168.6      0.010      0
0.19       0          0
SS00017-SS00032  SS00017          SS00032          141.6      0.010      0
0.27       0          0
SS00018-SS00017  SS00018          SS00017          210.4      0.010      0
0.14       0          0
SS00019-SS00020  SS00019          SS00020          109.4      0.010      0
0.21       0          0
SS00020-SS00021  SS00020          SS00021          224.8      0.010      0
0.10       0          0
SS00021-SS00022  SS00021          SS00022          261.0      0.010      0
0.29       0          0
SS00022-SS00023  SS00022          SS00023          142.9      0.010      0
0.19       0          0
SS00023-SS00024  SS00023          SS00024          205.9      0.010      0
0.41       0          0
SS00024-SS00025  SS00024          SS00025          297.6      0.010      0
0.33       0          0
SS00025-SS00026  SS00025          SS00026          296.3      0.010      0
2.20       0          0
SS00026-SS00027  SS00026          SS00027          230.4      0.010      0
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0.22	0	0				
SS00027-SS00028	SS00027	SS00028	225.3	0.010	0	
0.15	0	0				
SS00028-SS00029	SS00028	SS00029	186.3	0.010	0	
0.37	0	0				
SS00029-SS00286	SS00029	SS00286	223.0	0.010	0	
0.06	0	0				
SS00030-SS00029	SS00030	SS00029	223.0	0.010	0	
0.27	0	0				
SS00031-SS00030	SS00031	SS00030	91.9	0.010	0	
0.26	0	0				
SS00032-SS00031	SS00032	SS00031	94.3	0.010	0	
0.13	0	0				
SS00033-SS00034	SS00033	SS00034	107.3	0.010	0	
0.32	0	0				
SS00034-SS00035	SS00034	SS00035	229.9	0.010	0	
0.41	0	0				
SS00035-SS00036	SS00035	SS00036	397.8	0.010	0	
0.22	0	0				
SS00036-SS00037	SS00036	SS00037	399.3	0.010	0	
0.27	0	0				
SS00037-SS00038	SS00037	SS00038	97.4	0.010	0	
0.27	0	0				
SS00038-SS00039	SS00038	SS00039	129.4	0.010	0	
0.30	0	0				
SS00039-SS00040	SS00039	SS00040	102.9	0.010	0	
0.20	0	0				
SS00040-SS00041	SS00040	SS00041	103.3	0.010	0	
0.46	0	0				
SS00041-SS00029	SS00041	SS00029	165.4	0.010	0	
0.39	0	0				
SS00042-SS00043	SS00042	SS00043	173.5	0.010	0	
0.28	0	0				
SS00043-SS00044	SS00043	SS00044	246.5	0.010	0	
0.18	0	0				
SS00044-SS00045	SS00044	SS00045	298.1	0.010	0	
0.42	0	0				
SS00045-SS00316	SS00045	SS00316	278.02	0.010	0	
0	0	0				
SS00046-SS00049	SS00046	SS00049	339.1	0.010	0	
0.37	0	0				
SS00047-SS00048	SS00047	SS00048	242.8	0.010	0	
0.06	0	0				
SS00048-SS00049	SS00048	SS00049	297.0	0.010	0	
0.45	0	0				
SS00049-SS00050	SS00049	SS00050	230.6	0.010	0	
0.21	0	0				
SS00050-SS00051	SS00050	SS00051	229.6	0.010	0	
0.00	0	0				
SS00051-SS00052	SS00051	SS00052	181.4	0.010	0	
0.21	0	0				
SS00052-SS00060	SS00052	SS00060	181.8	0.010	0	
0.12	0	0				
SS00053-SS00242	SS00053	SS00242	185.3	0.010	0	
0.11	0	0				
SS00054-SS00053	SS00054	SS00053	198.2	0.010	0	
1.44	0	0				
SS00055-SS00054	SS00055	SS00054	224.2	0.010	0	
0.22	0	0				
SS00056-SS00055	SS00056	SS00055	220.8	0.010	0	
0.03	0	0				
SS00057-SS00056	SS00057	SS00056	307.9	0.010	0	
0.16	0	0				

SS00058-SS00057	SS00058	SS00057	253.8	0.010	0	
0.27	0	0				
SS00059-SS00058	SS00059	SS00058	253.8	0.010	0	
0.25	0	0				
SS00060-SS00059	SS00060	SS00059	257.1	0.010	0	
0.19	0	0				
SS00061-SS00062	SS00061	SS00062	270.1	0.010	0	
0.34	0	0				
SS00062-SS00063	SS00062	SS00063	408.1	0.010	0	
0.31	0	0				
SS00063-SS00064	SS00063	SS00064	390.7	0.010	0	
0.32	0	0				
SS00064-SS00065	SS00064	SS00065	355.9	0.010	0	
0.20	0	0				
SS00065-SS00112	SS00065	SS00112	119.7	0.010	0	
0.26	0	0				
SS00066-SS00067	SS00066	SS00067	235.4	0.010	0	
0.26	0	0				
SS00067-SS00068	SS00067	SS00068	281.9	0.010	0	
0.23	0	0				
SS00068-SS00069	SS00068	SS00069	281.2	0.010	0	
0.13	0	0				
SS00069-SS00076	SS00069	SS00076	76.8	0.010	0	
0.07	0	0				
SS00070-SS00073	SS00070	SS00073	124.9	0.010	0	
0.14	0	0				
SS00071-SS00072	SS00071	SS00072	218.9	0.010	0	
0.23	0	0				
SS00072-SS00073	SS00072	SS00073	240.7	0.010	0	
0.17	0	0				
SS00073-SS00074	SS00073	SS00074	161.3	0.010	0	
0.21	0	0				
SS00074-SS00075	SS00074	SS00075	284.1	0.010	0	
0.00	0	0				
SS00075-SS00076	SS00075	SS00076	124.7	0.010	0	
0.27	0	0				
SS00076-SS00077	SS00076	SS00077	209.1	0.010	0	
0.00	0	0				
SS00077-SS00078	SS00077	SS00078	228.5	0.010	0	
0.30	0	0				
SS00078-SS00079	SS00078	SS00079	125.0	0.010	0	
0.16	0	0				
SS00079-SS00081	SS00079	SS00081	218.1	0.010	0	
0.31	0	0				
SS00080-SS00079	SS00080	SS00079	297.2	0.010	0	
0.13	0	0				
SS00081-SS00082	SS00081	SS00082	216.3	0.010	0	
0.28	0	0				
SS00082-SS00083	SS00082	SS00083	105.6	0.010	0	
0.02	0	0				
SS00083-SS00086	SS00083	SS00086	174.4	0.010	0	
0.29	0	0				
SS00084-SS00085	SS00084	SS00085	263.6	0.010	0	
0.15	0	0				
SS00085-SS00087	SS00085	SS00087	212.8	0.010	0	
0.22	0	0				
SS00086-SS00085	SS00086	SS00085	98.6	0.010	0	
0.12	0	0				
SS00087-SS00088	SS00087	SS00088	211.5	0.010	0	
0.14	0	0				
SS00088-SS00099	SS00088	SS00099	126.2	0.010	0	
0.38	0	0				
SS00089-SS00090	SS00089	SS00090	106.8	0.010	0	

	0.10	0	0			
SS00090-SS00091	SS00090		SS00091	175.0	0.010	0
	0.11	0	0			
SS00091-SS00092	SS00091		SS00092	176.1	0.010	0
	0.04	0	0			
SS00092-SS00093	SS00092		SS00093	312.6	0.010	0
	0.42	0	0			
SS00093-SS00094	SS00093		SS00094	245.9	0.010	0
	0.34	0	0			
SS00094-SS00095	SS00094		SS00095	201.0	0.010	0
	0.20	0	0			
SS00095-SS00097	SS00095		SS00097	233.8	0.010	0
	0.37	0	0			
SS00096-SS00095	SS00096		SS00095	362.2	0.010	0
	0.10	0	0			
SS00097-SS00098	SS00097		SS00098	237.1	0.010	0
	0.12	0	0			
SS00098-SS00099	SS00098		SS00099	213.0	0.010	0
	0.22	0	0			
SS00099-SS00100	SS00099		SS00100	82.8	0.010	0
	0.21	0	0			
SS00100-SS00101	SS00100		SS00101	254.0	0.010	0
	0.29	0	0			
SS00101-SS00053	SS00101		SS00053	310.9	0.010	0
	0.61	0	0			
SS00102-SS00285	SS00102		SS00285	768.4	0.010	0
	0.20	0	0			
SS00103-SS00102	SS00103		SS00102	528.9	0.010	0
	0.39	0	0			
SS00104-SS00103	SS00104		SS00103	172.6	0.010	0
	0.34	0	0			
SS00105-SS00104	SS00105		SS00104	201.1	0.010	0
	0.04	0	0			
SS00106-SS00105	SS00106		SS00105	133.1	0.010	0
	0.19	0	0			
SS00107-SS00106	SS00107		SS00106	242.2	0.010	0.04
	0.10	0	0			
SS00108-SS00107	SS00108		SS00107	241.6	0.010	0
	0.00	0	0			
SS00109-SS00108	SS00109		SS00108	234.0	0.010	0
	0.21	0	0			
SS00110-SS00109	SS00110		SS00109	16.8	0.010	0
	0.10	0	0			
SS00111-SS00110	SS00111		SS00110	421.7	0.010	0
	0.00	0	0			
SS00112-SS00113	SS00112		SS00113	22.5	0.010	0
	4.62	0	0			
SS00113-SS00114	SS00113		SS00114	259.0	0.010	0
	0.00	0	0			
SS00114-SS00115	SS00114		SS00115	255.4	0.010	0
	0.17	0	0			
SS00115-SS00116	SS00115		SS00116	190.8	0.010	0
	0.20	0	0			
SS00116-SS00117	SS00116		SS00117	195.6	0.010	0
	0.22	0	0			
SS00117-SS00118	SS00117		SS00118	173.0	0.010	0
	0.12	0	0			
SS00118-SS00119	SS00118		SS00119	91.5	0.010	0
	0.14	0	0			
SS00119-SS00120	SS00119		SS00120	80.7	0.010	0
	0.17	0	0			
SS00120-SS00121	SS00120		SS00121	65.1	0.010	0
	0.00	0	0			

SS00121-SS00122	SS00121	SS00122	148.9	0.010	0
0.16	0	0			
SS00122-SS00123	SS00122	SS00123	333.5	0.010	0
0.29	0	0			
SS00123-SS00183	SS00123	SS00183	213.5	0.010	0
0.12	0	0			
SS00124-SS00123	SS00124	SS00123	41.2	0.010	0
0.29	0	0			
SS00125-SS00284	SS00125	SS00284	108.9	0.010	0
0.25	0	0			
SS00126-SS00125	SS00126	SS00125	200.9	0.010	0
0.07	0	0			
SS00127-SS00126	SS00127	SS00126	93.7	0.010	0
0.06	0	0			
SS00128-SS00127	SS00128	SS00127	36.4	0.010	0
0.23	0	0			
SS00129-SS00128	SS00129	SS00128	188.0	0.010	0
0.23	0	0			
SS00130-SS00129	SS00130	SS00129	46.0	0.010	0
0.09	0	0			
SS00131-SS00130	SS00131	SS00130	42.7	0.010	0
0.14	0	0			
SS00132-SS00131	SS00132	SS00131	202.8	0.010	0
0.10	0	0			
SS00133-SS00126	SS00133	SS00126	192.8	0.010	0
0.25	0	0			
SS00134-SS00133	SS00134	SS00133	111.6	0.010	0
0.08	0	0			
SS00135-SS00134	SS00135	SS00134	258.3	0.010	0
0.24	0	0			
SS00136-SS00135	SS00136	SS00135	377.6	0.010	0
0.19	0	0			
SS00137-SS00284	SS00137	SS00284	233.6	0.010	0
0.16	0	0			
SS00138-SS00139	SS00138	SS00139	121.3	0.010	0
0.20	0	0			
SS00139-SS00140	SS00139	SS00140	106.7	0.010	0
0.22	0	0			
SS00140-SS00141	SS00140	SS00141	121.0	0.010	0
0.32	0	0			
SS00141-SS00142	SS00141	SS00142	100.7	0.010	0
0.20	0	0			
SS00142-SS00143	SS00142	SS00143	207.6	0.010	0
0.27	0	0			
SS00143-SS00144	SS00143	SS00144	114.9	0.010	0
0.33	0	0			
SS00144-SS00120	SS00144	SS00120	102.8	0.010	0
0.06	0	0			
SS00145-SS00152	SS00145	SS00152	210.9	0.010	0
0.14	0	0			
SS00146-SS00147	SS00146	SS00147	195.3	0.010	0
0.23	0	0			
SS00147-SS00148	SS00147	SS00148	42.2	0.010	0
0.13	0	0			
SS00148-SS00149	SS00148	SS00149	74.4	0.010	0
0.11	0	0			
SS00149-SS00150	SS00149	SS00150	335.2	0.010	0
3.54	0	0			
SS00150-SS00161	SS00150	SS00161	138.4	0.010	0
0.11	0	0			
SS00151-SS00150	SS00151	SS00150	58.9	0.010	0
0.36	0	0			
SS00152-SS00151	SS00152	SS00151	82.9	0.010	0

1.19	0	0				
SS00153-SS00151	SS00153	SS00151	58.3	0.010	0	
0.14	0	0				
SS00154-SS00153	SS00154	SS00153	264.8	0.010	0	
0.22	0	0				
SS00155-SS00154	SS00155	SS00154	124.0	0.010	0	
0.07	0	0				
SS00156-SS00157	SS00156	SS00157	97.0	0.010	0	
0.14	0	0				
SS00157-SS00158	SS00157	SS00158	348.8	0.010	0	
0.36	0	0				
SS00158-SS00154	SS00158	SS00154	344.4	0.010	0	
3.57	0	0				
SS00159-SS00154	SS00159	SS00154	240.2	0.010	0	
0.16	0	0				
SS00160-SS00159	SS00160	SS00159	270.7	0.010	0	
0.00	0	0				
SS00161-SS00162	SS00161	SS00162	38.5	0.010	0	
0.16	0	0				
SS00162-SS00184	SS00162	SS00184	400.2	0.010	0	
0.23	0	0				
SS00163-SS00164	SS00163	SS00164	378.3	0.010	0	
0.10	0	0				
SS00164-SS00165	SS00164	SS00165	399.7	0.010	0	
0.00	0	0				
SS00165-SS00166	SS00165	SS00166	399.0	0.010	0.08	
0.00	0	0				
SS00166-SS00167	SS00166	SS00167	399.5	0.010	0.1	
0.17	0	0				
SS00167-SS00168	SS00167	SS00168	400.9	0.010	0	
0.07	0	0				
SS00168-SS00169	SS00168	SS00169	385.0	0.010	0	
0.22	0	0				
SS00169-SS00170	SS00169	SS00170	342.1	0.010	0	
0.14	0	0				
SS00170-SS00173	SS00170	SS00173	64.3	0.010	0	
0.22	0	0				
SS00171-SS00170	SS00171	SS00170	27.9	0.010	0.07	
0.14	0	0				
SS00172-SS00171	SS00172	SS00171	63.3	0.010	0	
0.00	0	0				
SS00173-SS00179	SS00173	SS00179	179.7	0.010	0	
1.08	0	0				
SS00174-SS00172	SS00174	SS00172	401.4	0.010	0.09	
0.06	0	0				
SS00175-SS00174	SS00175	SS00174	399.3	0.010	0.08	
0.00	0	0				
SS00176-SS00175	SS00176	SS00175	382.7	0.010	0	
0.00	0	0				
SS00177-SS00176	SS00177	SS00176	95.8	0.010	0	
0.17	0	0				
SS00178-SS00176	SS00178	SS00176	221.2	0.010	0	
0.21	0	0				
SS00179-SS00180	SS00179	SS00180	123.5	0.010	0	
0.05	0	0				
SS00180-SS00296	SS00180	SS00296	479.7	0.010	0	
0.41	0	0				
SS00181-SS00179	SS00181	SS00179	265.7	0.010	0	
0.04	0	0				
SS00182-SS00181	SS00182	SS00181	376.0	0.010	0	
0.07	0	0				
SS00183-SS00182	SS00183	SS00182	116.2	0.010	0	
1.26	0	0				

SS00184-SS00183	SS00184	SS00183	326.9	0.010	0
0.10	0	0			
SS00185-SS00186	SS00185	SS00186	276.6	0.010	0
0.48	0	0			
SS00186-SS00187	SS00186	SS00187	369.7	0.010	0
0.06	0	0			
SS00187-SS00188	SS00187	SS00188	381.2	0.010	0
0.23	0	0			
SS00188-SS00189	SS00188	SS00189	140.9	0.010	0
0.17	0	0			
SS00189-SS00190	SS00189	SS00190	261.6	0.010	0
0.19	0	0			
SS00190-SS00191	SS00190	SS00191	259.2	0.010	0
0.35	0	0			
SS00191-SS00214	SS00191	SS00214	285.4	0.010	0
0.38	0	0			
SS00192-SS00191	SS00192	SS00191	172.4	0.010	0
0.25	0	0			
SS00193-SS00192	SS00193	SS00192	140.9	0.010	0
0.27	0	0			
SS00194-SS00193	SS00194	SS00193	120.5	0.010	0
0.10	0	0			
SS00195-SS00194	SS00195	SS00194	302.3	0.010	0
0.07	0	0			
SS00196-SS00195	SS00196	SS00195	323.0	0.010	0
0.09	0	0			
SS00197-SS00198	SS00197	SS00198	195.3	0.010	0
0.10	0	0			
SS00198-SS00199	SS00198	SS00199	247.0	0.010	0
0.13	0	0			
SS00199-SS00200	SS00199	SS00200	178.0	0.010	0
0.05	0	0			
SS00200-SS00194	SS00200	SS00194	260.8	0.010	0
0.12	0	0			
SS00201-SS00200	SS00201	SS00200	268.6	0.010	0
0.20	0	0			
SS00202-SS00201	SS00202	SS00201	270.1	0.010	0
0.27	0	0			
SS00203E-SS00202	SS00203E	SS00202	423.8	0.010	0
0.20	0	0			
SS00203N-SS00204	SS00203N	SS00204	270.0	0.010	0
0.32	0	0			
SS00204-SS00198	SS00204	SS00198	270.6	0.010	0
0.06	0	0			
SS00205-SS00204	SS00205	SS00204	154.8	0.010	0
0.19	0	0			
SS00206-SS00207	SS00206	SS00207	305.0	0.010	0
0.07	0	0			
SS00207-SS00208	SS00207	SS00208	255.7	0.010	0
0.33	0	0			
SS00208-SS00209	SS00208	SS00209	262.4	0.010	0
0.24	0	0			
SS00209-SS00210	SS00209	SS00210	269.0	0.010	0
0.25	0	0			
SS00210-SS00211	SS00210	SS00211	271.6	0.010	0
0.27	0	0			
SS00211-SS00212	SS00211	SS00212	325.4	0.010	0
0.21	0	0			
SS00212-SS00222	SS00212	SS00222	323.5	0.010	0
0.57	0	0			
SS00213-SS00247	SS00213	SS00247	196.3	0.010	0
0.30	0	0			
SS00214-SS00222	SS00214	SS00222	268.5	0.010	0

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0.21       0          0
SS00215-SS00214  SS00215          SS00214          386.2      0.010      0
0.09       0          0
SS00216-SS00215  SS00216          SS00215          249.2      0.010      0
0.02       0          0
SS00217-SS00218  SS00217          SS00218          308.0      0.010      0
0.19       0          0
SS00218-SS00209  SS00218          SS00209          254.8      0.010      0
0.26       0          0
SS00219-SS00210  SS00219          SS00210          255.4      0.010      0
0.35       0          0
SS00220-SS00219  SS00220          SS00219          306.2      0.010      0
0.17       0          0
SS00221-SS00210  SS00221          SS00210          133.0      0.010      0
0.2        0          0
SS00222-SS00213  SS00222          SS00213          203.7      0.010      0
0.18       0          0
SS00223-SS00224  SS00223          SS00224          369.2      0.010      0
0.00       0          0
SS00224-SS00225  SS00224          SS00225          12.3       0.010      0.04
0.06       0          0
SS00225-SS00226  SS00225          SS00226          244.2      0.010      0
0.17       0          0
SS00226-SS00234  SS00226          SS00234          285.3      0.010      0
0.29       0          0
SS00227-SS00226  SS00227          SS00226          401.4      0.010      0
0.23       0          0
SS00228-SS00229  SS00228          SS00229          126.1      0.010      0
0.37       0          0
SS00229-SS00230  SS00229          SS00230          399.2      0.010      0
0.16       0          0
SS00230-SS00231  SS00230          SS00231          299.9      0.010      0
0.00       0          0
SS00231-SS00232  SS00231          SS00232          351.2      0.010      0
0.21       0          0
SS00232-LS00001  SS00232          LS00001          40.6       0.010      0
0          0          0
SS00233-SS00232  SS00233          SS00232          294.3      0.010      0
0.04       0          0
SS00234-SS00233  SS00234          SS00233          399.6      0.010      0
0.13       0          0
SS00235-SS00236  SS00235          SS00236          293.4      0.010      0
0.30       0          0
SS00236-SS00237  SS00236          SS00237          295.4      0.010      0
0.40       0          0
SS00237-SS00238  SS00237          SS00238          398.3      0.010      0
0.34       0          0
SS00238-SS00239  SS00238          SS00239          242.1      0.010      0
0.40       0          0
SS00239-LS00001  SS00239          LS00001          323.7      0.010      0
0          0          0
SS00240-SS00292  SS00240          SS00292          230.2      0.010      0
0.21       0          0
SS00241-SS00240  SS00241          SS00240          86.5       0.010      0.07
7.99       0          0
SS00242-SS00241  SS00242          SS00241          232.6      0.010      0
0.00       0          0
SS00243-SS00244  SS00243          SS00244          304.3      0.010      0
0.17       0          0
SS00244-SS00245  SS00244          SS00245          292.4      0.010      0
0.14       0          0
SS00245-SS00246  SS00245          SS00246          408.3      0.010      0
0.26       0          0
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SS00246-SS00213	SS00246	SS00213	426.8	0.010	0	
0.12	0	0				
SS00247-SS00252	SS00247	SS00252	390.1	0.010	0	
0.21	0	0				
SS00248-SS00247	SS00248	SS00247	400.1	0.010	0	
0.57	0	0				
SS00249-SS00248	SS00249	SS00248	386.3	0.010	0	
0.30	0	0				
SS00250-SS00249	SS00250	SS00249	384.6	0.010	0	
0.14	0	0				
SS00251-SS00250	SS00251	SS00250	281.2	0.010	0	
0.01	0	0				
SS00252-SS00253	SS00252	SS00253	386.3	0.010	0	
0.34	0	0				
SS00253-SS00254	SS00253	SS00254	350.4	0.010	0	
0.57	0	0				
SS00254-SS00256	SS00254	SS00256	381.7	0.010	0	
0.63	0	0				
SS00255-SS00254	SS00255	SS00254	399.0	0.010	0	
4.02	0	0				
SS00256-SS00270	SS00256	SS00270	378.8	0.010	0	
0.18	0	0				
SS00257-SS00256	SS00257	SS00256	416.8	0.010	0	
2.52	0	0				
SS00258-SS00257	SS00258	SS00257	378.8	0.010	0	
0.40	0	0				
SS00259-SS00258	SS00259	SS00258	180.5	0.015	0	
0.52	0	0				
SS00260-SS00259	SS00260	SS00259	300.0	0.015	0	
0.26	0	0				
SS00261-SS00260	SS00261	SS00260	300.3	0.015	0	
0.18	0	0				
SS00262-SS00261	SS00262	SS00261	258.8	0.015	0	
0.12	0	0				
SS00263-SS00256	SS00263	SS00256	349.0	0.015	0.00	
0.65	0	0				
SS00264-SS00263	SS00264	SS00263	400.2	0.015	0	
0.25	0	0				
SS00265-SS00264	SS00265	SS00264	210.1	0.015	0	
0.16	0	0				
SS00266-SS00267	SS00266	SS00267	273.9	0.015	0	
0.00	0	0				
SS00267-SS00268	SS00267	SS00268	109.9	0.010	0	
0.15	0	0				
SS00268-SS00269	SS00268	SS00269	287.0	0.010	0	
0.22	0	0				
SS00269-SS00270	SS00269	SS00270	345.3	0.010	0	
0.20	0	0				
SS00270-SS00271	SS00270	SS00271	42.5	0.010	0	
0.24	0	0				
SS00271-SS00277	SS00271	SS00277	330.0	0.010	0	
0.02	0	0				
SS00272-SS00273	SS00272	SS00273	275.1	0.015	0	
0.00	0	0				
SS00273-SS00274	SS00273	SS00274	382.5	0.015	0.29	
2.55	0	0				
SS00274-SS00275	SS00274	SS00275	136.1	0.010	0	
0.33	0	0				
SS00275-SS00303	SS00275	SS00303	342.0	0.010	0	
0.46	0	0				
SS00276-SS00274	SS00276	SS00274	247.3	0.010	0.00	
0.25	0	0				
SS00277-SS00276	SS00277	SS00276	129.1	0.010	0	

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0.27       0          0
SS00278-SS00277  SS00278          SS00277          409.1      0.010      0
0.15       0          0
SS00279-SS00278  SS00279          SS00278          357.8      0.015      0.02
0.27       0          0
SS00280-SS00279  SS00280          SS00279          175.2      0.015      0.04
0.00       0          0
SS00281-SS00280  SS00281          SS00280          317.8      0.015      0
0.00       0          0
SS00282-SS00001  SS00282          SS00001          211.6      0.010      0
0.06       0          0
SS00283-SS00123  SS00283          SS00123          138.2      0.010      0
0.20       0          0
SS00284-SS00124  SS00284          SS00124          260.2      0.010      0
0.29       0          0
SS00285-WWTF00001 SS00285          WWTF00001        99.7       0.010      0
0.00       0          0
SS00286-SS00287  SS00286          SS00287          258.8      0.010      0
0.14       0          0
SS00287-SS00288  SS00287          SS00288          381.9      0.010      0
0.22       0          0
SS00288-SS00289  SS00288          SS00289          391.2      0.010      0
0.22       0          0
SS00289-SS00290  SS00289          SS00290          97.7       0.010      0
0.01       0          0
SS00290-SS00291  SS00290          SS00291          399.1      0.010      0
0.08       0          0
SS00291-SS00047  SS00291          SS00047          229.3      0.010      0
0.11       0          0
SS00292-SS00293  SS00292          SS00293          343.7      0.010      0
0.15       0          0
SS00293-SS00294  SS00293          SS00294          348.9      0.010      0
0.04       0          0
SS00294-SS00295  SS00294          SS00295          383.9      0.010      0
0.06       0          0
SS00295-SS00182  SS00295          SS00182          388.3      0.010      0
0.37       0          0
SS00296-SS00297  SS00296          SS00297          148.7      0.010      0
0.13       0          0
SS00297-SS00298  SS00297          SS00298          225.3      0.010      0
0.08       0          0
SS00298-SS00299  SS00298          SS00299          418.3      0.010      0
0.33       0          0
SS00299-SS00300  SS00299          SS00300          418.2      0.010      0
0.01       0          0
SS00300-SS00301  SS00300          SS00301          219.8      0.010      0
0.26       0          0
SS00301-SS00302  SS00301          SS00302          368.5      0.010      0
0.22       0          0
SS00302-SS00311  SS00302          SS00311          212.2      0.010      0
0.13       0          0
SS00303-SS00317  SS00303          SS00317          260.69     0.010      0
5.71       0          0
SS00304-SS00305  SS00304          SS00305          246.2      0.010      0
0.09       0          0
SS00305-SS00306  SS00305          SS00306          371.2      0.010      0
0.19       0          0
SS00306-SS00307  SS00306          SS00307          403.7      0.010      0
0.01       0          0
SS00307-SS00308  SS00307          SS00308          408.4      0.010      0
0.09       0          0
SS00308-SS00309  SS00308          SS00309          211.3      0.010      0
0.40       0          0
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SS00309-SS00310  SS00309          SS00310          179.8      0.010      0
0.11       0          0
SS00310-SS00311  SS00310          SS00311          376.6      0.010      0
0.22       0          0
SS00311-SS00312  SS00311          SS00312          220.2      0.010      0
0.13       0          0
SS00312-SS00313  SS00312          SS00313          399.7      0.01       0
0.07       0          0
SS00313-SS00314  SS00313          SS00314          348.9      0.01       0
0.00       0          0
SS00314-SS00315  SS00314          SS00315          402.6      0.01       0
0.55       0          0
SS00315-SS00111  SS00315          SS00111          689.3      0.01       0
0.11       0          0
SSC00001-SS00255 SSC00001         SS00255          222.0      0.01       0
0.16       0          0
SSC00002-SS00265 SSC00002         SS00265          315.4      0.015      0
0.05       0          0
SSC00003-SS00264 SSC00003         SS00264          289.6      0.015      0
0.08       0          0
SSC00004-SS00225 SSC00004         SS00225          172.5      0.01       0
0.02       0          0
SSC00005-SS00244 SSC00005         SS00244          178.9      0.01       0
0.19       0          0
SSC00006-SS00231 SSC00006         SS00231          51.2       0.01       0
0.23       0          0
SSC00007-SS00015 SSC00007         SS00015          130.5      0.01       0
0.05       0          0
SS00203N-SSS00203E SS00203N         SS00203E         1          0.010      0.1
 0          0          0
SS00316-SS00046  SS00316          SS00046          284.94     0.01       0
0.11       0          0
SS00317-SS00304  SS00317          SS00304          149.03     0.01       0
0.36       0          0
Future_8inch_Pipe LS00001          SS00163          1705.75    0.016      0
0          0          0

[XSECTIONS]
;;Link           Shape        Geom1            Geom2      Geom3      Geom4
Barrels    Culvert
;;-------------- ------------ ---------------- ---------- ---------- ----------
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SS00001-SS00002  CIRCULAR     1.000            0          0          0          1

SS00002-SS00003  CIRCULAR     1.000            0          0          0          1

SS00003-SS00004  CIRCULAR     1.000            0          0          0          1

SS00004-SS00005  CIRCULAR     1.000            0          0          0          1

SS00005-SS00006  CIRCULAR     1.000            0          0          0          1

SS00006-SS00007  CIRCULAR     1.000            0          0          0          1

SS00007-SS00008  CIRCULAR     1.000            0          0          0          1

SS00008-SS00009  CIRCULAR     1.000            0          0          0          1

SS00009-SS00012  CIRCULAR     1.000            0          0          0          1

SS00010-SS00009  CIRCULAR     1.000            0          0          0          1

SS00011-SS00010  CIRCULAR     1.000            0          0          0          1
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SS00012-SS00013	CIRCULAR	1.000	0	0	0	1
SS00013-SS00014	CIRCULAR	1.000	0	0	0	1
SS00014-SS00015	CIRCULAR	1.000	0	0	0	1
SS00015-SS00016	CIRCULAR	1.000	0	0	0	1
SS00016-SS00017	CIRCULAR	1.000	0	0	0	1
SS00017-SS00032	CIRCULAR	1.000	0	0	0	1
SS00018-SS00017	CIRCULAR	0.667	0	0	0	1
SS00019-SS00020	CIRCULAR	0.667	0	0	0	1
SS00020-SS00021	CIRCULAR	0.667	0	0	0	1
SS00021-SS00022	CIRCULAR	0.667	0	0	0	1
SS00022-SS00023	CIRCULAR	0.667	0	0	0	1
SS00023-SS00024	CIRCULAR	0.667	0	0	0	1
SS00024-SS00025	CIRCULAR	0.833	0	0	0	1
SS00025-SS00026	CIRCULAR	0.833	0	0	0	1
SS00026-SS00027	CIRCULAR	0.833	0	0	0	1
SS00027-SS00028	CIRCULAR	0.833	0	0	0	1
SS00028-SS00029	CIRCULAR	0.833	0	0	0	1
SS00029-SS00286	CIRCULAR	1.000	0	0	0	1
SS00030-SS00029	CIRCULAR	1.000	0	0	0	1
SS00031-SS00030	CIRCULAR	1.000	0	0	0	1
SS00032-SS00031	CIRCULAR	1.000	0	0	0	1
SS00033-SS00034	CIRCULAR	0.833	0	0	0	1
SS00034-SS00035	CIRCULAR	0.833	0	0	0	1
SS00035-SS00036	CIRCULAR	0.833	0	0	0	1
SS00036-SS00037	CIRCULAR	0.833	0	0	0	1
SS00037-SS00038	CIRCULAR	0.833	0	0	0	1
SS00038-SS00039	CIRCULAR	0.833	0	0	0	1
SS00039-SS00040	CIRCULAR	0.833	0	0	0	1
SS00040-SS00041	CIRCULAR	0.833	0	0	0	1
SS00041-SS00029	CIRCULAR	0.833	0	0	0	1
SS00042-SS00043	CIRCULAR	0.667	0	0	0	1

SS00043-SS00044	CIRCULAR	0.667	0	0	0	1
SS00044-SS00045	CIRCULAR	0.667	0	0	0	1
SS00045-SS00316	CIRCULAR	0.667	0	0	0	1
SS00046-SS00049	CIRCULAR	0.667	0	0	0	1
SS00047-SS00048	CIRCULAR	0.833	0	0	0	1
SS00048-SS00049	CIRCULAR	0.833	0	0	0	1
SS00049-SS00050	CIRCULAR	0.833	0	0	0	1
SS00050-SS00051	CIRCULAR	0.833	0	0	0	1
SS00051-SS00052	CIRCULAR	0.833	0	0	0	1
SS00052-SS00060	CIRCULAR	0.833	0	0	0	1
SS00053-SS00242	CIRCULAR	1.250	0	0	0	1
SS00054-SS00053	CIRCULAR	1.000	0	0	0	1
SS00055-SS00054	CIRCULAR	1.000	0	0	0	1
SS00056-SS00055	CIRCULAR	1.000	0	0	0	1
SS00057-SS00056	CIRCULAR	1.000	0	0	0	1
SS00058-SS00057	CIRCULAR	1.000	0	0	0	1
SS00059-SS00058	CIRCULAR	1.000	0	0	0	1
SS00060-SS00059	CIRCULAR	1.000	0	0	0	1
SS00061-SS00062	CIRCULAR	0.833	0	0	0	1
SS00062-SS00063	CIRCULAR	0.833	0	0	0	1
SS00063-SS00064	CIRCULAR	0.833	0	0	0	1
SS00064-SS00065	CIRCULAR	0.833	0	0	0	1
SS00065-SS00112	CIRCULAR	0.667	0	0	0	1
SS00066-SS00067	CIRCULAR	0.667	0	0	0	1
SS00067-SS00068	CIRCULAR	0.667	0	0	0	1
SS00068-SS00069	CIRCULAR	0.667	0	0	0	1
SS00069-SS00076	CIRCULAR	0.667	0	0	0	1
SS00070-SS00073	CIRCULAR	0.667	0	0	0	1
SS00071-SS00072	CIRCULAR	0.667	0	0	0	1
SS00072-SS00073	CIRCULAR	0.667	0	0	0	1
SS00073-SS00074	CIRCULAR	0.667	0	0	0	1
SS00074-SS00075	CIRCULAR	0.667	0	0	0	1

SS00075-SS00076	CIRCULAR	0.667	0	0	0	1
SS00076-SS00077	CIRCULAR	0.667	0	0	0	1
SS00077-SS00078	CIRCULAR	0.667	0	0	0	1
SS00078-SS00079	CIRCULAR	0.667	0	0	0	1
SS00079-SS00081	CIRCULAR	0.667	0	0	0	1
SS00080-SS00079	CIRCULAR	0.667	0	0	0	1
SS00081-SS00082	CIRCULAR	0.667	0	0	0	1
SS00082-SS00083	CIRCULAR	0.667	0	0	0	1
SS00083-SS00086	CIRCULAR	0.667	0	0	0	1
SS00084-SS00085	CIRCULAR	0.667	0	0	0	1
SS00085-SS00087	CIRCULAR	0.667	0	0	0	1
SS00086-SS00085	CIRCULAR	0.667	0	0	0	1
SS00087-SS00088	CIRCULAR	0.667	0	0	0	1
SS00088-SS00099	CIRCULAR	0.667	0	0	0	1
SS00089-SS00090	CIRCULAR	0.667	0	0	0	1
SS00090-SS00091	CIRCULAR	0.667	0	0	0	1
SS00091-SS00092	CIRCULAR	0.667	0	0	0	1
SS00092-SS00093	CIRCULAR	0.667	0	0	0	1
SS00093-SS00094	CIRCULAR	0.667	0	0	0	1
SS00094-SS00095	CIRCULAR	0.667	0	0	0	1
SS00095-SS00097	CIRCULAR	0.667	0	0	0	1
SS00096-SS00095	CIRCULAR	0.667	0	0	0	1
SS00097-SS00098	CIRCULAR	0.667	0	0	0	1
SS00098-SS00099	CIRCULAR	0.667	0	0	0	1
SS00099-SS00100	CIRCULAR	0.833	0	0	0	1
SS00100-SS00101	CIRCULAR	0.833	0	0	0	1
SS00101-SS00053	CIRCULAR	0.667	0	0	0	1
SS00102-SS00285	CIRCULAR	1.750	0	0	0	1
SS00103-SS00102	CIRCULAR	1.750	0	0	0	1
SS00104-SS00103	CIRCULAR	1.750	0	0	0	1
SS00105-SS00104	CIRCULAR	1.750	0	0	0	1

SS00106-SS00105	CIRCULAR	1.750	0	0	0	1
SS00107-SS00106	CIRCULAR	1.750	0	0	0	1
SS00108-SS00107	CIRCULAR	1.750	0	0	0	1
SS00109-SS00108	CIRCULAR	1.750	0	0	0	1
SS00110-SS00109	CIRCULAR	1.750	0	0	0	1
SS00111-SS00110	CIRCULAR	2.500	0	0	0	1
SS00112-SS00113	CIRCULAR	0.667	0	0	0	1
SS00113-SS00114	CIRCULAR	0.667	0	0	0	1
SS00114-SS00115	CIRCULAR	0.667	0	0	0	1
SS00115-SS00116	CIRCULAR	0.667	0	0	0	1
SS00116-SS00117	CIRCULAR	0.667	0	0	0	1
SS00117-SS00118	CIRCULAR	0.667	0	0	0	1
SS00118-SS00119	CIRCULAR	0.667	0	0	0	1
SS00119-SS00120	CIRCULAR	0.667	0	0	0	1
SS00120-SS00121	CIRCULAR	0.667	0	0	0	1
SS00121-SS00122	CIRCULAR	0.667	0	0	0	1
SS00122-SS00123	CIRCULAR	0.667	0	0	0	1
SS00123-SS00183	CIRCULAR	0.833	0	0	0	1
SS00124-SS00123	CIRCULAR	0.667	0	0	0	1
SS00125-SS00284	CIRCULAR	0.667	0	0	0	1
SS00126-SS00125	CIRCULAR	0.667	0	0	0	1
SS00127-SS00126	CIRCULAR	0.667	0	0	0	1
SS00128-SS00127	CIRCULAR	0.667	0	0	0	1
SS00129-SS00128	CIRCULAR	0.667	0	0	0	1
SS00130-SS00129	CIRCULAR	0.667	0	0	0	1
SS00131-SS00130	CIRCULAR	0.667	0	0	0	1
SS00132-SS00131	CIRCULAR	0.667	0	0	0	1
SS00133-SS00126	CIRCULAR	0.667	0	0	0	1
SS00134-SS00133	CIRCULAR	0.667	0	0	0	1
SS00135-SS00134	CIRCULAR	0.667	0	0	0	1
SS00136-SS00135	CIRCULAR	0.667	0	0	0	1
SS00137-SS00284	CIRCULAR	0.667	0	0	0	1

SS00138-SS00139	CIRCULAR	0.667	0	0	0	1
SS00139-SS00140	CIRCULAR	0.667	0	0	0	1
SS00140-SS00141	CIRCULAR	0.667	0	0	0	1
SS00141-SS00142	CIRCULAR	0.667	0	0	0	1
SS00142-SS00143	CIRCULAR	0.667	0	0	0	1
SS00143-SS00144	CIRCULAR	0.667	0	0	0	1
SS00144-SS00120	CIRCULAR	0.667	0	0	0	1
SS00145-SS00152	CIRCULAR	0.667	0	0	0	1
SS00146-SS00147	CIRCULAR	0.667	0	0	0	1
SS00147-SS00148	CIRCULAR	0.667	0	0	0	1
SS00148-SS00149	CIRCULAR	0.667	0	0	0	1
SS00149-SS00150	CIRCULAR	0.667	0	0	0	1
SS00150-SS00161	CIRCULAR	0.833	0	0	0	1
SS00151-SS00150	CIRCULAR	0.667	0	0	0	1
SS00152-SS00151	CIRCULAR	0.667	0	0	0	1
SS00153-SS00151	CIRCULAR	0.667	0	0	0	1
SS00154-SS00153	CIRCULAR	0.667	0	0	0	1
SS00155-SS00154	CIRCULAR	0.667	0	0	0	1
SS00156-SS00157	CIRCULAR	0.667	0	0	0	1
SS00157-SS00158	CIRCULAR	0.667	0	0	0	1
SS00158-SS00154	CIRCULAR	0.667	0	0	0	1
SS00159-SS00154	CIRCULAR	0.667	0	0	0	1
SS00160-SS00159	CIRCULAR	0.667	0	0	0	1
SS00161-SS00162	CIRCULAR	0.833	0	0	0	1
SS00162-SS00184	CIRCULAR	0.833	0	0	0	1
SS00163-SS00164	CIRCULAR	0.667	0	0	0	1
SS00164-SS00165	CIRCULAR	0.667	0	0	0	1
SS00165-SS00166	CIRCULAR	0.667	0	0	0	1
SS00166-SS00167	CIRCULAR	0.667	0	0	0	1
SS00167-SS00168	CIRCULAR	0.667	0	0	0	1
SS00168-SS00169	CIRCULAR	0.667	0	0	0	1

SS00169-SS00170	CIRCULAR	0.667	0	0	0	1
SS00170-SS00173	CIRCULAR	0.667	0	0	0	1
SS00171-SS00170	CIRCULAR	0.667	0	0	0	1
SS00172-SS00171	CIRCULAR	0.667	0	0	0	1
SS00173-SS00179	CIRCULAR	0.667	0	0	0	1
SS00174-SS00172	CIRCULAR	0.667	0	0	0	1
SS00175-SS00174	CIRCULAR	0.667	0	0	0	1
SS00176-SS00175	CIRCULAR	0.667	0	0	0	1
SS00177-SS00176	CIRCULAR	0.667	0	0	0	1
SS00178-SS00176	CIRCULAR	0.667	0	0	0	1
SS00179-SS00180	CIRCULAR	2.000	0	0	0	1
SS00180-SS00296	CIRCULAR	1.250	0	0	0	1
SS00181-SS00179	CIRCULAR	2.000	0	0	0	1
SS00182-SS00181	CIRCULAR	2.000	0	0	0	1
SS00183-SS00182	CIRCULAR	0.833	0	0	0	1
SS00184-SS00183	CIRCULAR	0.833	0	0	0	1
SS00185-SS00186	CIRCULAR	0.667	0	0	0	1
SS00186-SS00187	CIRCULAR	0.667	0	0	0	1
SS00187-SS00188	CIRCULAR	0.667	0	0	0	1
SS00188-SS00189	CIRCULAR	0.667	0	0	0	1
SS00189-SS00190	CIRCULAR	0.667	0	0	0	1
SS00190-SS00191	CIRCULAR	0.667	0	0	0	1
SS00191-SS00214	CIRCULAR	0.667	0	0	0	1
SS00192-SS00191	CIRCULAR	0.667	0	0	0	1
SS00193-SS00192	CIRCULAR	0.667	0	0	0	1
SS00194-SS00193	CIRCULAR	0.667	0	0	0	1
SS00195-SS00194	CIRCULAR	0.667	0	0	0	1
SS00196-SS00195	CIRCULAR	0.667	0	0	0	1
SS00197-SS00198	CIRCULAR	0.667	0	0	0	1
SS00198-SS00199	CIRCULAR	0.667	0	0	0	1
SS00199-SS00200	CIRCULAR	0.667	0	0	0	1
SS00200-SS00194	CIRCULAR	0.667	0	0	0	1

SS00201-SS00200	CIRCULAR	0.667	0	0	0	1
SS00202-SS00201	CIRCULAR	0.667	0	0	0	1
SS00203E-SS00202	CIRCULAR	0.667	0	0	0	1
SS00203N-SS00204	CIRCULAR	0.667	0	0	0	1
SS00204-SS00198	CIRCULAR	0.667	0	0	0	1
SS00205-SS00204	CIRCULAR	0.667	0	0	0	1
SS00206-SS00207	CIRCULAR	0.667	0	0	0	1
SS00207-SS00208	CIRCULAR	0.667	0	0	0	1
SS00208-SS00209	CIRCULAR	0.667	0	0	0	1
SS00209-SS00210	CIRCULAR	0.667	0	0	0	1
SS00210-SS00211	CIRCULAR	0.667	0	0	0	1
SS00211-SS00212	CIRCULAR	0.833	0	0	0	1
SS00212-SS00222	CIRCULAR	0.833	0	0	0	1
SS00213-SS00247	CIRCULAR	1.000	0	0	0	1
SS00214-SS00222	CIRCULAR	1.000	0	0	0	1
SS00215-SS00214	CIRCULAR	1.000	0	0	0	1
SS00216-SS00215	CIRCULAR	1.000	0	0	0	1
SS00217-SS00218	CIRCULAR	0.667	0	0	0	1
SS00218-SS00209	CIRCULAR	0.667	0	0	0	1
SS00219-SS00210	CIRCULAR	0.667	0	0	0	1
SS00220-SS00219	CIRCULAR	0.667	0	0	0	1
SS00221-SS00210	CIRCULAR	0.667	0	0	0	1
SS00222-SS00213	CIRCULAR	1.000	0	0	0	1
SS00223-SS00224	CIRCULAR	0.667	0	0	0	1
SS00224-SS00225	CIRCULAR	0.667	0	0	0	1
SS00225-SS00226	CIRCULAR	0.667	0	0	0	1
SS00226-SS00234	CIRCULAR	0.667	0	0	0	1
SS00227-SS00226	CIRCULAR	0.667	0	0	0	1
SS00228-SS00229	CIRCULAR	0.667	0	0	0	1
SS00229-SS00230	CIRCULAR	0.667	0	0	0	1
SS00230-SS00231	CIRCULAR	0.667	0	0	0	1

SS00231-SS00232	CIRCULAR	0.667	0	0	0	1
SS00232-LS00001	CIRCULAR	0.667	0	0	0	1
SS00233-SS00232	CIRCULAR	0.667	0	0	0	1
SS00234-SS00233	CIRCULAR	0.667	0	0	0	1
SS00235-SS00236	CIRCULAR	0.667	0	0	0	1
SS00236-SS00237	CIRCULAR	0.667	0	0	0	1
SS00237-SS00238	CIRCULAR	0.667	0	0	0	1
SS00238-SS00239	CIRCULAR	0.667	0	0	0	1
SS00239-LS00001	CIRCULAR	0.667	0	0	0	1
SS00240-SS00292	CIRCULAR	1.500	0	0	0	1
SS00241-SS00240	CIRCULAR	1.750	0	0	0	1
SS00242-SS00241	CIRCULAR	1.250	0	0	0	1
SS00243-SS00244	CIRCULAR	0.667	0	0	0	1
SS00244-SS00245	CIRCULAR	0.667	0	0	0	1
SS00245-SS00246	CIRCULAR	0.667	0	0	0	1
SS00246-SS00213	CIRCULAR	0.667	0	0	0	1
SS00247-SS00252	CIRCULAR	1.000	0	0	0	1
SS00248-SS00247	CIRCULAR	0.667	0	0	0	1
SS00249-SS00248	CIRCULAR	0.667	0	0	0	1
SS00250-SS00249	CIRCULAR	0.667	0	0	0	1
SS00251-SS00250	CIRCULAR	0.667	0	0	0	1
SS00252-SS00253	CIRCULAR	1.000	0	0	0	1
SS00253-SS00254	CIRCULAR	1.000	0	0	0	1
SS00254-SS00256	CIRCULAR	1.000	0	0	0	1
SS00255-SS00254	CIRCULAR	0.667	0	0	0	1
SS00256-SS00270	CIRCULAR	1.000	0	0	0	1
SS00257-SS00256	CIRCULAR	0.667	0	0	0	1
SS00258-SS00257	CIRCULAR	0.667	0	0	0	1
SS00259-SS00258	CIRCULAR	0.667	0	0	0	1
SS00260-SS00259	CIRCULAR	0.667	0	0	0	1
SS00261-SS00260	CIRCULAR	0.667	0	0	0	1
SS00262-SS00261	CIRCULAR	0.667	0	0	0	1

SS00263-SS00256	CIRCULAR	0.667	0	0	0	1
SS00264-SS00263	CIRCULAR	0.667	0	0	0	1
SS00265-SS00264	CIRCULAR	0.500	0	0	0	1
SS00266-SS00267	CIRCULAR	0.500	0	0	0	1
SS00267-SS00268	CIRCULAR	0.500	0	0	0	1
SS00268-SS00269	CIRCULAR	0.667	0	0	0	1
SS00269-SS00270	CIRCULAR	0.667	0	0	0	1
SS00270-SS00271	CIRCULAR	1.000	0	0	0	1
SS00271-SS00277	CIRCULAR	1.000	0	0	0	1
SS00272-SS00273	CIRCULAR	0.667	0	0	0	1
SS00273-SS00274	CIRCULAR	0.667	0	0	0	1
SS00274-SS00275	CIRCULAR	1.000	0	0	0	1
SS00275-SS00303	CIRCULAR	1.000	0	0	0	1
SS00276-SS00274	CIRCULAR	1.000	0	0	0	1
SS00277-SS00276	CIRCULAR	1.000	0	0	0	1
SS00278-SS00277	CIRCULAR	0.667	0	0	0	1
SS00279-SS00278	CIRCULAR	0.667	0	0	0	1
SS00280-SS00279	CIRCULAR	0.667	0	0	0	1
SS00281-SS00280	CIRCULAR	0.667	0	0	0	1
SS00282-SS00001	CIRCULAR	0.667	0	0	0	1
SS00283-SS00123	CIRCULAR	0.667	0	0	0	1
SS00284-SS00124	CIRCULAR	0.667	0	0	0	1
SS00285-WWTF00001	CIRCULAR	1.750	0	0	0	1
SS00286-SS00287	CIRCULAR	0.667	0	0	0	1
SS00287-SS00288	CIRCULAR	0.667	0	0	0	1
SS00288-SS00289	CIRCULAR	0.667	0	0	0	1
SS00289-SS00290	CIRCULAR	0.667	0	0	0	1
SS00290-SS00291	CIRCULAR	0.667	0	0	0	1
SS00291-SS00047	CIRCULAR	0.667	0	0	0	1
SS00292-SS00293	CIRCULAR	1.500	0	0	0	1
SS00293-SS00294	CIRCULAR	1.500	0	0	0	1

SS00294-SS00295	CIRCULAR	1.500	0	0	0	1
SS00295-SS00182	CIRCULAR	1.500	0	0	0	1
SS00296-SS00297	CIRCULAR	1.250	0	0	0	1
SS00297-SS00298	CIRCULAR	1.250	0	0	0	1
SS00298-SS00299	CIRCULAR	1.250	0	0	0	1
SS00299-SS00300	CIRCULAR	1.250	0	0	0	1
SS00300-SS00301	CIRCULAR	1.250	0	0	0	1
SS00301-SS00302	CIRCULAR	1.250	0	0	0	1
SS00302-SS00311	CIRCULAR	1.250	0	0	0	1
SS00303-SS00317	CIRCULAR	1.000	0	0	0	1
SS00304-SS00305	CIRCULAR	1.250	0	0	0	1
SS00305-SS00306	CIRCULAR	1.250	0	0	0	1
SS00306-SS00307	CIRCULAR	1.250	0	0	0	1
SS00307-SS00308	CIRCULAR	1.250	0	0	0	1
SS00308-SS00309	CIRCULAR	1.250	0	0	0	1
SS00309-SS00310	CIRCULAR	1.250	0	0	0	1
SS00310-SS00311	CIRCULAR	1.250	0	0	0	1
SS00311-SS00312	CIRCULAR	1.750	0	0	0	1
SS00312-SS00313	CIRCULAR	1.750	0	0	0	1
SS00313-SS00314	CIRCULAR	1.750	0	0	0	1
SS00314-SS00315	CIRCULAR	1.750	0	0	0	1
SS00315-SS00111	CIRCULAR	2.500	0	0	0	1
SSC00001-SS00255	CIRCULAR	0.500	0	0	0	1
SSC00002-SS00265	CIRCULAR	0.500	0	0	0	1
SSC00003-SS00264	CIRCULAR	0.667	0	0	0	1
SSC00004-SS00225	CIRCULAR	0.333	0	0	0	1
SSC00005-SS00244	CIRCULAR	0.667	0	0	0	1
SSC00006-SS00231	CIRCULAR	0.667	0	0	0	1
SSC00007-SS00015	CIRCULAR	0.833	0	0	0	1
SS00203N-SSS00203E	CIRCULAR	1	0	0	0	1
SS00316-SS00046	CIRCULAR	0.667	0	0	0	1
SS00317-SS00304	CIRCULAR	1	0	0	0	1

Future_8inch_Pipe CIRCULAR 0.667 0 0 0 1

[INFLOWS]

;;Node	Constituent	Time Series	Type	Mfactor	Sfactor	Baseline Pattern
SS00001	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.105	
SS00002	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.105	
SS00003	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.210	
SS00004	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.629	
SS00005	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	1.362	
SS00006	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.419	
SS00007	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.314	
SS00009	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.524	
SS00010	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.838	
SS00011	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.943	
SS00012	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.210	
SS00013	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.105	
SS00014	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.419	
SS00015	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.105	
SS00016	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.524	
SS00017	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.210	
SS00018	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.629	
SS00019	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.524	
SS00020	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.210	
SS00022	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.419	
SS00023	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.629	
SS00024	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	1.048	
SS00026	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	1.362	
SS00027	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.524	
SS00028	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.419	
SS00030	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.524	
SS00031	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.314	

SS00032	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.314
SS00033	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.419
SS00034	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.524
SS00035	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	1.153
SS00036	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	1.048
SS00037	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.419
SS00038	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.419
SS00039	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.314
SS00040	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.314
SS00041	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.210
SS00042	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.314
SS00043	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.314
SS00044	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.210
SS00046	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.105
SS00047	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.314
SS00048	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.105
SS00050	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.210
SS00051	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.105
SS00052	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.105
SS00055	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.210
SS00056	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.105
SS00057	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.210
SS00058	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.105
SS00059	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.210
SS00060	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.210
SS00061	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.314
SS00062	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.210
SS00063	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.105
SS00064	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.210
SS00066	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.315
SS00067	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.210
SS00068	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.210

SS00069		FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.105
SS00070		FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.105
SS00071		FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.314
SS00072		FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.105
SS00074		FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.210
SS00075		FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.105
SS00076		FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.105
SS00077		FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.105
SS00079		FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.105
SS00080		FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.419
SS00081		FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.210
SS00083		FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.210
SS00084		FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.419
SS00085		FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.105
SS00087		FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.105
SS00089		FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.210
SS00090		FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.105
SS00091		FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.210
SS00092		FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.210
SS00093		FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.210
SS00094		FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.105
SS00095		FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.314
SS00096		FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.314
SS00097		FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.210
SS00100		FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.105
SS00102		FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	
36.662	239.13	COMMERCIAL				
SS00113		FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.733
SS00114		FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.524
SS00115		FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.314
SS00116		FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.524
SS00117		FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.210

SS00118	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.105
SS00119	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.210
SS00120	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.105
SS00121	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.105
SS00122	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.419
SS00125	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.629
SS00126	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.524
SS00128	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.105
SS00129	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.210
SS00130	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.105
SS00131	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.105
SS00132	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.419
SS00133	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.210
SS00134	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.210
SS00135	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.210
SS00136	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	1.153
SS00137	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.419
SS00138	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.314
SS00139	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.314
SS00140	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.419
SS00141	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.210
SS00142	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.524
SS00143	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.314
SS00144	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.210
SS00145	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.419
SS00146	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.419
SS00148	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.105
SS00149	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.733
SS00151	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.105
SS00152	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.105
SS00154	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.210
SS00155	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	

SS00156	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.314
SS00157	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.944
SS00158	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.944
SS00159	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.629
SS00160	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.838
SS00163	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	1.048
SS00164	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	1.048
SS00165	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.838
SS00166	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.943
SS00167	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	1.048
SS00168	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	1.048
SS00169	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.524
SS00173	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.105
SS00174	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	1.048
SS00175	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	1.048
SS00176	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	1.048
SS00177	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.210
SS00178	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.314
SS00185	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.838
SS00186	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	1.153
SS00187	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.524
SS00188	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.314
SS00189	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.838
SS00190	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.733
SS00192	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.524
SS00193	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.210
SS00194	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.210
SS00195	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.838
SS00196	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	1.048
SS00197	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.314
SS00198	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.733

SS00199	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.419
SS00200	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.419
SS00201	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.629
SS00202	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.733
SS00203E	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	1.153
SS00203N	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.419
SS00204	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.419
SS00205	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.733
SS00206	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	1.048
SS00207	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.733
SS00208	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.629
SS00209	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.314
SS00210	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.210
SS00211	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.943
SS00212	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.838
SS00214	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.419
SS00215	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.524
SS00216	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.419
SS00217	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	1.048
SS00218	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.629
SS00219	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.629
SS00220	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	1.048
SS00223	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.943
SS00224	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.105
SS00225	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.524
SS00227	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.629
SS00228	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.629
SS00229	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	1.257
SS00230	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.629
SS00231	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.419
SS00232	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.105
SS00233	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.629

SS00234	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	1.572	
SS00235	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	1.048	
SS00236	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.524	
SS00237	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	1.153	
SS00238	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.105	
SS00242	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.105	
SS00243	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.314	
SS00244	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.524	
SS00245	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.524	
SS00246	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.629	
SS00248	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	1.257	
SS00249	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	1.257	
SS00250	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	1.048	
SS00251	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	1.257	
SS00252	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.943	
SS00253	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.943	
SS00255	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	1.048	
SS00256	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.210	
SS00257	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.838	
0.570	COMMERCIAL					
SS00258	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.524	
0.051	COMMERCIAL					
SS00259	FLOW	COMMERCIAL	FLOW	1.0	1.656	
SS00262	FLOW	COMMERCIAL	FLOW	1.0	0.777	
SS00263	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.419	
0.34	COMMERCIAL					
SS00264	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	1.048	
SS00266	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	1.048	
SS00268	FLOW	COMMERCIAL	FLOW	1.0	0.115	
SS00269	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.733	
4.079	COMMERCIAL					
SS00272	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.943	
SS00273	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	1.257	
SS00278	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.419	
SS00279	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.629	

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SS00280          FLOW             COMMERCIAL       FLOW     1.0      0.025

SS00281          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0
65.615   0.064    COMMERCIAL
SS00282          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0
50.280
SS00283          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      0.210

SS00304          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0
28.282
SS00306          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0
13.617
SS00315          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      2.086
   222.13   COMMERCIAL
SS00316          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      0.210

SSC00001         FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      0.733

SSC00002         FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      0.629

SSC00003         FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      0.210

SSC00005         FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      0.210

SSC00006         FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      0.210


[CURVES]
;;Name           Type       X-Value    Y-Value
;;-------------- ---------- ---------- ----------
;LL PUMP
NORTHCREEK_PUMP1 Pump3      44         200
;
;HL PUMP
NORTHCREEK_PUMP2 Pump3      44         200
;
LS00001          Storage    0          28
LS00001                     12         28
;
DischargeHeader  Storage    0          2
DischargeHeader             1          2

[TIMESERIES]
;;Name           Date       Time       Value
;;-------------- ---------- ---------- ----------
;RESIDENTIAL_TYPICAL
RESIDENTIAL_TYPICAL 7/26/2016  0:00       0.65
RESIDENTIAL_TYPICAL 7/26/2016  1:00       0.34
RESIDENTIAL_TYPICAL 7/26/2016  2:00       0.22
RESIDENTIAL_TYPICAL 7/26/2016  3:00       0.2
RESIDENTIAL_TYPICAL 7/26/2016  4:00       0.21
RESIDENTIAL_TYPICAL 7/26/2016  5:00       0.25
RESIDENTIAL_TYPICAL 7/26/2016  6:00       0.6
RESIDENTIAL_TYPICAL 7/26/2016  7:00       1.26
RESIDENTIAL_TYPICAL 7/26/2016  8:00       1.61
RESIDENTIAL_TYPICAL 7/26/2016  9:00       1.68
RESIDENTIAL_TYPICAL 7/26/2016  10:00      1.64
RESIDENTIAL_TYPICAL 7/26/2016  11:00      1.5
RESIDENTIAL_TYPICAL 7/26/2016  12:00      1.34
RESIDENTIAL_TYPICAL 7/26/2016  13:00      1.18
RESIDENTIAL_TYPICAL 7/26/2016  14:00      1.09
RESIDENTIAL_TYPICAL 7/26/2016  15:00      0.99
RESIDENTIAL_TYPICAL 7/26/2016  16:00      1
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RESIDENTIAL_TYPICAL	7/26/2016	17:00	1.08
RESIDENTIAL_TYPICAL	7/26/2016	18:00	1.23
RESIDENTIAL_TYPICAL	7/26/2016	19:00	1.33
RESIDENTIAL_TYPICAL	7/26/2016	20:00	1.31
RESIDENTIAL_TYPICAL	7/26/2016	21:00	1.21
RESIDENTIAL_TYPICAL	7/26/2016	22:00	1.12
RESIDENTIAL_TYPICAL	7/26/2016	23:00	0.94
RESIDENTIAL_TYPICAL	7/27/2016	0:00	0.65
RESIDENTIAL_TYPICAL	7/27/2016	1:00	0.34
RESIDENTIAL_TYPICAL	7/27/2016	2:00	0.22
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RESIDENTIAL_TYPICAL	7/27/2016	4:00	0.21
RESIDENTIAL_TYPICAL	7/27/2016	5:00	0.25
RESIDENTIAL_TYPICAL	7/27/2016	6:00	0.6
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RESIDENTIAL_TYPICAL	7/27/2016	8:00	1.61
RESIDENTIAL_TYPICAL	7/27/2016	9:00	1.68
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RESIDENTIAL_TYPICAL	7/27/2016	15:00	0.99
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RESIDENTIAL_TYPICAL	7/28/2016	16:00	1
RESIDENTIAL_TYPICAL	7/28/2016	17:00	1.08
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RESIDENTIAL_TYPICAL	7/28/2016	23:00	0.94
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RESIDENTIAL_TYPICAL	7/29/2016	1:00	0.34
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RESIDENTIAL_TYPICAL	7/29/2016	4:00	0.21
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RESIDENTIAL_TYPICAL	7/29/2016	6:00	0.6
RESIDENTIAL_TYPICAL	7/29/2016	7:00	1.26

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       RESIDENTIAL_TYPICAL 7/29/2016  15:00      0.99
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       COMMERCIAL          7/26/2016  9:00       1.07
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       COMMERCIAL          7/26/2016  17:00      1.15
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       COMMERCIAL          7/26/2016  19:00      1.17
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       COMMERCIAL          7/26/2016  23:00      1.09
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       COMMERCIAL          7/27/2016  2:00       0.72
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       COMMERCIAL          7/27/2016  4:00       0.58
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       COMMERCIAL          7/27/2016  6:00       0.59
       COMMERCIAL          7/27/2016  7:00       0.77
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COMMERCIAL	7/28/2016	6:00	0.59
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COMMERCIAL	7/29/2016	16:00	1.13
COMMERCIAL	7/29/2016	17:00	1.15
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COMMERCIAL	7/30/2016	11:00	1.24
COMMERCIAL	7/30/2016	12:00	1.24

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       RESIDENTIAL_TYPICAL_ADJUST 7/26/2016  5:00       0.27
       RESIDENTIAL_TYPICAL_ADJUST 7/26/2016  6:00       0.64
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       RESIDENTIAL_TYPICAL_ADJUST 7/26/2016  16:00      1.06
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       RESIDENTIAL_TYPICAL_ADJUST 7/26/2016  18:00      1.31
       RESIDENTIAL_TYPICAL_ADJUST 7/26/2016  19:00      1.42
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       RESIDENTIAL_TYPICAL_ADJUST 7/26/2016  22:00      1.19
       RESIDENTIAL_TYPICAL_ADJUST 7/26/2016  23:00      1.00
       RESIDENTIAL_TYPICAL_ADJUST 7/27/2016  0:00       0.69
       RESIDENTIAL_TYPICAL_ADJUST 7/27/2016  1:00       0.36
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       RESIDENTIAL_TYPICAL_ADJUST 7/27/2016  6:00       0.64
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       RESIDENTIAL_TYPICAL_ADJUST 7/27/2016  14:00      1.16
       RESIDENTIAL_TYPICAL_ADJUST 7/27/2016  15:00      1.05
       RESIDENTIAL_TYPICAL_ADJUST 7/27/2016  16:00      1.06
       RESIDENTIAL_TYPICAL_ADJUST 7/27/2016  17:00      1.15
       RESIDENTIAL_TYPICAL_ADJUST 7/27/2016  18:00      1.31
       RESIDENTIAL_TYPICAL_ADJUST 7/27/2016  19:00      1.42
       RESIDENTIAL_TYPICAL_ADJUST 7/27/2016  20:00      1.39
       RESIDENTIAL_TYPICAL_ADJUST 7/27/2016  21:00      1.29
       RESIDENTIAL_TYPICAL_ADJUST 7/27/2016  22:00      1.19
       RESIDENTIAL_TYPICAL_ADJUST 7/27/2016  23:00      1.00
       RESIDENTIAL_TYPICAL_ADJUST 7/28/2016  0:00       0.69
       RESIDENTIAL_TYPICAL_ADJUST 7/28/2016  1:00       0.36
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RESIDENTIAL_TYPICAL_ADJUST	7/28/2016	2:00	0.23
RESIDENTIAL_TYPICAL_ADJUST	7/28/2016	3:00	0.21
RESIDENTIAL_TYPICAL_ADJUST	7/28/2016	4:00	0.22
RESIDENTIAL_TYPICAL_ADJUST	7/28/2016	5:00	0.27
RESIDENTIAL_TYPICAL_ADJUST	7/28/2016	6:00	0.64
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RESIDENTIAL_TYPICAL_ADJUST	7/28/2016	8:00	1.71
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RESIDENTIAL_TYPICAL_ADJUST	7/28/2016	10:00	1.75
RESIDENTIAL_TYPICAL_ADJUST	7/28/2016	11:00	1.60
RESIDENTIAL_TYPICAL_ADJUST	7/28/2016	12:00	1.43
RESIDENTIAL_TYPICAL_ADJUST	7/28/2016	13:00	1.26
RESIDENTIAL_TYPICAL_ADJUST	7/28/2016	14:00	1.16
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RESIDENTIAL_TYPICAL_ADJUST	7/28/2016	17:00	1.15
RESIDENTIAL_TYPICAL_ADJUST	7/28/2016	18:00	1.31
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RESIDENTIAL_TYPICAL_ADJUST	7/29/2016	3:00	0.21
RESIDENTIAL_TYPICAL_ADJUST	7/29/2016	4:00	0.22
RESIDENTIAL_TYPICAL_ADJUST	7/29/2016	5:00	0.27
RESIDENTIAL_TYPICAL_ADJUST	7/29/2016	6:00	0.64
RESIDENTIAL_TYPICAL_ADJUST	7/29/2016	7:00	1.34
RESIDENTIAL_TYPICAL_ADJUST	7/29/2016	8:00	1.71
RESIDENTIAL_TYPICAL_ADJUST	7/29/2016	9:00	1.79
RESIDENTIAL_TYPICAL_ADJUST	7/29/2016	10:00	1.75
RESIDENTIAL_TYPICAL_ADJUST	7/29/2016	11:00	1.60
RESIDENTIAL_TYPICAL_ADJUST	7/29/2016	12:00	1.43
RESIDENTIAL_TYPICAL_ADJUST	7/29/2016	13:00	1.26
RESIDENTIAL_TYPICAL_ADJUST	7/29/2016	14:00	1.16
RESIDENTIAL_TYPICAL_ADJUST	7/29/2016	15:00	1.05
RESIDENTIAL_TYPICAL_ADJUST	7/29/2016	16:00	1.06
RESIDENTIAL_TYPICAL_ADJUST	7/29/2016	17:00	1.15
RESIDENTIAL_TYPICAL_ADJUST	7/29/2016	18:00	1.31
RESIDENTIAL_TYPICAL_ADJUST	7/29/2016	19:00	1.42
RESIDENTIAL_TYPICAL_ADJUST	7/29/2016	20:00	1.39
RESIDENTIAL_TYPICAL_ADJUST	7/29/2016	21:00	1.29
RESIDENTIAL_TYPICAL_ADJUST	7/29/2016	22:00	1.19
RESIDENTIAL_TYPICAL_ADJUST	7/29/2016	23:00	1.00
RESIDENTIAL_TYPICAL_ADJUST	7/30/2016	0:00	0.69
RESIDENTIAL_TYPICAL_ADJUST	7/30/2016	1:00	0.36
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RESIDENTIAL_TYPICAL_ADJUST	7/30/2016	14:00	1.16
RESIDENTIAL_TYPICAL_ADJUST	7/30/2016	15:00	1.05
RESIDENTIAL_TYPICAL_ADJUST	7/30/2016	16:00	1.06

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RESIDENTIAL_TYPICAL_ADJUST 7/30/2016  17:00      1.15
RESIDENTIAL_TYPICAL_ADJUST 7/30/2016  18:00      1.31
RESIDENTIAL_TYPICAL_ADJUST 7/30/2016  19:00      1.42
RESIDENTIAL_TYPICAL_ADJUST 7/30/2016  20:00      1.39
RESIDENTIAL_TYPICAL_ADJUST 7/30/2016  21:00      1.29
RESIDENTIAL_TYPICAL_ADJUST 7/30/2016  22:00      1.19
RESIDENTIAL_TYPICAL_ADJUST 7/30/2016  23:00      1.00
RESIDENTIAL_TYPICAL_ADJUST 7/31/2016  0:00       0.69

[PATTERNS]
;;Name           Type       Multipliers
;;-------------- ---------- -----------
COMMERCIAL       HOURLY     0.97  0.85  0.72  0.64  0.58  0.55
COMMERCIAL                  0.59  0.77  1.02  1.07  1.15  1.24
COMMERCIAL                  1.24  1.23  1.20  1.16  1.13  1.15
COMMERCIAL                  1.13  1.17  1.20  1.18  1.13  1.09

[REPORT]
;;Reporting Options
INPUT      YES
CONTROLS   NO
SUBCATCHMENTS ALL
NODES ALL
LINKS ALL

[TAGS]

[MAP]
DIMENSIONS 3136802.399 1326972.163 3147872.477 1339460.002
Units      Feet

[COORDINATES]
;;Node           X-Coord            Y-Coord
;;-------------- ------------------ ------------------
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SS00001          3143125.888        1338679.528
SS00002          3143042.173        1338549.046
SS00003          3142918.530        1338433.385
SS00004          3143019.917        1338345.063
SS00005          3143189.951        1338269.528
SS00006          3143492.148        1338008.466
SS00007          3143545.302        1337899.773
SS00008          3143539.807        1337781.002
SS00009          3143481.264        1337649.998
SS00010          3143259.756        1337754.986
SS00011          3143044.522        1337853.242
SS00012          3143621.739        1337585.207
SS00013          3143744.333        1337557.537
SS00014          3143942.049        1337558.514
SS00015          3144063.916        1337516.184
SS00016          3144133.987        1337439.201
SS00017          3144196.204        1337282.472
SS00018          3143990.508        1337238.412
SS00019          3142925.861        1338135.318
SS00020          3142821.075        1338103.726
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SS00022          3142841.491        1337628.863
SS00023          3142980.821        1337596.917
SS00024          3143165.506        1337505.854
SS00025          3143415.290        1337344.138
SS00026          3143663.392        1337182.091
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SS00028          3143969.051        1336844.143
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SS00038	3143743.106	1336567.115
SS00039	3143869.117	1336537.913
SS00040	3143967.702	1336567.287
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SS00045	3143111.834	1336233.563
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SS00047	3144086.960	1335356.578
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SS00225	3137478.047	1331634.884
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       SS00299           3143442.556        1330398.203
       SS00300           3143644.588        1330032.021
       SS00301           3143647.288        1329812.193
       SS00302           3143457.674        1329496.277
       SS00303           3141019.050        1328961.848
       SS00304           3141428.761        1328960.737
       SS00305           3141563.333        1329166.865
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       SS00307           3142335.259        1329221.380
       SS00308           3142743.591        1329215.217
       SS00309           3142954.648        1329206.074
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       SS00312           3143698.890        1329381.224
       SS00313           3144068.041        1329227.892
       SS00314           3144389.204        1329091.438
       SS00315           3144760.759        1328936.307
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       SS00317           3141279.735        1328961.141
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       SSC00002          3139193.323        1330055.683
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       SSC00004          3137305.584        1331635.364
       SSC00005          3138273.855        1328574.601
       SSC00006          3138478.687        1331009.001
       SSC00007          3144135.657        1337625.228
       WWTF00001         3147369.292        1327539.810

       [VERTICES]
       ;;Link            X-Coord            Y-Coord
       ;;--------------- ------------------ ------------------
       Future_8inch_Pipe 3138949.510         1331101.994


       [BACKDROP]
       FILE       "C:\Users\LAT\Desktop\Town of Mead\swmm\Town of Mead Aerial.jpg"
       DIMENSIONS 3132318.888 1326778.172 3151696.299 1341078.620
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EPA STORM WATER MANAGEMENT MODEL - VERSION 5.1 (Build 5.1.011)

1970.63c - Town of Mead Sanitary Sewer System - Future Flow Analysis using Existing Town Data 2016

****
Element Count
****
Number of rain gages 0
Number of subcatchments ... 0
Number of nodes 327
Number of links 327
Number of pollutants 0
Number of land uses 0

****
Node Summary
****

Name	Type	Invert Elev.	Max. Depth	Ponded Area	External Inflow
LS00001	JUNCTION	5005.05	11.87	0.0	
SS00001	JUNCTION	5074.35	9.23	0.0	Yes
SS00002	JUNCTION	5073.17	9.87	0.0	Yes
SS00003	JUNCTION	5072.22	12.03	0.0	Yes
SS00004	JUNCTION	5070.71	11.54	0.0	Yes
SS00005	JUNCTION	5065.48	12.69	0.0	Yes
SS00006	JUNCTION	5061.71	9.66	0.0	Yes
SS00007	JUNCTION	5061.17	9.66	0.0	Yes
SS00008	JUNCTION	5060.33	9.71	0.0	
SS00009	JUNCTION	5057.95	10.01	0.0	Yes
SS00010	JUNCTION	5060.72	10.11	0.0	Yes
SS00011	JUNCTION	5063.21	10.17	0.0	Yes
SS00012	JUNCTION	5055.17	10.31	0.0	Yes
SS00013	JUNCTION	5048.99	12.14	0.0	Yes
SS00014	JUNCTION	5047.90	11.80	0.0	Yes
SS00015	JUNCTION	5045.06	15.17	0.0	Yes
SS00016	JUNCTION	5044.50	16.08	0.0	Yes
SS00017	JUNCTION	5043.71	17.69	0.0	Yes
SS00018	JUNCTION	5045.00	17.30	0.0	Yes
SS00019	JUNCTION	5072.34	8.55	0.0	Yes
SS00020	JUNCTION	5071.47	9.90	0.0	Yes
SS00021	JUNCTION	5063.69	9.84	0.0	
SS00022	JUNCTION	5057.56	9.93	0.0	Yes
SS00023	JUNCTION	5056.85	9.92	0.0	Yes
SS00024	JUNCTION	5055.62	10.15	0.0	Yes
SS00025	JUNCTION	5054.29	9.99	0.0	
SS00026	JUNCTION	5049.44	13.06	0.0	Yes
SS00027	JUNCTION	5048.28	13.60	0.0	Yes
SS00028	JUNCTION	5047.05	15.59	0.0	Yes
SS00029	JUNCTION	5040.60	22.81	0.0	
SS00030	JUNCTION	5041.71	21.00	0.0	Yes
SS00031	JUNCTION	5042.33	20.25	0.0	Yes
SS00032	JUNCTION	5042.75	19.02	0.0	Yes
SS00033	JUNCTION	5054.81	10.23	0.0	Yes
SS00034	JUNCTION	5054.23	10.11	0.0	Yes
SS00035	JUNCTION	5052.81	10.57	0.0	Yes
SS00036	JUNCTION	5051.06	10.35	0.0	Yes
SS00037	JUNCTION	5049.24	12.78	0.0	Yes

SS00038	JUNCTION	5048.45	13.92	0.0	Yes
SS00039	JUNCTION	5047.66	15.56	0.0	Yes
SS00040	JUNCTION	5047.03	16.53	0.0	Yes
SS00041	JUNCTION	5046.23	17.65	0.0	Yes
SS00042	JUNCTION	5042.97	10.16	0.0	Yes
SS00043	JUNCTION	5040.42	9.88	0.0	Yes
SS00044	JUNCTION	5039.12	9.15	0.0	Yes
SS00045	JUNCTION	5033.75	10.80	0.0	
SS00046	JUNCTION	5030.12	14.69	0.0	Yes
SS00047	JUNCTION	5028.68	13.69	0.0	Yes
SS00048	JUNCTION	5027.41	17.41	0.0	Yes
SS00049	JUNCTION	5025.57	18.39	0.0	
SS00050	JUNCTION	5024.27	17.84	0.0	Yes
SS00051	JUNCTION	5022.93	13.99	0.0	Yes
SS00052	JUNCTION	5021.68	11.35	0.0	Yes
SS00053	JUNCTION	4972.71	14.82	0.0	
SS00054	JUNCTION	4981.28	13.65	0.0	
SS00055	JUNCTION	4993.33	12.71	0.0	Yes
SS00056	JUNCTION	5001.76	12.20	0.0	Yes
SS00057	JUNCTION	5004.61	11.95	0.0	Yes
SS00058	JUNCTION	5006.59	12.10	0.0	Yes
SS00059	JUNCTION	5012.50	11.04	0.0	Yes
SS00060	JUNCTION	5019.60	9.30	0.0	Yes
SS00061	JUNCTION	5023.48	9.92	0.0	Yes
SS00062	JUNCTION	5018.59	13.43	0.0	Yes
SS00063	JUNCTION	5009.84	13.46	0.0	Yes
SS00064	JUNCTION	4997.44	15.97	0.0	Yes
SS00065	JUNCTION	4993.83	12.41	0.0	
SS00066	JUNCTION	5012.54	15.75	0.0	Yes
SS00067	JUNCTION	5009.80	13.73	0.0	Yes
SS00068	JUNCTION	5007.53	13.77	0.0	Yes
SS00069	JUNCTION	5005.28	13.65	0.0	Yes
SS00070	JUNCTION	5014.85	13.52	0.0	Yes
SS00071	JUNCTION	5017.49	13.90	0.0	Yes
SS00072	JUNCTION	5015.77	14.02	0.0	Yes
SS00073	JUNCTION	5013.65	13.87	0.0	
SS00074	JUNCTION	5011.08	13.93	0.0	Yes
SS00075	JUNCTION	5006.92	13.64	0.0	Yes
SS00076	JUNCTION	5004.40	13.92	0.0	Yes
SS00077	JUNCTION	5001.09	13.85	0.0	Yes
SS00078	JUNCTION	4996.89	13.89	0.0	
SS00079	JUNCTION	4994.76	13.61	0.0	Yes
SS00080	JUNCTION	4997.22	13.68	0.0	Yes
SS00081	JUNCTION	4990.76	13.60	0.0	Yes
SS00082	JUNCTION	4988.05	12.45	0.0	
SS00083	JUNCTION	4987.50	11.57	0.0	Yes
SS00084	JUNCTION	4987.51	14.45	0.0	Yes
SS00085	JUNCTION	4985.48	11.25	0.0	Yes
SS00086	JUNCTION	4986.23	11.39	0.0	
SS00087	JUNCTION	4984.29	11.26	0.0	Yes
SS00088	JUNCTION	4983.16	15.23	0.0	
SS00089	JUNCTION	5021.12	11.59	0.0	Yes
SS00090	JUNCTION	5018.45	10.84	0.0	Yes
SS00091	JUNCTION	5012.58	10.72	0.0	Yes
SS00092	JUNCTION	5007.04	10.65	0.0	Yes
SS00093	JUNCTION	5003.55	10.59	0.0	Yes
SS00094	JUNCTION	5001.17	10.53	0.0	Yes
SS00095	JUNCTION	4999.32	10.65	0.0	Yes
SS00096	JUNCTION	5004.23	10.51	0.0	Yes
SS00097	JUNCTION	4995.62	10.60	0.0	Yes
SS00098	JUNCTION	4991.53	10.31	0.0	
SS00099	JUNCTION	4982.20	17.97	0.0	
SS00100	JUNCTION	4980.30	17.71	0.0	Yes

SS00101	JUNCTION	4974.38	14.54	0.0	
SS00102	JUNCTION	4915.09	16.11	0.0	Yes
SS00103	JUNCTION	4916.13	9.89	0.0	
SS00104	JUNCTION	4916.73	7.93	0.0	
SS00105	JUNCTION	4916.93	11.18	0.0	
SS00106	JUNCTION	4917.38	5.30	0.0	
SS00107	JUNCTION	4917.71	14.44	0.0	
SS00108	JUNCTION	4917.89	15.96	0.0	
SS00109	JUNCTION	4918.21	19.99	0.0	
SS00110	JUNCTION	4918.34	19.42	0.0	
SS00111	JUNCTION	4918.61	12.01	0.0	
SS00112	JUNCTION	4992.78	9.26	0.0	
SS00113	JUNCTION	4987.33	13.79	0.0	Yes
SS00114	JUNCTION	4983.29	12.98	0.0	Yes
SS00115	JUNCTION	4978.13	13.44	0.0	Yes
SS00116	JUNCTION	4974.08	13.72	0.0	Yes
SS00117	JUNCTION	4970.16	14.07	0.0	Yes
SS00118	JUNCTION	4967.20	13.61	0.0	Yes
SS00119	JUNCTION	4964.37	13.88	0.0	Yes
SS00120	JUNCTION	4962.38	12.45	0.0	Yes
SS00121	JUNCTION	4959.08	12.45	0.0	Yes
SS00122	JUNCTION	4952.06	13.49	0.0	Yes
SS00123	JUNCTION	4950.29	14.26	0.0	
SS00124	JUNCTION	4950.83	14.08	0.0	
SS00125	JUNCTION	4968.95	13.80	0.0	Yes
SS00126	JUNCTION	4976.60	13.10	0.0	Yes
SS00127	JUNCTION	4978.18	12.46	0.0	
SS00128	JUNCTION	4978.96	12.54	0.0	Yes
SS00129	JUNCTION	4981.61	14.45	0.0	Yes
SS00130	JUNCTION	4982.06	15.03	0.0	Yes
SS00131	JUNCTION	4982.55	15.05	0.0	Yes
SS00132	JUNCTION	4983.98	11.39	0.0	Yes
SS00133	JUNCTION	4978.98	13.57	0.0	Yes
SS00134	JUNCTION	4980.25	13.79	0.0	Yes
SS00135	JUNCTION	4982.91	14.51	0.0	Yes
SS00136	JUNCTION	4986.93	13.86	0.0	Yes
SS00137	JUNCTION	4968.34	13.67	0.0	Yes
SS00138	JUNCTION	4979.35	12.55	0.0	Yes
SS00139	JUNCTION	4976.96	12.57	0.0	Yes
SS00140	JUNCTION	4974.65	12.74	0.0	Yes
SS00141	JUNCTION	4972.37	12.44	0.0	Yes
SS00142	JUNCTION	4970.22	12.52	0.0	Yes
SS00143	JUNCTION	4966.14	12.40	0.0	Yes
SS00144	JUNCTION	4963.98	12.69	0.0	Yes
SS00145	JUNCTION	4955.71	11.74	0.0	Yes
SS00146	JUNCTION	4957.29	12.13	0.0	Yes
SS00147	JUNCTION	4956.05	12.95	0.0	
SS00148	JUNCTION	4955.77	12.50	0.0	Yes
SS00149	JUNCTION	4954.92	12.71	0.0	Yes
SS00150	JUNCTION	4945.72	15.37	0.0	
SS00151	JUNCTION	4946.27	14.87	0.0	Yes
SS00152	JUNCTION	4950.26	11.91	0.0	Yes
SS00153	JUNCTION	4946.82	14.90	0.0	
SS00154	JUNCTION	4948.06	16.43	0.0	Yes
SS00155	JUNCTION	4949.41	15.79	0.0	Yes
SS00156	JUNCTION	4974.68	12.17	0.0	Yes
SS00157	JUNCTION	4972.01	13.80	0.0	Yes
SS00158	JUNCTION	4961.99	12.95	0.0	Yes
SS00159	JUNCTION	4949.30	12.33	0.0	Yes
SS00160	JUNCTION	4950.66	5.82	0.0	Yes
SS00161	JUNCTION	4944.99	12.46	0.0	
SS00162	JUNCTION	4944.79	7.01	0.0	
SS00163	JUNCTION	4989.11	9.21	0.0	Yes

SS00164	JUNCTION	4983.94	8.49	0.0	Yes
SS00165	JUNCTION	4979.30	8.35	0.0	Yes
SS00166	JUNCTION	4974.53	8.31	0.0	Yes
SS00167	JUNCTION	4967.54	10.41	0.0	Yes
SS00168	JUNCTION	4961.11	10.62	0.0	Yes
SS00169	JUNCTION	4954.67	10.72	0.0	Yes
SS00170	JUNCTION	4948.24	9.31	0.0	
SS00171	JUNCTION	4948.58	8.76	0.0	
SS00172	JUNCTION	4949.28	8.70	0.0	
SS00173	JUNCTION	4946.56	11.05	0.0	Yes
SS00174	JUNCTION	4952.18	9.60	0.0	Yes
SS00175	JUNCTION	4957.00	13.07	0.0	Yes
SS00176	JUNCTION	4968.51	10.47	0.0	Yes
SS00177	JUNCTION	4970.70	10.06	0.0	Yes
SS00178	JUNCTION	4973.70	9.89	0.0	Yes
SS00179	JUNCTION	4938.96	15.27	0.0	
SS00180	JUNCTION	4937.64	7.00	0.0	
SS00181	JUNCTION	4939.12	8.62	0.0	
SS00182	JUNCTION	4939.71	8.30	0.0	
SS00183	JUNCTION	4941.72	12.07	0.0	
SS00184	JUNCTION	4943.17	9.84	0.0	
SS00185	JUNCTION	5049.88	10.89	0.0	Yes
SS00186	JUNCTION	5047.92	11.79	0.0	Yes
SS00187	JUNCTION	5045.23	11.37	0.0	Yes
SS00188	JUNCTION	5041.91	11.72	0.0	Yes
SS00189	JUNCTION	5039.65	11.97	0.0	Yes
SS00190	JUNCTION	5034.62	11.30	0.0	Yes
SS00191	JUNCTION	5029.98	12.00	0.0	
SS00192	JUNCTION	5031.31	11.92	0.0	Yes
SS00193	JUNCTION	5032.77	11.67	0.0	Yes
SS00194	JUNCTION	5033.93	11.36	0.0	Yes
SS00195	JUNCTION	5035.95	12.32	0.0	Yes
SS00196	JUNCTION	5041.65	11.70	0.0	Yes
SS00197	JUNCTION	5043.18	11.78	0.0	Yes
SS00198	JUNCTION	5039.34	11.70	0.0	Yes
SS00199	JUNCTION	5036.75	11.62	0.0	Yes
SS00200	JUNCTION	5035.36	11.25	0.0	Yes
SS00201	JUNCTION	5037.97	11.57	0.0	Yes
SS00202	JUNCTION	5039.99	11.49	0.0	Yes
SS00203E	JUNCTION	5043.32	11.46	0.0	Yes
SS00203N	JUNCTION	5043.42	11.36	0.0	Yes
SS00204	JUNCTION	5041.32	11.79	0.0	Yes
SS00205	JUNCTION	5042.45	11.93	0.0	Yes
SS00206	JUNCTION	5039.14	11.44	0.0	Yes
SS00207	JUNCTION	5035.96	11.64	0.0	Yes
SS00208	JUNCTION	5033.10	11.91	0.0	Yes
SS00209	JUNCTION	5030.91	11.75	0.0	Yes
SS00210	JUNCTION	5025.51	11.55	0.0	Yes
SS00211	JUNCTION	5023.99	11.27	0.0	Yes
SS00212	JUNCTION	5022.27	15.17	0.0	Yes
SS00213	JUNCTION	5016.67	13.87	0.0	
SS00214	JUNCTION	5027.32	13.02	0.0	Yes
SS00215	JUNCTION	5035.14	13.96	0.0	Yes
SS00216	JUNCTION	5037.92	15.50	0.0	Yes
SS00217	JUNCTION	5035.88	11.12	0.0	Yes
SS00218	JUNCTION	5033.45	11.19	0.0	Yes
SS00219	JUNCTION	5027.09	11.10	0.0	Yes
SS00220	JUNCTION	5028.65	10.69	0.0	Yes
SS00221	JUNCTION	5027.15	10.61	0.0	
SS00222	JUNCTION	5017.24	19.52	0.0	
SS00223	JUNCTION	5021.97	9.16	0.0	Yes
SS00224	JUNCTION	5016.93	9.30	0.0	Yes
SS00225	JUNCTION	5016.83	9.33	0.0	Yes

SS00226	JUNCTION	5015.28	11.65	0.0	
SS00227	JUNCTION	5021.23	9.03	0.0	Yes
SS00228	JUNCTION	5019.71	10.78	0.0	Yes
SS00229	JUNCTION	5018.35	12.96	0.0	Yes
SS00230	JUNCTION	5016.25	13.99	0.0	Yes
SS00231	JUNCTION	5013.02	9.44	0.0	Yes
SS00232	JUNCTION	5009.04	9.63	0.0	Yes
SS00233	JUNCTION	5011.21	14.70	0.0	Yes
SS00234	JUNCTION	5013.58	12.39	0.0	Yes
SS00235	JUNCTION	5019.05	9.22	0.0	Yes
SS00236	JUNCTION	5016.21	9.51	0.0	Yes
SS00237	JUNCTION	5013.83	9.87	0.0	Yes
SS00238	JUNCTION	5010.99	10.15	0.0	Yes
SS00239	JUNCTION	5007.70	11.44	0.0	
SS00240	JUNCTION	4961.31	12.42	0.0	
SS00241	JUNCTION	4971.92	15.40	0.0	
SS00242	JUNCTION	4972.43	9.11	0.0	Yes
SS00243	JUNCTION	5041.07	12.59	0.0	Yes
SS00244	JUNCTION	5026.28	13.25	0.0	Yes
SS00245	JUNCTION	5024.21	13.91	0.0	Yes
SS00246	JUNCTION	5020.72	14.15	0.0	Yes
SS00247	JUNCTION	5015.88	12.67	0.0	
SS00248	JUNCTION	5020.55	11.70	0.0	Yes
SS00249	JUNCTION	5022.82	11.44	0.0	Yes
SS00250	JUNCTION	5024.48	10.84	0.0	Yes
SS00251	JUNCTION	5036.51	9.98	0.0	Yes
SS00252	JUNCTION	5014.85	5.39	0.0	Yes
SS00253	JUNCTION	5013.07	9.75	0.0	Yes
SS00254	JUNCTION	5011.50	11.81	0.0	
SS00255	JUNCTION	5017.71	6.95	0.0	Yes
SS00256	JUNCTION	4999.61	10.55	0.0	Yes
SS00257	JUNCTION	5005.52	7.17	0.0	Yes
SS00258	JUNCTION	5008.45	6.93	0.0	Yes
SS00259	JUNCTION	5011.91	8.15	0.0	Yes
SS00260	JUNCTION	5019.76	8.35	0.0	
SS00261	JUNCTION	5029.77	7.96	0.0	
SS00262	JUNCTION	5035.67	10.03	0.0	Yes
SS00263	JUNCTION	5001.50	9.93	0.0	Yes
SS00264	JUNCTION	5003.27	7.85	0.0	Yes
SS00265	JUNCTION	5009.16	6.50	0.0	
SS00266	JUNCTION	4994.66	6.31	0.0	Yes
SS00267	JUNCTION	4993.56	6.76	0.0	
SS00268	JUNCTION	4993.22	7.48	0.0	Yes
SS00269	JUNCTION	4991.91	9.55	0.0	Yes
SS00270	JUNCTION	4989.87	10.93	0.0	
SS00271	JUNCTION	4989.11	10.90	0.0	
SS00272	JUNCTION	4984.05	5.87	0.0	Yes
SS00273	JUNCTION	4979.37	5.25	0.0	Yes
SS00274	JUNCTION	4974.73	7.40	0.0	
SS00275	JUNCTION	4972.87	5.83	0.0	
SS00276	JUNCTION	4980.33	6.39	0.0	
SS00277	JUNCTION	4983.56	5.57	0.0	
SS00278	JUNCTION	4986.58	6.67	0.0	Yes
SS00279	JUNCTION	4992.32	6.93	0.0	Yes
SS00280	JUNCTION	4996.40	7.33	0.0	Yes
SS00281	JUNCTION	4997.66	7.89	0.0	Yes
SS00282	JUNCTION	5076.86	12.60	0.0	Yes
SS00283	JUNCTION	4951.43	12.43	0.0	Yes
SS00284	JUNCTION	4963.36	13.11	0.0	
SS00285	JUNCTION	4914.35	9.65	0.0	
SS00286	JUNCTION	5040.27	13.15	0.0	
SS00287	JUNCTION	5039.19	12.30	0.0	
SS00288	JUNCTION	5038.08	7.74	0.0	

SS00289	JUNCTION	5036.57	10.60	0.0	
SS00290	JUNCTION	5036.13	13.26	0.0	
SS00291	JUNCTION	5030.11	15.60	0.0	
SS00292	JUNCTION	4955.42	9.81	0.0	
SS00293	JUNCTION	4951.31	8.69	0.0	
SS00294	JUNCTION	4943.42	11.16	0.0	
SS00295	JUNCTION	4942.19	9.21	0.0	
SS00296	JUNCTION	4935.17	6.18	0.0	
SS00297	JUNCTION	4932.78	7.06	0.0	
SS00298	JUNCTION	4930.05	6.71	0.0	
SS00299	JUNCTION	4927.02	5.78	0.0	
SS00300	JUNCTION	4923.74	5.54	0.0	
SS00301	JUNCTION	4923.10	6.27	0.0	
SS00302	JUNCTION	4922.38	10.90	0.0	
SS00303	JUNCTION	4967.65	4.36	0.0	
SS00304	JUNCTION	4953.25	10.43	0.0	Yes
SS00305	JUNCTION	4947.11	9.61	0.0	
SS00306	JUNCTION	4943.16	9.56	0.0	Yes
SS00307	JUNCTION	4939.16	6.60	0.0	
SS00308	JUNCTION	4934.82	6.36	0.0	
SS00309	JUNCTION	4932.44	7.54	0.0	
SS00310	JUNCTION	4930.62	7.57	0.0	
SS00311	JUNCTION	4922.16	14.49	0.0	
SS00312	JUNCTION	4921.62	10.49	0.0	
SS00313	JUNCTION	4921.18	9.03	0.0	
SS00314	JUNCTION	4920.82	9.01	0.0	
SS00315	JUNCTION	4919.52	11.77	0.0	Yes
SS00316	JUNCTION	5032.01	11.99	0.0	Yes
SS00317	JUNCTION	4956.74	11.26	0.0	
SSC00001	JUNCTION	5018.51	6.85	0.0	Yes
SSC00002	JUNCTION	5011.26	4.86	0.0	Yes
SSC00003	JUNCTION	5004.62	5.82	0.0	Yes
SSC00004	JUNCTION	5017.70	12.16	0.0	
SSC00005	JUNCTION	5026.83	19.17	0.0	Yes
SSC00006	JUNCTION	5013.35	11.65	0.0	Yes
SSC00007	JUNCTION	5045.31	12.69	0.0	
WWTF00001	OUTFALL	4914.25	1.75	0.0	

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Link Summary
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Name	From Node	To Node	Type	Length	%Slope	Roughness
SS00001-SS00002	SS00001	SS00002	CONDUIT	155.0	0.7613	0.0100
SS00002-SS00003	SS00002	SS00003	CONDUIT	169.3	0.5375	0.0100
SS00003-SS00004	SS00003	SS00004	CONDUIT	134.5	0.9145	0.0100
SS00004-SS00005	SS00004	SS00005	CONDUIT	186.1	2.7415	0.0100
SS00005-SS00006	SS00005	SS00006	CONDUIT	399.3	0.8966	0.0100
SS00006-SS00007	SS00006	SS00007	CONDUIT	121.0	0.3058	0.0100
SS00007-SS00008	SS00007	SS00008	CONDUIT	118.9	0.5887	0.0100
SS00008-SS00009	SS00008	SS00009	CONDUIT	143.5	1.6169	0.0100

SS00009-SS00012	SS00009	SS00012	CONDUIT	154.7	
1.6292	0.0100				
SS00010-SS00009	SS00010	SS00009	CONDUIT	245.1	
1.0160	0.0100				
SS00011-SS00010	SS00011	SS00010	CONDUIT	236.6	
0.9172	0.0100				
SS00012-SS00013	SS00012	SS00013	CONDUIT	125.7	
4.7149	0.0100				
SS00013-SS00014	SS00013	SS00014	CONDUIT	197.7	
0.4552	0.0100				
SS00014-SS00015	SS00014	SS00015	CONDUIT	129.0	
2.0625	0.0100				
SS00015-SS00016	SS00015	SS00016	CONDUIT	104.1	
0.3170	0.0100				
SS00016-SS00017	SS00016	SS00017	CONDUIT	168.6	
0.3559	0.0100				
SS00017-SS00032	SS00017	SS00032	CONDUIT	141.6	
0.4873	0.0100				
SS00018-SS00017	SS00018	SS00017	CONDUIT	210.4	
0.5466	0.0100				
SS00019-SS00020	SS00019	SS00020	CONDUIT	109.4	
0.6033	0.0100				
SS00020-SS00021	SS00020	SS00021	CONDUIT	224.8	
3.4184	0.0100				
SS00021-SS00022	SS00021	SS00022	CONDUIT	261.0	
2.2381	0.0100				
SS00022-SS00023	SS00022	SS00023	CONDUIT	142.9	
0.3639	0.0100				
SS00023-SS00024	SS00023	SS00024	CONDUIT	205.9	
0.3983	0.0100				
SS00024-SS00025	SS00024	SS00025	CONDUIT	297.6	
0.3360	0.0100				
SS00025-SS00026	SS00025	SS00026	CONDUIT	296.3	
0.8944	0.0100				
SS00026-SS00027	SS00026	SS00027	CONDUIT	230.4	
0.4080	0.0100				
SS00027-SS00028	SS00027	SS00028	CONDUIT	225.3	
0.4794	0.0100				
SS00028-SS00029	SS00028	SS00029	CONDUIT	186.3	
3.2653	0.0100				
SS00029-SS00286	SS00029	SS00286	CONDUIT	223.0	
0.1211	0.0100				
SS00030-SS00029	SS00030	SS00029	CONDUIT	223.0	
0.3767	0.0100				
SS00031-SS00030	SS00031	SS00030	CONDUIT	91.9	
0.3917	0.0100				
SS00032-SS00031	SS00032	SS00031	CONDUIT	94.3	
0.3075	0.0100				
SS00033-SS00034	SS00033	SS00034	CONDUIT	107.3	
0.2423	0.0100				
SS00034-SS00035	SS00034	SS00035	CONDUIT	229.9	
0.4393	0.0100				
SS00035-SS00036	SS00035	SS00036	CONDUIT	397.8	
0.3846	0.0100				
SS00036-SS00037	SS00036	SS00037	CONDUIT	399.3	
0.3882	0.0100				
SS00037-SS00038	SS00037	SS00038	CONDUIT	97.4	
0.5339	0.0100				
SS00038-SS00039	SS00038	SS00039	CONDUIT	129.4	
0.3787	0.0100				
SS00039-SS00040	SS00039	SS00040	CONDUIT	102.9	
0.4179	0.0100				
SS00040-SS00041	SS00040	SS00041	CONDUIT	103.3	

0.3291	0.0100				
SS00041-SS00029		SS00041	SS00029	CONDUIT	165.4
3.1697	0.0100				
SS00042-SS00043		SS00042	SS00043	CONDUIT	173.5
1.3085	0.0100				
SS00043-SS00044		SS00043	SS00044	CONDUIT	246.5
0.4544	0.0100				
SS00044-SS00045		SS00044	SS00045	CONDUIT	298.1
1.6607	0.0100				
SS00045-SS00316		SS00045	SS00316	CONDUIT	278.0
0.6259	0.0100				
SS00046-SS00049		SS00046	SS00049	CONDUIT	339.1
1.2328	0.0100				
SS00047-SS00048		SS00047	SS00048	CONDUIT	242.8
0.4984	0.0100				
SS00048-SS00049		SS00048	SS00049	CONDUIT	297.0
0.4680	0.0100				
SS00049-SS00050		SS00049	SS00050	CONDUIT	230.6
0.4727	0.0100				
SS00050-SS00051		SS00050	SS00051	CONDUIT	229.6
0.5836	0.0100				
SS00051-SS00052		SS00051	SS00052	CONDUIT	181.4
0.5733	0.0100				
SS00052-SS00060		SS00052	SS00060	CONDUIT	181.8
1.0782	0.0100				
SS00053-SS00242		SS00053	SS00242	CONDUIT	185.3
0.0917	0.0100				
SS00054-SS00053		SS00054	SS00053	CONDUIT	198.2
3.5997	0.0100				
SS00055-SS00054		SS00055	SS00054	CONDUIT	224.2
5.2839	0.0100				
SS00056-SS00055		SS00056	SS00055	CONDUIT	220.8
3.8071	0.0100				
SS00057-SS00056		SS00057	SS00056	CONDUIT	307.9
0.8737	0.0100				
SS00058-SS00057		SS00058	SS00057	CONDUIT	253.8
0.6738	0.0100				
SS00059-SS00058		SS00059	SS00058	CONDUIT	253.8
2.2307	0.0100				
SS00060-SS00059		SS00060	SS00059	CONDUIT	257.1
2.6886	0.0100				
SS00061-SS00062		SS00061	SS00062	CONDUIT	270.1
1.6848	0.0100				
SS00062-SS00063		SS00062	SS00063	CONDUIT	408.1
2.0686	0.0100				
SS00063-SS00064		SS00063	SS00064	CONDUIT	390.7
3.0934	0.0100				
SS00064-SS00065		SS00064	SS00065	CONDUIT	355.9
0.9582	0.0100				
SS00065-SS00112		SS00065	SS00112	CONDUIT	119.7
0.6600	0.0100				
SS00066-SS00067		SS00066	SS00067	CONDUIT	235.4
1.0536	0.0100				
SS00067-SS00068		SS00067	SS00068	CONDUIT	281.9
0.7237	0.0100				
SS00068-SS00069		SS00068	SS00069	CONDUIT	281.2
0.7539	0.0100				
SS00069-SS00076		SS00069	SS00076	CONDUIT	76.8
1.0547	0.0100				
SS00070-SS00073		SS00070	SS00073	CONDUIT	124.9
0.8487	0.0100				
SS00071-SS00072		SS00071	SS00072	CONDUIT	218.9
0.6807	0.0100				

SS00072-SS00073	SS00072	SS00073	CONDUIT	240.7	
0.8102	0.0100				
SS00073-SS00074	SS00073	SS00074	CONDUIT	161.3	
1.4633	0.0100				
SS00074-SS00075	SS00074	SS00075	CONDUIT	284.1	
1.4644	0.0100				
SS00075-SS00076	SS00075	SS00076	CONDUIT	124.7	
1.8046	0.0100				
SS00076-SS00077	SS00076	SS00077	CONDUIT	209.1	
1.5832	0.0100				
SS00077-SS00078	SS00077	SS00078	CONDUIT	228.5	
1.7070	0.0100				
SS00078-SS00079	SS00078	SS00079	CONDUIT	125.0	
1.5762	0.0100				
SS00079-SS00081	SS00079	SS00081	CONDUIT	218.1	
1.6921	0.0100				
SS00080-SS00079	SS00080	SS00079	CONDUIT	297.2	
0.7840	0.0100				
SS00081-SS00082	SS00081	SS00082	CONDUIT	216.3	
1.1235	0.0100				
SS00082-SS00083	SS00082	SS00083	CONDUIT	105.6	
0.5019	0.0100				
SS00083-SS00086	SS00083	SS00086	CONDUIT	174.4	
0.5619	0.0100				
SS00084-SS00085	SS00084	SS00085	CONDUIT	263.6	
0.7132	0.0100				
SS00085-SS00087	SS00085	SS00087	CONDUIT	212.8	
0.4558	0.0100				
SS00086-SS00085	SS00086	SS00085	CONDUIT	98.6	
0.6390	0.0100				
SS00087-SS00088	SS00087	SS00088	CONDUIT	211.5	
0.4681	0.0100				
SS00088-SS00099	SS00088	SS00099	CONDUIT	126.2	
0.4596	0.0100				
SS00089-SS00090	SS00089	SS00090	CONDUIT	106.8	
2.4071	0.0100				
SS00090-SS00091	SS00090	SS00091	CONDUIT	175.0	
3.2932	0.0100				
SS00091-SS00092	SS00091	SS00092	CONDUIT	176.1	
3.1247	0.0100				
SS00092-SS00093	SS00092	SS00093	CONDUIT	312.6	
0.9821	0.0100				
SS00093-SS00094	SS00093	SS00094	CONDUIT	245.9	
0.8296	0.0100				
SS00094-SS00095	SS00094	SS00095	CONDUIT	201.0	
0.8209	0.0100				
SS00095-SS00097	SS00095	SS00097	CONDUIT	233.8	
1.4244	0.0100				
SS00096-SS00095	SS00096	SS00095	CONDUIT	362.2	
1.3281	0.0100				
SS00097-SS00098	SS00097	SS00098	CONDUIT	237.1	
1.6746	0.0100				
SS00098-SS00099	SS00098	SS00099	CONDUIT	213.0	
4.2809	0.0100				
SS00099-SS00100	SS00099	SS00100	CONDUIT	82.8	
2.0415	0.0100				
SS00100-SS00101	SS00100	SS00101	CONDUIT	254.0	
2.2171	0.0100				
SS00101-SS00053	SS00101	SS00053	CONDUIT	310.9	
0.3409	0.0100				
SS00102-SS00285	SS00102	SS00285	CONDUIT	768.4	
0.0703	0.0100				
SS00103-SS00102	SS00103	SS00102	CONDUIT	528.9	

0.1229	0.0100				
SS00104-SS00103	SS00104	SS00103	CONDUIT	172.6	
0.1506	0.0100				
SS00105-SS00104	SS00105	SS00104	CONDUIT	201.1	
0.0796	0.0100				
SS00106-SS00105	SS00106	SS00105	CONDUIT	133.1	
0.1953	0.0100				
SS00107-SS00106	SS00107	SS00106	CONDUIT	242.2	
0.1115	0.0100				
SS00108-SS00107	SS00108	SS00107	CONDUIT	241.6	
0.0745	0.0100				
SS00109-SS00108	SS00109	SS00108	CONDUIT	234.0	
0.0470	0.0100				
SS00110-SS00109	SS00110	SS00109	CONDUIT	16.8	
0.1786	0.0100				
SS00111-SS00110	SS00111	SS00110	CONDUIT	421.7	
0.0640	0.0100				
SS00112-SS00113	SS00112	SS00113	CONDUIT	22.5	
3.6914	0.0100				
SS00113-SS00114	SS00113	SS00114	CONDUIT	259.0	
1.5600	0.0100				
SS00114-SS00115	SS00114	SS00115	CONDUIT	255.4	
1.9542	0.0100				
SS00115-SS00116	SS00115	SS00116	CONDUIT	190.8	
2.0182	0.0100				
SS00116-SS00117	SS00116	SS00117	CONDUIT	195.6	
1.8920	0.0100				
SS00117-SS00118	SS00117	SS00118	CONDUIT	173.0	
1.6418	0.0100				
SS00118-SS00119	SS00118	SS00119	CONDUIT	91.5	
2.9412	0.0100				
SS00119-SS00120	SS00119	SS00120	CONDUIT	80.7	
2.2558	0.0100				
SS00120-SS00121	SS00120	SS00121	CONDUIT	65.1	
5.0756	0.0100				
SS00121-SS00122	SS00121	SS00122	CONDUIT	148.9	
4.6120	0.0100				
SS00122-SS00123	SS00122	SS00123	CONDUIT	333.5	
0.4438	0.0100				
SS00123-SS00183	SS00123	SS00183	CONDUIT	213.5	
3.9609	0.0100				
SS00124-SS00123	SS00124	SS00123	CONDUIT	41.2	
0.6068	0.0100				
SS00125-SS00284	SS00125	SS00284	CONDUIT	108.9	
4.9095	0.0100				
SS00126-SS00125	SS00126	SS00125	CONDUIT	200.9	
3.7757	0.0100				
SS00127-SS00126	SS00127	SS00126	CONDUIT	93.7	
1.6224	0.0100				
SS00128-SS00127	SS00128	SS00127	CONDUIT	36.4	
1.5112	0.0100				
SS00129-SS00128	SS00129	SS00128	CONDUIT	188.0	
1.2873	0.0100				
SS00130-SS00129	SS00130	SS00129	CONDUIT	46.0	
0.7826	0.0100				
SS00131-SS00130	SS00131	SS00130	CONDUIT	42.7	
0.8197	0.0100				
SS00132-SS00131	SS00132	SS00131	CONDUIT	202.8	
0.6558	0.0100				
SS00133-SS00126	SS00133	SS00126	CONDUIT	192.8	
1.1048	0.0100				
SS00134-SS00133	SS00134	SS00133	CONDUIT	111.6	
1.0664	0.0100				

SS00135-SS00134	SS00135	SS00134	CONDUIT	258.3	0.9369	0.0100
SS00136-SS00135	SS00136	SS00135	CONDUIT	377.6	1.0144	0.0100
SS00137-SS00284	SS00137	SS00284	CONDUIT	233.6	2.0638	0.0100
SS00138-SS00139	SS00138	SS00139	CONDUIT	121.3	1.8057	0.0100
SS00139-SS00140	SS00139	SS00140	CONDUIT	106.7	1.9591	0.0100
SS00140-SS00141	SS00140	SS00141	CONDUIT	121.0	1.6200	0.0100
SS00141-SS00142	SS00141	SS00142	CONDUIT	100.7	1.9368	0.0100
SS00142-SS00143	SS00142	SS00143	CONDUIT	207.6	1.8356	0.0100
SS00143-SS00144	SS00143	SS00144	CONDUIT	114.9	1.5929	0.0100
SS00144-SS00120	SS00144	SS00120	CONDUIT	102.8	1.4982	0.0100
SS00145-SS00152	SS00145	SS00152	CONDUIT	210.9	2.5186	0.0100
SS00146-SS00147	SS00146	SS00147	CONDUIT	195.3	0.5172	0.0100
SS00147-SS00148	SS00147	SS00148	CONDUIT	42.2	0.3555	0.0100
SS00148-SS00149	SS00148	SS00149	CONDUIT	74.4	0.9947	0.0100
SS00149-SS00150	SS00149	SS00150	CONDUIT	335.2	1.6888	0.0100
SS00150-SS00161	SS00150	SS00161	CONDUIT	138.4	0.4480	0.0100
SS00151-SS00150	SS00151	SS00150	CONDUIT	58.9	0.3226	0.0100
SS00152-SS00151	SS00152	SS00151	CONDUIT	82.9	3.3795	0.0100
SS00153-SS00151	SS00153	SS00151	CONDUIT	58.3	0.7033	0.0100
SS00154-SS00153	SS00154	SS00153	CONDUIT	264.8	0.3852	0.0100
SS00155-SS00154	SS00155	SS00154	CONDUIT	124.0	1.0323	0.0100
SS00156-SS00157	SS00156	SS00157	CONDUIT	97.0	2.6091	0.0100
SS00157-SS00158	SS00157	SS00158	CONDUIT	348.8	2.7706	0.0100
SS00158-SS00154	SS00158	SS00154	CONDUIT	344.4	3.0095	0.0100
SS00159-SS00154	SS00159	SS00154	CONDUIT	240.2	0.4496	0.0100
SS00160-SS00159	SS00160	SS00159	CONDUIT	270.7	0.5024	0.0100
SS00161-SS00162	SS00161	SS00162	CONDUIT	38.5	0.1039	0.0100
SS00162-SS00184	SS00162	SS00184	CONDUIT	400.2	0.3473	0.0100
SS00163-SS00164	SS00163	SS00164	CONDUIT	378.3	1.3403	0.0100
SS00164-SS00165	SS00164	SS00165	CONDUIT	399.7	1.1609	0.0100
SS00165-SS00166	SS00165	SS00166	CONDUIT	399.0	1.2156	0.0100
SS00166-SS00167	SS00166	SS00167	CONDUIT	399.5		

1.7324	0.0100				
SS00167-SS00168	SS00167	SS00168	CONDUIT	400.9	
1.5866	0.0100				
SS00168-SS00169	SS00168	SS00169	CONDUIT	385.0	
1.6158	0.0100				
SS00169-SS00170	SS00169	SS00170	CONDUIT	342.1	
1.8390	0.0100				
SS00170-SS00173	SS00170	SS00173	CONDUIT	64.3	
2.2712	0.0100				
SS00171-SS00170	SS00171	SS00170	CONDUIT	27.9	
0.9678	0.0100				
SS00172-SS00171	SS00172	SS00171	CONDUIT	63.3	
1.1059	0.0100				
SS00173-SS00179	SS00173	SS00179	CONDUIT	179.7	
3.6307	0.0100				
SS00174-SS00172	SS00174	SS00172	CONDUIT	401.4	
0.7300	0.0100				
SS00175-SS00174	SS00175	SS00174	CONDUIT	399.3	
1.2272	0.0100				
SS00176-SS00175	SS00176	SS00175	CONDUIT	382.7	
3.0089	0.0100				
SS00177-SS00176	SS00177	SS00176	CONDUIT	95.8	
2.1090	0.0100				
SS00178-SS00176	SS00178	SS00176	CONDUIT	221.2	
2.2519	0.0100				
SS00179-SS00180	SS00179	SS00180	CONDUIT	123.5	
1.0284	0.0100				
SS00180-SS00296	SS00180	SS00296	CONDUIT	479.7	
0.4294	0.0100				
SS00181-SS00179	SS00181	SS00179	CONDUIT	265.7	
0.0452	0.0100				
SS00182-SS00181	SS00182	SS00181	CONDUIT	376.0	
0.1383	0.0100				
SS00183-SS00182	SS00183	SS00182	CONDUIT	116.2	
0.6455	0.0100				
SS00184-SS00183	SS00184	SS00183	CONDUIT	326.9	
0.4130	0.0100				
SS00185-SS00186	SS00185	SS00186	CONDUIT	276.6	
0.5351	0.0100				
SS00186-SS00187	SS00186	SS00187	CONDUIT	369.7	
0.7114	0.0100				
SS00187-SS00188	SS00187	SS00188	CONDUIT	381.2	
0.8106	0.0100				
SS00188-SS00189	SS00188	SS00189	CONDUIT	140.9	
1.4835	0.0100				
SS00189-SS00190	SS00189	SS00190	CONDUIT	261.6	
1.8505	0.0100				
SS00190-SS00191	SS00190	SS00191	CONDUIT	259.2	
1.6553	0.0100				
SS00191-SS00214	SS00191	SS00214	CONDUIT	285.4	
0.7989	0.0100				
SS00192-SS00191	SS00192	SS00191	CONDUIT	172.4	
0.6265	0.0100				
SS00193-SS00192	SS00193	SS00192	CONDUIT	140.9	
0.8446	0.0100				
SS00194-SS00193	SS00194	SS00193	CONDUIT	120.5	
0.8797	0.0100				
SS00195-SS00194	SS00195	SS00194	CONDUIT	302.3	
0.6451	0.0100				
SS00196-SS00195	SS00196	SS00195	CONDUIT	323.0	
1.7371	0.0100				
SS00197-SS00198	SS00197	SS00198	CONDUIT	195.3	
1.9154	0.0100				

SS00198-SS00199	SS00198	SS00199	CONDUIT	247.0
0.9960	0.0100			
SS00199-SS00200	SS00199	SS00200	CONDUIT	178.0
0.7528	0.0100			
SS00200-SS00194	SS00200	SS00194	CONDUIT	260.8
0.5023	0.0100			
SS00201-SS00200	SS00201	SS00200	CONDUIT	268.6
0.8973	0.0100			
SS00202-SS00201	SS00202	SS00201	CONDUIT	270.1
0.6479	0.0100			
SS00203E-SS00202	SS00203E	SS00202	CONDUIT	423.8
0.7386	0.0100			
SS00203N-SS00204	SS00203N	SS00204	CONDUIT	270.0
0.6593	0.0100			
SS00204-SS00198	SS00204	SS00198	CONDUIT	270.6
0.7096	0.0100			
SS00205-SS00204	SS00205	SS00204	CONDUIT	154.8
0.6072	0.0100			
SS00206-SS00207	SS00206	SS00207	CONDUIT	305.0
1.0197	0.0100			
SS00207-SS00208	SS00207	SS00208	CONDUIT	255.7
0.9895	0.0100			
SS00208-SS00209	SS00208	SS00209	CONDUIT	262.4
0.7432	0.0100			
SS00209-SS00210	SS00209	SS00210	CONDUIT	269.0
1.9148	0.0100			
SS00210-SS00211	SS00210	SS00211	CONDUIT	271.6
0.4602	0.0100			
SS00211-SS00212	SS00211	SS00212	CONDUIT	325.4
0.4640	0.0100			
SS00212-SS00222	SS00212	SS00222	CONDUIT	323.5
1.3788	0.0100			
SS00213-SS00247	SS00213	SS00247	CONDUIT	196.3
0.2496	0.0100			
SS00214-SS00222	SS00214	SS00222	CONDUIT	268.5
3.6785	0.0100			
SS00215-SS00214	SS00215	SS00214	CONDUIT	386.2
2.0020	0.0100			
SS00216-SS00215	SS00216	SS00215	CONDUIT	249.2
1.1076	0.0100			
SS00217-SS00218	SS00217	SS00218	CONDUIT	308.0
0.7273	0.0100			
SS00218-SS00209	SS00218	SS00209	CONDUIT	254.8
0.8949	0.0100			
SS00219-SS00210	SS00219	SS00210	CONDUIT	255.4
0.4816	0.0100			
SS00220-SS00219	SS00220	SS00219	CONDUIT	306.2
0.4540	0.0100			
SS00221-SS00210	SS00221	SS00210	CONDUIT	133.0
1.0828	0.0100			
SS00222-SS00213	SS00222	SS00213	CONDUIT	203.7
0.1915	0.0100			
SS00223-SS00224	SS00223	SS00224	CONDUIT	369.2
1.3652	0.0100			
SS00224-SS00225	SS00224	SS00225	CONDUIT	12.3
0.6504	0.0100			
SS00225-SS00226	SS00225	SS00226	CONDUIT	244.2
0.5651	0.0100			
SS00226-SS00234	SS00226	SS00234	CONDUIT	285.3
0.4942	0.0100			
SS00227-SS00226	SS00227	SS00226	CONDUIT	401.4
1.4252	0.0100			
SS00228-SS00229	SS00228	SS00229	CONDUIT	126.1

0.7851	0.0100				
SS00229-SS00230	SS00229	SS00230	CONDUIT	399.2	
0.4860	0.0100				
SS00230-SS00231	SS00230	SS00231	CONDUIT	299.9	
1.0771	0.0100				
SS00231-SS00232	SS00231	SS00232	CONDUIT	351.2	
1.0735	0.0100				
SS00232-LS00001	SS00232	LS00001	CONDUIT	40.6	
9.8754	0.0100				
SS00233-SS00232	SS00233	SS00232	CONDUIT	294.3	
0.7238	0.0100				
SS00234-SS00233	SS00234	SS00233	CONDUIT	399.6	
0.5606	0.0100				
SS00235-SS00236	SS00235	SS00236	CONDUIT	293.4	
0.8657	0.0100				
SS00236-SS00237	SS00236	SS00237	CONDUIT	295.4	
0.6703	0.0100				
SS00237-SS00238	SS00237	SS00238	CONDUIT	398.3	
0.6277	0.0100				
SS00238-SS00239	SS00238	SS00239	CONDUIT	242.1	
1.1938	0.0100				
SS00239-LS00001	SS00239	LS00001	CONDUIT	323.7	
0.8187	0.0100				
SS00240-SS00292	SS00240	SS00292	CONDUIT	230.2	
2.4682	0.0100				
SS00241-SS00240	SS00241	SS00240	CONDUIT	86.5	
3.1113	0.0100				
SS00242-SS00241	SS00242	SS00241	CONDUIT	232.6	
0.2193	0.0100				
SS00243-SS00244	SS00243	SS00244	CONDUIT	304.3	
4.8100	0.0100				
SS00244-SS00245	SS00244	SS00245	CONDUIT	292.4	
0.6601	0.0100				
SS00245-SS00246	SS00245	SS00246	CONDUIT	408.3	
0.7911	0.0100				
SS00246-SS00213	SS00246	SS00213	CONDUIT	426.8	
0.9208	0.0100				
SS00247-SS00252	SS00247	SS00252	CONDUIT	390.1	
0.2102	0.0100				
SS00248-SS00247	SS00248	SS00247	CONDUIT	400.1	
1.0248	0.0100				
SS00249-SS00248	SS00249	SS00248	CONDUIT	386.3	
0.5100	0.0100				
SS00250-SS00249	SS00250	SS00249	CONDUIT	384.6	
0.3952	0.0100				
SS00251-SS00250	SS00251	SS00250	CONDUIT	281.2	
4.2784	0.0100				
SS00252-SS00253	SS00252	SS00253	CONDUIT	386.3	
0.3728	0.0100				
SS00253-SS00254	SS00253	SS00254	CONDUIT	350.4	
0.2854	0.0100				
SS00254-SS00256	SS00254	SS00256	CONDUIT	381.7	
2.9512	0.0100				
SS00255-SS00254	SS00255	SS00254	CONDUIT	399.0	
0.5489	0.0100				
SS00256-SS00270	SS00256	SS00270	CONDUIT	378.8	
2.5246	0.0100				
SS00257-SS00256	SS00257	SS00256	CONDUIT	416.8	
0.8134	0.0100				
SS00258-SS00257	SS00258	SS00257	CONDUIT	378.8	
0.6679	0.0100				
SS00259-SS00258	SS00259	SS00258	CONDUIT	180.5	
1.6290	0.0150				

SS00260-SS00259	SS00260	SS00259	CONDUIT	300.0	2.5308	0.0150
SS00261-SS00260	SS00261	SS00260	CONDUIT	300.3	3.2751	0.0150
SS00262-SS00261	SS00262	SS00261	CONDUIT	258.8	2.2339	0.0150
SS00263-SS00256	SS00263	SS00256	CONDUIT	349.0	0.3553	0.0150
SS00264-SS00263	SS00264	SS00263	CONDUIT	400.2	0.3798	0.0150
SS00265-SS00264	SS00265	SS00264	CONDUIT	210.1	2.7283	0.0150
SS00266-SS00267	SS00266	SS00267	CONDUIT	273.9	0.4016	0.0150
SS00267-SS00268	SS00267	SS00268	CONDUIT	109.9	0.1729	0.0100
SS00268-SS00269	SS00268	SS00269	CONDUIT	287.0	0.3798	0.0100
SS00269-SS00270	SS00269	SS00270	CONDUIT	345.3	0.5329	0.0100
SS00270-SS00271	SS00270	SS00271	CONDUIT	42.5	1.2236	0.0100
SS00271-SS00277	SS00271	SS00277	CONDUIT	330.0	1.6760	0.0100
SS00272-SS00273	SS00272	SS00273	CONDUIT	275.1	1.7014	0.0150
SS00273-SS00274	SS00273	SS00274	CONDUIT	382.5	0.6222	0.0150
SS00274-SS00275	SS00274	SS00275	CONDUIT	136.1	1.1242	0.0100
SS00275-SS00303	SS00275	SS00303	CONDUIT	342.0	1.3919	0.0100
SS00276-SS00274	SS00276	SS00274	CONDUIT	247.3	2.1639	0.0100
SS00277-SS00276	SS00277	SS00276	CONDUIT	129.1	2.2934	0.0100
SS00278-SS00277	SS00278	SS00277	CONDUIT	409.1	0.7016	0.0100
SS00279-SS00278	SS00279	SS00278	CONDUIT	357.8	1.5346	0.0150
SS00280-SS00279	SS00280	SS00279	CONDUIT	175.2	2.3522	0.0150
SS00281-SS00280	SS00281	SS00280	CONDUIT	317.8	0.3965	0.0150
SS00282-SS00001	SS00282	SS00001	CONDUIT	211.6	1.1579	0.0100
SS00283-SS00123	SS00283	SS00123	CONDUIT	138.2	0.6802	0.0100
SS00284-SS00124	SS00284	SS00124	CONDUIT	260.2	4.7093	0.0100
SS00285-WWTF00001	SS00285	WWTF00001	CONDUIT	99.7	0.1003	0.0100
SS00286-SS00287	SS00286	SS00287	CONDUIT	258.8	0.3632	0.0100
SS00287-SS00288	SS00287	SS00288	CONDUIT	381.9	0.2330	0.0100
SS00288-SS00289	SS00288	SS00289	CONDUIT	391.2	0.3298	0.0100
SS00289-SS00290	SS00289	SS00290	CONDUIT	97.7	0.4401	0.0100
SS00290-SS00291	SS00290	SS00291	CONDUIT	399.1	1.4885	0.0100
SS00291-SS00047	SS00291	SS00047	CONDUIT	229.3		

0.5757	0.0100				
SS00292-SS00293	SS00292	SS00293	CONDUIT	343.7	
1.1522	0.0100				
SS00293-SS00294	SS00293	SS00294	CONDUIT	348.9	
2.2505	0.0100				
SS00294-SS00295	SS00294	SS00295	CONDUIT	383.9	
0.3048	0.0100				
SS00295-SS00182	SS00295	SS00182	CONDUIT	388.3	
0.5434	0.0100				
SS00296-SS00297	SS00296	SS00297	CONDUIT	148.7	
1.5200	0.0100				
SS00297-SS00298	SS00297	SS00298	CONDUIT	225.3	
1.1763	0.0100				
SS00298-SS00299	SS00298	SS00299	CONDUIT	418.3	
0.6455	0.0100				
SS00299-SS00300	SS00299	SS00300	CONDUIT	418.2	
0.7819	0.0100				
SS00300-SS00301	SS00300	SS00301	CONDUIT	219.8	
0.1729	0.0100				
SS00301-SS00302	SS00301	SS00302	CONDUIT	368.5	
0.1357	0.0100				
SS00302-SS00311	SS00302	SS00311	CONDUIT	212.2	
0.0424	0.0100				
SS00303-SS00317	SS00303	SS00317	CONDUIT	260.7	
1.9951	0.0100				
SS00304-SS00305	SS00304	SS00305	CONDUIT	246.2	
2.4581	0.0100				
SS00305-SS00306	SS00305	SS00306	CONDUIT	371.2	
1.0130	0.0100				
SS00306-SS00307	SS00306	SS00307	CONDUIT	403.7	
0.9884	0.0100				
SS00307-SS00308	SS00307	SS00308	CONDUIT	408.4	
1.0407	0.0100				
SS00308-SS00309	SS00308	SS00309	CONDUIT	211.3	
0.9371	0.0100				
SS00309-SS00310	SS00309	SS00310	CONDUIT	179.8	
0.9511	0.0100				
SS00310-SS00311	SS00310	SS00311	CONDUIT	376.6	
2.1885	0.0100				
SS00311-SS00312	SS00311	SS00312	CONDUIT	220.2	
0.1862	0.0100				
SS00312-SS00313	SS00312	SS00313	CONDUIT	399.7	
0.0926	0.0100				
SS00313-SS00314	SS00313	SS00314	CONDUIT	348.9	
0.1032	0.0100				
SS00314-SS00315	SS00314	SS00315	CONDUIT	402.6	
0.1863	0.0100				
SS00315-SS00111	SS00315	SS00111	CONDUIT	689.3	
0.1161	0.0100				
SSC00001-SS00255	SSC00001	SS00255	CONDUIT	222.0	
0.2883	0.0100				
SSC00002-SS00265	SSC00002	SS00265	CONDUIT	315.4	
0.6500	0.0150				
SSC00003-SS00264	SSC00003	SS00264	CONDUIT	289.6	
0.4385	0.0150				
SSC00004-SS00225	SSC00004	SS00225	CONDUIT	172.5	
0.4928	0.0100				
SSC00005-SS00244	SSC00005	SS00244	CONDUIT	178.9	
0.2012	0.0100				
SSC00006-SS00231	SSC00006	SS00231	CONDUIT	51.2	
0.1953	0.0100				
SSC00007-SS00015	SSC00007	SS00015	CONDUIT	130.5	
0.1533	0.0100				

SS00203N-SSS00203E	SS00203N	SS00203E	CONDUIT	1.0	20.4124	0.0100
SS00316-SS00046	SS00316	SS00046	CONDUIT	284.9	0.6247	0.0100
SS00317-SS00304	SS00317	SS00304	CONDUIT	149.0	2.1007	0.0100
Future_8inch_Pipe	LS00001	SS00163	CONDUIT	1705.8	0.9345	0.0160

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Cross Section Summary
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Conduit	Shape	Full Depth	Full Area	Hyd. Rad.	Max. Width	No. of Barrels	Full Flow
SS00001-SS00002	CIRCULAR	1.00	0.79	0.25	1.00	1	1813.84
SS00002-SS00003	CIRCULAR	1.00	0.79	0.25	1.00	1	1524.10
SS00003-SS00004	CIRCULAR	1.00	0.79	0.25	1.00	1	1988.01
SS00004-SS00005	CIRCULAR	1.00	0.79	0.25	1.00	1	3442.01
SS00005-SS00006	CIRCULAR	1.00	0.79	0.25	1.00	1	1968.42
SS00006-SS00007	CIRCULAR	1.00	0.79	0.25	1.00	1	1149.55
SS00007-SS00008	CIRCULAR	1.00	0.79	0.25	1.00	1	1595.07
SS00008-SS00009	CIRCULAR	1.00	0.79	0.25	1.00	1	2643.41
SS00009-SS00012	CIRCULAR	1.00	0.79	0.25	1.00	1	2653.40
SS00010-SS00009	CIRCULAR	1.00	0.79	0.25	1.00	1	2095.35
SS00011-SS00010	CIRCULAR	1.00	0.79	0.25	1.00	1	1990.90
SS00012-SS00013	CIRCULAR	1.00	0.79	0.25	1.00	1	4513.91
SS00013-SS00014	CIRCULAR	1.00	0.79	0.25	1.00	1	1402.61
SS00014-SS00015	CIRCULAR	1.00	0.79	0.25	1.00	1	2985.45
SS00015-SS00016	CIRCULAR	1.00	0.79	0.25	1.00	1	1170.44
SS00016-SS00017	CIRCULAR	1.00	0.79	0.25	1.00	1	1240.13
SS00017-SS00032	CIRCULAR	1.00	0.79	0.25	1.00	1	1451.15
SS00018-SS00017	CIRCULAR	0.67	0.35	0.17	0.67	1	521.98
SS00019-SS00020	CIRCULAR	0.67	0.35	0.17	0.67	1	548.39
SS00020-SS00021	CIRCULAR	0.67	0.35	0.17	0.67	1	1305.36
SS00021-SS00022	CIRCULAR	0.67	0.35	0.17	0.67	1	1056.24
SS00022-SS00023	CIRCULAR	0.67	0.35	0.17	0.67	1	

425.90						
SS00023-SS00024	CIRCULAR	0.67	0.35	0.17	0.67	1
445.55						
SS00024-SS00025	CIRCULAR	0.83	0.54	0.21	0.83	1
740.27						
SS00025-SS00026	CIRCULAR	0.83	0.54	0.21	0.83	1
1207.73						
SS00026-SS00027	CIRCULAR	0.83	0.54	0.21	0.83	1
815.70						
SS00027-SS00028	CIRCULAR	0.83	0.54	0.21	0.83	1
884.18						
SS00028-SS00029	CIRCULAR	0.83	0.54	0.21	0.83	1
2307.63						
SS00029-SS00286	CIRCULAR	1.00	0.79	0.25	1.00	1
723.35						
SS00030-SS00029	CIRCULAR	1.00	0.79	0.25	1.00	1
1275.87						
SS00031-SS00030	CIRCULAR	1.00	0.79	0.25	1.00	1
1301.11						
SS00032-SS00031	CIRCULAR	1.00	0.79	0.25	1.00	1
1152.82						
SS00033-SS00034	CIRCULAR	0.83	0.54	0.21	0.83	1
628.63						
SS00034-SS00035	CIRCULAR	0.83	0.54	0.21	0.83	1
846.44						
SS00035-SS00036	CIRCULAR	0.83	0.54	0.21	0.83	1
791.99						
SS00036-SS00037	CIRCULAR	0.83	0.54	0.21	0.83	1
795.65						
SS00037-SS00038	CIRCULAR	0.83	0.54	0.21	0.83	1
933.10						
SS00038-SS00039	CIRCULAR	0.83	0.54	0.21	0.83	1
785.85						
SS00039-SS00040	CIRCULAR	0.83	0.54	0.21	0.83	1
825.53						
SS00040-SS00041	CIRCULAR	0.83	0.54	0.21	0.83	1
732.65						
SS00041-SS00029	CIRCULAR	0.83	0.54	0.21	0.83	1
2273.59						
SS00042-SS00043	CIRCULAR	0.67	0.35	0.17	0.67	1
807.61						
SS00043-SS00044	CIRCULAR	0.67	0.35	0.17	0.67	1
475.91						
SS00044-SS00045	CIRCULAR	0.67	0.35	0.17	0.67	1
909.85						
SS00045-SS00316	CIRCULAR	0.67	0.35	0.17	0.67	1
558.55						
SS00046-SS00049	CIRCULAR	0.67	0.35	0.17	0.67	1
783.90						
SS00047-SS00048	CIRCULAR	0.83	0.54	0.21	0.83	1
901.52						
SS00048-SS00049	CIRCULAR	0.83	0.54	0.21	0.83	1
873.65						
SS00049-SS00050	CIRCULAR	0.83	0.54	0.21	0.83	1
877.99						
SS00050-SS00051	CIRCULAR	0.83	0.54	0.21	0.83	1
975.61						
SS00051-SS00052	CIRCULAR	0.83	0.54	0.21	0.83	1
966.96						
SS00052-SS00060	CIRCULAR	0.83	0.54	0.21	0.83	1
1326.02						
SS00053-SS00242	CIRCULAR	1.25	1.23	0.31	1.25	1
1141.65						

SS00054-SS00053	CIRCULAR	1.00	0.79	0.25	1.00	1
3944.13						
SS00055-SS00054	CIRCULAR	1.00	0.79	0.25	1.00	1
4778.54						
SS00056-SS00055	CIRCULAR	1.00	0.79	0.25	1.00	1
4056.16						
SS00057-SS00056	CIRCULAR	1.00	0.79	0.25	1.00	1
1943.11						
SS00058-SS00057	CIRCULAR	1.00	0.79	0.25	1.00	1
1706.38						
SS00059-SS00058	CIRCULAR	1.00	0.79	0.25	1.00	1
3104.81						
SS00060-SS00059	CIRCULAR	1.00	0.79	0.25	1.00	1
3408.67						
SS00061-SS00062	CIRCULAR	0.83	0.54	0.21	0.83	1
1657.60						
SS00062-SS00063	CIRCULAR	0.83	0.54	0.21	0.83	1
1836.70						
SS00063-SS00064	CIRCULAR	0.83	0.54	0.21	0.83	1
2246.06						
SS00064-SS00065	CIRCULAR	0.83	0.54	0.21	0.83	1
1250.05						
SS00065-SS00112	CIRCULAR	0.67	0.35	0.17	0.67	1
573.58						
SS00066-SS00067	CIRCULAR	0.67	0.35	0.17	0.67	1
724.69						
SS00067-SS00068	CIRCULAR	0.67	0.35	0.17	0.67	1
600.61						
SS00068-SS00069	CIRCULAR	0.67	0.35	0.17	0.67	1
613.04						
SS00069-SS00076	CIRCULAR	0.67	0.35	0.17	0.67	1
725.09						
SS00070-SS00073	CIRCULAR	0.67	0.35	0.17	0.67	1
650.43						
SS00071-SS00072	CIRCULAR	0.67	0.35	0.17	0.67	1
582.50						
SS00072-SS00073	CIRCULAR	0.67	0.35	0.17	0.67	1
635.49						
SS00073-SS00074	CIRCULAR	0.67	0.35	0.17	0.67	1
854.05						
SS00074-SS00075	CIRCULAR	0.67	0.35	0.17	0.67	1
854.39						
SS00075-SS00076	CIRCULAR	0.67	0.35	0.17	0.67	1
948.45						
SS00076-SS00077	CIRCULAR	0.67	0.35	0.17	0.67	1
888.35						
SS00077-SS00078	CIRCULAR	0.67	0.35	0.17	0.67	1
922.45						
SS00078-SS00079	CIRCULAR	0.67	0.35	0.17	0.67	1
886.39						
SS00079-SS00081	CIRCULAR	0.67	0.35	0.17	0.67	1
918.41						
SS00080-SS00079	CIRCULAR	0.67	0.35	0.17	0.67	1
625.14						
SS00081-SS00082	CIRCULAR	0.67	0.35	0.17	0.67	1
748.36						
SS00082-SS00083	CIRCULAR	0.67	0.35	0.17	0.67	1
500.18						
SS00083-SS00086	CIRCULAR	0.67	0.35	0.17	0.67	1
529.25						
SS00084-SS00085	CIRCULAR	0.67	0.35	0.17	0.67	1
596.26						
SS00085-SS00087	CIRCULAR	0.67	0.35	0.17	0.67	1

476.68						
SS00086-SS00085	CIRCULAR	0.67	0.35	0.17	0.67	1
564.36						
SS00087-SS00088	CIRCULAR	0.67	0.35	0.17	0.67	1
483.04						
SS00088-SS00099	CIRCULAR	0.67	0.35	0.17	0.67	1
478.64						
SS00089-SS00090	CIRCULAR	0.67	0.35	0.17	0.67	1
1095.38						
SS00090-SS00091	CIRCULAR	0.67	0.35	0.17	0.67	1
1281.24						
SS00091-SS00092	CIRCULAR	0.67	0.35	0.17	0.67	1
1248.04						
SS00092-SS00093	CIRCULAR	0.67	0.35	0.17	0.67	1
699.69						
SS00093-SS00094	CIRCULAR	0.67	0.35	0.17	0.67	1
643.08						
SS00094-SS00095	CIRCULAR	0.67	0.35	0.17	0.67	1
639.69						
SS00095-SS00097	CIRCULAR	0.67	0.35	0.17	0.67	1
842.64						
SS00096-SS00095	CIRCULAR	0.67	0.35	0.17	0.67	1
813.65						
SS00097-SS00098	CIRCULAR	0.67	0.35	0.17	0.67	1
913.65						
SS00098-SS00099	CIRCULAR	0.67	0.35	0.17	0.67	1
1460.79						
SS00099-SS00100	CIRCULAR	0.83	0.54	0.21	0.83	1
1824.64						
SS00100-SS00101	CIRCULAR	0.83	0.54	0.21	0.83	1
1901.50						
SS00101-SS00053	CIRCULAR	0.67	0.35	0.17	0.67	1
412.25						
SS00102-SS00285	CIRCULAR	1.75	2.41	0.44	1.75	1
2450.88						
SS00103-SS00102	CIRCULAR	1.75	2.41	0.44	1.75	1
3241.08						
SS00104-SS00103	CIRCULAR	1.75	2.41	0.44	1.75	1
3588.28						
SS00105-SS00104	CIRCULAR	1.75	2.41	0.44	1.75	1
2607.80						
SS00106-SS00105	CIRCULAR	1.75	2.41	0.44	1.75	1
4086.18						
SS00107-SS00106	CIRCULAR	1.75	2.41	0.44	1.75	1
3086.84						
SS00108-SS00107	CIRCULAR	1.75	2.41	0.44	1.75	1
2523.52						
SS00109-SS00108	CIRCULAR	1.75	2.41	0.44	1.75	1
2004.51						
SS00110-SS00109	CIRCULAR	1.75	2.41	0.44	1.75	1
3906.84						
SS00111-SS00110	CIRCULAR	2.50	4.91	0.63	2.50	1
6055.80						
SS00112-SS00113	CIRCULAR	0.67	0.35	0.17	0.67	1
1356.49						
SS00113-SS00114	CIRCULAR	0.67	0.35	0.17	0.67	1
881.84						
SS00114-SS00115	CIRCULAR	0.67	0.35	0.17	0.67	1
986.96						
SS00115-SS00116	CIRCULAR	0.67	0.35	0.17	0.67	1
1003.01						
SS00116-SS00117	CIRCULAR	0.67	0.35	0.17	0.67	1
971.13						

SS00117-SS00118	CIRCULAR	0.67	0.35	0.17	0.67	1
904.66						
SS00118-SS00119	CIRCULAR	0.67	0.35	0.17	0.67	1
1210.82						
SS00119-SS00120	CIRCULAR	0.67	0.35	0.17	0.67	1
1060.41						
SS00120-SS00121	CIRCULAR	0.67	0.35	0.17	0.67	1
1590.62						
SS00121-SS00122	CIRCULAR	0.67	0.35	0.17	0.67	1
1516.23						
SS00122-SS00123	CIRCULAR	0.67	0.35	0.17	0.67	1
470.33						
SS00123-SS00183	CIRCULAR	0.83	0.54	0.21	0.83	1
2541.58						
SS00124-SS00123	CIRCULAR	0.67	0.35	0.17	0.67	1
549.98						
SS00125-SS00284	CIRCULAR	0.67	0.35	0.17	0.67	1
1564.37						
SS00126-SS00125	CIRCULAR	0.67	0.35	0.17	0.67	1
1371.89						
SS00127-SS00126	CIRCULAR	0.67	0.35	0.17	0.67	1
899.29						
SS00128-SS00127	CIRCULAR	0.67	0.35	0.17	0.67	1
867.91						
SS00129-SS00128	CIRCULAR	0.67	0.35	0.17	0.67	1
801.06						
SS00130-SS00129	CIRCULAR	0.67	0.35	0.17	0.67	1
624.60						
SS00131-SS00130	CIRCULAR	0.67	0.35	0.17	0.67	1
639.22						
SS00132-SS00131	CIRCULAR	0.67	0.35	0.17	0.67	1
571.76						
SS00133-SS00126	CIRCULAR	0.67	0.35	0.17	0.67	1
742.11						
SS00134-SS00133	CIRCULAR	0.67	0.35	0.17	0.67	1
729.08						
SS00135-SS00134	CIRCULAR	0.67	0.35	0.17	0.67	1
683.40						
SS00136-SS00135	CIRCULAR	0.67	0.35	0.17	0.67	1
711.07						
SS00137-SS00284	CIRCULAR	0.67	0.35	0.17	0.67	1
1014.27						
SS00138-SS00139	CIRCULAR	0.67	0.35	0.17	0.67	1
948.74						
SS00139-SS00140	CIRCULAR	0.67	0.35	0.17	0.67	1
988.22						
SS00140-SS00141	CIRCULAR	0.67	0.35	0.17	0.67	1
898.64						
SS00141-SS00142	CIRCULAR	0.67	0.35	0.17	0.67	1
982.57						
SS00142-SS00143	CIRCULAR	0.67	0.35	0.17	0.67	1
956.55						
SS00143-SS00144	CIRCULAR	0.67	0.35	0.17	0.67	1
891.07						
SS00144-SS00120	CIRCULAR	0.67	0.35	0.17	0.67	1
864.19						
SS00145-SS00152	CIRCULAR	0.67	0.35	0.17	0.67	1
1120.46						
SS00146-SS00147	CIRCULAR	0.67	0.35	0.17	0.67	1
507.73						
SS00147-SS00148	CIRCULAR	0.67	0.35	0.17	0.67	1
420.93						
SS00148-SS00149	CIRCULAR	0.67	0.35	0.17	0.67	1

704.14							
SS00149-SS00150	CIRCULAR	0.67	0.35	0.17	0.67	1	
917.50							
SS00150-SS00161	CIRCULAR	0.83	0.54	0.21	0.83	1	
854.74							
SS00151-SS00150	CIRCULAR	0.67	0.35	0.17	0.67	1	
401.00							
SS00152-SS00151	CIRCULAR	0.67	0.35	0.17	0.67	1	
1297.91							
SS00153-SS00151	CIRCULAR	0.67	0.35	0.17	0.67	1	
592.08							
SS00154-SS00153	CIRCULAR	0.67	0.35	0.17	0.67	1	
438.19							
SS00155-SS00154	CIRCULAR	0.67	0.35	0.17	0.67	1	
717.34							
SS00156-SS00157	CIRCULAR	0.67	0.35	0.17	0.67	1	
1140.43							
SS00157-SS00158	CIRCULAR	0.67	0.35	0.17	0.67	1	
1175.18							
SS00158-SS00154	CIRCULAR	0.67	0.35	0.17	0.67	1	
1224.81							
SS00159-SS00154	CIRCULAR	0.67	0.35	0.17	0.67	1	
473.42							
SS00160-SS00159	CIRCULAR	0.67	0.35	0.17	0.67	1	
500.44							
SS00161-SS00162	CIRCULAR	0.83	0.54	0.21	0.83	1	
411.63							
SS00162-SS00184	CIRCULAR	0.83	0.54	0.21	0.83	1	
752.62							
SS00163-SS00164	CIRCULAR	0.67	0.35	0.17	0.67	1	
817.38							
SS00164-SS00165	CIRCULAR	0.67	0.35	0.17	0.67	1	
760.72							
SS00165-SS00166	CIRCULAR	0.67	0.35	0.17	0.67	1	
778.43							
SS00166-SS00167	CIRCULAR	0.67	0.35	0.17	0.67	1	
929.28							
SS00167-SS00168	CIRCULAR	0.67	0.35	0.17	0.67	1	
889.32							
SS00168-SS00169	CIRCULAR	0.67	0.35	0.17	0.67	1	
897.46							
SS00169-SS00170	CIRCULAR	0.67	0.35	0.17	0.67	1	
957.43							
SS00170-SS00173	CIRCULAR	0.67	0.35	0.17	0.67	1	
1064.01							
SS00171-SS00170	CIRCULAR	0.67	0.35	0.17	0.67	1	
694.56							
SS00172-SS00171	CIRCULAR	0.67	0.35	0.17	0.67	1	
742.47							
SS00173-SS00179	CIRCULAR	0.67	0.35	0.17	0.67	1	
1345.28							
SS00174-SS00172	CIRCULAR	0.67	0.35	0.17	0.67	1	
603.21							
SS00175-SS00174	CIRCULAR	0.67	0.35	0.17	0.67	1	
782.14							
SS00176-SS00175	CIRCULAR	0.67	0.35	0.17	0.67	1	
1224.69							
SS00177-SS00176	CIRCULAR	0.67	0.35	0.17	0.67	1	
1025.33							
SS00178-SS00176	CIRCULAR	0.67	0.35	0.17	0.67	1	
1059.49							
SS00179-SS00180	CIRCULAR	2.00	3.14	0.50	2.00	1	
13385.81							

SS00180-SS00296	CIRCULAR	1.25	1.23	0.31	1.25	1
2469.99						
SS00181-SS00179	CIRCULAR	2.00	3.14	0.50	2.00	1
2805.17						
SS00182-SS00181	CIRCULAR	2.00	3.14	0.50	2.00	1
4908.77						
SS00183-SS00182	CIRCULAR	0.83	0.54	0.21	0.83	1
1025.98						
SS00184-SS00183	CIRCULAR	0.83	0.54	0.21	0.83	1
820.67						
SS00185-SS00186	CIRCULAR	0.67	0.35	0.17	0.67	1
516.45						
SS00186-SS00187	CIRCULAR	0.67	0.35	0.17	0.67	1
595.50						
SS00187-SS00188	CIRCULAR	0.67	0.35	0.17	0.67	1
635.67						
SS00188-SS00189	CIRCULAR	0.67	0.35	0.17	0.67	1
859.93						
SS00189-SS00190	CIRCULAR	0.67	0.35	0.17	0.67	1
960.42						
SS00190-SS00191	CIRCULAR	0.67	0.35	0.17	0.67	1
908.37						
SS00191-SS00214	CIRCULAR	0.67	0.35	0.17	0.67	1
631.06						
SS00192-SS00191	CIRCULAR	0.67	0.35	0.17	0.67	1
558.81						
SS00193-SS00192	CIRCULAR	0.67	0.35	0.17	0.67	1
648.85						
SS00194-SS00193	CIRCULAR	0.67	0.35	0.17	0.67	1
662.20						
SS00195-SS00194	CIRCULAR	0.67	0.35	0.17	0.67	1
567.05						
SS00196-SS00195	CIRCULAR	0.67	0.35	0.17	0.67	1
930.54						
SS00197-SS00198	CIRCULAR	0.67	0.35	0.17	0.67	1
977.11						
SS00198-SS00199	CIRCULAR	0.67	0.35	0.17	0.67	1
704.61						
SS00199-SS00200	CIRCULAR	0.67	0.35	0.17	0.67	1
612.59						
SS00200-SS00194	CIRCULAR	0.67	0.35	0.17	0.67	1
500.39						
SS00201-SS00200	CIRCULAR	0.67	0.35	0.17	0.67	1
668.78						
SS00202-SS00201	CIRCULAR	0.67	0.35	0.17	0.67	1
568.31						
SS00203E-SS00202	CIRCULAR	0.67	0.35	0.17	0.67	1
606.76						
SS00203N-SS00204	CIRCULAR	0.67	0.35	0.17	0.67	1
573.26						
SS00204-SS00198	CIRCULAR	0.67	0.35	0.17	0.67	1
594.72						
SS00205-SS00204	CIRCULAR	0.67	0.35	0.17	0.67	1
550.18						
SS00206-SS00207	CIRCULAR	0.67	0.35	0.17	0.67	1
712.95						
SS00207-SS00208	CIRCULAR	0.67	0.35	0.17	0.67	1
702.31						
SS00208-SS00209	CIRCULAR	0.67	0.35	0.17	0.67	1
608.64						
SS00209-SS00210	CIRCULAR	0.67	0.35	0.17	0.67	1
976.98						
SS00210-SS00211	CIRCULAR	0.67	0.35	0.17	0.67	1

478.98						
SS00211-SS00212	CIRCULAR	0.83	0.54	0.21	0.83	1
869.94						
SS00212-SS00222	CIRCULAR	0.83	0.54	0.21	0.83	1
1499.53						
SS00213-SS00247	CIRCULAR	1.00	0.79	0.25	1.00	1
1038.62						
SS00214-SS00222	CIRCULAR	1.00	0.79	0.25	1.00	1
3987.05						
SS00215-SS00214	CIRCULAR	1.00	0.79	0.25	1.00	1
2941.34						
SS00216-SS00215	CIRCULAR	1.00	0.79	0.25	1.00	1
2187.82						
SS00217-SS00218	CIRCULAR	0.67	0.35	0.17	0.67	1
602.11						
SS00218-SS00209	CIRCULAR	0.67	0.35	0.17	0.67	1
667.88						
SS00219-SS00210	CIRCULAR	0.67	0.35	0.17	0.67	1
489.97						
SS00220-SS00219	CIRCULAR	0.67	0.35	0.17	0.67	1
475.69						
SS00221-SS00210	CIRCULAR	0.67	0.35	0.17	0.67	1
734.66						
SS00222-SS00213	CIRCULAR	1.00	0.79	0.25	1.00	1
909.61						
SS00223-SS00224	CIRCULAR	0.67	0.35	0.17	0.67	1
824.95						
SS00224-SS00225	CIRCULAR	0.67	0.35	0.17	0.67	1
569.40						
SS00225-SS00226	CIRCULAR	0.67	0.35	0.17	0.67	1
530.75						
SS00226-SS00234	CIRCULAR	0.67	0.35	0.17	0.67	1
496.34						
SS00227-SS00226	CIRCULAR	0.67	0.35	0.17	0.67	1
842.85						
SS00228-SS00229	CIRCULAR	0.67	0.35	0.17	0.67	1
625.59						
SS00229-SS00230	CIRCULAR	0.67	0.35	0.17	0.67	1
492.19						
SS00230-SS00231	CIRCULAR	0.67	0.35	0.17	0.67	1
732.73						
SS00231-SS00232	CIRCULAR	0.67	0.35	0.17	0.67	1
731.52						
SS00232-LS00001	CIRCULAR	0.67	0.35	0.17	0.67	1
2218.69						
SS00233-SS00232	CIRCULAR	0.67	0.35	0.17	0.67	1
600.65						
SS00234-SS00233	CIRCULAR	0.67	0.35	0.17	0.67	1
528.61						
SS00235-SS00236	CIRCULAR	0.67	0.35	0.17	0.67	1
656.92						
SS00236-SS00237	CIRCULAR	0.67	0.35	0.17	0.67	1
578.03						
SS00237-SS00238	CIRCULAR	0.67	0.35	0.17	0.67	1
559.36						
SS00238-SS00239	CIRCULAR	0.67	0.35	0.17	0.67	1
771.41						
SS00239-LS00001	CIRCULAR	0.67	0.35	0.17	0.67	1
638.82						
SS00240-SS00292	CIRCULAR	1.50	1.77	0.38	1.50	1
9629.03						
SS00241-SS00240	CIRCULAR	1.75	2.41	0.44	1.75	1
16307.70						

SS00242-SS00241	CIRCULAR	1.25	1.23	0.31	1.25	1
1764.92						
SS00243-SS00244	CIRCULAR	0.67	0.35	0.17	0.67	1
1548.44						
SS00244-SS00245	CIRCULAR	0.67	0.35	0.17	0.67	1
573.61						
SS00245-SS00246	CIRCULAR	0.67	0.35	0.17	0.67	1
627.97						
SS00246-SS00213	CIRCULAR	0.67	0.35	0.17	0.67	1
677.51						
SS00247-SS00252	CIRCULAR	1.00	0.79	0.25	1.00	1
953.10						
SS00248-SS00247	CIRCULAR	0.67	0.35	0.17	0.67	1
714.73						
SS00249-SS00248	CIRCULAR	0.67	0.35	0.17	0.67	1
504.19						
SS00250-SS00249	CIRCULAR	0.67	0.35	0.17	0.67	1
443.85						
SS00251-SS00250	CIRCULAR	0.67	0.35	0.17	0.67	1
1460.37						
SS00252-SS00253	CIRCULAR	1.00	0.79	0.25	1.00	1
1269.22						
SS00253-SS00254	CIRCULAR	1.00	0.79	0.25	1.00	1
1110.55						
SS00254-SS00256	CIRCULAR	1.00	0.79	0.25	1.00	1
3571.25						
SS00255-SS00254	CIRCULAR	0.67	0.35	0.17	0.67	1
523.07						
SS00256-SS00270	CIRCULAR	1.00	0.79	0.25	1.00	1
3303.02						
SS00257-SS00256	CIRCULAR	0.67	0.35	0.17	0.67	1
636.74						
SS00258-SS00257	CIRCULAR	0.67	0.35	0.17	0.67	1
577.01						
SS00259-SS00258	CIRCULAR	0.67	0.35	0.17	0.67	1
600.75						
SS00260-SS00259	CIRCULAR	0.67	0.35	0.17	0.67	1
748.79						
SS00261-SS00260	CIRCULAR	0.67	0.35	0.17	0.67	1
851.81						
SS00262-SS00261	CIRCULAR	0.67	0.35	0.17	0.67	1
703.50						
SS00263-SS00256	CIRCULAR	0.67	0.35	0.17	0.67	1
280.56						
SS00264-SS00263	CIRCULAR	0.67	0.35	0.17	0.67	1
290.08						
SS00265-SS00264	CIRCULAR	0.50	0.20	0.13	0.50	1
360.52						
SS00266-SS00267	CIRCULAR	0.50	0.20	0.13	0.50	1
138.32						
SS00267-SS00268	CIRCULAR	0.50	0.20	0.13	0.50	1
136.13						
SS00268-SS00269	CIRCULAR	0.67	0.35	0.17	0.67	1
435.11						
SS00269-SS00270	CIRCULAR	0.67	0.35	0.17	0.67	1
515.39						
SS00270-SS00271	CIRCULAR	1.00	0.79	0.25	1.00	1
2299.54						
SS00271-SS00277	CIRCULAR	1.00	0.79	0.25	1.00	1
2691.25						
SS00272-SS00273	CIRCULAR	0.67	0.35	0.17	0.67	1
613.96						
SS00273-SS00274	CIRCULAR	0.67	0.35	0.17	0.67	1

371.28							
SS00274-SS00275	CIRCULAR	1.00	0.79	0.25	1.00	1	
2204.19							
SS00275-SS00303	CIRCULAR	1.00	0.79	0.25	1.00	1	
2452.62							
SS00276-SS00274	CIRCULAR	1.00	0.79	0.25	1.00	1	
3057.97							
SS00277-SS00276	CIRCULAR	1.00	0.79	0.25	1.00	1	
3148.17							
SS00278-SS00277	CIRCULAR	0.67	0.35	0.17	0.67	1	
591.36							
SS00279-SS00278	CIRCULAR	0.67	0.35	0.17	0.67	1	
583.07							
SS00280-SS00279	CIRCULAR	0.67	0.35	0.17	0.67	1	
721.89							
SS00281-SS00280	CIRCULAR	0.67	0.35	0.17	0.67	1	
296.37							
SS00282-SS00001	CIRCULAR	0.67	0.35	0.17	0.67	1	
759.73							
SS00283-SS00123	CIRCULAR	0.67	0.35	0.17	0.67	1	
582.28							
SS00284-SS00124	CIRCULAR	0.67	0.35	0.17	0.67	1	
1532.14							
SS00285-WWTF00001	CIRCULAR	1.75	2.41	0.44	1.75	1	
2928.01							
SS00286-SS00287	CIRCULAR	0.67	0.35	0.17	0.67	1	
425.50							
SS00287-SS00288	CIRCULAR	0.67	0.35	0.17	0.67	1	
340.83							
SS00288-SS00289	CIRCULAR	0.67	0.35	0.17	0.67	1	
405.43							
SS00289-SS00290	CIRCULAR	0.67	0.35	0.17	0.67	1	
468.39							
SS00290-SS00291	CIRCULAR	0.67	0.35	0.17	0.67	1	
861.38							
SS00291-SS00047	CIRCULAR	0.67	0.35	0.17	0.67	1	
535.68							
SS00292-SS00293	CIRCULAR	1.50	1.77	0.38	1.50	1	
6579.11							
SS00293-SS00294	CIRCULAR	1.50	1.77	0.38	1.50	1	
9194.63							
SS00294-SS00295	CIRCULAR	1.50	1.77	0.38	1.50	1	
3383.61							
SS00295-SS00182	CIRCULAR	1.50	1.77	0.38	1.50	1	
4518.10							
SS00296-SS00297	CIRCULAR	1.25	1.23	0.31	1.25	1	
4646.96							
SS00297-SS00298	CIRCULAR	1.25	1.23	0.31	1.25	1	
4087.92							
SS00298-SS00299	CIRCULAR	1.25	1.23	0.31	1.25	1	
3028.22							
SS00299-SS00300	CIRCULAR	1.25	1.23	0.31	1.25	1	
3332.99							
SS00300-SS00301	CIRCULAR	1.25	1.23	0.31	1.25	1	
1567.20							
SS00301-SS00302	CIRCULAR	1.25	1.23	0.31	1.25	1	
1388.39							
SS00302-SS00311	CIRCULAR	1.25	1.23	0.31	1.25	1	
776.24							
SS00303-SS00317	CIRCULAR	1.00	0.79	0.25	1.00	1	
2936.30							
SS00304-SS00305	CIRCULAR	1.25	1.23	0.31	1.25	1	
5909.41							

SS00305-SS00306	CIRCULAR	1.25	1.23	0.31	1.25	1	3793.55
SS00306-SS00307	CIRCULAR	1.25	1.23	0.31	1.25	1	3747.25
SS00307-SS00308	CIRCULAR	1.25	1.23	0.31	1.25	1	3845.11
SS00308-SS00309	CIRCULAR	1.25	1.23	0.31	1.25	1	3648.69
SS00309-SS00310	CIRCULAR	1.25	1.23	0.31	1.25	1	3675.85
SS00310-SS00311	CIRCULAR	1.25	1.23	0.31	1.25	1	5575.97
SS00311-SS00312	CIRCULAR	1.75	2.41	0.44	1.75	1	3989.36
SS00312-SS00313	CIRCULAR	1.75	2.41	0.44	1.75	1	2812.90
SS00313-SS00314	CIRCULAR	1.75	2.41	0.44	1.75	1	2969.75
SS00314-SS00315	CIRCULAR	1.75	2.41	0.44	1.75	1	3990.38
SS00315-SS00111	CIRCULAR	2.50	4.91	0.63	2.50	1	8153.28
SSC00001-SS00255	CIRCULAR	0.50	0.20	0.13	0.50	1	175.79
SSC00002-SS00265	CIRCULAR	0.50	0.20	0.13	0.50	1	175.97
SSC00003-SS00264	CIRCULAR	0.67	0.35	0.17	0.67	1	311.70
SSC00004-SS00225	CIRCULAR	0.33	0.09	0.08	0.33	1	77.74
SSC00005-SS00244	CIRCULAR	0.67	0.35	0.17	0.67	1	316.71
SSC00006-SS00231	CIRCULAR	0.67	0.35	0.17	0.67	1	312.02
SSC00007-SS00015	CIRCULAR	0.83	0.54	0.21	0.83	1	499.94
SS00203N-SSS00203E	CIRCULAR	1.00	0.79	0.25	1.00	1	9392.16
SS00316-SS00046	CIRCULAR	0.67	0.35	0.17	0.67	1	558.03
SS00317-SS00304	CIRCULAR	1.00	0.79	0.25	1.00	1	3013.02
Future_8inch_Pipe	CIRCULAR	0.67	0.35	0.17	0.67	1	426.58

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

****
Analysis Options
****
Flow Units ..... GPM
Process Models:
  Rainfall/Runoff ..... NO
  RDII ..... NO
  Snowmelt ..... NO
  Groundwater ..... NO
  Flow Routing ..... YES

  Ponding Allowed ..... YES
  Water Quality ..... NO
Flow Routing Method ..... DYNWAVE
Starting Date 07/26/2016 00:00:00
Ending Date 07/30/2016 00:00:00
Antecedent Dry Days 0.0
Report Time Step 00:00:05
Routing Time Step ..... 5.00 sec
Variable Time Step ..... YES
Maximum Trials 20
Number of Threads 1
Head Tolerance ..... 0.005000 ft

Flow Routing Continuity	Volume acre-feet	Volume 10^6 gal
Dry Weather Inflow	0.000	0.000
Wet Weather Inflow	0.000	0.000
Groundwater Inflow	0.000	0.000
RDII Inflow	0.000	0.000
External Inflow	14.522	4.732
External Outflow	14.407	4.695
Flooding Loss	0.000	0.000
Evaporation Loss	0.000	0.000
Exfiltration Loss	0.000	0.000
Initial Stored Volume	0.000	0.000
Final Stored Volume	0.110	0.036
Continuity Error (%)	0.034	

****
Highest Continuity Errors
****
Node SS00273 (1.52%)

****
Time-Step Critical Elements
****
Link SS00110-SS00109 (99.37%)

****
Highest Flow Instability Indexes
****
All links are stable.

****
Routing Time Step Summary
****
Minimum Time Step	:	0.28 sec
Average Time Step	:	2.30 sec
Maximum Time Step	:	5.00 sec
Percent in Steady State	:	0.00
Average Iterations per Step	:	2.00
Percent Not Converging	:	0.00

****
Node Depth Summary
****

Node	Type	Average Depth Feet	Maximum Depth Feet	Maximum HGL Feet	Time of Max Occurrence days hr:min	Reported Max Depth Feet
LS00001	JUNCTION	0.08	0.10	5005.15	0 09:24	0.10
SS00001	JUNCTION	0.12	0.15	5074.50	2 09:01	0.15
SS00002	JUNCTION	0.15	0.19	5073.36	2 09:02	0.19
SS00003	JUNCTION	0.11	0.15	5072.37	0 09:03	0.15
SS00004	JUNCTION	0.09	0.11	5070.82	2 09:04	0.11
SS00005	JUNCTION	0.11	0.15	5065.63	0 09:05	0.15
SS00006	JUNCTION	0.15	0.19	5061.90	0 09:06	0.19
SS00007	JUNCTION	0.13	0.17	5061.34	2 09:07	0.17
SS00008	JUNCTION	0.10	0.13	5060.46	2 09:07	0.13
SS00009	JUNCTION	0.10	0.13	5058.08	2 09:08	0.13
SS00010	JUNCTION	0.02	0.03	5060.75	2 09:04	0.03
SS00011	JUNCTION	0.02	0.02	5063.23	2 09:03	0.02
SS00012	JUNCTION	0.08	0.10	5055.27	2 09:08	0.10
SS00013	JUNCTION	0.14	0.18	5049.17	2 09:09	0.18
SS00014	JUNCTION	0.10	0.13	5048.03	0 09:10	0.13
SS00015	JUNCTION	0.15	0.20	5045.26	2 09:11	0.20
SS00016	JUNCTION	0.15	0.19	5044.69	2 09:12	0.19
SS00017	JUNCTION	0.14	0.18	5043.89	0 09:13	0.18
SS00018	JUNCTION	0.02	0.02	5045.02	2 09:03	0.02
SS00019	JUNCTION	0.02	0.02	5072.36	2 09:02	0.02
SS00020	JUNCTION	0.01	0.02	5071.49	0 09:04	0.02
SS00021	JUNCTION	0.01	0.02	5063.71	0 09:08	0.02
SS00022	JUNCTION	0.03	0.03	5057.59	2 09:09	0.03
SS00023	JUNCTION	0.03	0.04	5056.89	0 09:10	0.04
SS00024	JUNCTION	0.04	0.05	5055.67	2 09:11	0.05
SS00025	JUNCTION	0.03	0.04	5054.33	2 09:15	0.04
SS00026	JUNCTION	0.04	0.06	5049.50	0 09:14	0.06
SS00027	JUNCTION	0.05	0.06	5048.34	2 09:15	0.06
SS00028	JUNCTION	0.03	0.04	5047.09	0 09:15	0.04
SS00029	JUNCTION	0.23	0.29	5040.89	0 09:17	0.29
SS00030	JUNCTION	0.15	0.19	5041.90	2 09:15	0.19
SS00031	JUNCTION	0.15	0.19	5042.52	2 09:14	0.19
SS00032	JUNCTION	0.16	0.20	5042.95	2 09:13	0.20
SS00033	JUNCTION	0.02	0.02	5054.83	2 09:04	0.02
SS00034	JUNCTION	0.02	0.03	5054.26	0 09:06	0.03
SS00035	JUNCTION	0.03	0.04	5052.85	0 09:10	0.04
SS00036	JUNCTION	0.04	0.05	5051.11	0 09:13	0.05
SS00037	JUNCTION	0.04	0.05	5049.29	0 09:13	0.05
SS00038	JUNCTION	0.04	0.06	5048.51	2 09:14	0.06
SS00039	JUNCTION	0.04	0.06	5047.72	2 09:14	0.06
SS00040	JUNCTION	0.05	0.06	5047.09	0 09:15	0.06
SS00041	JUNCTION	0.03	0.04	5046.27	0 09:16	0.04
SS00042	JUNCTION	0.01	0.01	5042.98	2 09:03	0.01
SS00043	JUNCTION	0.02	0.02	5040.44	2 09:07	0.02
SS00044	JUNCTION	0.02	0.02	5039.14	2 09:09	0.02
SS00045	JUNCTION	0.02	0.03	5033.78	2 09:13	0.03
SS00046	JUNCTION	0.02	0.03	5030.15	2 09:21	0.03
SS00047	JUNCTION	0.16	0.21	5028.89	2 09:28	0.21
SS00048	JUNCTION	0.16	0.21	5027.62	2 09:30	0.21
SS00049	JUNCTION	0.16	0.21	5025.78	0 09:31	0.21
SS00050	JUNCTION	0.16	0.20	5024.47	2 09:31	0.20
SS00051	JUNCTION	0.16	0.20	5023.13	2 09:33	0.20
SS00052	JUNCTION	0.13	0.17	5021.85	2 09:33	0.17
SS00053	JUNCTION	0.24	0.30	4973.01	0 09:40	0.30
SS00054	JUNCTION	0.10	0.12	4981.40	0 09:39	0.12
SS00055	JUNCTION	0.09	0.11	4993.44	0 09:38	0.11
SS00056	JUNCTION	0.09	0.12	5001.88	2 09:38	0.12

SS00057	JUNCTION	0.13	0.17	5004.78	0	09:37	0.17
SS00058	JUNCTION	0.14	0.19	5006.78	0	09:36	0.19
SS00059	JUNCTION	0.11	0.14	5012.64	2	09:35	0.14
SS00060	JUNCTION	0.10	0.13	5019.73	2	09:34	0.13
SS00061	JUNCTION	0.01	0.01	5023.49	2	09:05	0.01
SS00062	JUNCTION	0.01	0.02	5018.61	0	09:09	0.02
SS00063	JUNCTION	0.01	0.01	5009.85	2	09:12	0.01
SS00064	JUNCTION	0.02	0.02	4997.46	2	09:14	0.02
SS00065	JUNCTION	0.02	0.03	4993.86	2	09:16	0.03
SS00066	JUNCTION	0.01	0.02	5012.56	0	09:05	0.02
SS00067	JUNCTION	0.02	0.02	5009.82	2	09:08	0.02
SS00068	JUNCTION	0.02	0.02	5007.55	1	09:10	0.02
SS00069	JUNCTION	0.02	0.02	5005.30	2	09:11	0.02
SS00070	JUNCTION	0.01	0.01	5014.86	0	09:06	0.01
SS00071	JUNCTION	0.01	0.02	5017.51	2	09:05	0.02
SS00072	JUNCTION	0.01	0.02	5015.79	2	09:09	0.02
SS00073	JUNCTION	0.01	0.02	5013.67	2	09:11	0.02
SS00074	JUNCTION	0.02	0.02	5011.10	2	09:11	0.02
SS00075	JUNCTION	0.02	0.02	5006.94	0	09:13	0.02
SS00076	JUNCTION	0.02	0.03	5004.43	2	09:13	0.03
SS00077	JUNCTION	0.02	0.03	5001.12	0	09:16	0.03
SS00078	JUNCTION	0.02	0.03	4996.92	0	09:17	0.03
SS00079	JUNCTION	0.03	0.03	4994.79	0	09:17	0.03
SS00080	JUNCTION	0.01	0.02	4997.24	1	09:05	0.02
SS00081	JUNCTION	0.03	0.04	4990.80	2	09:19	0.04
SS00082	JUNCTION	0.04	0.05	4988.10	2	09:20	0.05
SS00083	JUNCTION	0.04	0.05	4987.55	2	09:22	0.05
SS00084	JUNCTION	0.02	0.02	4987.53	0	09:05	0.02
SS00085	JUNCTION	0.04	0.05	4985.53	2	09:24	0.05
SS00086	JUNCTION	0.03	0.04	4986.27	0	09:23	0.04
SS00087	JUNCTION	0.04	0.05	4984.34	2	09:26	0.05
SS00088	JUNCTION	0.04	0.05	4983.21	2	09:28	0.05
SS00089	JUNCTION	0.01	0.01	5021.13	2	09:02	0.01
SS00090	JUNCTION	0.01	0.01	5018.46	0	09:04	0.01
SS00091	JUNCTION	0.01	0.01	5012.59	0	09:05	0.01
SS00092	JUNCTION	0.02	0.02	5007.06	2	09:09	0.02
SS00093	JUNCTION	0.02	0.03	5003.58	2	09:12	0.03
SS00094	JUNCTION	0.02	0.03	5001.20	0	09:15	0.03
SS00095	JUNCTION	0.02	0.03	4999.35	0	09:14	0.03
SS00096	JUNCTION	0.01	0.01	5004.24	0	09:06	0.01
SS00097	JUNCTION	0.02	0.03	4995.65	0	09:15	0.03
SS00098	JUNCTION	0.02	0.02	4991.55	0	09:16	0.02
SS00099	JUNCTION	0.03	0.04	4982.24	2	09:25	0.04
SS00100	JUNCTION	0.03	0.04	4980.34	2	09:26	0.04
SS00101	JUNCTION	0.06	0.07	4974.45	2	09:30	0.07
SS00102	JUNCTION	0.76	0.89	4915.98	3	11:21	0.89
SS00103	JUNCTION	0.51	0.60	4916.73	0	10:18	0.60
SS00104	JUNCTION	0.46	0.54	4917.27	0	10:17	0.54
SS00105	JUNCTION	0.53	0.63	4917.56	0	10:16	0.63
SS00106	JUNCTION	0.43	0.51	4917.89	0	10:16	0.51
SS00107	JUNCTION	0.54	0.63	4918.34	0	10:15	0.63
SS00108	JUNCTION	0.55	0.66	4918.55	0	10:13	0.66
SS00109	JUNCTION	0.58	0.68	4918.89	0	10:12	0.68
SS00110	JUNCTION	0.47	0.57	4918.91	0	10:12	0.57
SS00111	JUNCTION	0.51	0.61	4919.22	0	10:07	0.61
SS00112	JUNCTION	0.01	0.02	4992.80	2	09:17	0.02
SS00113	JUNCTION	0.02	0.03	4987.36	2	09:11	0.03
SS00114	JUNCTION	0.02	0.03	4983.32	2	09:11	0.03
SS00115	JUNCTION	0.02	0.03	4978.16	2	09:11	0.03
SS00116	JUNCTION	0.03	0.03	4974.11	0	09:11	0.03
SS00117	JUNCTION	0.03	0.04	4970.20	2	09:12	0.04
SS00118	JUNCTION	0.03	0.03	4967.23	2	09:12	0.03
SS00119	JUNCTION	0.03	0.04	4964.41	2	09:12	0.04

SS00120	JUNCTION	0.03	0.04	4962.42	2	09:10	0.04
SS00121	JUNCTION	0.03	0.04	4959.12	0	09:11	0.04
SS00122	JUNCTION	0.06	0.07	4952.13	2	09:14	0.07
SS00123	JUNCTION	0.04	0.05	4950.34	2	09:14	0.05
SS00124	JUNCTION	0.04	0.06	4950.89	0	09:11	0.06
SS00125	JUNCTION	0.02	0.03	4968.98	2	09:10	0.03
SS00126	JUNCTION	0.02	0.03	4976.63	2	09:10	0.03
SS00127	JUNCTION	0.02	0.02	4978.20	0	09:09	0.02
SS00128	JUNCTION	0.02	0.02	4978.98	2	09:08	0.02
SS00129	JUNCTION	0.02	0.02	4981.63	0	09:07	0.02
SS00130	JUNCTION	0.02	0.02	4982.08	2	09:05	0.02
SS00131	JUNCTION	0.02	0.02	4982.57	0	09:05	0.02
SS00132	JUNCTION	0.02	0.02	4984.00	2	09:04	0.02
SS00133	JUNCTION	0.02	0.03	4979.01	2	09:11	0.03
SS00134	JUNCTION	0.02	0.03	4980.28	0	09:09	0.03
SS00135	JUNCTION	0.02	0.03	4982.94	2	09:08	0.03
SS00136	JUNCTION	0.02	0.03	4986.96	2	09:05	0.03
SS00137	JUNCTION	0.01	0.01	4968.35	2	09:03	0.01
SS00138	JUNCTION	0.01	0.01	4979.36	0	09:02	0.01
SS00139	JUNCTION	0.01	0.02	4976.98	0	09:03	0.02
SS00140	JUNCTION	0.02	0.02	4974.67	2	09:04	0.02
SS00141	JUNCTION	0.02	0.02	4972.39	2	09:05	0.02
SS00142	JUNCTION	0.02	0.03	4970.25	2	09:06	0.03
SS00143	JUNCTION	0.02	0.03	4966.17	0	09:06	0.03
SS00144	JUNCTION	0.03	0.03	4964.01	2	09:07	0.03
SS00145	JUNCTION	0.01	0.01	4955.72	2	09:02	0.01
SS00146	JUNCTION	0.02	0.02	4957.31	2	09:04	0.02
SS00147	JUNCTION	0.02	0.02	4956.07	0	09:07	0.02
SS00148	JUNCTION	0.02	0.02	4955.79	0	09:07	0.02
SS00149	JUNCTION	0.02	0.02	4954.94	0	09:07	0.02
SS00150	JUNCTION	0.11	0.14	4945.86	2	09:05	0.14
SS00151	JUNCTION	0.13	0.16	4946.43	0	09:04	0.16
SS00152	JUNCTION	0.01	0.01	4950.27	2	09:03	0.01
SS00153	JUNCTION	0.10	0.13	4946.95	0	09:03	0.13
SS00154	JUNCTION	0.12	0.16	4948.22	2	09:03	0.16
SS00155	JUNCTION	0.09	0.11	4949.52	0	09:00	0.11
SS00156	JUNCTION	0.01	0.01	4974.69	0	09:02	0.01
SS00157	JUNCTION	0.02	0.02	4972.03	2	09:04	0.02
SS00158	JUNCTION	0.02	0.03	4962.02	0	09:05	0.03
SS00159	JUNCTION	0.03	0.04	4949.34	2	09:08	0.04
SS00160	JUNCTION	0.02	0.03	4950.69	2	09:03	0.03
SS00161	JUNCTION	0.15	0.19	4945.18	0	09:05	0.19
SS00162	JUNCTION	0.12	0.15	4944.94	2	09:08	0.15
SS00163	JUNCTION	0.06	0.07	4989.18	0	09:30	0.07
SS00164	JUNCTION	0.06	0.08	4984.02	2	09:31	0.08
SS00165	JUNCTION	0.14	0.16	4979.46	2	09:32	0.16
SS00166	JUNCTION	0.16	0.18	4974.71	0	09:35	0.18
SS00167	JUNCTION	0.06	0.08	4967.62	0	09:35	0.08
SS00168	JUNCTION	0.06	0.08	4961.19	2	09:36	0.08
SS00169	JUNCTION	0.06	0.08	4954.75	2	09:37	0.08
SS00170	JUNCTION	0.07	0.08	4948.32	2	09:34	0.08
SS00171	JUNCTION	0.10	0.12	4948.70	2	09:15	0.12
SS00172	JUNCTION	0.03	0.04	4949.32	0	09:14	0.04
SS00173	JUNCTION	0.06	0.08	4946.64	2	09:34	0.08
SS00174	JUNCTION	0.13	0.14	4952.32	2	09:13	0.14
SS00175	JUNCTION	0.11	0.12	4957.12	0	09:08	0.12
SS00176	JUNCTION	0.02	0.02	4968.53	2	09:03	0.02
SS00177	JUNCTION	0.01	0.01	4970.71	0	09:02	0.01
SS00178	JUNCTION	0.01	0.01	4973.71	2	09:03	0.01
SS00179	JUNCTION	0.15	0.19	4939.15	1	09:49	0.19
SS00180	JUNCTION	0.21	0.27	4937.91	1	09:51	0.27
SS00181	JUNCTION	0.31	0.38	4939.50	1	09:49	0.38
SS00182	JUNCTION	0.22	0.28	4939.99	1	09:46	0.28

SS00183	JUNCTION	0.12	0.15	4941.87	2	09:12	0.15
SS00184	JUNCTION	0.11	0.15	4943.32	0	09:11	0.15
SS00185	JUNCTION	0.02	0.03	5049.91	2	09:04	0.03
SS00186	JUNCTION	0.03	0.04	5047.96	2	09:07	0.04
SS00187	JUNCTION	0.03	0.04	5045.27	2	09:11	0.04
SS00188	JUNCTION	0.03	0.04	5041.95	0	09:11	0.04
SS00189	JUNCTION	0.03	0.04	5039.69	2	09:12	0.04
SS00190	JUNCTION	0.03	0.04	5034.66	0	09:12	0.04
SS00191	JUNCTION	0.07	0.09	5030.07	0	09:15	0.09
SS00192	JUNCTION	0.06	0.08	5031.39	0	09:13	0.08
SS00193	JUNCTION	0.05	0.07	5032.84	2	09:12	0.07
SS00194	JUNCTION	0.05	0.07	5034.00	2	09:11	0.07
SS00195	JUNCTION	0.03	0.04	5035.99	0	09:07	0.04
SS00196	JUNCTION	0.02	0.02	5041.67	2	09:04	0.02
SS00197	JUNCTION	0.01	0.01	5043.19	2	09:03	0.01
SS00198	JUNCTION	0.03	0.04	5039.38	2	09:08	0.04
SS00199	JUNCTION	0.03	0.04	5036.79	2	09:09	0.04
SS00200	JUNCTION	0.05	0.07	5035.43	0	09:11	0.07
SS00201	JUNCTION	0.03	0.04	5038.01	2	09:09	0.04
SS00202	JUNCTION	0.03	0.04	5040.03	2	09:08	0.04
SS00203E	JUNCTION	0.02	0.03	5043.35	2	09:06	0.03
SS00203N	JUNCTION	0.02	0.02	5043.44	2	09:05	0.02
SS00204	JUNCTION	0.03	0.03	5041.35	2	09:07	0.03
SS00205	JUNCTION	0.02	0.02	5042.47	2	09:02	0.02
SS00206	JUNCTION	0.02	0.03	5039.17	2	09:04	0.03
SS00207	JUNCTION	0.03	0.03	5035.99	0	09:06	0.03
SS00208	JUNCTION	0.03	0.04	5033.14	2	09:08	0.04
SS00209	JUNCTION	0.03	0.04	5030.95	2	09:09	0.04
SS00210	JUNCTION	0.05	0.07	5025.58	0	09:12	0.07
SS00211	JUNCTION	0.06	0.07	5024.06	2	09:14	0.07
SS00212	JUNCTION	0.04	0.06	5022.33	2	09:15	0.06
SS00213	JUNCTION	0.11	0.14	5016.81	2	09:19	0.14
SS00214	JUNCTION	0.04	0.06	5027.38	2	09:15	0.06
SS00215	JUNCTION	0.02	0.02	5035.16	2	09:07	0.02
SS00216	JUNCTION	0.01	0.02	5037.94	0	09:05	0.02
SS00217	JUNCTION	0.02	0.03	5035.91	0	09:04	0.03
SS00218	JUNCTION	0.03	0.03	5033.48	2	09:06	0.03
SS00219	JUNCTION	0.03	0.04	5027.13	2	09:08	0.04
SS00220	JUNCTION	0.02	0.03	5028.68	2	09:06	0.03
SS00221	JUNCTION	0.00	0.00	5027.15	0	00:00	0.00
SS00222	JUNCTION	0.12	0.15	5017.39	2	09:17	0.15
SS00223	JUNCTION	0.02	0.02	5021.99	0	09:03	0.02
SS00224	JUNCTION	0.06	0.07	5017.00	2	09:07	0.07
SS00225	JUNCTION	0.03	0.03	5016.86	2	09:10	0.03
SS00226	JUNCTION	0.03	0.04	5015.32	0	09:13	0.04
SS00227	JUNCTION	0.01	0.02	5021.25	2	09:06	0.02
SS00228	JUNCTION	0.02	0.02	5019.73	0	09:02	0.02
SS00229	JUNCTION	0.03	0.04	5018.39	2	09:07	0.04
SS00230	JUNCTION	0.03	0.04	5016.29	0	09:07	0.04
SS00231	JUNCTION	0.03	0.04	5013.06	0	09:11	0.04
SS00232	JUNCTION	0.03	0.04	5009.08	0	09:13	0.04
SS00233	JUNCTION	0.04	0.05	5011.26	2	09:15	0.05
SS00234	JUNCTION	0.04	0.05	5013.63	2	09:13	0.05
SS00235	JUNCTION	0.02	0.03	5019.08	2	09:04	0.03
SS00236	JUNCTION	0.03	0.03	5016.24	0	09:08	0.03
SS00237	JUNCTION	0.03	0.04	5013.87	0	09:10	0.04
SS00238	JUNCTION	0.03	0.04	5011.03	0	09:12	0.04
SS00239	JUNCTION	0.03	0.04	5007.74	0	09:14	0.04
SS00240	JUNCTION	0.10	0.13	4961.44	2	09:42	0.13
SS00241	JUNCTION	0.16	0.18	4972.10	0	09:41	0.18
SS00242	JUNCTION	0.19	0.24	4972.67	0	09:41	0.24
SS00243	JUNCTION	0.01	0.01	5041.08	0	09:03	0.01
SS00244	JUNCTION	0.02	0.03	5026.31	2	09:07	0.03

SS00245	JUNCTION	0.03	0.03	5024.24	0	09:11	0.03
SS00246	JUNCTION	0.03	0.04	5020.76	0	09:13	0.04
SS00247	JUNCTION	0.13	0.17	5016.05	2	09:22	0.17
SS00248	JUNCTION	0.04	0.05	5020.60	2	09:12	0.05
SS00249	JUNCTION	0.04	0.05	5022.87	2	09:11	0.05
SS00250	JUNCTION	0.04	0.05	5024.53	2	09:08	0.05
SS00251	JUNCTION	0.02	0.02	5036.53	2	09:01	0.02
SS00252	JUNCTION	0.11	0.14	5014.99	0	09:24	0.14
SS00253	JUNCTION	0.12	0.16	5013.23	0	09:26	0.16
SS00254	JUNCTION	0.07	0.09	5011.59	0	09:27	0.09
SS00255	JUNCTION	0.03	0.04	5017.75	0	09:09	0.04
SS00256	JUNCTION	0.08	0.10	4999.71	2	09:29	0.10
SS00257	JUNCTION	0.04	0.05	5005.57	3	11:09	0.05
SS00258	JUNCTION	0.03	0.04	5008.49	3	11:11	0.04
SS00259	JUNCTION	0.03	0.03	5011.94	0	12:00	0.03
SS00260	JUNCTION	0.02	0.02	5019.78	0	12:00	0.02
SS00261	JUNCTION	0.02	0.02	5029.79	0	12:00	0.02
SS00262	JUNCTION	0.02	0.02	5035.69	2	12:00	0.02
SS00263	JUNCTION	0.06	0.07	5001.57	2	09:23	0.07
SS00264	JUNCTION	0.05	0.06	5003.33	0	09:17	0.06
SS00265	JUNCTION	0.02	0.02	5009.18	2	09:12	0.02
SS00266	JUNCTION	0.03	0.04	4994.70	2	09:04	0.04
SS00267	JUNCTION	0.04	0.05	4993.61	0	09:11	0.05
SS00268	JUNCTION	0.03	0.03	4993.25	2	09:20	0.03
SS00269	JUNCTION	0.05	0.06	4991.97	3	11:11	0.06
SS00270	JUNCTION	0.10	0.13	4990.00	2	09:29	0.13
SS00271	JUNCTION	0.09	0.12	4989.23	2	09:30	0.12
SS00272	JUNCTION	0.02	0.03	4984.08	0	09:04	0.03
SS00273	JUNCTION	0.33	0.34	4979.71	2	09:13	0.34
SS00274	JUNCTION	0.16	0.20	4974.93	2	09:14	0.20
SS00275	JUNCTION	0.15	0.19	4973.06	2	09:16	0.19
SS00276	JUNCTION	0.13	0.17	4980.50	2	09:14	0.17
SS00277	JUNCTION	0.13	0.17	4983.73	2	09:13	0.17
SS00278	JUNCTION	0.16	0.20	4986.78	2	09:06	0.20
SS00279	JUNCTION	0.18	0.22	4992.54	2	09:04	0.22
SS00280	JUNCTION	0.18	0.22	4996.62	2	09:02	0.22
SS00281	JUNCTION	0.24	0.32	4997.98	2	09:01	0.32
SS00282	JUNCTION	0.12	0.15	5077.01	2	09:00	0.15
SS00283	JUNCTION	0.01	0.01	4951.44	2	09:04	0.01
SS00284	JUNCTION	0.03	0.03	4963.39	2	09:11	0.03
SS00285	JUNCTION	0.58	0.67	4915.02	3	11:21	0.67
SS00286	JUNCTION	0.19	0.25	5040.52	2	09:19	0.25
SS00287	JUNCTION	0.22	0.29	5039.48	0	09:21	0.29
SS00288	JUNCTION	0.19	0.25	5038.33	0	09:24	0.25
SS00289	JUNCTION	0.18	0.23	5036.80	0	09:24	0.23
SS00290	JUNCTION	0.13	0.17	5036.30	2	09:26	0.17
SS00291	JUNCTION	0.17	0.22	5030.33	2	09:27	0.22
SS00292	JUNCTION	0.12	0.15	4955.57	0	09:43	0.15
SS00293	JUNCTION	0.10	0.13	4951.44	0	09:44	0.13
SS00294	JUNCTION	0.16	0.21	4943.63	1	09:47	0.21
SS00295	JUNCTION	0.14	0.18	4942.37	1	09:48	0.18
SS00296	JUNCTION	0.15	0.20	4935.37	1	09:51	0.20
SS00297	JUNCTION	0.16	0.21	4932.99	1	09:52	0.21
SS00298	JUNCTION	0.19	0.24	4930.29	1	09:53	0.24
SS00299	JUNCTION	0.18	0.23	4927.25	1	09:54	0.23
SS00300	JUNCTION	0.26	0.34	4924.08	1	09:56	0.34
SS00301	JUNCTION	0.29	0.38	4923.48	1	09:59	0.38
SS00302	JUNCTION	0.36	0.46	4922.84	1	09:59	0.46
SS00303	JUNCTION	0.14	0.18	4967.83	2	09:16	0.18
SS00304	JUNCTION	0.14	0.18	4953.43	2	09:14	0.18
SS00305	JUNCTION	0.17	0.22	4947.33	2	09:15	0.22
SS00306	JUNCTION	0.18	0.23	4943.39	2	09:16	0.23
SS00307	JUNCTION	0.18	0.23	4939.39	2	09:17	0.23

SS00308	JUNCTION	0.18	0.23	4935.05	2	09:18	0.23
SS00309	JUNCTION	0.18	0.23	4932.67	2	09:18	0.23
SS00310	JUNCTION	0.15	0.19	4930.81	2	09:19	0.19
SS00311	JUNCTION	0.33	0.43	4922.59	0	09:42	0.43
SS00312	JUNCTION	0.41	0.53	4922.15	0	09:44	0.53
SS00313	JUNCTION	0.39	0.51	4921.69	0	09:45	0.51
SS00314	JUNCTION	0.34	0.43	4921.25	0	09:48	0.43
SS00315	JUNCTION	0.45	0.53	4920.05	0	10:04	0.53
SS00316	JUNCTION	0.02	0.03	5032.04	2	09:18	0.03
SS00317	JUNCTION	0.14	0.17	4956.91	2	09:17	0.17
SSC00001	JUNCTION	0.03	0.03	5018.54	2	09:06	0.03
SSC00002	JUNCTION	0.02	0.03	5011.29	0	09:09	0.03
SSC00003	JUNCTION	0.02	0.02	5004.64	2	09:25	0.02
SSC00004	JUNCTION	0.00	0.00	5017.70	0	00:00	0.00
SSC00005	JUNCTION	0.02	0.02	5026.85	2	09:09	0.02
SSC00006	JUNCTION	0.02	0.02	5013.37	2	09:04	0.02
SSC00007	JUNCTION	0.00	0.00	5045.31	0	00:00	0.00
WWTF00001	OUTFALL	0.49	0.57	4914.82	3	11:22	0.57

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Node Inflow Summary
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Node	Type	Maximum Lateral Inflow GPM	Maximum Total Inflow GPM	Time of Max Occurrence days hr:min		Lateral Inflow Volume 10^6 gal	Total Inflow Volume 10^6 gal	Flow Balance Error Percent
LS00001	JUNCTION	0.00	18.69	2	09:14	0	0.064	0.225
SS00001	JUNCTION	0.19	90.16	2	09:00	0.000643	0.309	0.009
SS00002	JUNCTION	0.19	90.35	0	09:01	0.000643	0.309	0.033
SS00003	JUNCTION	0.38	90.70	2	09:02	0.00129	0.31	0.014
SS00004	JUNCTION	1.13	91.82	2	09:03	0.00385	0.314	0.013
SS00005	JUNCTION	2.44	94.25	2	09:04	0.00834	0.322	0.038
SS00006	JUNCTION	0.75	94.97	2	09:05	0.00257	0.325	0.019
SS00007	JUNCTION	0.56	95.53	0	09:06	0.00192	0.327	0.015
SS00008	JUNCTION	0.00	95.53	2	09:07	0	0.327	0.013
SS00009	JUNCTION	0.94	99.65	2	09:07	0.00321	0.341	0.013
SS00010	JUNCTION	1.50	3.18	2	09:01	0.00513	0.0109	0.066
SS00011	JUNCTION	1.69	1.69	0	09:00	0.00578	0.00578	0.079
SS00012	JUNCTION	0.38	100.02	2	09:08	0.00129		

0.342	0.008						
SS00013		JUNCTION	0.19	100.20	2	09:08	0.000643
0.343	0.025						
SS00014		JUNCTION	0.75	100.95	0	09:10	0.00257
0.345	0.011						
SS00015		JUNCTION	0.19	101.13	2	09:10	0.000643
0.346	0.020						
SS00016		JUNCTION	0.94	102.06	2	09:11	0.00321
0.349	0.024						
SS00017		JUNCTION	0.38	103.55	2	09:12	0.00129
0.354	0.018						
SS00018		JUNCTION	1.13	1.13	0	09:00	0.00385
0.00385	0.131						
SS00019		JUNCTION	0.94	0.94	0	09:00	0.00321
0.00321	0.080						
SS00020		JUNCTION	0.38	1.31	0	09:01	0.00129
0.00449	0.053						
SS00021		JUNCTION	0.00	1.31	2	09:04	0
0.00449	0.071						
SS00022		JUNCTION	0.75	2.06	0	09:06	0.00257
0.00705	0.080						
SS00023		JUNCTION	1.13	3.18	2	09:06	0.00385
0.0109	0.083						
SS00024		JUNCTION	1.88	5.05	2	09:06	0.00642
0.0173	0.102						
SS00025		JUNCTION	0.00	5.05	2	09:11	0
0.0173	0.069						
SS00026		JUNCTION	2.44	7.47	0	09:11	0.00834
0.0256	0.067						
SS00027		JUNCTION	0.94	8.41	0	09:12	0.00321
0.0288	0.060						
SS00028		JUNCTION	0.75	9.15	2	09:14	0.00257
0.0314	0.027						
SS00029		JUNCTION	0.00	123.33	2	09:15	0
0.421	0.047						
SS00030		JUNCTION	0.94	105.60	2	09:14	0.00321
0.361	0.030						
SS00031		JUNCTION	0.56	104.67	0	09:14	0.00192
0.358	0.014						
SS00032		JUNCTION	0.56	104.11	0	09:13	0.00192
0.356	0.016						
SS00033		JUNCTION	0.75	0.75	0	09:00	0.00257
0.00257	0.113						
SS00034		JUNCTION	0.94	1.69	2	09:01	0.00321
0.00577	0.111						
SS00035		JUNCTION	2.06	3.75	2	09:02	0.00706
0.0128	0.135						
SS00036		JUNCTION	1.88	5.61	2	09:06	0.00642
0.0192	0.118						
SS00037		JUNCTION	0.75	6.35	0	09:11	0.00257
0.0218	0.035						
SS00038		JUNCTION	0.75	7.10	2	09:12	0.00257
0.0243	0.046						
SS00039		JUNCTION	0.56	7.66	0	09:13	0.00192
0.0262	0.037						
SS00040		JUNCTION	0.56	8.22	0	09:14	0.00192
0.0282	0.040						
SS00041		JUNCTION	0.38	8.59	2	09:15	0.00129
0.0294	0.026						
SS00042		JUNCTION	0.56	0.56	0	09:00	0.00192
0.00192	0.089						
SS00043		JUNCTION	0.56	1.12	2	09:01	0.00192
0.00384	0.136						

SS00044	JUNCTION	0.38	1.50	2	09:05	0.00129	
0.00513	0.085						
SS00045	JUNCTION	0.00	1.50	2	09:10	0	
0.00512	0.075						
SS00046	JUNCTION	0.19	2.05	2	09:17	0.000643	
0.00704	0.096						
SS00047	JUNCTION	0.56	123.80	2	09:27	0.00192	
0.422	0.030						
SS00048	JUNCTION	0.19	123.98	0	09:28	0.000643	
0.423	0.037						
SS00049	JUNCTION	0.00	126.03	0	09:30	0	
0.43	0.029						
SS00050	JUNCTION	0.38	126.40	2	09:31	0.00129	
0.431	0.015						
SS00051	JUNCTION	0.19	126.58	0	09:31	0.000643	
0.431	0.035						
SS00052	JUNCTION	0.19	126.76	0	09:33	0.000643	
0.432	0.018						
SS00053	JUNCTION	0.00	138.30	2	09:39	0	
0.471	0.046						
SS00054	JUNCTION	0.00	128.60	2	09:38	0	
0.438	0.013						
SS00055	JUNCTION	0.38	128.60	2	09:38	0.00129	
0.438	0.013						
SS00056	JUNCTION	0.19	128.23	2	09:37	0.000643	
0.436	0.014						
SS00057	JUNCTION	0.38	128.05	2	09:36	0.00129	
0.436	0.032						
SS00058	JUNCTION	0.19	127.68	2	09:35	0.000643	
0.435	0.029						
SS00059	JUNCTION	0.38	127.50	0	09:34	0.00129	
0.434	0.019						
SS00060	JUNCTION	0.38	127.13	0	09:34	0.00129	
0.433	0.018						
SS00061	JUNCTION	0.56	0.56	0	09:00	0.00192	
0.00192	0.089						
SS00062	JUNCTION	0.38	0.94	2	09:02	0.00129	
0.00321	0.099						
SS00063	JUNCTION	0.19	1.12	2	09:07	0.000643	
0.00385	0.078						
SS00064	JUNCTION	0.38	1.50	2	09:09	0.00129	
0.00513	0.122						
SS00065	JUNCTION	0.00	1.50	2	09:14	0	
0.00512	0.071						
SS00066	JUNCTION	0.56	0.56	0	09:00	0.00193	
0.00193	0.116						
SS00067	JUNCTION	0.38	0.94	2	09:02	0.00129	
0.00321	0.134						
SS00068	JUNCTION	0.38	1.31	2	09:06	0.00129	
0.00449	0.118						
SS00069	JUNCTION	0.19	1.50	2	09:09	0.000643	
0.00513	0.048						
SS00070	JUNCTION	0.19	0.19	0	09:00	0.000643	
0.000643	0.129						
SS00071	JUNCTION	0.56	0.56	0	09:00	0.00192	
0.00192	0.134						
SS00072	JUNCTION	0.19	0.75	2	09:04	0.000643	
0.00256	0.125						
SS00073	JUNCTION	0.00	0.94	0	09:08	0	
0.0032	0.074						
SS00074	JUNCTION	0.38	1.31	2	09:08	0.00129	
0.00449	0.059						
SS00075	JUNCTION	0.19	1.50	2	09:10	0.000643	

0.00513	0.082							
SS00076		JUNCTION	0.19	3.18	2	09:12	0.000643	
0.0109	0.035							
SS00077		JUNCTION	0.19	3.37	0	09:12	0.000643	
0.0115	0.073							
SS00078		JUNCTION	0.00	3.37	0	09:16	0	
0.0115	0.038							
SS00079		JUNCTION	0.19	4.30	0	09:15	0.000643	
0.0147	0.049							
SS00080		JUNCTION	0.75	0.75	0	09:00	0.00257	
0.00257	0.142							
SS00081		JUNCTION	0.38	4.67	2	09:16	0.00129	
0.016	0.055							
SS00082		JUNCTION	0.00	4.67	0	09:19	0	
0.016	0.045							
SS00083		JUNCTION	0.38	5.05	2	09:20	0.00129	
0.0173	0.058							
SS00084		JUNCTION	0.75	0.75	0	09:00	0.00257	
0.00257	0.136							
SS00085		JUNCTION	0.19	5.98	0	09:21	0.000643	
0.0205	0.070							
SS00086		JUNCTION	0.00	5.05	2	09:22	0	
0.0173	0.039							
SS00087		JUNCTION	0.19	6.16	2	09:24	0.000643	
0.0211	0.069							
SS00088		JUNCTION	0.00	6.16	0	09:26	0	
0.0211	0.049							
SS00089		JUNCTION	0.38	0.38	0	09:00	0.00129	
0.00129	0.065							
SS00090		JUNCTION	0.19	0.56	0	09:01	0.000643	
0.00193	0.061							
SS00091		JUNCTION	0.38	0.94	2	09:03	0.00129	
0.00321	0.054							
SS00092		JUNCTION	0.38	1.31	2	09:04	0.00129	
0.0045	0.113							
SS00093		JUNCTION	0.38	1.69	2	09:08	0.00129	
0.00578	0.093							
SS00094		JUNCTION	0.19	1.87	0	09:11	0.000643	
0.00642	0.079							
SS00095		JUNCTION	0.56	2.99	2	09:11	0.00192	
0.0103	0.059							
SS00096		JUNCTION	0.56	0.56	0	09:00	0.00192	
0.00192	0.138							
SS00097		JUNCTION	0.38	3.37	0	09:12	0.00129	
0.0115	0.055							
SS00098		JUNCTION	0.00	3.37	0	09:15	0	
0.0115	0.038							
SS00099		JUNCTION	0.00	9.52	0	09:24	0	
0.0326	0.019							
SS00100		JUNCTION	0.19	9.71	2	09:25	0.000643	
0.0332	0.040							
SS00101		JUNCTION	0.00	9.71	2	09:27	0	
0.0332	0.095							
SS00102		JUNCTION	355.18	1128.35	3	11:16	1.61	
4.7	0.111							
SS00103		JUNCTION	0.00	779.84	0	10:18	0	
3.09	0.087							
SS00104		JUNCTION	0.00	779.86	0	10:17	0	
3.09	0.027							
SS00105		JUNCTION	0.00	779.87	0	10:16	0	
3.09	0.023							
SS00106		JUNCTION	0.00	779.87	0	10:15	0	
3.09	0.015							

SS00107		JUNCTION	0.00	779.98	0	10:13		0
3.1	0.052							
SS00108		JUNCTION	0.00	780.04	0	10:12		0
3.1	0.019							
SS00109		JUNCTION	0.00	780.09	0	10:11		0
3.1	0.039							
SS00110		JUNCTION	0.00	780.95	0	10:08		0
3.1	0.037							
SS00111		JUNCTION	0.00	781.21	0	10:05		0
3.1	0.064							
SS00112		JUNCTION	0.00	1.50	2	09:16		0
0.00512	0.024							
SS00113		JUNCTION	1.31	2.80	0	09:10		0.00449
0.00961	0.042							
SS00114		JUNCTION	0.94	3.74	2	09:07		0.00321
0.0128	0.075							
SS00115		JUNCTION	0.56	4.29	0	09:09		0.00192
0.0147	0.041							
SS00116		JUNCTION	0.94	5.23	0	09:09		0.00321
0.0179	0.040							
SS00117		JUNCTION	0.38	5.60	2	09:10		0.00129
0.0192	0.038							
SS00118		JUNCTION	0.19	5.79	2	09:11		0.000643
0.0198	0.022							
SS00119		JUNCTION	0.38	6.16	0	09:11		0.00129
0.0211	0.022							
SS00120		JUNCTION	0.19	10.47	0	09:10		0.000643
0.0359	0.010							
SS00121		JUNCTION	0.19	10.65	0	09:10		0.000643
0.0365	0.023							
SS00122		JUNCTION	0.75	11.40	0	09:10		0.00257
0.0391	0.080							
SS00123		JUNCTION	0.00	19.44	2	09:13		0
0.0666	0.022							
SS00124		JUNCTION	0.00	7.67	0	09:11		0
0.0263	0.021							
SS00125		JUNCTION	1.13	6.92	2	09:09		0.00385
0.0237	0.019							
SS00126		JUNCTION	0.94	5.80	0	09:09		0.00321
0.0199	0.031							
SS00127		JUNCTION	0.00	1.69	2	09:08		0
0.00577	0.042							
SS00128		JUNCTION	0.19	1.69	2	09:07		0.000643
0.00577	0.032							
SS00129		JUNCTION	0.38	1.50	0	09:04		0.00129
0.00513	0.069							
SS00130		JUNCTION	0.19	1.12	0	09:04		0.000643
0.00385	0.051							
SS00131		JUNCTION	0.19	0.94	2	09:03		0.000643
0.00321	0.054							
SS00132		JUNCTION	0.75	0.75	0	09:00		0.00257
0.00257	0.119							
SS00133		JUNCTION	0.38	3.18	2	09:08		0.00129
0.0109	0.054							
SS00134		JUNCTION	0.38	2.81	2	09:07		0.00129
0.00962	0.041							
SS00135		JUNCTION	0.38	2.43	2	09:04		0.00129
0.00834	0.077							
SS00136		JUNCTION	2.06	2.06	0	09:00		0.00706
0.00706	0.105							
SS00137		JUNCTION	0.75	0.75	0	09:00		0.00257
0.00257	0.079							
SS00138		JUNCTION	0.56	0.56	0	09:00		0.00192

0.00192	0.067							
SS00139		JUNCTION	0.56	1.12	2	09:01	0.00192	
0.00384	0.049							
SS00140		JUNCTION	0.75	1.87	2	09:02	0.00257	
0.00641	0.044							
SS00141		JUNCTION	0.38	2.25	2	09:03	0.00129	
0.00769	0.035							
SS00142		JUNCTION	0.94	3.18	0	09:03	0.00321	
0.0109	0.047							
SS00143		JUNCTION	0.56	3.74	2	09:05	0.00192	
0.0128	0.033							
SS00144		JUNCTION	0.38	4.12	0	09:06	0.00129	
0.0141	0.031							
SS00145		JUNCTION	0.75	0.75	0	09:00	0.00257	
0.00257	0.068							
SS00146		JUNCTION	0.75	0.75	0	09:00	0.00257	
0.00257	0.127							
SS00147		JUNCTION	0.00	0.75	0	09:04	0	
0.00256	0.077							
SS00148		JUNCTION	0.19	0.94	2	09:06	0.000643	
0.0032	0.060							
SS00149		JUNCTION	1.31	2.25	0	09:02	0.00449	
0.00769	0.077							
SS00150		JUNCTION	0.00	55.25	0	09:04	0	
0.189	0.022							
SS00151		JUNCTION	0.19	53.01	0	09:03	0.000643	
0.181	0.014							
SS00152		JUNCTION	0.19	0.94	2	09:02	0.000643	
0.00321	0.039							
SS00153		JUNCTION	0.00	51.89	2	09:03	0	
0.178	0.011							
SS00154		JUNCTION	0.38	51.91	0	09:00	0.00129	
0.178	0.040							
SS00155		JUNCTION	45.00	45.00	0	09:00	0.154	
0.154	0.016							
SS00156		JUNCTION	0.56	0.56	0	09:00	0.00192	
0.00192	0.053							
SS00157		JUNCTION	1.69	2.25	0	09:00	0.00578	
0.0077	0.065							
SS00158		JUNCTION	1.69	3.94	0	09:02	0.00578	
0.0135	0.055							
SS00159		JUNCTION	1.13	2.62	2	09:01	0.00385	
0.00898	0.140							
SS00160		JUNCTION	1.50	1.50	0	09:00	0.00513	
0.00513	0.071							
SS00161		JUNCTION	0.00	55.25	2	09:05	0	
0.189	0.014							
SS00162		JUNCTION	0.00	55.25	2	09:05	0	
0.189	0.062							
SS00163		JUNCTION	1.88	20.52	0	09:23	0.00642	
0.0703	0.173							
SS00164		JUNCTION	1.88	22.36	0	09:29	0.00642	
0.0766	0.037							
SS00165		JUNCTION	1.50	23.85	3	09:30	0.00513	
0.0817	0.134							
SS00166		JUNCTION	1.69	25.51	2	09:31	0.00578	
0.0873	0.154							
SS00167		JUNCTION	1.88	27.36	0	09:33	0.00642	
0.0936	0.050							
SS00168		JUNCTION	1.88	29.21	0	09:34	0.00642	
0.1	0.047							
SS00169		JUNCTION	0.94	30.13	2	09:36	0.00321	
0.103	0.040							

SS00170		JUNCTION	0.00	36.64	0	09:34	0
0.125	0.010						
SS00171		JUNCTION	0.00	6.54	2	09:14	0
0.0223	0.080						
SS00172		JUNCTION	0.00	6.54	0	09:13	0
0.0223	0.019						
SS00173		JUNCTION	0.19	36.83	0	09:34	0.000643
0.126	0.018						
SS00174		JUNCTION	1.88	6.55	2	09:06	0.00642
0.0224	0.388						
SS00175		JUNCTION	1.88	4.68	0	09:01	0.00642
0.016	0.397						
SS00176		JUNCTION	1.88	2.81	0	09:00	0.00642
0.00963	0.045						
SS00177		JUNCTION	0.38	0.38	0	09:00	0.00129
0.00129	0.066						
SS00178		JUNCTION	0.56	0.56	0	09:00	0.00192
0.00192	0.080						
SS00179		JUNCTION	0.00	249.00	1	09:49	0
0.85	0.013						
SS00180		JUNCTION	0.00	249.00	1	09:49	0
0.85	0.052						
SS00181		JUNCTION	0.00	212.27	1	09:46	0
0.725	0.094						
SS00182		JUNCTION	0.00	212.28	1	09:45	0
0.725	0.045						
SS00183		JUNCTION	0.00	74.65	2	09:11	0
0.255	0.016						
SS00184		JUNCTION	0.00	55.23	2	09:08	0
0.189	0.049						
SS00185		JUNCTION	1.50	1.50	0	09:00	0.00513
0.00513	0.122						
SS00186		JUNCTION	2.06	3.56	0	09:01	0.00706
0.0122	0.097						
SS00187		JUNCTION	0.94	4.49	2	09:06	0.00321
0.0154	0.092						
SS00188		JUNCTION	0.56	5.05	0	09:10	0.00192
0.0173	0.035						
SS00189		JUNCTION	1.50	6.54	2	09:09	0.00513
0.0224	0.047						
SS00190		JUNCTION	1.31	7.85	0	09:10	0.00449
0.0269	0.045						
SS00191		JUNCTION	0.00	23.55	0	09:13	0
0.0806	0.045						
SS00192		JUNCTION	0.94	15.70	2	09:12	0.00321
0.0538	0.037						
SS00193		JUNCTION	0.38	14.77	0	09:11	0.00129
0.0506	0.029						
SS00194		JUNCTION	0.38	14.40	0	09:10	0.00129
0.0493	0.026						
SS00195		JUNCTION	1.50	3.37	2	09:01	0.00513
0.0115	0.087						
SS00196		JUNCTION	1.88	1.88	0	09:00	0.00642
0.00642	0.078						
SS00197		JUNCTION	0.56	0.56	0	09:00	0.00192
0.00192	0.080						
SS00198		JUNCTION	1.31	4.68	0	09:04	0.00449
0.016	0.059						
SS00199		JUNCTION	0.75	5.42	0	09:07	0.00257
0.0186	0.049						
SS00200		JUNCTION	0.75	10.66	2	09:09	0.00257
0.0365	0.062						
SS00201		JUNCTION	1.13	4.49	2	09:06	0.00385

0.0154	0.066							
SS00202		JUNCTION	1.31	3.37	2	09:03	0.00449	
0.0115	0.080							
SS00203E		JUNCTION	2.06	2.06	0	09:00	0.00706	
0.00706	0.132							
SS00203N		JUNCTION	0.75	0.75	0	09:00	0.00257	
0.00257	0.142							
SS00204		JUNCTION	0.75	2.81	2	09:02	0.00257	
0.00961	0.084							
SS00205		JUNCTION	1.31	1.31	0	09:00	0.00449	
0.00449	0.084							
SS00206		JUNCTION	1.88	1.88	0	09:00	0.00642	
0.00642	0.093							
SS00207		JUNCTION	1.31	3.18	2	09:02	0.00449	
0.0109	0.067							
SS00208		JUNCTION	1.13	4.31	2	09:04	0.00385	
0.0147	0.070							
SS00209		JUNCTION	0.56	7.86	0	09:07	0.00192	
0.0269	0.044							
SS00210		JUNCTION	0.38	11.23	2	09:09	0.00129	
0.0384	0.065							
SS00211		JUNCTION	1.69	12.90	2	09:11	0.00578	
0.0442	0.073							
SS00212		JUNCTION	1.50	14.39	0	09:13	0.00513	
0.0493	0.048							
SS00213		JUNCTION	0.00	44.29	2	09:17	0	
0.152	0.043							
SS00214		JUNCTION	0.75	25.98	2	09:14	0.00257	
0.0889	0.025							
SS00215		JUNCTION	0.94	1.69	2	09:01	0.00321	
0.00577	0.079							
SS00216		JUNCTION	0.75	0.75	0	09:00	0.00257	
0.00257	0.087							
SS00217		JUNCTION	1.88	1.88	0	09:00	0.00642	
0.00642	0.107							
SS00218		JUNCTION	1.13	3.00	2	09:02	0.00385	
0.0103	0.071							
SS00219		JUNCTION	1.13	3.00	0	09:03	0.00385	
0.0103	0.091							
SS00220		JUNCTION	1.88	1.88	0	09:00	0.00642	
0.00642	0.128							
SS00221		JUNCTION	0.00	0.00	0	00:00	0	
0	0.000 gal							
SS00222		JUNCTION	0.00	40.37	0	09:15	0	
0.138	0.051							
SS00223		JUNCTION	1.69	1.69	0	09:00	0.00578	
0.00578	0.058							
SS00224		JUNCTION	0.19	1.87	2	09:03	0.000643	
0.00641	0.396							
SS00225		JUNCTION	0.94	2.81	2	09:05	0.00321	
0.0096	0.087							
SS00226		JUNCTION	0.00	3.93	0	09:09	0	
0.0134	0.091							
SS00227		JUNCTION	1.13	1.13	0	09:00	0.00385	
0.00385	0.121							
SS00228		JUNCTION	1.13	1.13	0	09:00	0.00385	
0.00385	0.073							
SS00229		JUNCTION	2.25	3.37	0	09:00	0.0077	
0.0115	0.122							
SS00230		JUNCTION	1.13	4.49	2	09:05	0.00385	
0.0154	0.041							
SS00231		JUNCTION	0.75	5.61	2	09:06	0.00257	
0.0192	0.102							

SS00232		JUNCTION	0.19	13.64	2	09:13	0.000643	
0.0467	0.006							
SS00233		JUNCTION	1.13	7.85	0	09:12	0.00385	
0.0269	0.067							
SS00234		JUNCTION	2.81	6.73	0	09:08	0.00963	
0.0231	0.098							
SS00235		JUNCTION	1.88	1.88	0	09:00	0.00642	
0.00642	0.096							
SS00236		JUNCTION	0.94	2.81	2	09:03	0.00321	
0.00962	0.091							
SS00237		JUNCTION	2.06	4.87	2	09:04	0.00706	
0.0167	0.100							
SS00238		JUNCTION	0.19	5.05	2	09:09	0.000643	
0.0173	0.055							
SS00239		JUNCTION	0.00	5.05	2	09:12	0	
0.0173	0.048							
SS00240		JUNCTION	0.00	138.48	2	09:42	0	
0.471	0.017							
SS00241		JUNCTION	0.00	138.48	0	09:41	0	
0.471	0.024							
SS00242		JUNCTION	0.19	138.48	0	09:40	0.000643	
0.471	0.023							
SS00243		JUNCTION	0.56	0.56	0	09:00	0.00192	
0.00192	0.066							
SS00244		JUNCTION	0.94	1.87	2	09:01	0.00321	
0.00641	0.108							
SS00245		JUNCTION	0.94	2.81	0	09:05	0.00321	
0.00962	0.112							
SS00246		JUNCTION	1.13	3.93	0	09:08	0.00385	
0.0135	0.100							
SS00247		JUNCTION	0.00	52.87	0	09:18	0	
0.181	0.082							
SS00248		JUNCTION	2.25	8.60	0	09:08	0.0077	
0.0295	0.074							
SS00249		JUNCTION	2.25	6.36	2	09:05	0.0077	
0.0218	0.099							
SS00250		JUNCTION	1.88	4.12	2	09:00	0.00642	
0.0141	0.136							
SS00251		JUNCTION	2.25	2.25	0	09:00	0.0077	
0.0077	0.043							
SS00252		JUNCTION	1.69	54.53	2	09:21	0.00578	
0.187	0.063							
SS00253		JUNCTION	1.69	56.20	2	09:24	0.00578	
0.192	0.065							
SS00254		JUNCTION	0.00	59.36	0	09:26	0	
0.203	0.030							
SS00255		JUNCTION	1.88	3.18	2	09:01	0.00642	
0.0109	0.120							
SS00256		JUNCTION	0.38	69.92	2	09:28	0.00129	
0.246	0.031							
SS00257		JUNCTION	2.12	5.93	3	11:02	0.00844	
0.026	0.102							
SS00258		JUNCTION	0.99	3.90	3	11:04	0.0035	
0.0176	0.113							
SS00259		JUNCTION	2.05	3.02	0	12:00	0.0096	
0.0141	0.068							
SS00260		JUNCTION	0.00	0.96	3	12:00	0	
0.00449	0.129							
SS00261		JUNCTION	0.00	0.96	0	11:59	0	
0.0045	0.116							
SS00262		JUNCTION	0.96	0.96	0	11:00	0.00451	
0.00451	0.120							
SS00263		JUNCTION	1.12	4.47	2	09:14	0.00454	

0.0161	0.203							
SS00264		JUNCTION	1.88	3.36	3	09:05	0.00642	
0.0115	0.226							
SS00265		JUNCTION	0.00	1.12	0	09:09	0	
0.00384	0.085							
SS00266		JUNCTION	1.88	1.88	0	09:00	0.00642	
0.00642	0.086							
SS00267		JUNCTION	0.00	1.87	0	09:04	0	
0.00641	0.205							
SS00268		JUNCTION	0.14	2.00	2	09:13	0.000667	
0.00707	0.136							
SS00269		JUNCTION	6.23	8.09	3	11:00	0.0281	
0.0352	0.096							
SS00270		JUNCTION	0.00	77.57	2	09:29	0	
0.281	0.007							
SS00271		JUNCTION	0.00	77.57	2	09:29	0	
0.281	0.004							
SS00272		JUNCTION	1.69	1.69	0	09:00	0.00578	
0.00578	0.078							
SS00273		JUNCTION	2.25	3.93	0	09:01	0.0077	
0.0135	1.548							
SS00274		JUNCTION	0.00	200.23	2	09:14	0	
0.703	0.011							
SS00275		JUNCTION	0.00	200.23	2	09:15	0	
0.703	0.024							
SS00276		JUNCTION	0.00	196.31	2	09:13	0	
0.689	0.015							
SS00277		JUNCTION	0.00	196.31	2	09:13	0	
0.689	0.007							
SS00278		JUNCTION	0.75	119.30	2	09:04	0.00257	
0.408	0.038							
SS00279		JUNCTION	1.13	118.59	2	09:02	0.00385	
0.406	0.044							
SS00280		JUNCTION	0.03	117.49	2	09:01	0.000145	
0.402	0.030							
SS00281		JUNCTION	117.52	117.52	0	09:00	0.402	
0.402	0.026							
SS00282		JUNCTION	90.00	90.00	0	09:00	0.308	
0.308	0.019							
SS00283		JUNCTION	0.38	0.38	0	09:00	0.00129	
0.00129	0.119							
SS00284		JUNCTION	0.00	7.67	0	09:09	0	
0.0263	0.033							
SS00285		JUNCTION	0.00	1125.97	3	11:22	0	
4.69	0.007							
SS00286		JUNCTION	0.00	123.31	2	09:17	0	
0.421	0.033							
SS00287		JUNCTION	0.00	123.31	0	09:19	0	
0.421	0.058							
SS00288		JUNCTION	0.00	123.28	2	09:22	0	
0.421	0.052							
SS00289		JUNCTION	0.00	123.26	2	09:24	0	
0.421	0.014							
SS00290		JUNCTION	0.00	123.26	0	09:25	0	
0.421	0.032							
SS00291		JUNCTION	0.00	123.25	2	09:26	0	
0.42	0.027							
SS00292		JUNCTION	0.00	138.48	2	09:42	0	
0.471	0.033							
SS00293		JUNCTION	0.00	138.47	0	09:43	0	
0.471	0.027							
SS00294		JUNCTION	0.00	138.47	2	09:44	0	
0.471	0.065							

SS00295		JUNCTION	0.00	138.45	2	09:47	0	
0.47	0.049							
SS00296		JUNCTION	0.00	248.98	1	09:51	0	
0.85	0.012							
SS00297		JUNCTION	0.00	248.98	1	09:51	0	
0.85	0.018							
SS00298		JUNCTION	0.00	248.98	1	09:52	0	
0.85	0.040							
SS00299		JUNCTION	0.00	248.98	1	09:53	0	
0.849	0.023							
SS00300		JUNCTION	0.00	248.97	1	09:54	0	
0.849	0.063							
SS00301		JUNCTION	0.00	248.96	1	09:57	0	
0.849	0.067							
SS00302		JUNCTION	0.00	248.95	1	09:59	0	
0.848	-0.015							
SS00303		JUNCTION	0.00	200.23	2	09:16	0	
0.702	0.017							
SS00304		JUNCTION	50.62	250.56	2	09:14	0.173	
0.875	0.014							
SS00305		JUNCTION	0.00	250.56	2	09:14	0	
0.875	0.027							
SS00306		JUNCTION	24.37	274.79	2	09:15	0.0834	
0.958	0.029							
SS00307		JUNCTION	0.00	274.78	2	09:16	0	
0.958	0.029							
SS00308		JUNCTION	0.00	274.77	2	09:17	0	
0.958	0.016							
SS00309		JUNCTION	0.00	274.77	2	09:18	0	
0.958	0.014							
SS00310		JUNCTION	0.00	274.77	2	09:19	0	
0.958	0.028							
SS00311		JUNCTION	0.00	521.80	0	09:41	0	
1.81	0.046							
SS00312		JUNCTION	0.00	521.80	0	09:43	0	
1.8	0.052							
SS00313		JUNCTION	0.00	521.80	0	09:44	0	
1.8	0.038							
SS00314		JUNCTION	0.00	521.79	0	09:46	0	
1.8	0.073							
SS00315		JUNCTION	278.78	780.64	0	10:00	1.3	
3.1	0.069							
SS00316		JUNCTION	0.38	1.87	2	09:11	0.00129	
0.0064	0.160							
SS00317		JUNCTION	0.00	200.23	2	09:16	0	
0.702	0.010							
SSC00001		JUNCTION	1.31	1.31	0	09:00	0.00449	
0.00449	0.145							
SSC00002		JUNCTION	1.13	1.13	0	09:00	0.00385	
0.00385	0.201							
SSC00003		JUNCTION	0.38	0.38	0	09:00	0.00129	
0.00129	0.451							
SSC00004		JUNCTION	0.00	0.00	0	00:00	0	
0	0.000 gal							
SSC00005		JUNCTION	0.38	0.38	0	09:00	0.00129	
0.00129	0.274							
SSC00006		JUNCTION	0.38	0.38	0	09:00	0.00129	
0.00129	0.152							
SSC00007		JUNCTION	0.00	0.00	0	00:00	0	
0	0.000 gal							
WWTF00001		OUTFALL	0.00	1125.97	3	11:22	0	
4.69	0.000							

****
Node Surcharge Summary
****

No nodes were surcharged.

****
Node Flooding Summary
****

No nodes were flooded.

****
Outfall Loading Summary
****

Outfall Node	Flow Freq Pcnt	Avg Flow GPM	Max Flow GPM	Total Volume 10^6 gal
WWTF00001	99.99	846.85	1125.97	4.694
System	99.99	846.85	1125.97	4.694

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Link Flow Summary
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Link	Type	Maximum |Flow| GPM	Time of Max Occurrence days hr:min	Maximum |Veloc| ft/sec	Max/ Full Flow	Max/ Full Depth
SS00001-SS00002	CONDUIT	90.16	0 09:01	2.30	0.05	0.17
SS00002-SS00003	CONDUIT	90.32	2 09:02	2.37	0.06	0.16
SS00003-SS00004	CONDUIT	90.70	0 09:03	2.86	0.05	0.15
SS00004-SS00005	CONDUIT	91.82	0 09:04	4.21	0.03	0.11
SS00005-SS00006	CONDUIT	94.23	0 09:05	2.87	0.05	0.15
SS00006-SS00007	CONDUIT	94.97	2 09:06	2.02	0.08	0.19
SS00007-SS00008	CONDUIT	95.53	2 09:07	2.49	0.06	0.17
SS00008-SS00009	CONDUIT	95.53	0 09:08	3.55	0.04	0.13
SS00009-SS00012	CONDUIT	99.64	2 09:08	3.60	0.04	0.13
SS00010-SS00009	CONDUIT	3.18	0 09:04	1.08	0.00	0.03
SS00011-SS00010	CONDUIT	1.69	2 09:03	1.04	0.00	0.02
SS00012-SS00013	CONDUIT	100.02	0 09:08	5.24	0.02	0.10
SS00013-SS00014	CONDUIT	100.20	2 09:10	2.31	0.07	0.18
SS00014-SS00015	CONDUIT	100.94	0 09:10	3.93	0.03	0.13
SS00015-SS00016	CONDUIT	101.13	0 09:11	2.06	0.09	0.20
SS00016-SS00017	CONDUIT	102.06	2 09:12	2.13	0.08	0.19
SS00017-SS00032	CONDUIT	103.55	2 09:13	2.39	0.07	0.18
SS00018-SS00017	CONDUIT	1.12	0 09:03	0.74	0.00	0.05
SS00019-SS00020	CONDUIT	0.94	0 09:02	0.76	0.00	0.03
SS00020-SS00021	CONDUIT	1.31	2 09:04	1.33	0.00	0.02
SS00021-SS00022	CONDUIT	1.31	0 09:08	1.14	0.00	0.03
SS00022-SS00023	CONDUIT	2.06	2 09:09	0.74	0.00	0.05
SS00023-SS00024	CONDUIT	3.18	2 09:10	0.88	0.01	0.06
SS00024-SS00025	CONDUIT	5.05	2 09:11	0.93	0.01	0.06
SS00025-SS00026	CONDUIT	5.05	2 09:15	1.21	0.00	0.05

SS00026-SS00027	CONDUIT	7.47	0	09:14	1.09	0.01	0.07
SS00027-SS00028	CONDUIT	8.40	0	09:15	1.16	0.01	0.07
SS00028-SS00029	CONDUIT	9.15	0	09:15	2.27	0.00	0.05
SS00029-SS00286	CONDUIT	123.31	2	09:17	1.74	0.17	0.25
SS00030-SS00029	CONDUIT	105.59	2	09:15	2.19	0.08	0.19
SS00031-SS00030	CONDUIT	104.66	2	09:14	2.22	0.08	0.19
SS00032-SS00031	CONDUIT	104.11	2	09:14	2.07	0.09	0.20
SS00033-SS00034	CONDUIT	0.75	0	09:04	0.64	0.00	0.02
SS00034-SS00035	CONDUIT	1.68	2	09:06	0.80	0.00	0.03
SS00035-SS00036	CONDUIT	3.74	2	09:10	0.87	0.00	0.05
SS00036-SS00037	CONDUIT	5.61	2	09:13	0.99	0.01	0.06
SS00037-SS00038	CONDUIT	6.35	0	09:13	1.11	0.01	0.06
SS00038-SS00039	CONDUIT	7.10	2	09:14	1.06	0.01	0.06
SS00039-SS00040	CONDUIT	7.66	2	09:14	1.10	0.01	0.07
SS00040-SS00041	CONDUIT	8.22	0	09:15	1.06	0.01	0.07
SS00041-SS00029	CONDUIT	8.59	0	09:16	2.21	0.00	0.04
SS00042-SS00043	CONDUIT	0.56	2	09:03	0.89	0.00	0.02
SS00043-SS00044	CONDUIT	1.12	0	09:07	0.72	0.00	0.03
SS00044-SS00045	CONDUIT	1.50	2	09:10	1.07	0.00	0.03
SS00045-SS00316	CONDUIT	1.50	0	09:13	0.71	0.00	0.04
SS00046-SS00049	CONDUIT	2.05	2	09:21	1.07	0.00	0.04
SS00047-SS00048	CONDUIT	123.80	2	09:28	2.58	0.14	0.25
SS00048-SS00049	CONDUIT	123.98	2	09:30	2.53	0.14	0.25
SS00049-SS00050	CONDUIT	126.03	0	09:31	2.55	0.14	0.26
SS00050-SS00051	CONDUIT	126.40	2	09:31	2.74	0.13	0.24
SS00051-SS00052	CONDUIT	126.58	0	09:33	2.73	0.13	0.24
SS00052-SS00060	CONDUIT	126.76	2	09:34	3.42	0.10	0.21
SS00053-SS00242	CONDUIT	138.29	2	09:40	1.67	0.12	0.21
SS00054-SS00053	CONDUIT	128.60	2	09:39	5.14	0.03	0.12
SS00055-SS00054	CONDUIT	128.60	2	09:38	5.86	0.03	0.11
SS00056-SS00055	CONDUIT	128.23	0	09:38	5.24	0.03	0.12
SS00057-SS00056	CONDUIT	128.05	2	09:37	3.12	0.07	0.17
SS00058-SS00057	CONDUIT	127.68	0	09:36	2.84	0.07	0.18
SS00059-SS00058	CONDUIT	127.50	0	09:35	4.33	0.04	0.14
SS00060-SS00059	CONDUIT	127.13	2	09:34	4.61	0.04	0.13
SS00061-SS00062	CONDUIT	0.56	0	09:05	0.00	0.00	0.01
SS00062-SS00063	CONDUIT	0.94	2	09:09	1.11	0.00	0.02
SS00063-SS00064	CONDUIT	1.12	2	09:12	1.24	0.00	0.02
SS00064-SS00065	CONDUIT	1.50	2	09:14	0.96	0.00	0.02
SS00065-SS00112	CONDUIT	1.50	2	09:16	0.78	0.00	0.04
SS00066-SS00067	CONDUIT	0.56	0	09:05	0.84	0.00	0.02
SS00067-SS00068	CONDUIT	0.94	0	09:08	0.79	0.00	0.03
SS00068-SS00069	CONDUIT	1.31	2	09:10	0.80	0.00	0.03
SS00069-SS00076	CONDUIT	1.50	2	09:11	0.92	0.00	0.03
SS00070-SS00073	CONDUIT	0.19	2	09:06	0.00	0.00	0.01
SS00071-SS00072	CONDUIT	0.56	2	09:05	0.76	0.00	0.02
SS00072-SS00073	CONDUIT	0.75	2	09:09	0.81	0.00	0.02
SS00073-SS00074	CONDUIT	0.94	2	09:11	0.93	0.00	0.02
SS00074-SS00075	CONDUIT	1.31	0	09:11	0.98	0.00	0.03
SS00075-SS00076	CONDUIT	1.50	0	09:13	1.10	0.00	0.03
SS00076-SS00077	CONDUIT	3.18	2	09:13	1.32	0.00	0.04
SS00077-SS00078	CONDUIT	3.37	0	09:16	1.38	0.00	0.04
SS00078-SS00079	CONDUIT	3.37	0	09:17	1.34	0.00	0.04
SS00079-SS00081	CONDUIT	4.30	0	09:17	1.48	0.00	0.05
SS00080-SS00079	CONDUIT	0.75	2	09:05	0.80	0.00	0.02
SS00081-SS00082	CONDUIT	4.67	0	09:19	1.32	0.01	0.06
SS00082-SS00083	CONDUIT	4.67	2	09:20	1.02	0.01	0.07
SS00083-SS00086	CONDUIT	5.05	2	09:22	1.06	0.01	0.07
SS00084-SS00085	CONDUIT	0.75	0	09:05	0.78	0.00	0.02
SS00085-SS00087	CONDUIT	5.98	0	09:24	1.06	0.01	0.08
SS00086-SS00085	CONDUIT	5.05	2	09:23	1.11	0.01	0.07
SS00087-SS00088	CONDUIT	6.16	0	09:26	1.07	0.01	0.08
SS00088-SS00099	CONDUIT	6.16	2	09:28	1.07	0.01	0.08

SS00089-SS00090	CONDUIT	0.38	2	09:02	0.00	0.00	0.01
SS00090-SS00091	CONDUIT	0.56	2	09:04	1.09	0.00	0.02
SS00091-SS00092	CONDUIT	0.94	2	09:05	1.17	0.00	0.02
SS00092-SS00093	CONDUIT	1.31	2	09:09	0.86	0.00	0.03
SS00093-SS00094	CONDUIT	1.69	2	09:12	0.88	0.00	0.04
SS00094-SS00095	CONDUIT	1.87	2	09:15	0.90	0.00	0.04
SS00095-SS00097	CONDUIT	2.99	0	09:14	1.25	0.00	0.04
SS00096-SS00095	CONDUIT	0.56	0	09:06	0.89	0.00	0.02
SS00097-SS00098	CONDUIT	3.37	0	09:15	1.37	0.00	0.04
SS00098-SS00099	CONDUIT	3.37	2	09:16	1.91	0.00	0.04
SS00099-SS00100	CONDUIT	9.52	2	09:25	1.95	0.01	0.05
SS00100-SS00101	CONDUIT	9.71	2	09:27	2.02	0.01	0.05
SS00101-SS00053	CONDUIT	9.71	0	09:30	1.14	0.02	0.10
SS00102-SS00285	CONDUIT	1125.97	3	11:22	2.64	0.46	0.42
SS00103-SS00102	CONDUIT	779.95	0	10:19	2.70	0.24	0.31
SS00104-SS00103	CONDUIT	779.84	0	10:18	2.99	0.22	0.29
SS00105-SS00104	CONDUIT	779.86	0	10:17	2.58	0.30	0.32
SS00106-SS00105	CONDUIT	779.87	0	10:16	3.13	0.19	0.28
SS00107-SS00106	CONDUIT	779.87	0	10:15	2.80	0.25	0.30
SS00108-SS00107	CONDUIT	779.98	0	10:13	2.15	0.31	0.37
SS00109-SS00108	CONDUIT	780.04	0	10:12	2.52	0.39	0.33
SS00110-SS00109	CONDUIT	780.09	0	10:11	2.53	0.20	0.33
SS00111-SS00110	CONDUIT	780.95	0	10:08	1.97	0.13	0.24
SS00112-SS00113	CONDUIT	1.50	0	09:17	1.42	0.00	0.03
SS00113-SS00114	CONDUIT	2.80	0	09:11	1.19	0.00	0.04
SS00114-SS00115	CONDUIT	3.74	2	09:11	1.49	0.00	0.04
SS00115-SS00116	CONDUIT	4.29	0	09:11	1.57	0.00	0.05
SS00116-SS00117	CONDUIT	5.23	0	09:11	1.64	0.01	0.05
SS00117-SS00118	CONDUIT	5.60	2	09:12	1.60	0.01	0.06
SS00118-SS00119	CONDUIT	5.79	2	09:12	1.97	0.00	0.05
SS00119-SS00120	CONDUIT	6.16	2	09:12	1.83	0.01	0.05
SS00120-SS00121	CONDUIT	10.47	0	09:10	2.80	0.01	0.06
SS00121-SS00122	CONDUIT	10.65	0	09:11	2.79	0.01	0.06
SS00122-SS00123	CONDUIT	11.40	2	09:14	1.27	0.02	0.11
SS00123-SS00183	CONDUIT	19.44	2	09:14	3.07	0.01	0.06
SS00124-SS00123	CONDUIT	7.67	0	09:11	1.24	0.01	0.08
SS00125-SS00284	CONDUIT	6.92	0	09:10	2.48	0.00	0.05
SS00126-SS00125	CONDUIT	5.80	2	09:10	2.15	0.00	0.05
SS00127-SS00126	CONDUIT	1.69	0	09:09	1.10	0.00	0.03
SS00128-SS00127	CONDUIT	1.69	2	09:08	1.08	0.00	0.03
SS00129-SS00128	CONDUIT	1.50	0	09:07	0.98	0.00	0.03
SS00130-SS00129	CONDUIT	1.12	2	09:05	0.81	0.00	0.03
SS00131-SS00130	CONDUIT	0.94	0	09:05	0.82	0.00	0.03
SS00132-SS00131	CONDUIT	0.75	2	09:04	0.77	0.00	0.02
SS00133-SS00126	CONDUIT	3.18	2	09:11	1.17	0.00	0.05
SS00134-SS00133	CONDUIT	2.81	2	09:09	1.11	0.00	0.04
SS00135-SS00134	CONDUIT	2.43	2	09:08	1.02	0.00	0.04
SS00136-SS00135	CONDUIT	2.06	0	09:05	1.00	0.00	0.04
SS00137-SS00284	CONDUIT	0.75	0	09:03	1.00	0.00	0.02
SS00138-SS00139	CONDUIT	0.56	2	09:02	0.95	0.00	0.02
SS00139-SS00140	CONDUIT	1.12	2	09:03	1.04	0.00	0.03
SS00140-SS00141	CONDUIT	1.87	2	09:04	1.14	0.00	0.03
SS00141-SS00142	CONDUIT	2.25	0	09:05	1.28	0.00	0.04
SS00142-SS00143	CONDUIT	3.18	2	09:06	1.40	0.00	0.04
SS00143-SS00144	CONDUIT	3.74	0	09:06	1.39	0.00	0.05
SS00144-SS00120	CONDUIT	4.12	2	09:07	1.40	0.00	0.05
SS00145-SS00152	CONDUIT	0.75	2	09:02	1.05	0.00	0.02
SS00146-SS00147	CONDUIT	0.75	0	09:04	0.72	0.00	0.02
SS00147-SS00148	CONDUIT	0.75	2	09:07	0.66	0.00	0.03
SS00148-SS00149	CONDUIT	0.94	0	09:07	0.85	0.00	0.03
SS00149-SS00150	CONDUIT	2.24	0	09:07	1.22	0.00	0.04
SS00150-SS00161	CONDUIT	55.25	2	09:05	1.97	0.06	0.17
SS00151-SS00150	CONDUIT	53.01	2	09:04	1.83	0.13	0.24

SS00152-SS00151	CONDUIT	0.94	0	09:03	1.20	0.00	0.02
SS00153-SS00151	CONDUIT	51.89	0	09:03	2.32	0.09	0.20
SS00154-SS00153	CONDUIT	51.89	2	09:03	1.88	0.12	0.23
SS00155-SS00154	CONDUIT	44.99	2	09:00	2.55	0.06	0.17
SS00156-SS00157	CONDUIT	0.56	0	09:02	1.04	0.00	0.02
SS00157-SS00158	CONDUIT	2.25	0	09:04	1.45	0.00	0.03
SS00158-SS00154	CONDUIT	3.94	2	09:05	1.77	0.00	0.04
SS00159-SS00154	CONDUIT	2.62	2	09:08	0.85	0.01	0.05
SS00160-SS00159	CONDUIT	1.50	0	09:03	0.55	0.00	0.05
SS00161-SS00162	CONDUIT	55.25	2	09:05	1.53	0.13	0.20
SS00162-SS00184	CONDUIT	55.23	2	09:08	1.82	0.07	0.18
SS00163-SS00164	CONDUIT	20.51	2	09:31	2.21	0.03	0.11
SS00164-SS00165	CONDUIT	22.36	0	09:31	1.18	0.03	0.18
SS00165-SS00166	CONDUIT	23.84	2	09:32	1.13	0.03	0.19
SS00166-SS00167	CONDUIT	25.51	2	09:35	2.58	0.03	0.11
SS00167-SS00168	CONDUIT	27.36	0	09:35	2.56	0.03	0.12
SS00168-SS00169	CONDUIT	29.21	0	09:36	2.63	0.03	0.12
SS00169-SS00170	CONDUIT	30.13	0	09:37	2.78	0.03	0.12
SS00170-SS00173	CONDUIT	36.64	0	09:34	3.17	0.03	0.13
SS00171-SS00170	CONDUIT	6.54	0	09:15	1.39	0.01	0.07
SS00172-SS00171	CONDUIT	6.54	2	09:14	0.66	0.01	0.12
SS00173-SS00179	CONDUIT	36.83	2	09:34	3.73	0.03	0.11
SS00174-SS00172	CONDUIT	6.54	0	09:13	1.26	0.01	0.07
SS00175-SS00174	CONDUIT	4.68	2	09:08	0.38	0.01	0.13
SS00176-SS00175	CONDUIT	2.81	0	09:03	0.69	0.00	0.11
SS00177-SS00176	CONDUIT	0.38	2	09:02	0.00	0.00	0.01
SS00178-SS00176	CONDUIT	0.56	2	09:03	1.00	0.00	0.02
SS00179-SS00180	CONDUIT	249.00	1	09:49	3.30	0.02	0.10
SS00180-SS00296	CONDUIT	248.98	1	09:51	2.87	0.10	0.21
SS00181-SS00179	CONDUIT	212.23	1	09:50	1.53	0.08	0.15
SS00182-SS00181	CONDUIT	212.27	1	09:46	1.61	0.04	0.15
SS00183-SS00182	CONDUIT	74.65	0	09:12	2.44	0.07	0.18
SS00184-SS00183	CONDUIT	55.21	2	09:11	1.91	0.07	0.18
SS00185-SS00186	CONDUIT	1.50	2	09:04	0.75	0.00	0.04
SS00186-SS00187	CONDUIT	3.56	0	09:07	1.04	0.01	0.06
SS00187-SS00188	CONDUIT	4.49	0	09:11	1.17	0.01	0.06
SS00188-SS00189	CONDUIT	5.05	0	09:11	1.49	0.01	0.05
SS00189-SS00190	CONDUIT	6.54	2	09:12	1.75	0.01	0.06
SS00190-SS00191	CONDUIT	7.85	2	09:12	1.77	0.01	0.07
SS00191-SS00214	CONDUIT	23.55	2	09:15	1.92	0.04	0.13
SS00192-SS00191	CONDUIT	15.70	2	09:13	1.56	0.03	0.12
SS00193-SS00192	CONDUIT	14.77	2	09:12	1.71	0.02	0.10
SS00194-SS00193	CONDUIT	14.40	2	09:11	1.72	0.02	0.10
SS00195-SS00194	CONDUIT	3.37	2	09:07	0.99	0.01	0.06
SS00196-SS00195	CONDUIT	1.87	2	09:04	1.17	0.00	0.03
SS00197-SS00198	CONDUIT	0.56	0	09:03	0.97	0.00	0.02
SS00198-SS00199	CONDUIT	4.67	0	09:08	1.27	0.01	0.06
SS00199-SS00200	CONDUIT	5.42	2	09:09	1.21	0.01	0.07
SS00200-SS00194	CONDUIT	10.66	2	09:12	1.29	0.02	0.10
SS00201-SS00200	CONDUIT	4.49	0	09:09	1.21	0.01	0.06
SS00202-SS00201	CONDUIT	3.37	2	09:08	0.99	0.01	0.05
SS00203E-SS00202	CONDUIT	2.06	2	09:06	0.89	0.00	0.04
SS00203N-SS00204	CONDUIT	0.75	2	09:05	0.77	0.00	0.02
SS00204-SS00198	CONDUIT	2.81	2	09:07	0.96	0.00	0.05
SS00205-SS00204	CONDUIT	1.31	0	09:02	0.77	0.00	0.03
SS00206-SS00207	CONDUIT	1.87	2	09:04	0.97	0.00	0.04
SS00207-SS00208	CONDUIT	3.18	2	09:06	1.12	0.00	0.05
SS00208-SS00209	CONDUIT	4.30	2	09:08	1.12	0.01	0.06
SS00209-SS00210	CONDUIT	7.86	2	09:09	1.87	0.01	0.06
SS00210-SS00211	CONDUIT	11.22	0	09:12	1.27	0.02	0.11
SS00211-SS00212	CONDUIT	12.90	2	09:14	1.28	0.01	0.08
SS00212-SS00222	CONDUIT	14.39	0	09:15	1.94	0.01	0.07
SS00213-SS00247	CONDUIT	44.28	0	09:19	1.55	0.04	0.14

SS00214-SS00222	CONDUIT	25.97	2	09:16	3.18	0.01	0.06
SS00215-SS00214	CONDUIT	1.68	2	09:07	1.24	0.00	0.02
SS00216-SS00215	CONDUIT	0.75	0	09:05	0.96	0.00	0.01
SS00217-SS00218	CONDUIT	1.87	2	09:04	0.86	0.00	0.04
SS00218-SS00209	CONDUIT	3.00	2	09:06	1.06	0.00	0.05
SS00219-SS00210	CONDUIT	2.99	2	09:08	0.90	0.01	0.05
SS00220-SS00219	CONDUIT	1.87	0	09:06	0.76	0.00	0.04
SS00221-SS00210	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
SS00222-SS00213	CONDUIT	40.36	0	09:18	1.40	0.04	0.14
SS00223-SS00224	CONDUIT	1.69	2	09:03	0.82	0.00	0.07
SS00224-SS00225	CONDUIT	1.87	2	09:07	0.83	0.00	0.04
SS00225-SS00226	CONDUIT	2.81	2	09:10	0.91	0.01	0.05
SS00226-SS00234	CONDUIT	3.93	0	09:13	0.98	0.01	0.06
SS00227-SS00226	CONDUIT	1.12	0	09:06	0.93	0.00	0.03
SS00228-SS00229	CONDUIT	1.12	2	09:02	0.81	0.00	0.03
SS00229-SS00230	CONDUIT	3.37	2	09:07	0.93	0.01	0.06
SS00230-SS00231	CONDUIT	4.49	2	09:07	1.20	0.01	0.06
SS00231-SS00232	CONDUIT	5.61	2	09:11	1.38	0.01	0.06
SS00232-LS00001	CONDUIT	13.64	2	09:13	2.34	0.01	0.10
SS00233-SS00232	CONDUIT	7.85	2	09:15	1.33	0.01	0.08
SS00234-SS00233	CONDUIT	6.73	2	09:13	1.16	0.01	0.08
SS00235-SS00236	CONDUIT	1.87	2	09:04	0.92	0.00	0.04
SS00236-SS00237	CONDUIT	2.81	2	09:08	0.94	0.00	0.05
SS00237-SS00238	CONDUIT	4.86	0	09:10	1.09	0.01	0.07
SS00238-SS00239	CONDUIT	5.05	2	09:12	1.39	0.01	0.06
SS00239-LS00001	CONDUIT	5.05	2	09:14	0.64	0.01	0.11
SS00240-SS00292	CONDUIT	138.48	2	09:42	4.34	0.01	0.08
SS00241-SS00240	CONDUIT	138.48	2	09:42	4.60	0.01	0.07
SS00242-SS00241	CONDUIT	138.48	0	09:41	2.23	0.08	0.17
SS00243-SS00244	CONDUIT	0.56	2	09:03	0.00	0.00	0.01
SS00244-SS00245	CONDUIT	1.87	0	09:07	0.83	0.00	0.04
SS00245-SS00246	CONDUIT	2.80	2	09:11	1.00	0.00	0.05
SS00246-SS00213	CONDUIT	3.92	2	09:13	1.17	0.01	0.05
SS00247-SS00252	CONDUIT	52.86	2	09:22	1.55	0.06	0.15
SS00248-SS00247	CONDUIT	8.59	0	09:12	1.55	0.01	0.08
SS00249-SS00248	CONDUIT	6.35	2	09:11	1.11	0.01	0.08
SS00250-SS00249	CONDUIT	4.11	2	09:08	0.94	0.01	0.07
SS00251-SS00250	CONDUIT	2.25	0	09:01	1.22	0.00	0.04
SS00252-SS00253	CONDUIT	54.53	2	09:24	1.80	0.04	0.14
SS00253-SS00254	CONDUIT	56.19	2	09:27	1.71	0.05	0.15
SS00254-SS00256	CONDUIT	59.36	2	09:27	3.80	0.02	0.09
SS00255-SS00254	CONDUIT	3.18	2	09:09	0.94	0.01	0.05
SS00256-SS00270	CONDUIT	69.92	2	09:29	3.79	0.02	0.10
SS00257-SS00256	CONDUIT	5.92	3	11:09	1.27	0.01	0.07
SS00258-SS00257	CONDUIT	3.90	3	11:11	1.05	0.01	0.06
SS00259-SS00258	CONDUIT	3.02	0	12:00	0.99	0.01	0.05
SS00260-SS00259	CONDUIT	0.96	0	12:00	0.87	0.00	0.03
SS00261-SS00260	CONDUIT	0.96	3	12:00	0.93	0.00	0.02
SS00262-SS00261	CONDUIT	0.96	0	11:59	0.85	0.00	0.03
SS00263-SS00256	CONDUIT	4.46	2	09:23	0.71	0.02	0.08
SS00264-SS00263	CONDUIT	3.36	0	09:17	0.66	0.01	0.07
SS00265-SS00264	CONDUIT	1.12	0	09:12	0.92	0.00	0.04
SS00266-SS00267	CONDUIT	1.87	0	09:04	0.63	0.01	0.09
SS00267-SS00268	CONDUIT	1.87	2	09:11	0.60	0.01	0.08
SS00268-SS00269	CONDUIT	1.99	2	09:20	0.74	0.00	0.05
SS00269-SS00270	CONDUIT	8.04	3	11:11	1.21	0.02	0.09
SS00270-SS00271	CONDUIT	77.57	2	09:29	3.03	0.03	0.13
SS00271-SS00277	CONDUIT	77.57	2	09:30	2.80	0.03	0.13
SS00272-SS00273	CONDUIT	1.69	2	09:04	0.32	0.00	0.28
SS00273-SS00274	CONDUIT	3.92	0	09:13	0.84	0.01	0.07
SS00274-SS00275	CONDUIT	200.23	2	09:15	3.89	0.09	0.20
SS00275-SS00303	CONDUIT	200.23	2	09:16	4.19	0.08	0.19
SS00276-SS00274	CONDUIT	196.31	2	09:14	4.87	0.06	0.17

SS00277-SS00276	CONDUIT	196.31	2	09:13	4.97	0.06	0.17
SS00278-SS00277	CONDUIT	119.28	2	09:06	2.95	0.20	0.30
SS00279-SS00278	CONDUIT	118.55	2	09:04	2.92	0.20	0.31
SS00280-SS00279	CONDUIT	117.47	2	09:02	2.91	0.16	0.30
SS00281-SS00280	CONDUIT	117.46	2	09:01	1.96	0.40	0.41
SS00282-SS00001	CONDUIT	89.97	2	09:00	3.25	0.12	0.23
SS00283-SS00123	CONDUIT	0.38	0	09:04	0.71	0.00	0.02
SS00284-SS00124	CONDUIT	7.67	0	09:11	2.52	0.01	0.05
SS00285-WWTF00001	CONDUIT	1125.97	3	11:22	3.28	0.38	0.35
SS00286-SS00287	CONDUIT	123.31	0	09:19	2.37	0.29	0.37
SS00287-SS00288	CONDUIT	123.28	2	09:22	2.13	0.36	0.40
SS00288-SS00289	CONDUIT	123.26	2	09:24	2.32	0.30	0.37
SS00289-SS00290	CONDUIT	123.26	0	09:25	2.52	0.26	0.35
SS00290-SS00291	CONDUIT	123.25	2	09:26	3.90	0.14	0.26
SS00291-SS00047	CONDUIT	123.25	0	09:27	2.77	0.23	0.33
SS00292-SS00293	CONDUIT	138.47	0	09:43	3.35	0.02	0.10
SS00293-SS00294	CONDUIT	138.47	2	09:44	3.42	0.02	0.10
SS00294-SS00295	CONDUIT	138.45	2	09:47	2.12	0.04	0.14
SS00295-SS00182	CONDUIT	138.44	2	09:49	2.57	0.03	0.12
SS00296-SS00297	CONDUIT	248.98	1	09:51	4.49	0.05	0.16
SS00297-SS00298	CONDUIT	248.98	1	09:52	4.10	0.06	0.17
SS00298-SS00299	CONDUIT	248.98	1	09:53	3.32	0.08	0.19
SS00299-SS00300	CONDUIT	248.97	1	09:54	2.67	0.07	0.23
SS00300-SS00301	CONDUIT	248.96	1	09:57	2.27	0.16	0.25
SS00301-SS00302	CONDUIT	248.95	1	09:59	2.12	0.18	0.27
SS00302-SS00311	CONDUIT	248.95	1	10:00	1.76	0.32	0.30
SS00303-SS00317	CONDUIT	200.23	2	09:16	4.76	0.07	0.18
SS00304-SS00305	CONDUIT	250.56	2	09:14	5.33	0.04	0.14
SS00305-SS00306	CONDUIT	250.55	2	09:15	3.90	0.07	0.17
SS00306-SS00307	CONDUIT	274.78	2	09:16	3.97	0.07	0.18
SS00307-SS00308	CONDUIT	274.77	2	09:17	4.05	0.07	0.18
SS00308-SS00309	CONDUIT	274.77	2	09:18	3.90	0.08	0.19
SS00309-SS00310	CONDUIT	274.77	2	09:19	3.92	0.07	0.18
SS00310-SS00311	CONDUIT	274.77	2	09:19	5.14	0.05	0.16
SS00311-SS00312	CONDUIT	521.80	0	09:43	2.69	0.13	0.24
SS00312-SS00313	CONDUIT	521.80	0	09:44	2.16	0.19	0.28
SS00313-SS00314	CONDUIT	521.79	0	09:46	2.23	0.18	0.27
SS00314-SS00315	CONDUIT	521.78	0	09:49	2.72	0.13	0.23
SS00315-SS00111	CONDUIT	781.21	0	10:05	2.39	0.10	0.21
SSC00001-SS00255	CONDUIT	1.31	2	09:06	0.64	0.01	0.06
SSC00002-SS00265	CONDUIT	1.12	0	09:09	0.60	0.01	0.05
SSC00003-SS00264	CONDUIT	0.37	2	09:25	0.47	0.00	0.02
SSC00004-SS00225	CONDUIT	0.00	0	00:00	0.00	0.00	0.02
SSC00005-SS00244	CONDUIT	0.37	0	09:09	0.51	0.00	0.02
SSC00006-SS00231	CONDUIT	0.38	0	09:04	0.53	0.00	0.02
SSC00007-SS00015	CONDUIT	0.00	0	00:00	0.00	0.00	0.09
SS00203N-SSS00203E	CONDUIT	0.00	0	00:00	0.00	0.00	0.01
SS00316-SS00046	CONDUIT	1.87	0	09:18	0.82	0.00	0.04
SS00317-SS00304	CONDUIT	200.23	2	09:17	4.85	0.07	0.17
Future_8inch_Pipe	CONDUIT	18.66	0	09:25	1.56	0.04	0.13

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Flow Classification Summary
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	Adjusted	---------- Fraction of Time in Flow Class ----------						
	/Actual	Up	Down	Sub	Sup	Up	Down	Norm Inlet

Conduit	Length	Dry	Dry	Dry	Crit	Crit	Crit	Crit	Ltd Ctrl
SS00001-SS00002	1.00	0.00	0.00	0.00	0.17	0.83	0.00	0.00	1.00 0.00
SS00002-SS00003	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00 0.00
SS00003-SS00004	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00 0.00
SS00004-SS00005	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00 0.00
SS00005-SS00006	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00 0.00
SS00006-SS00007	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00 0.00
SS00007-SS00008	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00 0.00
SS00008-SS00009	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00 0.00
SS00009-SS00012	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00 0.00
SS00010-SS00009	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00 0.00
SS00011-SS00010	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00 0.00
SS00012-SS00013	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00 0.00
SS00013-SS00014	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00 0.00
SS00014-SS00015	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00 0.00
SS00015-SS00016	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00 0.00
SS00016-SS00017	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00 0.00
SS00017-SS00032	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00 0.00
SS00018-SS00017	1.00	0.00	0.00	0.00	0.33	0.10	0.00	0.57	0.25 0.00
SS00019-SS00020	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00 0.00
SS00020-SS00021	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00 0.00
SS00021-SS00022	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00 0.00
SS00022-SS00023	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00 0.00
SS00023-SS00024	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00 0.00
SS00024-SS00025	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00 0.00
SS00025-SS00026	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00 0.00
SS00026-SS00027	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00 0.00
SS00027-SS00028	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00 0.00
SS00028-SS00029	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00 0.00
SS00029-SS00286	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00 0.00

SS00030-SS00029	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00031-SS00030	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00032-SS00031	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00033-SS00034	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00034-SS00035	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00035-SS00036	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00036-SS00037	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00037-SS00038	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00038-SS00039	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00039-SS00040	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00040-SS00041	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00041-SS00029	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00042-SS00043	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00043-SS00044	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00044-SS00045	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00045-SS00316	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00
0.00									
SS00046-SS00049	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00047-SS00048	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00048-SS00049	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00049-SS00050	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00050-SS00051	1.00	0.00	0.00	0.00	0.01	0.99	0.00	0.00	0.90
0.00									
SS00051-SS00052	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00052-SS00060	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00053-SS00242	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00054-SS00053	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00055-SS00054	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00056-SS00055	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00057-SS00056	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00058-SS00057	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00059-SS00058	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00060-SS00059	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00061-SS00062	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00

0.00									
SS00062-SS00063	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00063-SS00064	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00064-SS00065	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00065-SS00112	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00066-SS00067	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00067-SS00068	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00068-SS00069	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00069-SS00076	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00070-SS00073	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00071-SS00072	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00072-SS00073	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00073-SS00074	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00074-SS00075	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00
0.00									
SS00075-SS00076	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00076-SS00077	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.94
0.00									
SS00077-SS00078	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00078-SS00079	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00079-SS00081	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00080-SS00079	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00081-SS00082	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00082-SS00083	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00083-SS00086	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00084-SS00085	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00085-SS00087	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00086-SS00085	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00087-SS00088	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00088-SS00099	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00089-SS00090	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00090-SS00091	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00091-SS00092	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00092-SS00093	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									

SS00093-SS00094	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00094-SS00095	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00095-SS00097	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00096-SS00095	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00097-SS00098	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00098-SS00099	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00099-SS00100	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00100-SS00101	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00101-SS00053	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00102-SS00285	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00103-SS00102	1.00	0.00	0.00	0.00	0.42	0.00	0.00	0.58	0.00
0.00									
SS00104-SS00103	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00105-SS00104	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
0.00									
SS00106-SS00105	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00107-SS00106	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00108-SS00107	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.25
0.00									
SS00109-SS00108	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00110-SS00109	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
0.00									
SS00111-SS00110	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
0.00									
SS00112-SS00113	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00113-SS00114	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00
0.00									
SS00114-SS00115	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00115-SS00116	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00116-SS00117	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00117-SS00118	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00118-SS00119	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00119-SS00120	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00120-SS00121	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00
0.00									
SS00121-SS00122	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00122-SS00123	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00123-SS00183	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00124-SS00123	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00

0.00									
SS00125-SS00284	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00126-SS00125	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00127-SS00126	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00128-SS00127	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00129-SS00128	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00130-SS00129	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00131-SS00130	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00132-SS00131	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00133-SS00126	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00134-SS00133	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00135-SS00134	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00136-SS00135	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00137-SS00284	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00138-SS00139	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00139-SS00140	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00140-SS00141	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00141-SS00142	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00142-SS00143	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00143-SS00144	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00144-SS00120	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00145-SS00152	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00146-SS00147	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00147-SS00148	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00148-SS00149	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00149-SS00150	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00150-SS00161	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00151-SS00150	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00152-SS00151	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00153-SS00151	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00154-SS00153	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00155-SS00154	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									

SS00156-SS00157	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00157-SS00158	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00158-SS00154	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00159-SS00154	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00160-SS00159	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00
0.00									
SS00161-SS00162	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00162-SS00184	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00163-SS00164	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00164-SS00165	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00
0.00									
SS00165-SS00166	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.99
0.00									
SS00166-SS00167	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00
0.00									
SS00167-SS00168	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00168-SS00169	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00169-SS00170	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00170-SS00173	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00171-SS00170	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00
0.00									
SS00172-SS00171	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.99
0.00									
SS00173-SS00179	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00174-SS00172	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00
0.00									
SS00175-SS00174	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00
0.00									
SS00176-SS00175	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00
0.00									
SS00177-SS00176	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00178-SS00176	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00179-SS00180	1.00	0.00	0.00	0.00	0.00	0.78	0.00	0.22	0.73
0.00									
SS00180-SS00296	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00181-SS00179	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00182-SS00181	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.84
0.00									
SS00183-SS00182	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00184-SS00183	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00185-SS00186	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00186-SS00187	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00187-SS00188	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00

0.00									
SS00188-SS00189	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00189-SS00190	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00190-SS00191	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00191-SS00214	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00192-SS00191	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00193-SS00192	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00194-SS00193	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00195-SS00194	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00196-SS00195	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00197-SS00198	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00198-SS00199	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00199-SS00200	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00200-SS00194	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00201-SS00200	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00202-SS00201	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00203E-SS00202	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00203N-SS00204	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00204-SS00198	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00205-SS00204	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00206-SS00207	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00207-SS00208	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00208-SS00209	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00209-SS00210	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00210-SS00211	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00211-SS00212	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00212-SS00222	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00213-SS00247	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00214-SS00222	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00215-SS00214	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00216-SS00215	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00217-SS00218	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									

SS00218-SS00209	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00219-SS00210	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00220-SS00219	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00221-SS00210	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
SS00222-SS00213	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00223-SS00224	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00
0.00									
SS00224-SS00225	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00225-SS00226	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00226-SS00234	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00227-SS00226	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00228-SS00229	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00229-SS00230	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00230-SS00231	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00
0.00									
SS00231-SS00232	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00232-LS00001	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00
0.00									
SS00233-SS00232	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00234-SS00233	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00235-SS00236	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00236-SS00237	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00237-SS00238	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00238-SS00239	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00239-LS00001	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00
0.00									
SS00240-SS00292	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00
0.00									
SS00241-SS00240	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00
0.00									
SS00242-SS00241	1.00	0.00	0.00	0.00	0.85	0.15	0.00	0.00	0.24
0.00									
SS00243-SS00244	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00244-SS00245	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00245-SS00246	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00246-SS00213	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00247-SS00252	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00248-SS00247	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00249-SS00248	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00

0.00									
SS00250-SS00249	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00251-SS00250	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00
0.00									
SS00252-SS00253	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00253-SS00254	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00254-SS00256	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00255-SS00254	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00256-SS00270	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00257-SS00256	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00258-SS00257	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00259-SS00258	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00260-SS00259	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00261-SS00260	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00262-SS00261	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00263-SS00256	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00264-SS00263	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00265-SS00264	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00266-SS00267	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00
0.00									
SS00267-SS00268	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00268-SS00269	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00269-SS00270	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00270-SS00271	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00271-SS00277	1.00	0.00	0.00	0.00	0.00	0.86	0.00	0.14	0.83
0.00									
SS00272-SS00273	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00
0.00									
SS00273-SS00274	1.00	0.03	0.00	0.00	0.00	0.00	0.00	0.97	0.00
0.00									
SS00274-SS00275	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00275-SS00303	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00276-SS00274	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00277-SS00276	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00278-SS00277	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00279-SS00278	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00280-SS00279	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00
0.00									

SS00281-SS00280	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.15
0.00									
SS00282-SS00001	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00283-SS00123	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00284-SS00124	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00285-WWTF00001	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
0.00									
SS00286-SS00287	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00287-SS00288	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00288-SS00289	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00289-SS00290	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00290-SS00291	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00291-SS00047	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00292-SS00293	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00
0.00									
SS00293-SS00294	1.00	0.01	0.00	0.00	0.00	0.84	0.00	0.15	0.80
0.00									
SS00294-SS00295	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00
0.00									
SS00295-SS00182	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00
0.00									
SS00296-SS00297	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00297-SS00298	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00298-SS00299	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00299-SS00300	1.00	0.00	0.00	0.00	0.16	0.84	0.00	0.00	0.99
0.00									
SS00300-SS00301	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00301-SS00302	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00302-SS00311	1.00	0.00	0.00	0.00	0.23	0.00	0.00	0.77	0.00
0.00									
SS00303-SS00317	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00304-SS00305	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00305-SS00306	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00306-SS00307	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00307-SS00308	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00308-SS00309	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00309-SS00310	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00310-SS00311	1.00	0.00	0.00	0.00	0.00	0.20	0.00	0.80	0.18
0.00									
SS00311-SS00312	1.00	0.00	0.00	0.00	0.22	0.00	0.00	0.78	0.00
0.00									
SS00312-SS00313	1.00	0.00	0.00	0.00	0.85	0.00	0.00	0.14	0.00

0.00									
SS00313-SS00314	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
0.00									
SS00314-SS00315	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00315-SS00111	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
0.00									
SSC00001-SS00255	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SSC00002-SS00265	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SSC00003-SS00264	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SSC00004-SS00225	1.00	0.17	0.83	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
SSC00005-SS00244	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SSC00006-SS00231	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SSC00007-SS00015	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
SS00203N-SSS00203E	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
SS00316-SS00046	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00317-SS00304	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
Future_8inch_Pipe	1.00	0.00	0.00	0.00	0.11	0.89	0.00	0.00	0.00
0.00									

****
Conduit Surcharge Summary
****

No conduits were surcharged.

Analysis begun on: Fri Jan 27 08:42:54 2017
Analysis ended on: Fri Jan 27 08:45:05 2017
Total elapsed time: 00:02:11

```
[TITLE]
;;Project Title/Notes
1970.63c - Town of Mead Sanitary Sewer System - Future Flow Analysis using Industry
Standard Data 2016

[OPTIONS]
;;Option             Value
FLOW_UNITS           GPM
INFILTRATION         HORTON
FLOW_ROUTING         DYNWAVE
LINK_OFFSETS         DEPTH
MIN_SLOPE            0
ALLOW_PONDING        YES
SKIP_STEADY_STATE    NO

START_DATE           07/26/2016
START_TIME           00:00:00
REPORT_START_DATE    07/26/2016
REPORT_START_TIME    00:00:00
END_DATE             07/30/2016
END_TIME             00:00:00
SWEEP_START          01/01
SWEEP_END            12/31
DRY_DAYS             0
REPORT_STEP          00:00:05
WET_STEP             00:00:05
DRY_STEP             00:00:05
ROUTING_STEP         0:00:05

INERTIAL_DAMPING     PARTIAL
NORMAL_FLOW_LIMITED  BOTH
FORCE_MAIN_EQUATION  H-W
VARIABLE_STEP        0.75
LENGTHENING_STEP     0
MIN_SURFAREA         12.566
MAX_TRIALS           20
HEAD_TOLERANCE       0.005
SYS_FLOW_TOL         5
LAT_FLOW_TOL         5
MINIMUM_STEP         0.5
THREADS              1

[EVAPORATION]
;;Data Source    Parameters
;;-------------- ----------------
CONSTANT         0.0
DRY_ONLY         NO

[JUNCTIONS]
;;Name           Elevation  MaxDepth   InitDepth  SurDepth   Aponded
;;-------------- ---------- ---------- ---------- ---------- ----------
SS00001          5074.35    9.23       0          0          0
SS00002          5073.17    9.87       0          0          0
SS00003          5072.22    12.03      0          0          0
SS00004          5070.71    11.54      0          0          0
SS00005          5065.48    12.69      0          0          0
SS00006          5061.71    9.66       0          0          0
SS00007          5061.17    9.66       0          0          0
SS00008          5060.33    9.71       0          0          0
SS00009          5057.95    10.01      0          0          0
SS00010          5060.72    10.11      0          0          0
SS00011          5063.21    10.17      0          0          0
SS00012          5055.17    10.31      0          0          0
```

SS00013	5048.99	12.14	0	0	0
SS00014	5047.90	11.80	0	0	0
SS00015	5045.06	15.17	0	0	0
SS00016	5044.50	16.08	0	0	0
SS00017	5043.71	17.69	0	0	0
SS00018	5045.00	17.30	0	0	0
SS00019	5072.34	8.55	0	0	0
SS00020	5071.47	9.90	0	0	0
SS00021	5063.69	9.84	0	0	0
SS00022	5057.56	9.93	0	0	0
SS00023	5056.85	9.92	0	0	0
SS00024	5055.62	10.15	0	0	0
SS00025	5054.29	9.99	0	0	0
SS00026	5049.44	13.06	0	0	0
SS00027	5048.28	13.60	0	0	0
SS00028	5047.05	15.59	0	0	0
SS00029	5040.60	22.81	0	0	0
SS00030	5041.71	21.00	0	0	0
SS00031	5042.33	20.25	0	0	0
SS00032	5042.75	19.02	0	0	0
SS00033	5054.81	10.23	0	0	0
SS00034	5054.23	10.11	0	0	0
SS00035	5052.81	10.57	0	0	0
SS00036	5051.06	10.35	0	0	0
SS00037	5049.24	12.78	0	0	0
SS00038	5048.45	13.92	0	0	0
SS00039	5047.66	15.56	0	0	0
SS00040	5047.03	16.53	0	0	0
SS00041	5046.23	17.65	0	0	0
SS00042	5042.97	10.16	0	0	0
SS00043	5040.42	9.88	0	0	0
SS00044	5039.12	9.15	0	0	0
SS00045	5033.75	10.80	0	0	0
SS00046	5030.12	14.69	0	0	0
SS00047	5028.68	13.69	0	0	0
SS00048	5027.41	17.41	0	0	0
SS00049	5025.57	18.39	0	0	0
SS00050	5024.27	17.84	0	0	0
SS00051	5022.93	13.99	0	0	0
SS00052	5021.68	11.35	0	0	0
SS00053	4972.71	14.82	0	0	0
SS00054	4981.28	13.65	0	0	0
SS00055	4993.33	12.71	0	0	0
SS00056	5001.76	12.20	0	0	0
SS00057	5004.61	11.95	0	0	0
SS00058	5006.59	12.10	0	0	0
SS00059	5012.50	11.04	0	0	0
SS00060	5019.60	9.30	0	0	0
SS00061	5023.48	9.92	0	0	0
SS00062	5018.59	13.43	0	0	0
SS00063	5009.84	13.46	0	0	0
SS00064	4997.44	15.97	0	0	0
SS00065	4993.83	12.41	0	0	0
SS00066	5012.54	15.75	0	0	0
SS00067	5009.80	13.73	0	0	0
SS00068	5007.53	13.77	0	0	0
SS00069	5005.28	13.65	0	0	0
SS00070	5014.85	13.52	0	0	0
SS00071	5017.49	13.90	0	0	0
SS00072	5015.77	14.02	0	0	0
SS00073	5013.65	13.87	0	0	0
SS00074	5011.08	13.93	0	0	0
SS00075	5006.92	13.64	0	0	0

SS00076	5004.40	13.92	0	0	0
SS00077	5001.09	13.85	0	0	0
SS00078	4996.89	13.89	0	0	0
SS00079	4994.76	13.61	0	0	0
SS00080	4997.22	13.68	0	0	0
SS00081	4990.76	13.60	0	0	0
SS00082	4988.05	12.45	0	0	0
SS00083	4987.50	11.57	0	0	0
SS00084	4987.51	14.45	0	0	0
SS00085	4985.48	11.25	0	0	0
SS00086	4986.23	11.39	0	0	0
SS00087	4984.29	11.26	0	0	0
SS00088	4983.16	15.23	0	0	0
SS00089	5021.12	11.59	0	0	0
SS00090	5018.45	10.84	0	0	0
SS00091	5012.58	10.72	0	0	0
SS00092	5007.04	10.65	0	0	0
SS00093	5003.55	10.59	0	0	0
SS00094	5001.17	10.53	0	0	0
SS00095	4999.32	10.65	0	0	0
SS00096	5004.23	10.51	0	0	0
SS00097	4995.62	10.60	0	0	0
SS00098	4991.53	10.31	0	0	0
SS00099	4982.20	17.97	0	0	0
SS00100	4980.30	17.71	0	0	0
SS00101	4974.38	14.54	0	0	0
SS00102	4915.09	16.11	0	0	0
SS00103	4916.13	9.89	0	0	0
SS00104	4916.73	7.93	0	0	0
SS00105	4916.93	11.18	0	0	0
SS00106	4917.38	5.30	0	0	0
SS00107	4917.71	14.44	0	0	0
SS00108	4917.89	15.96	0	0	0
SS00109	4918.21	19.99	0	0	0
SS00110	4918.34	19.42	0	0	0
SS00111	4918.61	12.01	0	0	0
SS00112	4992.78	9.26	0	0	0
SS00113	4987.33	13.79	0	0	0
SS00114	4983.29	12.98	0	0	0
SS00115	4978.13	13.44	0	0	0
SS00116	4974.08	13.72	0	0	0
SS00117	4970.16	14.07	0	0	0
SS00118	4967.20	13.61	0	0	0
SS00119	4964.37	13.88	0	0	0
SS00120	4962.38	12.45	0	0	0
SS00121	4959.08	12.45	0	0	0
SS00122	4952.06	13.49	0	0	0
SS00123	4950.29	14.26	0	0	0
SS00124	4950.83	14.08	0	0	0
SS00125	4968.95	13.80	0	0	0
SS00126	4976.60	13.10	0	0	0
SS00127	4978.18	12.46	0	0	0
SS00128	4978.96	12.54	0	0	0
SS00129	4981.61	14.45	0	0	0
SS00130	4982.06	15.03	0	0	0
SS00131	4982.55	15.05	0	0	0
SS00132	4983.98	11.39	0	0	0
SS00133	4978.98	13.57	0	0	0
SS00134	4980.25	13.79	0	0	0
SS00135	4982.91	14.51	0	0	0
SS00136	4986.93	13.86	0	0	0
SS00137	4968.34	13.67	0	0	0
SS00138	4979.35	12.55	0	0	0

SS00139	4976.96	12.57	0	0	0
SS00140	4974.65	12.74	0	0	0
SS00141	4972.37	12.44	0	0	0
SS00142	4970.22	12.52	0	0	0
SS00143	4966.14	12.40	0	0	0
SS00144	4963.98	12.69	0	0	0
SS00145	4955.71	11.74	0	0	0
SS00146	4957.29	12.13	0	0	0
SS00147	4956.05	12.95	0	0	0
SS00148	4955.77	12.50	0	0	0
SS00149	4954.92	12.71	0	0	0
SS00150	4945.72	15.37	0	0	0
SS00151	4946.27	14.87	0	0	0
SS00152	4950.26	11.91	0	0	0
SS00153	4946.82	14.90	0	0	0
SS00154	4948.06	16.43	0	0	0
SS00155	4949.41	15.79	0	0	0
SS00156	4974.68	12.17	0	0	0
SS00157	4972.01	13.80	0	0	0
SS00158	4961.99	12.95	0	0	0
SS00159	4949.30	12.33	0	0	0
SS00160	4950.66	5.82	0	0	0
;4941.63 15.82					
SS00161	4944.99	12.46	0	0	0
SS00162	4944.79	7.01	0	0	0
SS00163	4989.11	9.21	0	0	0
SS00164	4983.94	8.49	0	0	0
SS00165	4979.30	8.35	0	0	0
SS00166	4974.53	8.31	0	0	0
SS00167	4967.54	10.41	0	0	0
SS00168	4961.11	10.62	0	0	0
SS00169	4954.67	10.72	0	0	0
SS00170	4948.24	9.31	0	0	0
SS00171	4948.58	8.76	0	0	0
SS00172	4949.28	8.70	0	0	0
SS00173	4946.56	11.05	0	0	0
SS00174	4952.18	9.60	0	0	0
SS00175	4957.00	13.07	0	0	0
SS00176	4968.51	10.47	0	0	0
SS00177	4970.70	10.06	0	0	0
SS00178	4973.70	9.89	0	0	0
SS00179	4938.96	15.27	0	0	0
SS00180	4937.64	7.00	0	0	0
SS00181	4939.12	8.62	0	0	0
SS00182	4939.71	8.30	0	0	0
SS00183	4941.72	12.07	0	0	0
SS00184	4943.17	9.84	0	0	0
SS00185	5049.88	10.89	0	0	0
SS00186	5047.92	11.79	0	0	0
SS00187	5045.23	11.37	0	0	0
SS00188	5041.91	11.72	0	0	0
SS00189	5039.65	11.97	0	0	0
SS00190	5034.62	11.30	0	0	0
SS00191	5029.98	12.00	0	0	0
SS00192	5031.31	11.92	0	0	0
SS00193	5032.77	11.67	0	0	0
SS00194	5033.93	11.36	0	0	0
SS00195	5035.95	12.32	0	0	0
SS00196	5041.65	11.70	0	0	0
SS00197	5043.18	11.78	0	0	0
SS00198	5039.34	11.70	0	0	0
SS00199	5036.75	11.62	0	0	0
SS00200	5035.36	11.25	0	0	0

SS00201	5037.97	11.57	0	0	0
SS00202	5039.99	11.49	0	0	0
SS00204	5041.32	11.79	0	0	0
SS00205	5042.45	11.93	0	0	0
SS00206	5039.14	11.44	0	0	0
SS00207	5035.96	11.64	0	0	0
SS00208	5033.10	11.91	0	0	0
SS00209	5030.91	11.75	0	0	0
SS00210	5025.51	11.55	0	0	0
SS00211	5023.99	11.27	0	0	0
SS00212	5022.27	15.17	0	0	0
SS00213	5016.67	13.87	0	0	0
SS00214	5027.32	13.02	0	0	0
SS00215	5035.14	13.96	0	0	0
SS00216	5037.92	15.50	0	0	0
SS00217	5035.88	11.12	0	0	0
SS00218	5033.45	11.19	0	0	0
SS00219	5027.09	11.10	0	0	0
SS00220	5028.65	10.69	0	0	0
;5027.15	10.61				
SS00221	5027.15	10.61	0	0	0
SS00222	5017.24	19.52	0	0	0
SS00223	5021.97	9.16	0	0	0
SS00224	5016.93	9.30	0	0	0
SS00225	5016.83	9.33	0	0	0
SS00226	5015.28	11.65	0	0	0
SS00227	5021.23	9.03	0	0	0
SS00228	5019.71	10.78	0	0	0
SS00229	5018.35	12.96	0	0	0
SS00230	5016.25	13.99	0	0	0
SS00231	5013.02	9.44	0	0	0
SS00232	5009.04	9.63	0	0	0
SS00233	5011.21	14.70	0	0	0
SS00234	5013.58	12.39	0	0	0
SS00235	5019.05	9.22	0	0	0
SS00236	5016.21	9.51	0	0	0
SS00237	5013.83	9.87	0	0	0
SS00238	5010.99	10.15	0	0	0
SS00239	5007.70	11.44	0	0	0
SS00240	4961.31	12.42	0	0	0
SS00241	4971.92	15.40	0	0	0
SS00242	4972.43	9.11	0	0	0
SS00243	5041.07	12.59	0	0	0
SS00244	5026.28	13.25	0	0	0
SS00245	5024.21	13.91	0	0	0
SS00246	5020.72	14.15	0	0	0
SS00247	5015.88	12.67	0	0	0
SS00248	5020.55	11.70	0	0	0
SS00249	5022.82	11.44	0	0	0
SS00250	5024.48	10.84	0	0	0
SS00251	5036.51	9.98	0	0	0
SS00252	5014.85	5.39	0	0	0
SS00253	5013.07	9.75	0	0	0
SS00254	5011.50	11.81	0	0	0
SS00255	5017.71	6.95	0	0	0
SS00256	4999.61	10.55	0	0	0
SS00257	5005.52	7.17	0	0	0
SS00258	5008.45	6.93	0	0	0
SS00259	5011.91	8.15	0	0	0
SS00260	5019.76	8.35	0	0	0
SS00261	5029.77	7.96	0	0	0
SS00262	5035.67	10.03	0	0	0
SS00263	5001.50	9.93	0	0	0

SS00264	5003.27	7.85	0	0	0
SS00265	5009.16	6.50	0	0	0
SS00266	4994.66	6.31	0	0	0
SS00267	4993.56	6.76	0	0	0
SS00268	4993.22	7.48	0	0	0
SS00269	4991.91	9.55	0	0	0
SS00270	4989.87	10.93	0	0	0
SS00271	4989.11	10.90	0	0	0
SS00272	4984.05	5.87	0	0	0
SS00273	4979.37	5.25	0	0	0
SS00274	4974.73	7.40	0	0	0
SS00275	4972.87	5.83	0	0	0
SS00276	4980.33	6.39	0	0	0
SS00277	4983.56	5.57	0	0	0
SS00278	4986.58	6.67	0	0	0
SS00279	4992.32	6.93	0	0	0
SS00280	4996.40	7.33	0	0	0
SS00281	4997.66	7.89	0	0	0
SS00282	5076.86	12.60	0	0	0
SS00283	4951.43	12.43	0	0	0
SS00284	4963.36	13.11	0	0	0
SS00285	4914.35	9.65	0	0	0
SS00286	5040.27	13.15	0	0	0
SS00287	5039.19	12.30	0	0	0
SS00288	5038.08	7.74	0	0	0
SS00289	5036.57	10.60	0	0	0
SS00290	5036.13	13.26	0	0	0
SS00291	5030.11	15.60	0	0	0
SS00292	4955.42	9.81	0	0	0
SS00293	4951.31	8.69	0	0	0
SS00294	4943.42	11.16	0	0	0
SS00295	4942.19	9.21	0	0	0
SS00296	4935.17	6.18	0	0	0
SS00297	4932.78	7.06	0	0	0
SS00298	4930.05	6.71	0	0	0
SS00299	4927.02	5.78	0	0	0
SS00300	4923.74	5.54	0	0	0
SS00301	4923.10	6.27	0	0	0
SS00302	4922.38	10.90	0	0	0
SS00303	4967.65	4.36	0	0	0
SS00304	4953.25	10.43	0	0	0
SS00305	4947.11	9.61	0	0	0
SS00306	4943.16	9.56	0	0	0
SS00307	4939.16	6.60	0	0	0
SS00308	4934.82	6.36	0	0	0
SS00309	4932.44	7.54	0	0	0
SS00310	4930.62	7.57	0	0	0
SS00311	4922.16	14.49	0	0	0
SS00312	4921.62	10.49	0	0	0
SS00313	4921.18	9.03	0	0	0
SS00314	4920.82	9.01	0	0	0
SS00315	4919.52	11.77	0	0	0
SSC00001	5018.51	6.85	0	0	0
SSC00002	5011.26	4.86	0	0	0
SSC00003	5004.62	5.82	0	0	0
SSC00004	5017.70	12.16	0	0	0
SSC00005	5026.83	19.17	0	0	0
SSC00006	5013.35	11.65	0	0	0
SSC00007	5045.31	12.69	0	0	0
SS00203E	5043.32	11.46	0	0	0
SS00203N	5043.42	11.36	0	0	0
SS00316	5032.01	11.99	0	0	0
SS00317	4956.74	11.26	0	0	0

```
LS00001          5005.05    11.87      0          0          0

[OUTFALLS]
;;Name           Elevation  Type       Stage Data       Gated    Route To
;;-------------- ---------- ---------- ---------------- -------- ----------------
WWTF00001        4914.25    FREE                        NO

[CONDUITS]
;;Name           From Node        To Node          Length     Roughness  InOffset
OutOffset  InitFlow   MaxFlow
;;-------------- ---------------- ---------------- ---------- ---------- ----------
---------- ---------- ----------
SS00001-SS00002  SS00001          SS00002          155.0      0.010      0
0.00       0          0
SS00002-SS00003  SS00002          SS00003          169.3      0.010      0.02
0.06       0          0
SS00003-SS00004  SS00003          SS00004          134.5      0.010      0
0.28       0          0
SS00004-SS00005  SS00004          SS00005          186.1      0.010      0
0.13       0          0
SS00005-SS00006  SS00005          SS00006          399.3      0.010      0
0.19       0          0
SS00006-SS00007  SS00006          SS00007          121.0      0.010      0
0.17       0          0
SS00007-SS00008  SS00007          SS00008          118.9      0.010      0
0.14       0          0
SS00008-SS00009  SS00008          SS00009          143.5      0.010      0
0.06       0          0
SS00009-SS00012  SS00009          SS00012          154.7      0.010      0
0.26       0          0
SS00010-SS00009  SS00010          SS00009          245.1      0.010      0
0.28       0          0
SS00011-SS00010  SS00011          SS00010          236.6      0.010      0
0.32       0          0
SS00012-SS00013  SS00012          SS00013          125.7      0.010      0
0.26       0          0
SS00013-SS00014  SS00013          SS00014          197.7      0.010      0
0.19       0          0
SS00014-SS00015  SS00014          SS00015          129.0      0.010      0
0.18       0          0
SS00015-SS00016  SS00015          SS00016          104.1      0.010      0
0.23       0          0
SS00016-SS00017  SS00016          SS00017          168.6      0.010      0
0.19       0          0
SS00017-SS00032  SS00017          SS00032          141.6      0.010      0
0.27       0          0
SS00018-SS00017  SS00018          SS00017          210.4      0.010      0
0.14       0          0
SS00019-SS00020  SS00019          SS00020          109.4      0.010      0
0.21       0          0
SS00020-SS00021  SS00020          SS00021          224.8      0.010      0
0.10       0          0
SS00021-SS00022  SS00021          SS00022          261.0      0.010      0
0.29       0          0
SS00022-SS00023  SS00022          SS00023          142.9      0.010      0
0.19       0          0
SS00023-SS00024  SS00023          SS00024          205.9      0.010      0
0.41       0          0
SS00024-SS00025  SS00024          SS00025          297.6      0.010      0
0.33       0          0
SS00025-SS00026  SS00025          SS00026          296.3      0.010      0
2.20       0          0
SS00026-SS00027  SS00026          SS00027          230.4      0.010      0
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0.22	0	0				
SS00027-SS00028	SS00027		SS00028	225.3	0.010	0
0.15	0	0				
SS00028-SS00029	SS00028		SS00029	186.3	0.010	0
0.37	0	0				
SS00029-SS00286	SS00029		SS00286	223.0	0.010	0
0.06	0	0				
SS00030-SS00029	SS00030		SS00029	223.0	0.010	0
0.27	0	0				
SS00031-SS00030	SS00031		SS00030	91.9	0.010	0
0.26	0	0				
SS00032-SS00031	SS00032		SS00031	94.3	0.010	0
0.13	0	0				
SS00033-SS00034	SS00033		SS00034	107.3	0.010	0
0.32	0	0				
SS00034-SS00035	SS00034		SS00035	229.9	0.010	0
0.41	0	0				
SS00035-SS00036	SS00035		SS00036	397.8	0.010	0
0.22	0	0				
SS00036-SS00037	SS00036		SS00037	399.3	0.010	0
0.27	0	0				
SS00037-SS00038	SS00037		SS00038	97.4	0.010	0
0.27	0	0				
SS00038-SS00039	SS00038		SS00039	129.4	0.010	0
0.30	0	0				
SS00039-SS00040	SS00039		SS00040	102.9	0.010	0
0.20	0	0				
SS00040-SS00041	SS00040		SS00041	103.3	0.010	0
0.46	0	0				
SS00041-SS00029	SS00041		SS00029	165.4	0.010	0
0.39	0	0				
SS00042-SS00043	SS00042		SS00043	173.5	0.010	0
0.28	0	0				
SS00043-SS00044	SS00043		SS00044	246.5	0.010	0
0.18	0	0				
SS00044-SS00045	SS00044		SS00045	298.1	0.010	0
0.42	0	0				
SS00045-SS00316	SS00045		SS00316	278.02	0.010	0
0	0	0				
SS00046-SS00049	SS00046		SS00049	339.1	0.010	0
0.37	0	0				
SS00047-SS00048	SS00047		SS00048	242.8	0.010	0
0.06	0	0				
SS00048-SS00049	SS00048		SS00049	297.0	0.010	0
0.45	0	0				
SS00049-SS00050	SS00049		SS00050	230.6	0.010	0
0.21	0	0				
SS00050-SS00051	SS00050		SS00051	229.6	0.010	0
0.00	0	0				
SS00051-SS00052	SS00051		SS00052	181.4	0.010	0
0.21	0	0				
SS00052-SS00060	SS00052		SS00060	181.8	0.010	0
0.12	0	0				
SS00053-SS00242	SS00053		SS00242	185.3	0.010	0
0.11	0	0				
SS00054-SS00053	SS00054		SS00053	198.2	0.010	0
1.44	0	0				
SS00055-SS00054	SS00055		SS00054	224.2	0.010	0
0.22	0	0				
SS00056-SS00055	SS00056		SS00055	220.8	0.010	0
0.03	0	0				
SS00057-SS00056	SS00057		SS00056	307.9	0.010	0
0.16	0	0				

SS00058-SS00057	SS00058	SS00057	253.8	0.010	0	
0.27	0	0				
SS00059-SS00058	SS00059	SS00058	253.8	0.010	0	
0.25	0	0				
SS00060-SS00059	SS00060	SS00059	257.1	0.010	0	
0.19	0	0				
SS00061-SS00062	SS00061	SS00062	270.1	0.010	0	
0.34	0	0				
SS00062-SS00063	SS00062	SS00063	408.1	0.010	0	
0.31	0	0				
SS00063-SS00064	SS00063	SS00064	390.7	0.010	0	
0.32	0	0				
SS00064-SS00065	SS00064	SS00065	355.9	0.010	0	
0.20	0	0				
SS00065-SS00112	SS00065	SS00112	119.7	0.010	0	
0.26	0	0				
SS00066-SS00067	SS00066	SS00067	235.4	0.010	0	
0.26	0	0				
SS00067-SS00068	SS00067	SS00068	281.9	0.010	0	
0.23	0	0				
SS00068-SS00069	SS00068	SS00069	281.2	0.010	0	
0.13	0	0				
SS00069-SS00076	SS00069	SS00076	76.8	0.010	0	
0.07	0	0				
SS00070-SS00073	SS00070	SS00073	124.9	0.010	0	
0.14	0	0				
SS00071-SS00072	SS00071	SS00072	218.9	0.010	0	
0.23	0	0				
SS00072-SS00073	SS00072	SS00073	240.7	0.010	0	
0.17	0	0				
SS00073-SS00074	SS00073	SS00074	161.3	0.010	0	
0.21	0	0				
SS00074-SS00075	SS00074	SS00075	284.1	0.010	0	
0.00	0	0				
SS00075-SS00076	SS00075	SS00076	124.7	0.010	0	
0.27	0	0				
SS00076-SS00077	SS00076	SS00077	209.1	0.010	0	
0.00	0	0				
SS00077-SS00078	SS00077	SS00078	228.5	0.010	0	
0.30	0	0				
SS00078-SS00079	SS00078	SS00079	125.0	0.010	0	
0.16	0	0				
SS00079-SS00081	SS00079	SS00081	218.1	0.010	0	
0.31	0	0				
SS00080-SS00079	SS00080	SS00079	297.2	0.010	0	
0.13	0	0				
SS00081-SS00082	SS00081	SS00082	216.3	0.010	0	
0.28	0	0				
SS00082-SS00083	SS00082	SS00083	105.6	0.010	0	
0.02	0	0				
SS00083-SS00086	SS00083	SS00086	174.4	0.010	0	
0.29	0	0				
SS00084-SS00085	SS00084	SS00085	263.6	0.010	0	
0.15	0	0				
SS00085-SS00087	SS00085	SS00087	212.8	0.010	0	
0.22	0	0				
SS00086-SS00085	SS00086	SS00085	98.6	0.010	0	
0.12	0	0				
SS00087-SS00088	SS00087	SS00088	211.5	0.010	0	
0.14	0	0				
SS00088-SS00099	SS00088	SS00099	126.2	0.010	0	
0.38	0	0				
SS00089-SS00090	SS00089	SS00090	106.8	0.010	0	

0.10	0	0				
SS00090-SS00091	SS00090	SS00091	175.0	0.010	0	
0.11	0	0				
SS00091-SS00092	SS00091	SS00092	176.1	0.010	0	
0.04	0	0				
SS00092-SS00093	SS00092	SS00093	312.6	0.010	0	
0.42	0	0				
SS00093-SS00094	SS00093	SS00094	245.9	0.010	0	
0.34	0	0				
SS00094-SS00095	SS00094	SS00095	201.0	0.010	0	
0.20	0	0				
SS00095-SS00097	SS00095	SS00097	233.8	0.010	0	
0.37	0	0				
SS00096-SS00095	SS00096	SS00095	362.2	0.010	0	
0.10	0	0				
SS00097-SS00098	SS00097	SS00098	237.1	0.010	0	
0.12	0	0				
SS00098-SS00099	SS00098	SS00099	213.0	0.010	0	
0.22	0	0				
SS00099-SS00100	SS00099	SS00100	82.8	0.010	0	
0.21	0	0				
SS00100-SS00101	SS00100	SS00101	254.0	0.010	0	
0.29	0	0				
SS00101-SS00053	SS00101	SS00053	310.9	0.010	0	
0.61	0	0				
SS00102-SS00285	SS00102	SS00285	768.4	0.010	0	
0.20	0	0				
SS00103-SS00102	SS00103	SS00102	528.9	0.010	0	
0.39	0	0				
SS00104-SS00103	SS00104	SS00103	172.6	0.010	0	
0.34	0	0				
SS00105-SS00104	SS00105	SS00104	201.1	0.010	0	
0.04	0	0				
SS00106-SS00105	SS00106	SS00105	133.1	0.010	0	
0.19	0	0				
SS00107-SS00106	SS00107	SS00106	242.2	0.010	0.04	
0.10	0	0				
SS00108-SS00107	SS00108	SS00107	241.6	0.010	0	
0.00	0	0				
SS00109-SS00108	SS00109	SS00108	234.0	0.010	0	
0.21	0	0				
SS00110-SS00109	SS00110	SS00109	16.8	0.010	0	
0.10	0	0				
SS00111-SS00110	SS00111	SS00110	421.7	0.010	0	
0.00	0	0				
SS00112-SS00113	SS00112	SS00113	22.5	0.010	0	
4.62	0	0				
SS00113-SS00114	SS00113	SS00114	259.0	0.010	0	
0.00	0	0				
SS00114-SS00115	SS00114	SS00115	255.4	0.010	0	
0.17	0	0				
SS00115-SS00116	SS00115	SS00116	190.8	0.010	0	
0.20	0	0				
SS00116-SS00117	SS00116	SS00117	195.6	0.010	0	
0.22	0	0				
SS00117-SS00118	SS00117	SS00118	173.0	0.010	0	
0.12	0	0				
SS00118-SS00119	SS00118	SS00119	91.5	0.010	0	
0.14	0	0				
SS00119-SS00120	SS00119	SS00120	80.7	0.010	0	
0.17	0	0				
SS00120-SS00121	SS00120	SS00121	65.1	0.010	0	
0.00	0	0				

SS00121-SS00122	SS00121	SS00122	148.9	0.010	0	
0.16	0	0				
SS00122-SS00123	SS00122	SS00123	333.5	0.010	0	
0.29	0	0				
SS00123-SS00183	SS00123	SS00183	213.5	0.010	0	
0.12	0	0				
SS00124-SS00123	SS00124	SS00123	41.2	0.010	0	
0.29	0	0				
SS00125-SS00284	SS00125	SS00284	108.9	0.010	0	
0.25	0	0				
SS00126-SS00125	SS00126	SS00125	200.9	0.010	0	
0.07	0	0				
SS00127-SS00126	SS00127	SS00126	93.7	0.010	0	
0.06	0	0				
SS00128-SS00127	SS00128	SS00127	36.4	0.010	0	
0.23	0	0				
SS00129-SS00128	SS00129	SS00128	188.0	0.010	0	
0.23	0	0				
SS00130-SS00129	SS00130	SS00129	46.0	0.010	0	
0.09	0	0				
SS00131-SS00130	SS00131	SS00130	42.7	0.010	0	
0.14	0	0				
SS00132-SS00131	SS00132	SS00131	202.8	0.010	0	
0.10	0	0				
SS00133-SS00126	SS00133	SS00126	192.8	0.010	0	
0.25	0	0				
SS00134-SS00133	SS00134	SS00133	111.6	0.010	0	
0.08	0	0				
SS00135-SS00134	SS00135	SS00134	258.3	0.010	0	
0.24	0	0				
SS00136-SS00135	SS00136	SS00135	377.6	0.010	0	
0.19	0	0				
SS00137-SS00284	SS00137	SS00284	233.6	0.010	0	
0.16	0	0				
SS00138-SS00139	SS00138	SS00139	121.3	0.010	0	
0.20	0	0				
SS00139-SS00140	SS00139	SS00140	106.7	0.010	0	
0.22	0	0				
SS00140-SS00141	SS00140	SS00141	121.0	0.010	0	
0.32	0	0				
SS00141-SS00142	SS00141	SS00142	100.7	0.010	0	
0.20	0	0				
SS00142-SS00143	SS00142	SS00143	207.6	0.010	0	
0.27	0	0				
SS00143-SS00144	SS00143	SS00144	114.9	0.010	0	
0.33	0	0				
SS00144-SS00120	SS00144	SS00120	102.8	0.010	0	
0.06	0	0				
SS00145-SS00152	SS00145	SS00152	210.9	0.010	0	
0.14	0	0				
SS00146-SS00147	SS00146	SS00147	195.3	0.010	0	
0.23	0	0				
SS00147-SS00148	SS00147	SS00148	42.2	0.010	0	
0.13	0	0				
SS00148-SS00149	SS00148	SS00149	74.4	0.010	0	
0.11	0	0				
SS00149-SS00150	SS00149	SS00150	335.2	0.010	0	
3.54	0	0				
SS00150-SS00161	SS00150	SS00161	138.4	0.010	0	
0.11	0	0				
SS00151-SS00150	SS00151	SS00150	58.9	0.010	0	
0.36	0	0				
SS00152-SS00151	SS00152	SS00151	82.9	0.010	0	

1.19	0	0				
SS00153-SS00151	SS00153		SS00151	58.3	0.010	0
0.14	0	0				
SS00154-SS00153	SS00154		SS00153	264.8	0.010	0
0.22	0	0				
SS00155-SS00154	SS00155		SS00154	124.0	0.010	0
0.07	0	0				
SS00156-SS00157	SS00156		SS00157	97.0	0.010	0
0.14	0	0				
SS00157-SS00158	SS00157		SS00158	348.8	0.010	0
0.36	0	0				
SS00158-SS00154	SS00158		SS00154	344.4	0.010	0
3.57	0	0				
SS00159-SS00154	SS00159		SS00154	240.2	0.010	0
0.16	0	0				
SS00160-SS00159	SS00160		SS00159	270.7	0.010	0
0.00	0	0				
SS00161-SS00162	SS00161		SS00162	38.5	0.010	0
0.16	0	0				
SS00162-SS00184	SS00162		SS00184	400.2	0.010	0
0.23	0	0				
SS00163-SS00164	SS00163		SS00164	378.3	0.010	0
0.10	0	0				
SS00164-SS00165	SS00164		SS00165	399.7	0.010	0
0.00	0	0				
SS00165-SS00166	SS00165		SS00166	399.0	0.010	0.08
0.00	0	0				
SS00166-SS00167	SS00166		SS00167	399.5	0.010	0.1
0.17	0	0				
SS00167-SS00168	SS00167		SS00168	400.9	0.010	0
0.07	0	0				
SS00168-SS00169	SS00168		SS00169	385.0	0.010	0
0.22	0	0				
SS00169-SS00170	SS00169		SS00170	342.1	0.010	0
0.14	0	0				
SS00170-SS00173	SS00170		SS00173	64.3	0.010	0
0.22	0	0				
SS00171-SS00170	SS00171		SS00170	27.9	0.010	0.07
0.14	0	0				
SS00172-SS00171	SS00172		SS00171	63.3	0.010	0
0.00	0	0				
SS00173-SS00179	SS00173		SS00179	179.7	0.010	0
1.08	0	0				
SS00174-SS00172	SS00174		SS00172	401.4	0.010	0.09
0.06	0	0				
SS00175-SS00174	SS00175		SS00174	399.3	0.010	0.08
0.00	0	0				
SS00176-SS00175	SS00176		SS00175	382.7	0.010	0
0.00	0	0				
SS00177-SS00176	SS00177		SS00176	95.8	0.010	0
0.17	0	0				
SS00178-SS00176	SS00178		SS00176	221.2	0.010	0
0.21	0	0				
SS00179-SS00180	SS00179		SS00180	123.5	0.010	0
0.05	0	0				
SS00180-SS00296	SS00180		SS00296	479.7	0.010	0
0.41	0	0				
SS00181-SS00179	SS00181		SS00179	265.7	0.010	0
0.04	0	0				
SS00182-SS00181	SS00182		SS00181	376.0	0.010	0
0.07	0	0				
SS00183-SS00182	SS00183		SS00182	116.2	0.010	0
1.26	0	0				

SS00184-SS00183	SS00184	SS00183	326.9	0.010	0
0.10	0	0			
SS00185-SS00186	SS00185	SS00186	276.6	0.010	0
0.48	0	0			
SS00186-SS00187	SS00186	SS00187	369.7	0.010	0
0.06	0	0			
SS00187-SS00188	SS00187	SS00188	381.2	0.010	0
0.23	0	0			
SS00188-SS00189	SS00188	SS00189	140.9	0.010	0
0.17	0	0			
SS00189-SS00190	SS00189	SS00190	261.6	0.010	0
0.19	0	0			
SS00190-SS00191	SS00190	SS00191	259.2	0.010	0
0.35	0	0			
SS00191-SS00214	SS00191	SS00214	285.4	0.010	0
0.38	0	0			
SS00192-SS00191	SS00192	SS00191	172.4	0.010	0
0.25	0	0			
SS00193-SS00192	SS00193	SS00192	140.9	0.010	0
0.27	0	0			
SS00194-SS00193	SS00194	SS00193	120.5	0.010	0
0.10	0	0			
SS00195-SS00194	SS00195	SS00194	302.3	0.010	0
0.07	0	0			
SS00196-SS00195	SS00196	SS00195	323.0	0.010	0
0.09	0	0			
SS00197-SS00198	SS00197	SS00198	195.3	0.010	0
0.10	0	0			
SS00198-SS00199	SS00198	SS00199	247.0	0.010	0
0.13	0	0			
SS00199-SS00200	SS00199	SS00200	178.0	0.010	0
0.05	0	0			
SS00200-SS00194	SS00200	SS00194	260.8	0.010	0
0.12	0	0			
SS00201-SS00200	SS00201	SS00200	268.6	0.010	0
0.20	0	0			
SS00202-SS00201	SS00202	SS00201	270.1	0.010	0
0.27	0	0			
SS00203E-SS00202	SS00203E	SS00202	423.8	0.010	0
0.20	0	0			
SS00203N-SS00204	SS00203N	SS00204	270.0	0.010	0
0.32	0	0			
SS00204-SS00198	SS00204	SS00198	270.6	0.010	0
0.06	0	0			
SS00205-SS00204	SS00205	SS00204	154.8	0.010	0
0.19	0	0			
SS00206-SS00207	SS00206	SS00207	305.0	0.010	0
0.07	0	0			
SS00207-SS00208	SS00207	SS00208	255.7	0.010	0
0.33	0	0			
SS00208-SS00209	SS00208	SS00209	262.4	0.010	0
0.24	0	0			
SS00209-SS00210	SS00209	SS00210	269.0	0.010	0
0.25	0	0			
SS00210-SS00211	SS00210	SS00211	271.6	0.010	0
0.27	0	0			
SS00211-SS00212	SS00211	SS00212	325.4	0.010	0
0.21	0	0			
SS00212-SS00222	SS00212	SS00222	323.5	0.010	0
0.57	0	0			
SS00213-SS00247	SS00213	SS00247	196.3	0.010	0
0.30	0	0			
SS00214-SS00222	SS00214	SS00222	268.5	0.010	0

0.21	0	0				
SS00215-SS00214	SS00215		SS00214	386.2	0.010	0
0.09	0	0				
SS00216-SS00215	SS00216		SS00215	249.2	0.010	0
0.02	0	0				
SS00217-SS00218	SS00217		SS00218	308.0	0.010	0
0.19	0	0				
SS00218-SS00209	SS00218		SS00209	254.8	0.010	0
0.26	0	0				
SS00219-SS00210	SS00219		SS00210	255.4	0.010	0
0.35	0	0				
SS00220-SS00219	SS00220		SS00219	306.2	0.010	0
0.17	0	0				
SS00221-SS00210	SS00221		SS00210	133.0	0.010	0
0.2	0	0				
SS00222-SS00213	SS00222		SS00213	203.7	0.010	0
0.18	0	0				
SS00223-SS00224	SS00223		SS00224	369.2	0.010	0
0.00	0	0				
SS00224-SS00225	SS00224		SS00225	12.3	0.010	0.04
0.06	0	0				
SS00225-SS00226	SS00225		SS00226	244.2	0.010	0
0.17	0	0				
SS00226-SS00234	SS00226		SS00234	285.3	0.010	0
0.29	0	0				
SS00227-SS00226	SS00227		SS00226	401.4	0.010	0
0.23	0	0				
SS00228-SS00229	SS00228		SS00229	126.1	0.010	0
0.37	0	0				
SS00229-SS00230	SS00229		SS00230	399.2	0.010	0
0.16	0	0				
SS00230-SS00231	SS00230		SS00231	299.9	0.010	0
0.00	0	0				
SS00231-SS00232	SS00231		SS00232	351.2	0.010	0
0.21	0	0				
SS00232-LS00001	SS00232		LS00001	40.6	0.010	0
0	0	0				
SS00233-SS00232	SS00233		SS00232	294.3	0.010	0
0.04	0	0				
SS00234-SS00233	SS00234		SS00233	399.6	0.010	0
0.13	0	0				
SS00235-SS00236	SS00235		SS00236	293.4	0.010	0
0.30	0	0				
SS00236-SS00237	SS00236		SS00237	295.4	0.010	0
0.40	0	0				
SS00237-SS00238	SS00237		SS00238	398.3	0.010	0
0.34	0	0				
SS00238-SS00239	SS00238		SS00239	242.1	0.010	0
0.40	0	0				
SS00239-LS00001	SS00239		LS00001	323.7	0.010	0
0	0	0				
SS00240-SS00292	SS00240		SS00292	230.2	0.010	0
0.21	0	0				
SS00241-SS00240	SS00241		SS00240	86.5	0.010	0.07
7.99	0	0				
SS00242-SS00241	SS00242		SS00241	232.6	0.010	0
0.00	0	0				
SS00243-SS00244	SS00243		SS00244	304.3	0.010	0
0.17	0	0				
SS00244-SS00245	SS00244		SS00245	292.4	0.010	0
0.14	0	0				
SS00245-SS00246	SS00245		SS00246	408.3	0.010	0
0.26	0	0				

SS00246-SS00213	SS00246	SS00213	426.8	0.010	0	
0.12	0	0				
SS00247-SS00252	SS00247	SS00252	390.1	0.010	0	
0.21	0	0				
SS00248-SS00247	SS00248	SS00247	400.1	0.010	0	
0.57	0	0				
SS00249-SS00248	SS00249	SS00248	386.3	0.010	0	
0.30	0	0				
SS00250-SS00249	SS00250	SS00249	384.6	0.010	0	
0.14	0	0				
SS00251-SS00250	SS00251	SS00250	281.2	0.010	0	
0.01	0	0				
SS00252-SS00253	SS00252	SS00253	386.3	0.010	0	
0.34	0	0				
SS00253-SS00254	SS00253	SS00254	350.4	0.010	0	
0.57	0	0				
SS00254-SS00256	SS00254	SS00256	381.7	0.010	0	
0.63	0	0				
SS00255-SS00254	SS00255	SS00254	399.0	0.010	0	
4.02	0	0				
SS00256-SS00270	SS00256	SS00270	378.8	0.010	0	
0.18	0	0				
SS00257-SS00256	SS00257	SS00256	416.8	0.010	0	
2.52	0	0				
SS00258-SS00257	SS00258	SS00257	378.8	0.010	0	
0.40	0	0				
SS00259-SS00258	SS00259	SS00258	180.5	0.015	0	
0.52	0	0				
SS00260-SS00259	SS00260	SS00259	300.0	0.015	0	
0.26	0	0				
SS00261-SS00260	SS00261	SS00260	300.3	0.015	0	
0.18	0	0				
SS00262-SS00261	SS00262	SS00261	258.8	0.015	0	
0.12	0	0				
SS00263-SS00256	SS00263	SS00256	349.0	0.015	0.00	
0.65	0	0				
SS00264-SS00263	SS00264	SS00263	400.2	0.015	0	
0.25	0	0				
SS00265-SS00264	SS00265	SS00264	210.1	0.015	0	
0.16	0	0				
SS00266-SS00267	SS00266	SS00267	273.9	0.015	0	
0.00	0	0				
SS00267-SS00268	SS00267	SS00268	109.9	0.010	0	
0.15	0	0				
SS00268-SS00269	SS00268	SS00269	287.0	0.010	0	
0.22	0	0				
SS00269-SS00270	SS00269	SS00270	345.3	0.010	0	
0.20	0	0				
SS00270-SS00271	SS00270	SS00271	42.5	0.010	0	
0.24	0	0				
SS00271-SS00277	SS00271	SS00277	330.0	0.010	0	
0.02	0	0				
SS00272-SS00273	SS00272	SS00273	275.1	0.015	0	
0.00	0	0				
SS00273-SS00274	SS00273	SS00274	382.5	0.015	0.29	
2.55	0	0				
SS00274-SS00275	SS00274	SS00275	136.1	0.010	0	
0.33	0	0				
SS00275-SS00303	SS00275	SS00303	342.0	0.010	0	
0.46	0	0				
SS00276-SS00274	SS00276	SS00274	247.3	0.010	0.00	
0.25	0	0				
SS00277-SS00276	SS00277	SS00276	129.1	0.010	0	

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0.27       0          0
SS00278-SS00277  SS00278          SS00277          409.1      0.010      0
0.15       0          0
SS00279-SS00278  SS00279          SS00278          357.8      0.015      0.02
0.27       0          0
SS00280-SS00279  SS00280          SS00279          175.2      0.015      0.04
0.00       0          0
SS00281-SS00280  SS00281          SS00280          317.8      0.015      0
0.00       0          0
SS00282-SS00001  SS00282          SS00001          211.6      0.010      0
0.06       0          0
SS00283-SS00123  SS00283          SS00123          138.2      0.010      0
0.20       0          0
SS00284-SS00124  SS00284          SS00124          260.2      0.010      0
0.29       0          0
SS00285-WWTF00001 SS00285          WWTF00001        99.7       0.010      0
0.00       0          0
SS00286-SS00287  SS00286          SS00287          258.8      0.010      0
0.14       0          0
SS00287-SS00288  SS00287          SS00288          381.9      0.010      0
0.22       0          0
SS00288-SS00289  SS00288          SS00289          391.2      0.010      0
0.22       0          0
SS00289-SS00290  SS00289          SS00290          97.7       0.010      0
0.01       0          0
SS00290-SS00291  SS00290          SS00291          399.1      0.010      0
0.08       0          0
SS00291-SS00047  SS00291          SS00047          229.3      0.010      0
0.11       0          0
SS00292-SS00293  SS00292          SS00293          343.7      0.010      0
0.15       0          0
SS00293-SS00294  SS00293          SS00294          348.9      0.010      0
0.04       0          0
SS00294-SS00295  SS00294          SS00295          383.9      0.010      0
0.06       0          0
SS00295-SS00182  SS00295          SS00182          388.3      0.010      0
0.37       0          0
SS00296-SS00297  SS00296          SS00297          148.7      0.010      0
0.13       0          0
SS00297-SS00298  SS00297          SS00298          225.3      0.010      0
0.08       0          0
SS00298-SS00299  SS00298          SS00299          418.3      0.010      0
0.33       0          0
SS00299-SS00300  SS00299          SS00300          418.2      0.010      0
0.01       0          0
SS00300-SS00301  SS00300          SS00301          219.8      0.010      0
0.26       0          0
SS00301-SS00302  SS00301          SS00302          368.5      0.010      0
0.22       0          0
SS00302-SS00311  SS00302          SS00311          212.2      0.010      0
0.13       0          0
SS00303-SS00317  SS00303          SS00317          260.69     0.010      0
5.71       0          0
SS00304-SS00305  SS00304          SS00305          246.2      0.010      0
0.09       0          0
SS00305-SS00306  SS00305          SS00306          371.2      0.010      0
0.19       0          0
SS00306-SS00307  SS00306          SS00307          403.7      0.010      0
0.01       0          0
SS00307-SS00308  SS00307          SS00308          408.4      0.010      0
0.09       0          0
SS00308-SS00309  SS00308          SS00309          211.3      0.010      0
0.40       0          0
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SS00309-SS00310  SS00309          SS00310          179.8      0.010      0
0.11       0          0
SS00310-SS00311  SS00310          SS00311          376.6      0.010      0
0.22       0          0
SS00311-SS00312  SS00311          SS00312          220.2      0.010      0
0.13       0          0
SS00312-SS00313  SS00312          SS00313          399.7      0.01       0
0.07       0          0
SS00313-SS00314  SS00313          SS00314          348.9      0.01       0
0.00       0          0
SS00314-SS00315  SS00314          SS00315          402.6      0.01       0
0.55       0          0
SS00315-SS00111  SS00315          SS00111          689.3      0.01       0
0.11       0          0
SSC00001-SS00255 SSC00001         SS00255          222.0      0.01       0
0.16       0          0
SSC00002-SS00265 SSC00002         SS00265          315.4      0.015      0
0.05       0          0
SSC00003-SS00264 SSC00003         SS00264          289.6      0.015      0
0.08       0          0
SSC00004-SS00225 SSC00004         SS00225          172.5      0.01       0
0.02       0          0
SSC00005-SS00244 SSC00005         SS00244          178.9      0.01       0
0.19       0          0
SSC00006-SS00231 SSC00006         SS00231          51.2       0.01       0
0.23       0          0
SSC00007-SS00015 SSC00007         SS00015          130.5      0.01       0
0.05       0          0
SS00203N-SSS00203E SS00203N         SS00203E         1          0.010      0.1
 0          0          0
SS00316-SS00046  SS00316          SS00046          284.94     0.01       0
0.11       0          0
SS00317-SS00304  SS00317          SS00304          149.03     0.01       0
0.36       0          0
Future_8inch_Pipe LS00001          SS00163          1705.75    0.016      0
0          0          0

[XSECTIONS]
;;Link           Shape        Geom1            Geom2      Geom3      Geom4
Barrels    Culvert
;;-------------- ------------ ---------------- ---------- ---------- ----------
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SS00001-SS00002  CIRCULAR     1.000            0          0          0          1

SS00002-SS00003  CIRCULAR     1.000            0          0          0          1

SS00003-SS00004  CIRCULAR     1.000            0          0          0          1

SS00004-SS00005  CIRCULAR     1.000            0          0          0          1

SS00005-SS00006  CIRCULAR     1.000            0          0          0          1

SS00006-SS00007  CIRCULAR     1.000            0          0          0          1

SS00007-SS00008  CIRCULAR     1.000            0          0          0          1

SS00008-SS00009  CIRCULAR     1.000            0          0          0          1

SS00009-SS00012  CIRCULAR     1.000            0          0          0          1

SS00010-SS00009  CIRCULAR     1.000            0          0          0          1

SS00011-SS00010  CIRCULAR     1.000            0          0          0          1
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SS00012-SS00013	CIRCULAR	1.000	0	0	0	1
SS00013-SS00014	CIRCULAR	1.000	0	0	0	1
SS00014-SS00015	CIRCULAR	1.000	0	0	0	1
SS00015-SS00016	CIRCULAR	1.000	0	0	0	1
SS00016-SS00017	CIRCULAR	1.000	0	0	0	1
SS00017-SS00032	CIRCULAR	1.000	0	0	0	1
SS00018-SS00017	CIRCULAR	0.667	0	0	0	1
SS00019-SS00020	CIRCULAR	0.667	0	0	0	1
SS00020-SS00021	CIRCULAR	0.667	0	0	0	1
SS00021-SS00022	CIRCULAR	0.667	0	0	0	1
SS00022-SS00023	CIRCULAR	0.667	0	0	0	1
SS00023-SS00024	CIRCULAR	0.667	0	0	0	1
SS00024-SS00025	CIRCULAR	0.833	0	0	0	1
SS00025-SS00026	CIRCULAR	0.833	0	0	0	1
SS00026-SS00027	CIRCULAR	0.833	0	0	0	1
SS00027-SS00028	CIRCULAR	0.833	0	0	0	1
SS00028-SS00029	CIRCULAR	0.833	0	0	0	1
SS00029-SS00286	CIRCULAR	1.000	0	0	0	1
SS00030-SS00029	CIRCULAR	1.000	0	0	0	1
SS00031-SS00030	CIRCULAR	1.000	0	0	0	1
SS00032-SS00031	CIRCULAR	1.000	0	0	0	1
SS00033-SS00034	CIRCULAR	0.833	0	0	0	1
SS00034-SS00035	CIRCULAR	0.833	0	0	0	1
SS00035-SS00036	CIRCULAR	0.833	0	0	0	1
SS00036-SS00037	CIRCULAR	0.833	0	0	0	1
SS00037-SS00038	CIRCULAR	0.833	0	0	0	1
SS00038-SS00039	CIRCULAR	0.833	0	0	0	1
SS00039-SS00040	CIRCULAR	0.833	0	0	0	1
SS00040-SS00041	CIRCULAR	0.833	0	0	0	1
SS00041-SS00029	CIRCULAR	0.833	0	0	0	1
SS00042-SS00043	CIRCULAR	0.667	0	0	0	1

SS00043-SS00044	CIRCULAR	0.667	0	0	0	1
SS00044-SS00045	CIRCULAR	0.667	0	0	0	1
SS00045-SS00316	CIRCULAR	0.667	0	0	0	1
SS00046-SS00049	CIRCULAR	0.667	0	0	0	1
SS00047-SS00048	CIRCULAR	0.833	0	0	0	1
SS00048-SS00049	CIRCULAR	0.833	0	0	0	1
SS00049-SS00050	CIRCULAR	0.833	0	0	0	1
SS00050-SS00051	CIRCULAR	0.833	0	0	0	1
SS00051-SS00052	CIRCULAR	0.833	0	0	0	1
SS00052-SS00060	CIRCULAR	0.833	0	0	0	1
SS00053-SS00242	CIRCULAR	1.250	0	0	0	1
SS00054-SS00053	CIRCULAR	1.000	0	0	0	1
SS00055-SS00054	CIRCULAR	1.000	0	0	0	1
SS00056-SS00055	CIRCULAR	1.000	0	0	0	1
SS00057-SS00056	CIRCULAR	1.000	0	0	0	1
SS00058-SS00057	CIRCULAR	1.000	0	0	0	1
SS00059-SS00058	CIRCULAR	1.000	0	0	0	1
SS00060-SS00059	CIRCULAR	1.000	0	0	0	1
SS00061-SS00062	CIRCULAR	0.833	0	0	0	1
SS00062-SS00063	CIRCULAR	0.833	0	0	0	1
SS00063-SS00064	CIRCULAR	0.833	0	0	0	1
SS00064-SS00065	CIRCULAR	0.833	0	0	0	1
SS00065-SS00112	CIRCULAR	0.667	0	0	0	1
SS00066-SS00067	CIRCULAR	0.667	0	0	0	1
SS00067-SS00068	CIRCULAR	0.667	0	0	0	1
SS00068-SS00069	CIRCULAR	0.667	0	0	0	1
SS00069-SS00076	CIRCULAR	0.667	0	0	0	1
SS00070-SS00073	CIRCULAR	0.667	0	0	0	1
SS00071-SS00072	CIRCULAR	0.667	0	0	0	1
SS00072-SS00073	CIRCULAR	0.667	0	0	0	1
SS00073-SS00074	CIRCULAR	0.667	0	0	0	1
SS00074-SS00075	CIRCULAR	0.667	0	0	0	1

SS00075-SS00076	CIRCULAR	0.667	0	0	0	1
SS00076-SS00077	CIRCULAR	0.667	0	0	0	1
SS00077-SS00078	CIRCULAR	0.667	0	0	0	1
SS00078-SS00079	CIRCULAR	0.667	0	0	0	1
SS00079-SS00081	CIRCULAR	0.667	0	0	0	1
SS00080-SS00079	CIRCULAR	0.667	0	0	0	1
SS00081-SS00082	CIRCULAR	0.667	0	0	0	1
SS00082-SS00083	CIRCULAR	0.667	0	0	0	1
SS00083-SS00086	CIRCULAR	0.667	0	0	0	1
SS00084-SS00085	CIRCULAR	0.667	0	0	0	1
SS00085-SS00087	CIRCULAR	0.667	0	0	0	1
SS00086-SS00085	CIRCULAR	0.667	0	0	0	1
SS00087-SS00088	CIRCULAR	0.667	0	0	0	1
SS00088-SS00099	CIRCULAR	0.667	0	0	0	1
SS00089-SS00090	CIRCULAR	0.667	0	0	0	1
SS00090-SS00091	CIRCULAR	0.667	0	0	0	1
SS00091-SS00092	CIRCULAR	0.667	0	0	0	1
SS00092-SS00093	CIRCULAR	0.667	0	0	0	1
SS00093-SS00094	CIRCULAR	0.667	0	0	0	1
SS00094-SS00095	CIRCULAR	0.667	0	0	0	1
SS00095-SS00097	CIRCULAR	0.667	0	0	0	1
SS00096-SS00095	CIRCULAR	0.667	0	0	0	1
SS00097-SS00098	CIRCULAR	0.667	0	0	0	1
SS00098-SS00099	CIRCULAR	0.667	0	0	0	1
SS00099-SS00100	CIRCULAR	0.833	0	0	0	1
SS00100-SS00101	CIRCULAR	0.833	0	0	0	1
SS00101-SS00053	CIRCULAR	0.667	0	0	0	1
SS00102-SS00285	CIRCULAR	1.750	0	0	0	1
SS00103-SS00102	CIRCULAR	1.750	0	0	0	1
SS00104-SS00103	CIRCULAR	1.750	0	0	0	1
SS00105-SS00104	CIRCULAR	1.750	0	0	0	1

SS00106-SS00105	CIRCULAR	1.750	0	0	0	1
SS00107-SS00106	CIRCULAR	1.750	0	0	0	1
SS00108-SS00107	CIRCULAR	1.750	0	0	0	1
SS00109-SS00108	CIRCULAR	1.750	0	0	0	1
SS00110-SS00109	CIRCULAR	1.750	0	0	0	1
SS00111-SS00110	CIRCULAR	2.500	0	0	0	1
SS00112-SS00113	CIRCULAR	0.667	0	0	0	1
SS00113-SS00114	CIRCULAR	0.667	0	0	0	1
SS00114-SS00115	CIRCULAR	0.667	0	0	0	1
SS00115-SS00116	CIRCULAR	0.667	0	0	0	1
SS00116-SS00117	CIRCULAR	0.667	0	0	0	1
SS00117-SS00118	CIRCULAR	0.667	0	0	0	1
SS00118-SS00119	CIRCULAR	0.667	0	0	0	1
SS00119-SS00120	CIRCULAR	0.667	0	0	0	1
SS00120-SS00121	CIRCULAR	0.667	0	0	0	1
SS00121-SS00122	CIRCULAR	0.667	0	0	0	1
SS00122-SS00123	CIRCULAR	0.667	0	0	0	1
SS00123-SS00183	CIRCULAR	0.833	0	0	0	1
SS00124-SS00123	CIRCULAR	0.667	0	0	0	1
SS00125-SS00284	CIRCULAR	0.667	0	0	0	1
SS00126-SS00125	CIRCULAR	0.667	0	0	0	1
SS00127-SS00126	CIRCULAR	0.667	0	0	0	1
SS00128-SS00127	CIRCULAR	0.667	0	0	0	1
SS00129-SS00128	CIRCULAR	0.667	0	0	0	1
SS00130-SS00129	CIRCULAR	0.667	0	0	0	1
SS00131-SS00130	CIRCULAR	0.667	0	0	0	1
SS00132-SS00131	CIRCULAR	0.667	0	0	0	1
SS00133-SS00126	CIRCULAR	0.667	0	0	0	1
SS00134-SS00133	CIRCULAR	0.667	0	0	0	1
SS00135-SS00134	CIRCULAR	0.667	0	0	0	1
SS00136-SS00135	CIRCULAR	0.667	0	0	0	1
SS00137-SS00284	CIRCULAR	0.667	0	0	0	1

SS00138-SS00139	CIRCULAR	0.667	0	0	0	1
SS00139-SS00140	CIRCULAR	0.667	0	0	0	1
SS00140-SS00141	CIRCULAR	0.667	0	0	0	1
SS00141-SS00142	CIRCULAR	0.667	0	0	0	1
SS00142-SS00143	CIRCULAR	0.667	0	0	0	1
SS00143-SS00144	CIRCULAR	0.667	0	0	0	1
SS00144-SS00120	CIRCULAR	0.667	0	0	0	1
SS00145-SS00152	CIRCULAR	0.667	0	0	0	1
SS00146-SS00147	CIRCULAR	0.667	0	0	0	1
SS00147-SS00148	CIRCULAR	0.667	0	0	0	1
SS00148-SS00149	CIRCULAR	0.667	0	0	0	1
SS00149-SS00150	CIRCULAR	0.667	0	0	0	1
SS00150-SS00161	CIRCULAR	0.833	0	0	0	1
SS00151-SS00150	CIRCULAR	0.667	0	0	0	1
SS00152-SS00151	CIRCULAR	0.667	0	0	0	1
SS00153-SS00151	CIRCULAR	0.667	0	0	0	1
SS00154-SS00153	CIRCULAR	0.667	0	0	0	1
SS00155-SS00154	CIRCULAR	0.667	0	0	0	1
SS00156-SS00157	CIRCULAR	0.667	0	0	0	1
SS00157-SS00158	CIRCULAR	0.667	0	0	0	1
SS00158-SS00154	CIRCULAR	0.667	0	0	0	1
SS00159-SS00154	CIRCULAR	0.667	0	0	0	1
SS00160-SS00159	CIRCULAR	0.667	0	0	0	1
SS00161-SS00162	CIRCULAR	0.833	0	0	0	1
SS00162-SS00184	CIRCULAR	0.833	0	0	0	1
SS00163-SS00164	CIRCULAR	0.667	0	0	0	1
SS00164-SS00165	CIRCULAR	0.667	0	0	0	1
SS00165-SS00166	CIRCULAR	0.667	0	0	0	1
SS00166-SS00167	CIRCULAR	0.667	0	0	0	1
SS00167-SS00168	CIRCULAR	0.667	0	0	0	1
SS00168-SS00169	CIRCULAR	0.667	0	0	0	1

SS00169-SS00170	CIRCULAR	0.667	0	0	0	1
SS00170-SS00173	CIRCULAR	0.667	0	0	0	1
SS00171-SS00170	CIRCULAR	0.667	0	0	0	1
SS00172-SS00171	CIRCULAR	0.667	0	0	0	1
SS00173-SS00179	CIRCULAR	0.667	0	0	0	1
SS00174-SS00172	CIRCULAR	0.667	0	0	0	1
SS00175-SS00174	CIRCULAR	0.667	0	0	0	1
SS00176-SS00175	CIRCULAR	0.667	0	0	0	1
SS00177-SS00176	CIRCULAR	0.667	0	0	0	1
SS00178-SS00176	CIRCULAR	0.667	0	0	0	1
SS00179-SS00180	CIRCULAR	2.000	0	0	0	1
SS00180-SS00296	CIRCULAR	1.250	0	0	0	1
SS00181-SS00179	CIRCULAR	2.000	0	0	0	1
SS00182-SS00181	CIRCULAR	2.000	0	0	0	1
SS00183-SS00182	CIRCULAR	0.833	0	0	0	1
SS00184-SS00183	CIRCULAR	0.833	0	0	0	1
SS00185-SS00186	CIRCULAR	0.667	0	0	0	1
SS00186-SS00187	CIRCULAR	0.667	0	0	0	1
SS00187-SS00188	CIRCULAR	0.667	0	0	0	1
SS00188-SS00189	CIRCULAR	0.667	0	0	0	1
SS00189-SS00190	CIRCULAR	0.667	0	0	0	1
SS00190-SS00191	CIRCULAR	0.667	0	0	0	1
SS00191-SS00214	CIRCULAR	0.667	0	0	0	1
SS00192-SS00191	CIRCULAR	0.667	0	0	0	1
SS00193-SS00192	CIRCULAR	0.667	0	0	0	1
SS00194-SS00193	CIRCULAR	0.667	0	0	0	1
SS00195-SS00194	CIRCULAR	0.667	0	0	0	1
SS00196-SS00195	CIRCULAR	0.667	0	0	0	1
SS00197-SS00198	CIRCULAR	0.667	0	0	0	1
SS00198-SS00199	CIRCULAR	0.667	0	0	0	1
SS00199-SS00200	CIRCULAR	0.667	0	0	0	1
SS00200-SS00194	CIRCULAR	0.667	0	0	0	1

SS00201-SS00200	CIRCULAR	0.667	0	0	0	1
SS00202-SS00201	CIRCULAR	0.667	0	0	0	1
SS00203E-SS00202	CIRCULAR	0.667	0	0	0	1
SS00203N-SS00204	CIRCULAR	0.667	0	0	0	1
SS00204-SS00198	CIRCULAR	0.667	0	0	0	1
SS00205-SS00204	CIRCULAR	0.667	0	0	0	1
SS00206-SS00207	CIRCULAR	0.667	0	0	0	1
SS00207-SS00208	CIRCULAR	0.667	0	0	0	1
SS00208-SS00209	CIRCULAR	0.667	0	0	0	1
SS00209-SS00210	CIRCULAR	0.667	0	0	0	1
SS00210-SS00211	CIRCULAR	0.667	0	0	0	1
SS00211-SS00212	CIRCULAR	0.833	0	0	0	1
SS00212-SS00222	CIRCULAR	0.833	0	0	0	1
SS00213-SS00247	CIRCULAR	1.000	0	0	0	1
SS00214-SS00222	CIRCULAR	1.000	0	0	0	1
SS00215-SS00214	CIRCULAR	1.000	0	0	0	1
SS00216-SS00215	CIRCULAR	1.000	0	0	0	1
SS00217-SS00218	CIRCULAR	0.667	0	0	0	1
SS00218-SS00209	CIRCULAR	0.667	0	0	0	1
SS00219-SS00210	CIRCULAR	0.667	0	0	0	1
SS00220-SS00219	CIRCULAR	0.667	0	0	0	1
SS00221-SS00210	CIRCULAR	0.667	0	0	0	1
SS00222-SS00213	CIRCULAR	1.000	0	0	0	1
SS00223-SS00224	CIRCULAR	0.667	0	0	0	1
SS00224-SS00225	CIRCULAR	0.667	0	0	0	1
SS00225-SS00226	CIRCULAR	0.667	0	0	0	1
SS00226-SS00234	CIRCULAR	0.667	0	0	0	1
SS00227-SS00226	CIRCULAR	0.667	0	0	0	1
SS00228-SS00229	CIRCULAR	0.667	0	0	0	1
SS00229-SS00230	CIRCULAR	0.667	0	0	0	1
SS00230-SS00231	CIRCULAR	0.667	0	0	0	1

SS00231-SS00232	CIRCULAR	0.667	0	0	0	1
SS00232-LS00001	CIRCULAR	0.667	0	0	0	1
SS00233-SS00232	CIRCULAR	0.667	0	0	0	1
SS00234-SS00233	CIRCULAR	0.667	0	0	0	1
SS00235-SS00236	CIRCULAR	0.667	0	0	0	1
SS00236-SS00237	CIRCULAR	0.667	0	0	0	1
SS00237-SS00238	CIRCULAR	0.667	0	0	0	1
SS00238-SS00239	CIRCULAR	0.667	0	0	0	1
SS00239-LS00001	CIRCULAR	0.667	0	0	0	1
SS00240-SS00292	CIRCULAR	1.500	0	0	0	1
SS00241-SS00240	CIRCULAR	1.750	0	0	0	1
SS00242-SS00241	CIRCULAR	1.250	0	0	0	1
SS00243-SS00244	CIRCULAR	0.667	0	0	0	1
SS00244-SS00245	CIRCULAR	0.667	0	0	0	1
SS00245-SS00246	CIRCULAR	0.667	0	0	0	1
SS00246-SS00213	CIRCULAR	0.667	0	0	0	1
SS00247-SS00252	CIRCULAR	1.000	0	0	0	1
SS00248-SS00247	CIRCULAR	0.667	0	0	0	1
SS00249-SS00248	CIRCULAR	0.667	0	0	0	1
SS00250-SS00249	CIRCULAR	0.667	0	0	0	1
SS00251-SS00250	CIRCULAR	0.667	0	0	0	1
SS00252-SS00253	CIRCULAR	1.000	0	0	0	1
SS00253-SS00254	CIRCULAR	1.000	0	0	0	1
SS00254-SS00256	CIRCULAR	1.000	0	0	0	1
SS00255-SS00254	CIRCULAR	0.667	0	0	0	1
SS00256-SS00270	CIRCULAR	1.000	0	0	0	1
SS00257-SS00256	CIRCULAR	0.667	0	0	0	1
SS00258-SS00257	CIRCULAR	0.667	0	0	0	1
SS00259-SS00258	CIRCULAR	0.667	0	0	0	1
SS00260-SS00259	CIRCULAR	0.667	0	0	0	1
SS00261-SS00260	CIRCULAR	0.667	0	0	0	1
SS00262-SS00261	CIRCULAR	0.667	0	0	0	1

SS00263-SS00256	CIRCULAR	0.667	0	0	0	1
SS00264-SS00263	CIRCULAR	0.667	0	0	0	1
SS00265-SS00264	CIRCULAR	0.500	0	0	0	1
SS00266-SS00267	CIRCULAR	0.500	0	0	0	1
SS00267-SS00268	CIRCULAR	0.500	0	0	0	1
SS00268-SS00269	CIRCULAR	0.667	0	0	0	1
SS00269-SS00270	CIRCULAR	0.667	0	0	0	1
SS00270-SS00271	CIRCULAR	1.000	0	0	0	1
SS00271-SS00277	CIRCULAR	1.000	0	0	0	1
SS00272-SS00273	CIRCULAR	0.667	0	0	0	1
SS00273-SS00274	CIRCULAR	0.667	0	0	0	1
SS00274-SS00275	CIRCULAR	1.000	0	0	0	1
SS00275-SS00303	CIRCULAR	1.000	0	0	0	1
SS00276-SS00274	CIRCULAR	1.000	0	0	0	1
SS00277-SS00276	CIRCULAR	1.000	0	0	0	1
SS00278-SS00277	CIRCULAR	0.667	0	0	0	1
SS00279-SS00278	CIRCULAR	0.667	0	0	0	1
SS00280-SS00279	CIRCULAR	0.667	0	0	0	1
SS00281-SS00280	CIRCULAR	0.667	0	0	0	1
SS00282-SS00001	CIRCULAR	0.667	0	0	0	1
SS00283-SS00123	CIRCULAR	0.667	0	0	0	1
SS00284-SS00124	CIRCULAR	0.667	0	0	0	1
SS00285-WWTF00001	CIRCULAR	1.750	0	0	0	1
SS00286-SS00287	CIRCULAR	0.667	0	0	0	1
SS00287-SS00288	CIRCULAR	0.667	0	0	0	1
SS00288-SS00289	CIRCULAR	0.667	0	0	0	1
SS00289-SS00290	CIRCULAR	0.667	0	0	0	1
SS00290-SS00291	CIRCULAR	0.667	0	0	0	1
SS00291-SS00047	CIRCULAR	0.667	0	0	0	1
SS00292-SS00293	CIRCULAR	1.500	0	0	0	1
SS00293-SS00294	CIRCULAR	1.500	0	0	0	1

SS00294-SS00295	CIRCULAR	1.500	0	0	0	1
SS00295-SS00182	CIRCULAR	1.500	0	0	0	1
SS00296-SS00297	CIRCULAR	1.250	0	0	0	1
SS00297-SS00298	CIRCULAR	1.250	0	0	0	1
SS00298-SS00299	CIRCULAR	1.250	0	0	0	1
SS00299-SS00300	CIRCULAR	1.250	0	0	0	1
SS00300-SS00301	CIRCULAR	1.250	0	0	0	1
SS00301-SS00302	CIRCULAR	1.250	0	0	0	1
SS00302-SS00311	CIRCULAR	1.250	0	0	0	1
SS00303-SS00317	CIRCULAR	1.000	0	0	0	1
SS00304-SS00305	CIRCULAR	1.250	0	0	0	1
SS00305-SS00306	CIRCULAR	1.250	0	0	0	1
SS00306-SS00307	CIRCULAR	1.250	0	0	0	1
SS00307-SS00308	CIRCULAR	1.250	0	0	0	1
SS00308-SS00309	CIRCULAR	1.250	0	0	0	1
SS00309-SS00310	CIRCULAR	1.250	0	0	0	1
SS00310-SS00311	CIRCULAR	1.250	0	0	0	1
SS00311-SS00312	CIRCULAR	1.750	0	0	0	1
SS00312-SS00313	CIRCULAR	1.750	0	0	0	1
SS00313-SS00314	CIRCULAR	1.750	0	0	0	1
SS00314-SS00315	CIRCULAR	1.750	0	0	0	1
SS00315-SS00111	CIRCULAR	2.500	0	0	0	1
SSC00001-SS00255	CIRCULAR	0.500	0	0	0	1
SSC00002-SS00265	CIRCULAR	0.500	0	0	0	1
SSC00003-SS00264	CIRCULAR	0.667	0	0	0	1
SSC00004-SS00225	CIRCULAR	0.333	0	0	0	1
SSC00005-SS00244	CIRCULAR	0.667	0	0	0	1
SSC00006-SS00231	CIRCULAR	0.667	0	0	0	1
SSC00007-SS00015	CIRCULAR	0.833	0	0	0	1
SS00203N-SSS00203E	CIRCULAR	1	0	0	0	1
SS00316-SS00046	CIRCULAR	0.667	0	0	0	1
SS00317-SS00304	CIRCULAR	1	0	0	0	1

Future_8inch_Pipe CIRCULAR 0.667 0 0 0 1

[INFLOWS]

;;Node	Constituent	Time Series	Type	Mfactor	Sfactor	Baseline Pattern
SS00001	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.105	
SS00002	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.105	
SS00003	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.210	
SS00004	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.629	
SS00005	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	1.362	
SS00006	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.419	
SS00007	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.314	
SS00009	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.524	
SS00010	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.838	
SS00011	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.943	
SS00012	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.210	
SS00013	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.105	
SS00014	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.419	
SS00015	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.105	
SS00016	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.524	
SS00017	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.210	
SS00018	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.629	
SS00019	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.524	
SS00020	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.210	
SS00022	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.419	
SS00023	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.629	
SS00024	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	1.048	
SS00026	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	1.362	
SS00027	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.524	
SS00028	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.419	
SS00030	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.524	
SS00031	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.314	

SS00032	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.314
SS00033	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.419
SS00034	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.524
SS00035	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	1.153
SS00036	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	1.048
SS00037	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.419
SS00038	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.419
SS00039	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.314
SS00040	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.314
SS00041	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.210
SS00042	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.314
SS00043	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.314
SS00044	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.210
SS00046	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.105
SS00047	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.357
SS00048	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.105
SS00050	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.210
SS00051	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.105
SS00052	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.105
SS00055	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.210
SS00056	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.105
SS00057	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.210
SS00058	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.147
SS00059	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.210
SS00060	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.210
SS00061	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.400
SS00062	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.210
SS00063	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.105
SS00064	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.210
SS00066	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.442
SS00067	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.210
SS00068	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.210

SS00069		FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.147
SS00070		FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.147
SS00071		FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.357
SS00072		FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.147
SS00074		FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.210
SS00075		FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.105
SS00076		FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.147
SS00077		FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.147
SS00079		FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.147
SS00080		FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.462
SS00081		FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.252
SS00083		FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.210
SS00084		FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.504
SS00085		FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.147
SS00087		FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.147
SS00089		FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.252
SS00090		FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.105
SS00091		FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.252
SS00092		FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.210
SS00093		FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.252
SS00094		FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.147
SS00095		FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.400
SS00096		FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.314
SS00097		FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.252
SS00100		FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.105
SS00102		FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	
51.589	239.13	COMMERCIAL				
SS00113		FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.733
SS00114		FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.524
SS00115		FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.314
SS00116		FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.567
SS00117		FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.210

SS00118	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.105
SS00119	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.295
SS00120	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.105
SS00121	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.105
SS00122	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.419
SS00125	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.629
SS00126	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.524
SS00128	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.105
SS00129	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.210
SS00130	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.105
SS00131	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.105
SS00132	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.419
SS00133	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.210
SS00134	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.210
SS00135	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.210
SS00136	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	1.281
SS00137	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.419
SS00138	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.357
SS00139	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.357
SS00140	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.419
SS00141	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.210
SS00142	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.567
SS00143	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.314
SS00144	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.252
SS00145	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.419
SS00146	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.419
SS00148	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.105
SS00149	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.733
SS00151	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.105
SS00152	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.105
SS00154	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	0.210
SS00155	FLOW	RESIDENTIAL_TYPICAL_ADJUST FLOW	1.0	

	35.375				
SS00156	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.400
SS00157	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	1.284
SS00158	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	1.284
SS00159	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.629
SS00160	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.838
SS00163	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	1.091
SS00164	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	1.048
SS00165	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.838
SS00166	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.943
SS00167	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	1.048
SS00168	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	1.048
SS00169	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.524
SS00173	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.105
SS00174	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	1.048
SS00175	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	1.048
SS00176	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	1.048
SS00177	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.210
SS00178	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.314
SS00185	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.838
SS00186	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	1.153
SS00187	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.524
SS00188	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.314
SS00189	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.838
SS00190	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.733
SS00192	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.524
SS00193	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.210
SS00194	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.210
SS00195	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.838
SS00196	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	1.048
SS00197	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.314
SS00198	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0	0.733

SS00199	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0 0.419
SS00200	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0 0.419
SS00201	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0 0.629
SS00202	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0 0.733
SS00204	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0 0.419
SS00205	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0 0.733
SS00206	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0 1.048
SS00207	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0 0.733
SS00208	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0 0.629
SS00209	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0 0.314
SS00210	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0 0.210
SS00211	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0 0.943
SS00212	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0 0.838
SS00214	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0 0.419
SS00215	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0 0.524
SS00216	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0 0.419
SS00217	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0 1.048
SS00218	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0 0.629
SS00219	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0 0.629
SS00220	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0 1.048
SS00223	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0 0.943
SS00224	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0 0.105
SS00225	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0 0.524
SS00227	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0 0.629
SS00228	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0 0.629
SS00229	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0 1.257
SS00230	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0 0.629
SS00231	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0 0.419
SS00232	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0 0.105
SS00233	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0 0.629
SS00234	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0 1.572
SS00235	FLOW	RESIDENTIAL_TYPICAL_ADJUST	FLOW	1.0 1.048

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SS00236          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      0.524

SS00237          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      1.153

SS00238          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      0.105

SS00242          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      0.105

SS00243          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      0.314

SS00244          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      0.524

SS00245          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      0.524

SS00246          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      0.629

SS00248          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      1.257

SS00249          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      1.257

SS00250          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      1.048

SS00251          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      1.257

SS00252          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      0.943

SS00253          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      0.943

SS00255          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      1.091

SS00256          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      0.295

SS00257          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      0.881
   0.570    COMMERCIAL
SS00258          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      0.524
   0.051    COMMERCIAL
SS00259          FLOW             COMMERCIAL       FLOW     1.0      1.66

SS00262          FLOW             COMMERCIAL       FLOW     1.0      0.78

SS00263          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      0.419
   0.34     COMMERCIAL
SS00264          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      1.048

SS00266          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      1.048

SS00268          FLOW             COMMERCIAL       FLOW     1.0      0.12

SS00269          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      0.733
   4.079    COMMERCIAL
SS00272          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      0.943

SS00273          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      1.257

SS00278          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      0.419

SS00279          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      0.671

SS00280          FLOW             COMMERCIAL       FLOW     1.0      0.03

SS00281          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0
92.329   0.064    COMMERCIAL
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SS00282          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0
70.750
SS00283          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      0.210

SS00304          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0
39.797
SS00306          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0
19.161
SS00315          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      2.935
   222.13   COMMERCIAL
SSC00001         FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      0.733

SSC00002         FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      0.629

SSC00003         FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      0.210

SSC00005         FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      0.210

SSC00006         FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      0.210

SS00203E         FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      1.153

SS00203N         FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      0.419

SS00316          FLOW             RESIDENTIAL_TYPICAL_ADJUST FLOW     1.0      0.210


[CURVES]
;;Name           Type       X-Value    Y-Value
;;-------------- ---------- ---------- ----------
;LL PUMP
NORTHCREEK_PUMP1 Pump3      44         200
;
;HL PUMP
NORTHCREEK_PUMP2 Pump3      44         200
;
LS00001          Storage    0          28
LS00001                     12         28
;
DischargeHeader  Storage    0          2
DischargeHeader             1          2

[TIMESERIES]
;;Name           Date       Time       Value
;;-------------- ---------- ---------- ----------
;RESIDENTIAL_TYPICAL
RESIDENTIAL_TYPICAL 7/26/2016  0:00       0.65
RESIDENTIAL_TYPICAL 7/26/2016  1:00       0.34
RESIDENTIAL_TYPICAL 7/26/2016  2:00       0.22
RESIDENTIAL_TYPICAL 7/26/2016  3:00       0.2
RESIDENTIAL_TYPICAL 7/26/2016  4:00       0.21
RESIDENTIAL_TYPICAL 7/26/2016  5:00       0.25
RESIDENTIAL_TYPICAL 7/26/2016  6:00       0.6
RESIDENTIAL_TYPICAL 7/26/2016  7:00       1.26
RESIDENTIAL_TYPICAL 7/26/2016  8:00       1.61
RESIDENTIAL_TYPICAL 7/26/2016  9:00       1.68
RESIDENTIAL_TYPICAL 7/26/2016  10:00      1.64
RESIDENTIAL_TYPICAL 7/26/2016  11:00      1.5
RESIDENTIAL_TYPICAL 7/26/2016  12:00      1.34
RESIDENTIAL_TYPICAL 7/26/2016  13:00      1.18
RESIDENTIAL_TYPICAL 7/26/2016  14:00      1.09
RESIDENTIAL_TYPICAL 7/26/2016  15:00      0.99
RESIDENTIAL_TYPICAL 7/26/2016  16:00      1
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RESIDENTIAL_TYPICAL	7/26/2016	17:00	1.08
RESIDENTIAL_TYPICAL	7/26/2016	18:00	1.23
RESIDENTIAL_TYPICAL	7/26/2016	19:00	1.33
RESIDENTIAL_TYPICAL	7/26/2016	20:00	1.31
RESIDENTIAL_TYPICAL	7/26/2016	21:00	1.21
RESIDENTIAL_TYPICAL	7/26/2016	22:00	1.12
RESIDENTIAL_TYPICAL	7/26/2016	23:00	0.94
RESIDENTIAL_TYPICAL	7/27/2016	0:00	0.65
RESIDENTIAL_TYPICAL	7/27/2016	1:00	0.34
RESIDENTIAL_TYPICAL	7/27/2016	2:00	0.22
RESIDENTIAL_TYPICAL	7/27/2016	3:00	0.2
RESIDENTIAL_TYPICAL	7/27/2016	4:00	0.21
RESIDENTIAL_TYPICAL	7/27/2016	5:00	0.25
RESIDENTIAL_TYPICAL	7/27/2016	6:00	0.6
RESIDENTIAL_TYPICAL	7/27/2016	7:00	1.26
RESIDENTIAL_TYPICAL	7/27/2016	8:00	1.61
RESIDENTIAL_TYPICAL	7/27/2016	9:00	1.68
RESIDENTIAL_TYPICAL	7/27/2016	10:00	1.64
RESIDENTIAL_TYPICAL	7/27/2016	11:00	1.5
RESIDENTIAL_TYPICAL	7/27/2016	12:00	1.34
RESIDENTIAL_TYPICAL	7/27/2016	13:00	1.18
RESIDENTIAL_TYPICAL	7/27/2016	14:00	1.09
RESIDENTIAL_TYPICAL	7/27/2016	15:00	0.99
RESIDENTIAL_TYPICAL	7/27/2016	16:00	1
RESIDENTIAL_TYPICAL	7/27/2016	17:00	1.08
RESIDENTIAL_TYPICAL	7/27/2016	18:00	1.23
RESIDENTIAL_TYPICAL	7/27/2016	19:00	1.33
RESIDENTIAL_TYPICAL	7/27/2016	20:00	1.31
RESIDENTIAL_TYPICAL	7/27/2016	21:00	1.21
RESIDENTIAL_TYPICAL	7/27/2016	22:00	1.12
RESIDENTIAL_TYPICAL	7/27/2016	23:00	0.94
RESIDENTIAL_TYPICAL	7/28/2016	0:00	0.65
RESIDENTIAL_TYPICAL	7/28/2016	1:00	0.34
RESIDENTIAL_TYPICAL	7/28/2016	2:00	0.22
RESIDENTIAL_TYPICAL	7/28/2016	3:00	0.2
RESIDENTIAL_TYPICAL	7/28/2016	4:00	0.21
RESIDENTIAL_TYPICAL	7/28/2016	5:00	0.25
RESIDENTIAL_TYPICAL	7/28/2016	6:00	0.6
RESIDENTIAL_TYPICAL	7/28/2016	7:00	1.26
RESIDENTIAL_TYPICAL	7/28/2016	8:00	1.61
RESIDENTIAL_TYPICAL	7/28/2016	9:00	1.68
RESIDENTIAL_TYPICAL	7/28/2016	10:00	1.64
RESIDENTIAL_TYPICAL	7/28/2016	11:00	1.5
RESIDENTIAL_TYPICAL	7/28/2016	12:00	1.34
RESIDENTIAL_TYPICAL	7/28/2016	13:00	1.18
RESIDENTIAL_TYPICAL	7/28/2016	14:00	1.09
RESIDENTIAL_TYPICAL	7/28/2016	15:00	0.99
RESIDENTIAL_TYPICAL	7/28/2016	16:00	1
RESIDENTIAL_TYPICAL	7/28/2016	17:00	1.08
RESIDENTIAL_TYPICAL	7/28/2016	18:00	1.23
RESIDENTIAL_TYPICAL	7/28/2016	19:00	1.33
RESIDENTIAL_TYPICAL	7/28/2016	20:00	1.31
RESIDENTIAL_TYPICAL	7/28/2016	21:00	1.21
RESIDENTIAL_TYPICAL	7/28/2016	22:00	1.12
RESIDENTIAL_TYPICAL	7/28/2016	23:00	0.94
RESIDENTIAL_TYPICAL	7/29/2016	0:00	0.65
RESIDENTIAL_TYPICAL	7/29/2016	1:00	0.34
RESIDENTIAL_TYPICAL	7/29/2016	2:00	0.22
RESIDENTIAL_TYPICAL	7/29/2016	3:00	0.2
RESIDENTIAL_TYPICAL	7/29/2016	4:00	0.21
RESIDENTIAL_TYPICAL	7/29/2016	5:00	0.25
RESIDENTIAL_TYPICAL	7/29/2016	6:00	0.6
RESIDENTIAL_TYPICAL	7/29/2016	7:00	1.26

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RESIDENTIAL_TYPICAL 7/29/2016  8:00       1.61
RESIDENTIAL_TYPICAL 7/29/2016  9:00       1.68
RESIDENTIAL_TYPICAL 7/29/2016  10:00      1.64
RESIDENTIAL_TYPICAL 7/29/2016  11:00      1.5
RESIDENTIAL_TYPICAL 7/29/2016  12:00      1.34
RESIDENTIAL_TYPICAL 7/29/2016  13:00      1.18
RESIDENTIAL_TYPICAL 7/29/2016  14:00      1.09
RESIDENTIAL_TYPICAL 7/29/2016  15:00      0.99
RESIDENTIAL_TYPICAL 7/29/2016  16:00      1
RESIDENTIAL_TYPICAL 7/29/2016  17:00      1.08
RESIDENTIAL_TYPICAL 7/29/2016  18:00      1.23
RESIDENTIAL_TYPICAL 7/29/2016  19:00      1.33
RESIDENTIAL_TYPICAL 7/29/2016  20:00      1.31
RESIDENTIAL_TYPICAL 7/29/2016  21:00      1.21
RESIDENTIAL_TYPICAL 7/29/2016  22:00      1.12
RESIDENTIAL_TYPICAL 7/29/2016  23:00      0.94
RESIDENTIAL_TYPICAL 7/30/2016  0:00       0.65
;
COMMERCIAL        7/26/2016  0:00       0.97
COMMERCIAL        7/26/2016  1:00       0.85
COMMERCIAL        7/26/2016  2:00       0.72
COMMERCIAL        7/26/2016  3:00       0.64
COMMERCIAL        7/26/2016  4:00       0.58
COMMERCIAL        7/26/2016  5:00       0.55
COMMERCIAL        7/26/2016  6:00       0.59
COMMERCIAL        7/26/2016  7:00       0.77
COMMERCIAL        7/26/2016  8:00       1.02
COMMERCIAL        7/26/2016  9:00       1.07
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[PATTERNS]
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CONTROLS   NO
SUBCATCHMENTS ALL
NODES ALL
LINKS ALL

[TAGS]

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Units      Feet

[COORDINATES]
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SS00153	3143502.895	1331824.845
SS00154	3143767.708	1331827.560
SS00155	3143891.657	1331829.629

SS00156	3143715.487	1332604.947
SS00157	3143763.745	1332520.811
SS00158	3143764.759	1332171.995
SS00159	3143771.406	1331587.378
SS00160	3143772.304	1331316.676
SS00161	3143329.397	1331745.122
SS00162	3143290.925	1331743.048
SS00163	3140055.413	1331092.644
SS00164	3140433.688	1331097.614
SS00165	3140833.374	1331104.469
SS00166	3141232.327	1331112.571
SS00167	3141631.803	1331118.987
SS00168	3142032.622	1331125.008
SS00169	3142417.487	1331134.593
SS00170	3142413.833	1331476.633
SS00171	3142415.437	1331504.529
SS00172	3142376.043	1331554.108
SS00173	3142477.939	1331481.530
SS00174	3141974.756	1331545.357
SS00175	3141575.539	1331539.078
SS00176	3141192.897	1331532.221
SS00177	3141097.122	1331531.089
SS00178	3141197.328	1331311.059
SS00179	3142657.616	1331482.388
SS00180	3142781.076	1331478.386
SS00181	3142655.396	1331748.113
SS00182	3142668.282	1332123.897
SS00183	3142739.621	1332215.559
SS00184	3142999.935	1332017.782
SS00185	3137461.154	1328255.507
SS00186	3137459.613	1328532.108
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SS00189	3137451.588	1329423.862
SS00190	3137713.177	1329425.740
SS00191	3137972.347	1329425.893
SS00192	3138144.734	1329428.031
SS00193	3138146.988	1329287.120
SS00194	3138147.693	1329166.590
SS00195	3137845.368	1329163.552
SS00196	3137522.402	1329162.537
SS00197	3137529.757	1328902.383
SS00198	3137725.013	1328904.736
SS00199	3137972.028	1328904.674
SS00200	3138150.053	1328905.844
SS00201	3138149.442	1328637.280
SS00202	3138153.159	1328367.157
SS00204	3137726.268	1328634.094
SS00205	3137881.070	1328634.537
SS00206	3137439.237	1329782.679
SS00207	3137438.308	1330087.641
SS00208	3137433.429	1330343.292
SS00209	3137695.776	1330345.794
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SS00211	3138236.391	1330349.328
SS00212	3138237.343	1330023.907
SS00213	3138442.634	1329701.853
SS00214	3137970.674	1329711.329
SS00215	3137584.493	1329705.611
SS00216	3137335.288	1329703.190
SS00217	3137699.937	1329783.038
SS00218	3137698.959	1330091.023
SS00219	3137966.544	1330090.956

SS00220	3137969.312	1329784.729
SS00221	3137964.981	1330479.426
SS00222	3138238.970	1329700.377
SS00223	3137474.158	1332016.320
SS00224	3137478.728	1331647.162
SS00225	3137478.047	1331634.884
SS00226	3137478.258	1331390.704
SS00227	3137481.613	1330989.329
SS00228	3137635.964	1331044.320
SS00229	3137762.008	1331045.581
SS00230	3138161.154	1331054.511
SS00231	3138460.995	1331057.050
SS00232	3138457.271	1331408.227
SS00233	3138163.013	1331404.501
SS00234	3137763.496	1331396.677
SS00235	3137628.515	1331956.856
SS00236	3137921.828	1331961.845
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SS00238	3138615.458	1331974.872
SS00239	3138615.237	1331732.746
SS00240	3142091.135	1333476.963
SS00241	3142151.900	1333538.562
SS00242	3142134.157	1333770.521
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SS00244	3138452.765	1328574.497
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SS00253	3139031.496	1329322.049
SS00254	3139032.233	1328971.677
SS00255	3139034.792	1328572.649
SS00256	3139413.888	1328976.538
SS00257	3139415.531	1328559.790
SS00258	3139417.406	1328180.985
SS00259	3139236.880	1328178.434
SS00260	3138936.932	1328173.282
SS00261	3138636.678	1328167.549
SS00262	3138377.948	1328163.194
SS00263	3139412.478	1329325.578
SS00264	3139406.065	1329725.776
SS00265	3139196.456	1329740.315
SS00266	3139778.852	1329992.803
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SS00268	3139779.440	1329609.002
SS00269	3139784.934	1329322.035
SS00270	3139792.671	1328976.866
SS00271	3139834.699	1328970.375
SS00272	3140542.094	1328298.980
SS00273	3140540.919	1328574.050
SS00274	3140541.039	1328956.593
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SS00276	3140293.717	1328958.666
SS00277	3140164.619	1328961.525
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SS00282	3143160.656	1338888.250

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SS00287           3144575.152         1336563.149
SS00288           3144768.420         1336233.808
SS00289           3144570.651         1335896.325
SS00290           3144517.880         1335814.061
SS00291           3144245.714         1335522.092
SS00292           3141980.827         1333274.884
SS00293           3142013.872         1332932.752
SS00294           3142049.343         1332585.675
SS00295           3142356.971         1332356.024
SS00296           3143031.249         1331069.030
SS00297           3143094.746         1330934.609
SS00298           3143245.487         1330767.185
SS00299           3143442.556         1330398.203
SS00300           3143644.588         1330032.021
SS00301           3143647.288         1329812.193
SS00302           3143457.674         1329496.277
SS00303           3141019.050         1328961.848
SS00304           3141428.761         1328960.737
SS00305           3141563.333         1329166.865
SS00306           3141934.439         1329172.970
SS00307           3142335.259         1329221.380
SS00308           3142743.591         1329215.217
SS00309           3142954.648         1329206.074
SS00310           3143134.123         1329196.003
SS00311           3143499.301         1329288.190
SS00312           3143698.890         1329381.224
SS00313           3144068.041         1329227.892
SS00314           3144389.204         1329091.438
SS00315           3144760.759         1328936.307
SSC00001          3139036.558         1328350.704
SSC00002          3139193.323         1330055.683
SSC00003          3139403.294         1330015.385
SSC00004          3137305.584         1331635.364
SSC00005          3138273.855         1328574.601
SSC00006          3138478.687         1331009.001
SSC00007          3144135.657         1337625.228
SS00203E          3137729.330         1328364.102
SS00203N          3137729.175         1328364.306
SS00316           3143284.683         1336015.808
SS00317           3141279.735         1328961.141
LS00001           3138460.052         1331448.695
WWTF00001         3147369.292         1327539.810

[VERTICES]
;;Link           X-Coord             Y-Coord
;;-------------- ------------------ ------------------
Future_8inch_Pipe 3138949.510         1331101.994


[BACKDROP]
FILE       "C:\Users\LAT\Desktop\Town of Mead\swmm\Town of Mead Aerial.jpg"
DIMENSIONS 3132318.888 1326778.172 3151696.299 1341078.620
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EPA STORM WATER MANAGEMENT MODEL - VERSION 5.1 (Build 5.1.011)

1970.63c - Town of Mead Sanitary Sewer System - Future Flow Analysis using Industry Standard Data 2016

****
Element Count
****
Number of rain gages 0
Number of subcatchments ... 0
Number of nodes 327
Number of links 327
Number of pollutants 0
Number of land uses 0

****
Node Summary
****

Name	Type	Invert Elev.	Max. Depth	Ponded Area	External Inflow
SS00001	JUNCTION	5074.35	9.23	0.0	Yes
SS00002	JUNCTION	5073.17	9.87	0.0	Yes
SS00003	JUNCTION	5072.22	12.03	0.0	Yes
SS00004	JUNCTION	5070.71	11.54	0.0	Yes
SS00005	JUNCTION	5065.48	12.69	0.0	Yes
SS00006	JUNCTION	5061.71	9.66	0.0	Yes
SS00007	JUNCTION	5061.17	9.66	0.0	Yes
SS00008	JUNCTION	5060.33	9.71	0.0	
SS00009	JUNCTION	5057.95	10.01	0.0	Yes
SS00010	JUNCTION	5060.72	10.11	0.0	Yes
SS00011	JUNCTION	5063.21	10.17	0.0	Yes
SS00012	JUNCTION	5055.17	10.31	0.0	Yes
SS00013	JUNCTION	5048.99	12.14	0.0	Yes
SS00014	JUNCTION	5047.90	11.80	0.0	Yes
SS00015	JUNCTION	5045.06	15.17	0.0	Yes
SS00016	JUNCTION	5044.50	16.08	0.0	Yes
SS00017	JUNCTION	5043.71	17.69	0.0	Yes
SS00018	JUNCTION	5045.00	17.30	0.0	Yes
SS00019	JUNCTION	5072.34	8.55	0.0	Yes
SS00020	JUNCTION	5071.47	9.90	0.0	Yes
SS00021	JUNCTION	5063.69	9.84	0.0	
SS00022	JUNCTION	5057.56	9.93	0.0	Yes
SS00023	JUNCTION	5056.85	9.92	0.0	Yes
SS00024	JUNCTION	5055.62	10.15	0.0	Yes
SS00025	JUNCTION	5054.29	9.99	0.0	
SS00026	JUNCTION	5049.44	13.06	0.0	Yes
SS00027	JUNCTION	5048.28	13.60	0.0	Yes
SS00028	JUNCTION	5047.05	15.59	0.0	Yes
SS00029	JUNCTION	5040.60	22.81	0.0	
SS00030	JUNCTION	5041.71	21.00	0.0	Yes
SS00031	JUNCTION	5042.33	20.25	0.0	Yes
SS00032	JUNCTION	5042.75	19.02	0.0	Yes
SS00033	JUNCTION	5054.81	10.23	0.0	Yes
SS00034	JUNCTION	5054.23	10.11	0.0	Yes
SS00035	JUNCTION	5052.81	10.57	0.0	Yes
SS00036	JUNCTION	5051.06	10.35	0.0	Yes
SS00037	JUNCTION	5049.24	12.78	0.0	Yes
SS00038	JUNCTION	5048.45	13.92	0.0	Yes

SS00039	JUNCTION	5047.66	15.56	0.0	Yes
SS00040	JUNCTION	5047.03	16.53	0.0	Yes
SS00041	JUNCTION	5046.23	17.65	0.0	Yes
SS00042	JUNCTION	5042.97	10.16	0.0	Yes
SS00043	JUNCTION	5040.42	9.88	0.0	Yes
SS00044	JUNCTION	5039.12	9.15	0.0	Yes
SS00045	JUNCTION	5033.75	10.80	0.0	
SS00046	JUNCTION	5030.12	14.69	0.0	Yes
SS00047	JUNCTION	5028.68	13.69	0.0	Yes
SS00048	JUNCTION	5027.41	17.41	0.0	Yes
SS00049	JUNCTION	5025.57	18.39	0.0	
SS00050	JUNCTION	5024.27	17.84	0.0	Yes
SS00051	JUNCTION	5022.93	13.99	0.0	Yes
SS00052	JUNCTION	5021.68	11.35	0.0	Yes
SS00053	JUNCTION	4972.71	14.82	0.0	
SS00054	JUNCTION	4981.28	13.65	0.0	
SS00055	JUNCTION	4993.33	12.71	0.0	Yes
SS00056	JUNCTION	5001.76	12.20	0.0	Yes
SS00057	JUNCTION	5004.61	11.95	0.0	Yes
SS00058	JUNCTION	5006.59	12.10	0.0	Yes
SS00059	JUNCTION	5012.50	11.04	0.0	Yes
SS00060	JUNCTION	5019.60	9.30	0.0	Yes
SS00061	JUNCTION	5023.48	9.92	0.0	Yes
SS00062	JUNCTION	5018.59	13.43	0.0	Yes
SS00063	JUNCTION	5009.84	13.46	0.0	Yes
SS00064	JUNCTION	4997.44	15.97	0.0	Yes
SS00065	JUNCTION	4993.83	12.41	0.0	
SS00066	JUNCTION	5012.54	15.75	0.0	Yes
SS00067	JUNCTION	5009.80	13.73	0.0	Yes
SS00068	JUNCTION	5007.53	13.77	0.0	Yes
SS00069	JUNCTION	5005.28	13.65	0.0	Yes
SS00070	JUNCTION	5014.85	13.52	0.0	Yes
SS00071	JUNCTION	5017.49	13.90	0.0	Yes
SS00072	JUNCTION	5015.77	14.02	0.0	Yes
SS00073	JUNCTION	5013.65	13.87	0.0	
SS00074	JUNCTION	5011.08	13.93	0.0	Yes
SS00075	JUNCTION	5006.92	13.64	0.0	Yes
SS00076	JUNCTION	5004.40	13.92	0.0	Yes
SS00077	JUNCTION	5001.09	13.85	0.0	Yes
SS00078	JUNCTION	4996.89	13.89	0.0	
SS00079	JUNCTION	4994.76	13.61	0.0	Yes
SS00080	JUNCTION	4997.22	13.68	0.0	Yes
SS00081	JUNCTION	4990.76	13.60	0.0	Yes
SS00082	JUNCTION	4988.05	12.45	0.0	
SS00083	JUNCTION	4987.50	11.57	0.0	Yes
SS00084	JUNCTION	4987.51	14.45	0.0	Yes
SS00085	JUNCTION	4985.48	11.25	0.0	Yes
SS00086	JUNCTION	4986.23	11.39	0.0	
SS00087	JUNCTION	4984.29	11.26	0.0	Yes
SS00088	JUNCTION	4983.16	15.23	0.0	
SS00089	JUNCTION	5021.12	11.59	0.0	Yes
SS00090	JUNCTION	5018.45	10.84	0.0	Yes
SS00091	JUNCTION	5012.58	10.72	0.0	Yes
SS00092	JUNCTION	5007.04	10.65	0.0	Yes
SS00093	JUNCTION	5003.55	10.59	0.0	Yes
SS00094	JUNCTION	5001.17	10.53	0.0	Yes
SS00095	JUNCTION	4999.32	10.65	0.0	Yes
SS00096	JUNCTION	5004.23	10.51	0.0	Yes
SS00097	JUNCTION	4995.62	10.60	0.0	Yes
SS00098	JUNCTION	4991.53	10.31	0.0	
SS00099	JUNCTION	4982.20	17.97	0.0	
SS00100	JUNCTION	4980.30	17.71	0.0	Yes
SS00101	JUNCTION	4974.38	14.54	0.0	

SS00102	JUNCTION	4915.09	16.11	0.0	Yes
SS00103	JUNCTION	4916.13	9.89	0.0	
SS00104	JUNCTION	4916.73	7.93	0.0	
SS00105	JUNCTION	4916.93	11.18	0.0	
SS00106	JUNCTION	4917.38	5.30	0.0	
SS00107	JUNCTION	4917.71	14.44	0.0	
SS00108	JUNCTION	4917.89	15.96	0.0	
SS00109	JUNCTION	4918.21	19.99	0.0	
SS00110	JUNCTION	4918.34	19.42	0.0	
SS00111	JUNCTION	4918.61	12.01	0.0	
SS00112	JUNCTION	4992.78	9.26	0.0	
SS00113	JUNCTION	4987.33	13.79	0.0	Yes
SS00114	JUNCTION	4983.29	12.98	0.0	Yes
SS00115	JUNCTION	4978.13	13.44	0.0	Yes
SS00116	JUNCTION	4974.08	13.72	0.0	Yes
SS00117	JUNCTION	4970.16	14.07	0.0	Yes
SS00118	JUNCTION	4967.20	13.61	0.0	Yes
SS00119	JUNCTION	4964.37	13.88	0.0	Yes
SS00120	JUNCTION	4962.38	12.45	0.0	Yes
SS00121	JUNCTION	4959.08	12.45	0.0	Yes
SS00122	JUNCTION	4952.06	13.49	0.0	Yes
SS00123	JUNCTION	4950.29	14.26	0.0	
SS00124	JUNCTION	4950.83	14.08	0.0	
SS00125	JUNCTION	4968.95	13.80	0.0	Yes
SS00126	JUNCTION	4976.60	13.10	0.0	Yes
SS00127	JUNCTION	4978.18	12.46	0.0	
SS00128	JUNCTION	4978.96	12.54	0.0	Yes
SS00129	JUNCTION	4981.61	14.45	0.0	Yes
SS00130	JUNCTION	4982.06	15.03	0.0	Yes
SS00131	JUNCTION	4982.55	15.05	0.0	Yes
SS00132	JUNCTION	4983.98	11.39	0.0	Yes
SS00133	JUNCTION	4978.98	13.57	0.0	Yes
SS00134	JUNCTION	4980.25	13.79	0.0	Yes
SS00135	JUNCTION	4982.91	14.51	0.0	Yes
SS00136	JUNCTION	4986.93	13.86	0.0	Yes
SS00137	JUNCTION	4968.34	13.67	0.0	Yes
SS00138	JUNCTION	4979.35	12.55	0.0	Yes
SS00139	JUNCTION	4976.96	12.57	0.0	Yes
SS00140	JUNCTION	4974.65	12.74	0.0	Yes
SS00141	JUNCTION	4972.37	12.44	0.0	Yes
SS00142	JUNCTION	4970.22	12.52	0.0	Yes
SS00143	JUNCTION	4966.14	12.40	0.0	Yes
SS00144	JUNCTION	4963.98	12.69	0.0	Yes
SS00145	JUNCTION	4955.71	11.74	0.0	Yes
SS00146	JUNCTION	4957.29	12.13	0.0	Yes
SS00147	JUNCTION	4956.05	12.95	0.0	
SS00148	JUNCTION	4955.77	12.50	0.0	Yes
SS00149	JUNCTION	4954.92	12.71	0.0	Yes
SS00150	JUNCTION	4945.72	15.37	0.0	
SS00151	JUNCTION	4946.27	14.87	0.0	Yes
SS00152	JUNCTION	4950.26	11.91	0.0	Yes
SS00153	JUNCTION	4946.82	14.90	0.0	
SS00154	JUNCTION	4948.06	16.43	0.0	Yes
SS00155	JUNCTION	4949.41	15.79	0.0	Yes
SS00156	JUNCTION	4974.68	12.17	0.0	Yes
SS00157	JUNCTION	4972.01	13.80	0.0	Yes
SS00158	JUNCTION	4961.99	12.95	0.0	Yes
SS00159	JUNCTION	4949.30	12.33	0.0	Yes
SS00160	JUNCTION	4950.66	5.82	0.0	Yes
SS00161	JUNCTION	4944.99	12.46	0.0	
SS00162	JUNCTION	4944.79	7.01	0.0	
SS00163	JUNCTION	4989.11	9.21	0.0	Yes
SS00164	JUNCTION	4983.94	8.49	0.0	Yes

SS00165	JUNCTION	4979.30	8.35	0.0	Yes
SS00166	JUNCTION	4974.53	8.31	0.0	Yes
SS00167	JUNCTION	4967.54	10.41	0.0	Yes
SS00168	JUNCTION	4961.11	10.62	0.0	Yes
SS00169	JUNCTION	4954.67	10.72	0.0	Yes
SS00170	JUNCTION	4948.24	9.31	0.0	
SS00171	JUNCTION	4948.58	8.76	0.0	
SS00172	JUNCTION	4949.28	8.70	0.0	
SS00173	JUNCTION	4946.56	11.05	0.0	Yes
SS00174	JUNCTION	4952.18	9.60	0.0	Yes
SS00175	JUNCTION	4957.00	13.07	0.0	Yes
SS00176	JUNCTION	4968.51	10.47	0.0	Yes
SS00177	JUNCTION	4970.70	10.06	0.0	Yes
SS00178	JUNCTION	4973.70	9.89	0.0	Yes
SS00179	JUNCTION	4938.96	15.27	0.0	
SS00180	JUNCTION	4937.64	7.00	0.0	
SS00181	JUNCTION	4939.12	8.62	0.0	
SS00182	JUNCTION	4939.71	8.30	0.0	
SS00183	JUNCTION	4941.72	12.07	0.0	
SS00184	JUNCTION	4943.17	9.84	0.0	
SS00185	JUNCTION	5049.88	10.89	0.0	Yes
SS00186	JUNCTION	5047.92	11.79	0.0	Yes
SS00187	JUNCTION	5045.23	11.37	0.0	Yes
SS00188	JUNCTION	5041.91	11.72	0.0	Yes
SS00189	JUNCTION	5039.65	11.97	0.0	Yes
SS00190	JUNCTION	5034.62	11.30	0.0	Yes
SS00191	JUNCTION	5029.98	12.00	0.0	
SS00192	JUNCTION	5031.31	11.92	0.0	Yes
SS00193	JUNCTION	5032.77	11.67	0.0	Yes
SS00194	JUNCTION	5033.93	11.36	0.0	Yes
SS00195	JUNCTION	5035.95	12.32	0.0	Yes
SS00196	JUNCTION	5041.65	11.70	0.0	Yes
SS00197	JUNCTION	5043.18	11.78	0.0	Yes
SS00198	JUNCTION	5039.34	11.70	0.0	Yes
SS00199	JUNCTION	5036.75	11.62	0.0	Yes
SS00200	JUNCTION	5035.36	11.25	0.0	Yes
SS00201	JUNCTION	5037.97	11.57	0.0	Yes
SS00202	JUNCTION	5039.99	11.49	0.0	Yes
SS00204	JUNCTION	5041.32	11.79	0.0	Yes
SS00205	JUNCTION	5042.45	11.93	0.0	Yes
SS00206	JUNCTION	5039.14	11.44	0.0	Yes
SS00207	JUNCTION	5035.96	11.64	0.0	Yes
SS00208	JUNCTION	5033.10	11.91	0.0	Yes
SS00209	JUNCTION	5030.91	11.75	0.0	Yes
SS00210	JUNCTION	5025.51	11.55	0.0	Yes
SS00211	JUNCTION	5023.99	11.27	0.0	Yes
SS00212	JUNCTION	5022.27	15.17	0.0	Yes
SS00213	JUNCTION	5016.67	13.87	0.0	
SS00214	JUNCTION	5027.32	13.02	0.0	Yes
SS00215	JUNCTION	5035.14	13.96	0.0	Yes
SS00216	JUNCTION	5037.92	15.50	0.0	Yes
SS00217	JUNCTION	5035.88	11.12	0.0	Yes
SS00218	JUNCTION	5033.45	11.19	0.0	Yes
SS00219	JUNCTION	5027.09	11.10	0.0	Yes
SS00220	JUNCTION	5028.65	10.69	0.0	Yes
SS00221	JUNCTION	5027.15	10.61	0.0	
SS00222	JUNCTION	5017.24	19.52	0.0	
SS00223	JUNCTION	5021.97	9.16	0.0	Yes
SS00224	JUNCTION	5016.93	9.30	0.0	Yes
SS00225	JUNCTION	5016.83	9.33	0.0	Yes
SS00226	JUNCTION	5015.28	11.65	0.0	
SS00227	JUNCTION	5021.23	9.03	0.0	Yes
SS00228	JUNCTION	5019.71	10.78	0.0	Yes

SS00229	JUNCTION	5018.35	12.96	0.0	Yes
SS00230	JUNCTION	5016.25	13.99	0.0	Yes
SS00231	JUNCTION	5013.02	9.44	0.0	Yes
SS00232	JUNCTION	5009.04	9.63	0.0	Yes
SS00233	JUNCTION	5011.21	14.70	0.0	Yes
SS00234	JUNCTION	5013.58	12.39	0.0	Yes
SS00235	JUNCTION	5019.05	9.22	0.0	Yes
SS00236	JUNCTION	5016.21	9.51	0.0	Yes
SS00237	JUNCTION	5013.83	9.87	0.0	Yes
SS00238	JUNCTION	5010.99	10.15	0.0	Yes
SS00239	JUNCTION	5007.70	11.44	0.0	
SS00240	JUNCTION	4961.31	12.42	0.0	
SS00241	JUNCTION	4971.92	15.40	0.0	
SS00242	JUNCTION	4972.43	9.11	0.0	Yes
SS00243	JUNCTION	5041.07	12.59	0.0	Yes
SS00244	JUNCTION	5026.28	13.25	0.0	Yes
SS00245	JUNCTION	5024.21	13.91	0.0	Yes
SS00246	JUNCTION	5020.72	14.15	0.0	Yes
SS00247	JUNCTION	5015.88	12.67	0.0	
SS00248	JUNCTION	5020.55	11.70	0.0	Yes
SS00249	JUNCTION	5022.82	11.44	0.0	Yes
SS00250	JUNCTION	5024.48	10.84	0.0	Yes
SS00251	JUNCTION	5036.51	9.98	0.0	Yes
SS00252	JUNCTION	5014.85	5.39	0.0	Yes
SS00253	JUNCTION	5013.07	9.75	0.0	Yes
SS00254	JUNCTION	5011.50	11.81	0.0	
SS00255	JUNCTION	5017.71	6.95	0.0	Yes
SS00256	JUNCTION	4999.61	10.55	0.0	Yes
SS00257	JUNCTION	5005.52	7.17	0.0	Yes
SS00258	JUNCTION	5008.45	6.93	0.0	Yes
SS00259	JUNCTION	5011.91	8.15	0.0	Yes
SS00260	JUNCTION	5019.76	8.35	0.0	
SS00261	JUNCTION	5029.77	7.96	0.0	
SS00262	JUNCTION	5035.67	10.03	0.0	Yes
SS00263	JUNCTION	5001.50	9.93	0.0	Yes
SS00264	JUNCTION	5003.27	7.85	0.0	Yes
SS00265	JUNCTION	5009.16	6.50	0.0	
SS00266	JUNCTION	4994.66	6.31	0.0	Yes
SS00267	JUNCTION	4993.56	6.76	0.0	
SS00268	JUNCTION	4993.22	7.48	0.0	Yes
SS00269	JUNCTION	4991.91	9.55	0.0	Yes
SS00270	JUNCTION	4989.87	10.93	0.0	
SS00271	JUNCTION	4989.11	10.90	0.0	
SS00272	JUNCTION	4984.05	5.87	0.0	Yes
SS00273	JUNCTION	4979.37	5.25	0.0	Yes
SS00274	JUNCTION	4974.73	7.40	0.0	
SS00275	JUNCTION	4972.87	5.83	0.0	
SS00276	JUNCTION	4980.33	6.39	0.0	
SS00277	JUNCTION	4983.56	5.57	0.0	
SS00278	JUNCTION	4986.58	6.67	0.0	Yes
SS00279	JUNCTION	4992.32	6.93	0.0	Yes
SS00280	JUNCTION	4996.40	7.33	0.0	Yes
SS00281	JUNCTION	4997.66	7.89	0.0	Yes
SS00282	JUNCTION	5076.86	12.60	0.0	Yes
SS00283	JUNCTION	4951.43	12.43	0.0	Yes
SS00284	JUNCTION	4963.36	13.11	0.0	
SS00285	JUNCTION	4914.35	9.65	0.0	
SS00286	JUNCTION	5040.27	13.15	0.0	
SS00287	JUNCTION	5039.19	12.30	0.0	
SS00288	JUNCTION	5038.08	7.74	0.0	
SS00289	JUNCTION	5036.57	10.60	0.0	
SS00290	JUNCTION	5036.13	13.26	0.0	
SS00291	JUNCTION	5030.11	15.60	0.0	

SS00292	JUNCTION	4955.42	9.81	0.0	
SS00293	JUNCTION	4951.31	8.69	0.0	
SS00294	JUNCTION	4943.42	11.16	0.0	
SS00295	JUNCTION	4942.19	9.21	0.0	
SS00296	JUNCTION	4935.17	6.18	0.0	
SS00297	JUNCTION	4932.78	7.06	0.0	
SS00298	JUNCTION	4930.05	6.71	0.0	
SS00299	JUNCTION	4927.02	5.78	0.0	
SS00300	JUNCTION	4923.74	5.54	0.0	
SS00301	JUNCTION	4923.10	6.27	0.0	
SS00302	JUNCTION	4922.38	10.90	0.0	
SS00303	JUNCTION	4967.65	4.36	0.0	
SS00304	JUNCTION	4953.25	10.43	0.0	Yes
SS00305	JUNCTION	4947.11	9.61	0.0	
SS00306	JUNCTION	4943.16	9.56	0.0	Yes
SS00307	JUNCTION	4939.16	6.60	0.0	
SS00308	JUNCTION	4934.82	6.36	0.0	
SS00309	JUNCTION	4932.44	7.54	0.0	
SS00310	JUNCTION	4930.62	7.57	0.0	
SS00311	JUNCTION	4922.16	14.49	0.0	
SS00312	JUNCTION	4921.62	10.49	0.0	
SS00313	JUNCTION	4921.18	9.03	0.0	
SS00314	JUNCTION	4920.82	9.01	0.0	
SS00315	JUNCTION	4919.52	11.77	0.0	Yes
SSC00001	JUNCTION	5018.51	6.85	0.0	Yes
SSC00002	JUNCTION	5011.26	4.86	0.0	Yes
SSC00003	JUNCTION	5004.62	5.82	0.0	Yes
SSC00004	JUNCTION	5017.70	12.16	0.0	
SSC00005	JUNCTION	5026.83	19.17	0.0	Yes
SSC00006	JUNCTION	5013.35	11.65	0.0	Yes
SSC00007	JUNCTION	5045.31	12.69	0.0	
SS00203E	JUNCTION	5043.32	11.46	0.0	Yes
SS00203N	JUNCTION	5043.42	11.36	0.0	Yes
SS00316	JUNCTION	5032.01	11.99	0.0	Yes
SS00317	JUNCTION	4956.74	11.26	0.0	
LS00001	JUNCTION	5005.05	11.87	0.0	
WWTF00001	OUTFALL	4914.25	1.75	0.0	

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Link Summary
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Name	From Node	To Node	Type	Length	%Slope	Roughness
SS00001-SS00002	SS00001	SS00002	CONDUIT	155.0	0.7613	0.0100
SS00002-SS00003	SS00002	SS00003	CONDUIT	169.3	0.5375	0.0100
SS00003-SS00004	SS00003	SS00004	CONDUIT	134.5	0.9145	0.0100
SS00004-SS00005	SS00004	SS00005	CONDUIT	186.1	2.7415	0.0100
SS00005-SS00006	SS00005	SS00006	CONDUIT	399.3	0.8966	0.0100
SS00006-SS00007	SS00006	SS00007	CONDUIT	121.0	0.3058	0.0100
SS00007-SS00008	SS00007	SS00008	CONDUIT	118.9	0.5887	0.0100
SS00008-SS00009	SS00008	SS00009	CONDUIT	143.5	1.6169	0.0100

SS00009-SS00012	SS00009	SS00012	CONDUIT	154.7	1.6292	0.0100
SS00010-SS00009	SS00010	SS00009	CONDUIT	245.1	1.0160	0.0100
SS00011-SS00010	SS00011	SS00010	CONDUIT	236.6	0.9172	0.0100
SS00012-SS00013	SS00012	SS00013	CONDUIT	125.7	4.7149	0.0100
SS00013-SS00014	SS00013	SS00014	CONDUIT	197.7	0.4552	0.0100
SS00014-SS00015	SS00014	SS00015	CONDUIT	129.0	2.0625	0.0100
SS00015-SS00016	SS00015	SS00016	CONDUIT	104.1	0.3170	0.0100
SS00016-SS00017	SS00016	SS00017	CONDUIT	168.6	0.3559	0.0100
SS00017-SS00032	SS00017	SS00032	CONDUIT	141.6	0.4873	0.0100
SS00018-SS00017	SS00018	SS00017	CONDUIT	210.4	0.5466	0.0100
SS00019-SS00020	SS00019	SS00020	CONDUIT	109.4	0.6033	0.0100
SS00020-SS00021	SS00020	SS00021	CONDUIT	224.8	3.4184	0.0100
SS00021-SS00022	SS00021	SS00022	CONDUIT	261.0	2.2381	0.0100
SS00022-SS00023	SS00022	SS00023	CONDUIT	142.9	0.3639	0.0100
SS00023-SS00024	SS00023	SS00024	CONDUIT	205.9	0.3983	0.0100
SS00024-SS00025	SS00024	SS00025	CONDUIT	297.6	0.3360	0.0100
SS00025-SS00026	SS00025	SS00026	CONDUIT	296.3	0.8944	0.0100
SS00026-SS00027	SS00026	SS00027	CONDUIT	230.4	0.4080	0.0100
SS00027-SS00028	SS00027	SS00028	CONDUIT	225.3	0.4794	0.0100
SS00028-SS00029	SS00028	SS00029	CONDUIT	186.3	3.2653	0.0100
SS00029-SS00286	SS00029	SS00286	CONDUIT	223.0	0.1211	0.0100
SS00030-SS00029	SS00030	SS00029	CONDUIT	223.0	0.3767	0.0100
SS00031-SS00030	SS00031	SS00030	CONDUIT	91.9	0.3917	0.0100
SS00032-SS00031	SS00032	SS00031	CONDUIT	94.3	0.3075	0.0100
SS00033-SS00034	SS00033	SS00034	CONDUIT	107.3	0.2423	0.0100
SS00034-SS00035	SS00034	SS00035	CONDUIT	229.9	0.4393	0.0100
SS00035-SS00036	SS00035	SS00036	CONDUIT	397.8	0.3846	0.0100
SS00036-SS00037	SS00036	SS00037	CONDUIT	399.3	0.3882	0.0100
SS00037-SS00038	SS00037	SS00038	CONDUIT	97.4	0.5339	0.0100
SS00038-SS00039	SS00038	SS00039	CONDUIT	129.4	0.3787	0.0100
SS00039-SS00040	SS00039	SS00040	CONDUIT	102.9	0.4179	0.0100
SS00040-SS00041	SS00040	SS00041	CONDUIT	103.3		

0.3291	0.0100				
SS00041-SS00029	SS00041	SS00029	CONDUIT	165.4	
3.1697	0.0100				
SS00042-SS00043	SS00042	SS00043	CONDUIT	173.5	
1.3085	0.0100				
SS00043-SS00044	SS00043	SS00044	CONDUIT	246.5	
0.4544	0.0100				
SS00044-SS00045	SS00044	SS00045	CONDUIT	298.1	
1.6607	0.0100				
SS00045-SS00316	SS00045	SS00316	CONDUIT	278.0	
0.6259	0.0100				
SS00046-SS00049	SS00046	SS00049	CONDUIT	339.1	
1.2328	0.0100				
SS00047-SS00048	SS00047	SS00048	CONDUIT	242.8	
0.4984	0.0100				
SS00048-SS00049	SS00048	SS00049	CONDUIT	297.0	
0.4680	0.0100				
SS00049-SS00050	SS00049	SS00050	CONDUIT	230.6	
0.4727	0.0100				
SS00050-SS00051	SS00050	SS00051	CONDUIT	229.6	
0.5836	0.0100				
SS00051-SS00052	SS00051	SS00052	CONDUIT	181.4	
0.5733	0.0100				
SS00052-SS00060	SS00052	SS00060	CONDUIT	181.8	
1.0782	0.0100				
SS00053-SS00242	SS00053	SS00242	CONDUIT	185.3	
0.0917	0.0100				
SS00054-SS00053	SS00054	SS00053	CONDUIT	198.2	
3.5997	0.0100				
SS00055-SS00054	SS00055	SS00054	CONDUIT	224.2	
5.2839	0.0100				
SS00056-SS00055	SS00056	SS00055	CONDUIT	220.8	
3.8071	0.0100				
SS00057-SS00056	SS00057	SS00056	CONDUIT	307.9	
0.8737	0.0100				
SS00058-SS00057	SS00058	SS00057	CONDUIT	253.8	
0.6738	0.0100				
SS00059-SS00058	SS00059	SS00058	CONDUIT	253.8	
2.2307	0.0100				
SS00060-SS00059	SS00060	SS00059	CONDUIT	257.1	
2.6886	0.0100				
SS00061-SS00062	SS00061	SS00062	CONDUIT	270.1	
1.6848	0.0100				
SS00062-SS00063	SS00062	SS00063	CONDUIT	408.1	
2.0686	0.0100				
SS00063-SS00064	SS00063	SS00064	CONDUIT	390.7	
3.0934	0.0100				
SS00064-SS00065	SS00064	SS00065	CONDUIT	355.9	
0.9582	0.0100				
SS00065-SS00112	SS00065	SS00112	CONDUIT	119.7	
0.6600	0.0100				
SS00066-SS00067	SS00066	SS00067	CONDUIT	235.4	
1.0536	0.0100				
SS00067-SS00068	SS00067	SS00068	CONDUIT	281.9	
0.7237	0.0100				
SS00068-SS00069	SS00068	SS00069	CONDUIT	281.2	
0.7539	0.0100				
SS00069-SS00076	SS00069	SS00076	CONDUIT	76.8	
1.0547	0.0100				
SS00070-SS00073	SS00070	SS00073	CONDUIT	124.9	
0.8487	0.0100				
SS00071-SS00072	SS00071	SS00072	CONDUIT	218.9	
0.6807	0.0100				

SS00072-SS00073	SS00072	SS00073	CONDUIT	240.7	
0.8102	0.0100				
SS00073-SS00074	SS00073	SS00074	CONDUIT	161.3	
1.4633	0.0100				
SS00074-SS00075	SS00074	SS00075	CONDUIT	284.1	
1.4644	0.0100				
SS00075-SS00076	SS00075	SS00076	CONDUIT	124.7	
1.8046	0.0100				
SS00076-SS00077	SS00076	SS00077	CONDUIT	209.1	
1.5832	0.0100				
SS00077-SS00078	SS00077	SS00078	CONDUIT	228.5	
1.7070	0.0100				
SS00078-SS00079	SS00078	SS00079	CONDUIT	125.0	
1.5762	0.0100				
SS00079-SS00081	SS00079	SS00081	CONDUIT	218.1	
1.6921	0.0100				
SS00080-SS00079	SS00080	SS00079	CONDUIT	297.2	
0.7840	0.0100				
SS00081-SS00082	SS00081	SS00082	CONDUIT	216.3	
1.1235	0.0100				
SS00082-SS00083	SS00082	SS00083	CONDUIT	105.6	
0.5019	0.0100				
SS00083-SS00086	SS00083	SS00086	CONDUIT	174.4	
0.5619	0.0100				
SS00084-SS00085	SS00084	SS00085	CONDUIT	263.6	
0.7132	0.0100				
SS00085-SS00087	SS00085	SS00087	CONDUIT	212.8	
0.4558	0.0100				
SS00086-SS00085	SS00086	SS00085	CONDUIT	98.6	
0.6390	0.0100				
SS00087-SS00088	SS00087	SS00088	CONDUIT	211.5	
0.4681	0.0100				
SS00088-SS00099	SS00088	SS00099	CONDUIT	126.2	
0.4596	0.0100				
SS00089-SS00090	SS00089	SS00090	CONDUIT	106.8	
2.4071	0.0100				
SS00090-SS00091	SS00090	SS00091	CONDUIT	175.0	
3.2932	0.0100				
SS00091-SS00092	SS00091	SS00092	CONDUIT	176.1	
3.1247	0.0100				
SS00092-SS00093	SS00092	SS00093	CONDUIT	312.6	
0.9821	0.0100				
SS00093-SS00094	SS00093	SS00094	CONDUIT	245.9	
0.8296	0.0100				
SS00094-SS00095	SS00094	SS00095	CONDUIT	201.0	
0.8209	0.0100				
SS00095-SS00097	SS00095	SS00097	CONDUIT	233.8	
1.4244	0.0100				
SS00096-SS00095	SS00096	SS00095	CONDUIT	362.2	
1.3281	0.0100				
SS00097-SS00098	SS00097	SS00098	CONDUIT	237.1	
1.6746	0.0100				
SS00098-SS00099	SS00098	SS00099	CONDUIT	213.0	
4.2809	0.0100				
SS00099-SS00100	SS00099	SS00100	CONDUIT	82.8	
2.0415	0.0100				
SS00100-SS00101	SS00100	SS00101	CONDUIT	254.0	
2.2171	0.0100				
SS00101-SS00053	SS00101	SS00053	CONDUIT	310.9	
0.3409	0.0100				
SS00102-SS00285	SS00102	SS00285	CONDUIT	768.4	
0.0703	0.0100				
SS00103-SS00102	SS00103	SS00102	CONDUIT	528.9	

0.1229	0.0100				
SS00104-SS00103	SS00104	SS00103	CONDUIT	172.6	
0.1506	0.0100				
SS00105-SS00104	SS00105	SS00104	CONDUIT	201.1	
0.0796	0.0100				
SS00106-SS00105	SS00106	SS00105	CONDUIT	133.1	
0.1953	0.0100				
SS00107-SS00106	SS00107	SS00106	CONDUIT	242.2	
0.1115	0.0100				
SS00108-SS00107	SS00108	SS00107	CONDUIT	241.6	
0.0745	0.0100				
SS00109-SS00108	SS00109	SS00108	CONDUIT	234.0	
0.0470	0.0100				
SS00110-SS00109	SS00110	SS00109	CONDUIT	16.8	
0.1786	0.0100				
SS00111-SS00110	SS00111	SS00110	CONDUIT	421.7	
0.0640	0.0100				
SS00112-SS00113	SS00112	SS00113	CONDUIT	22.5	
3.6914	0.0100				
SS00113-SS00114	SS00113	SS00114	CONDUIT	259.0	
1.5600	0.0100				
SS00114-SS00115	SS00114	SS00115	CONDUIT	255.4	
1.9542	0.0100				
SS00115-SS00116	SS00115	SS00116	CONDUIT	190.8	
2.0182	0.0100				
SS00116-SS00117	SS00116	SS00117	CONDUIT	195.6	
1.8920	0.0100				
SS00117-SS00118	SS00117	SS00118	CONDUIT	173.0	
1.6418	0.0100				
SS00118-SS00119	SS00118	SS00119	CONDUIT	91.5	
2.9412	0.0100				
SS00119-SS00120	SS00119	SS00120	CONDUIT	80.7	
2.2558	0.0100				
SS00120-SS00121	SS00120	SS00121	CONDUIT	65.1	
5.0756	0.0100				
SS00121-SS00122	SS00121	SS00122	CONDUIT	148.9	
4.6120	0.0100				
SS00122-SS00123	SS00122	SS00123	CONDUIT	333.5	
0.4438	0.0100				
SS00123-SS00183	SS00123	SS00183	CONDUIT	213.5	
3.9609	0.0100				
SS00124-SS00123	SS00124	SS00123	CONDUIT	41.2	
0.6068	0.0100				
SS00125-SS00284	SS00125	SS00284	CONDUIT	108.9	
4.9095	0.0100				
SS00126-SS00125	SS00126	SS00125	CONDUIT	200.9	
3.7757	0.0100				
SS00127-SS00126	SS00127	SS00126	CONDUIT	93.7	
1.6224	0.0100				
SS00128-SS00127	SS00128	SS00127	CONDUIT	36.4	
1.5112	0.0100				
SS00129-SS00128	SS00129	SS00128	CONDUIT	188.0	
1.2873	0.0100				
SS00130-SS00129	SS00130	SS00129	CONDUIT	46.0	
0.7826	0.0100				
SS00131-SS00130	SS00131	SS00130	CONDUIT	42.7	
0.8197	0.0100				
SS00132-SS00131	SS00132	SS00131	CONDUIT	202.8	
0.6558	0.0100				
SS00133-SS00126	SS00133	SS00126	CONDUIT	192.8	
1.1048	0.0100				
SS00134-SS00133	SS00134	SS00133	CONDUIT	111.6	
1.0664	0.0100				

SS00135-SS00134	SS00135	SS00134	CONDUIT	258.3	0.9369	0.0100
SS00136-SS00135	SS00136	SS00135	CONDUIT	377.6	1.0144	0.0100
SS00137-SS00284	SS00137	SS00284	CONDUIT	233.6	2.0638	0.0100
SS00138-SS00139	SS00138	SS00139	CONDUIT	121.3	1.8057	0.0100
SS00139-SS00140	SS00139	SS00140	CONDUIT	106.7	1.9591	0.0100
SS00140-SS00141	SS00140	SS00141	CONDUIT	121.0	1.6200	0.0100
SS00141-SS00142	SS00141	SS00142	CONDUIT	100.7	1.9368	0.0100
SS00142-SS00143	SS00142	SS00143	CONDUIT	207.6	1.8356	0.0100
SS00143-SS00144	SS00143	SS00144	CONDUIT	114.9	1.5929	0.0100
SS00144-SS00120	SS00144	SS00120	CONDUIT	102.8	1.4982	0.0100
SS00145-SS00152	SS00145	SS00152	CONDUIT	210.9	2.5186	0.0100
SS00146-SS00147	SS00146	SS00147	CONDUIT	195.3	0.5172	0.0100
SS00147-SS00148	SS00147	SS00148	CONDUIT	42.2	0.3555	0.0100
SS00148-SS00149	SS00148	SS00149	CONDUIT	74.4	0.9947	0.0100
SS00149-SS00150	SS00149	SS00150	CONDUIT	335.2	1.6888	0.0100
SS00150-SS00161	SS00150	SS00161	CONDUIT	138.4	0.4480	0.0100
SS00151-SS00150	SS00151	SS00150	CONDUIT	58.9	0.3226	0.0100
SS00152-SS00151	SS00152	SS00151	CONDUIT	82.9	3.3795	0.0100
SS00153-SS00151	SS00153	SS00151	CONDUIT	58.3	0.7033	0.0100
SS00154-SS00153	SS00154	SS00153	CONDUIT	264.8	0.3852	0.0100
SS00155-SS00154	SS00155	SS00154	CONDUIT	124.0	1.0323	0.0100
SS00156-SS00157	SS00156	SS00157	CONDUIT	97.0	2.6091	0.0100
SS00157-SS00158	SS00157	SS00158	CONDUIT	348.8	2.7706	0.0100
SS00158-SS00154	SS00158	SS00154	CONDUIT	344.4	3.0095	0.0100
SS00159-SS00154	SS00159	SS00154	CONDUIT	240.2	0.4496	0.0100
SS00160-SS00159	SS00160	SS00159	CONDUIT	270.7	0.5024	0.0100
SS00161-SS00162	SS00161	SS00162	CONDUIT	38.5	0.1039	0.0100
SS00162-SS00184	SS00162	SS00184	CONDUIT	400.2	0.3473	0.0100
SS00163-SS00164	SS00163	SS00164	CONDUIT	378.3	1.3403	0.0100
SS00164-SS00165	SS00164	SS00165	CONDUIT	399.7	1.1609	0.0100
SS00165-SS00166	SS00165	SS00166	CONDUIT	399.0	1.2156	0.0100
SS00166-SS00167	SS00166	SS00167	CONDUIT	399.5		

1.7324	0.0100				
SS00167-SS00168	SS00167	SS00168	CONDUIT	400.9	
1.5866	0.0100				
SS00168-SS00169	SS00168	SS00169	CONDUIT	385.0	
1.6158	0.0100				
SS00169-SS00170	SS00169	SS00170	CONDUIT	342.1	
1.8390	0.0100				
SS00170-SS00173	SS00170	SS00173	CONDUIT	64.3	
2.2712	0.0100				
SS00171-SS00170	SS00171	SS00170	CONDUIT	27.9	
0.9678	0.0100				
SS00172-SS00171	SS00172	SS00171	CONDUIT	63.3	
1.1059	0.0100				
SS00173-SS00179	SS00173	SS00179	CONDUIT	179.7	
3.6307	0.0100				
SS00174-SS00172	SS00174	SS00172	CONDUIT	401.4	
0.7300	0.0100				
SS00175-SS00174	SS00175	SS00174	CONDUIT	399.3	
1.2272	0.0100				
SS00176-SS00175	SS00176	SS00175	CONDUIT	382.7	
3.0089	0.0100				
SS00177-SS00176	SS00177	SS00176	CONDUIT	95.8	
2.1090	0.0100				
SS00178-SS00176	SS00178	SS00176	CONDUIT	221.2	
2.2519	0.0100				
SS00179-SS00180	SS00179	SS00180	CONDUIT	123.5	
1.0284	0.0100				
SS00180-SS00296	SS00180	SS00296	CONDUIT	479.7	
0.4294	0.0100				
SS00181-SS00179	SS00181	SS00179	CONDUIT	265.7	
0.0452	0.0100				
SS00182-SS00181	SS00182	SS00181	CONDUIT	376.0	
0.1383	0.0100				
SS00183-SS00182	SS00183	SS00182	CONDUIT	116.2	
0.6455	0.0100				
SS00184-SS00183	SS00184	SS00183	CONDUIT	326.9	
0.4130	0.0100				
SS00185-SS00186	SS00185	SS00186	CONDUIT	276.6	
0.5351	0.0100				
SS00186-SS00187	SS00186	SS00187	CONDUIT	369.7	
0.7114	0.0100				
SS00187-SS00188	SS00187	SS00188	CONDUIT	381.2	
0.8106	0.0100				
SS00188-SS00189	SS00188	SS00189	CONDUIT	140.9	
1.4835	0.0100				
SS00189-SS00190	SS00189	SS00190	CONDUIT	261.6	
1.8505	0.0100				
SS00190-SS00191	SS00190	SS00191	CONDUIT	259.2	
1.6553	0.0100				
SS00191-SS00214	SS00191	SS00214	CONDUIT	285.4	
0.7989	0.0100				
SS00192-SS00191	SS00192	SS00191	CONDUIT	172.4	
0.6265	0.0100				
SS00193-SS00192	SS00193	SS00192	CONDUIT	140.9	
0.8446	0.0100				
SS00194-SS00193	SS00194	SS00193	CONDUIT	120.5	
0.8797	0.0100				
SS00195-SS00194	SS00195	SS00194	CONDUIT	302.3	
0.6451	0.0100				
SS00196-SS00195	SS00196	SS00195	CONDUIT	323.0	
1.7371	0.0100				
SS00197-SS00198	SS00197	SS00198	CONDUIT	195.3	
1.9154	0.0100				

SS00198-SS00199	SS00198	SS00199	CONDUIT	247.0	
0.9960	0.0100				
SS00199-SS00200	SS00199	SS00200	CONDUIT	178.0	
0.7528	0.0100				
SS00200-SS00194	SS00200	SS00194	CONDUIT	260.8	
0.5023	0.0100				
SS00201-SS00200	SS00201	SS00200	CONDUIT	268.6	
0.8973	0.0100				
SS00202-SS00201	SS00202	SS00201	CONDUIT	270.1	
0.6479	0.0100				
SS00203E-SS00202	SS00203E	SS00202	CONDUIT	423.8	
0.7386	0.0100				
SS00203N-SS00204	SS00203N	SS00204	CONDUIT	270.0	
0.6593	0.0100				
SS00204-SS00198	SS00204	SS00198	CONDUIT	270.6	
0.7096	0.0100				
SS00205-SS00204	SS00205	SS00204	CONDUIT	154.8	
0.6072	0.0100				
SS00206-SS00207	SS00206	SS00207	CONDUIT	305.0	
1.0197	0.0100				
SS00207-SS00208	SS00207	SS00208	CONDUIT	255.7	
0.9895	0.0100				
SS00208-SS00209	SS00208	SS00209	CONDUIT	262.4	
0.7432	0.0100				
SS00209-SS00210	SS00209	SS00210	CONDUIT	269.0	
1.9148	0.0100				
SS00210-SS00211	SS00210	SS00211	CONDUIT	271.6	
0.4602	0.0100				
SS00211-SS00212	SS00211	SS00212	CONDUIT	325.4	
0.4640	0.0100				
SS00212-SS00222	SS00212	SS00222	CONDUIT	323.5	
1.3788	0.0100				
SS00213-SS00247	SS00213	SS00247	CONDUIT	196.3	
0.2496	0.0100				
SS00214-SS00222	SS00214	SS00222	CONDUIT	268.5	
3.6785	0.0100				
SS00215-SS00214	SS00215	SS00214	CONDUIT	386.2	
2.0020	0.0100				
SS00216-SS00215	SS00216	SS00215	CONDUIT	249.2	
1.1076	0.0100				
SS00217-SS00218	SS00217	SS00218	CONDUIT	308.0	
0.7273	0.0100				
SS00218-SS00209	SS00218	SS00209	CONDUIT	254.8	
0.8949	0.0100				
SS00219-SS00210	SS00219	SS00210	CONDUIT	255.4	
0.4816	0.0100				
SS00220-SS00219	SS00220	SS00219	CONDUIT	306.2	
0.4540	0.0100				
SS00221-SS00210	SS00221	SS00210	CONDUIT	133.0	
1.0828	0.0100				
SS00222-SS00213	SS00222	SS00213	CONDUIT	203.7	
0.1915	0.0100				
SS00223-SS00224	SS00223	SS00224	CONDUIT	369.2	
1.3652	0.0100				
SS00224-SS00225	SS00224	SS00225	CONDUIT	12.3	
0.6504	0.0100				
SS00225-SS00226	SS00225	SS00226	CONDUIT	244.2	
0.5651	0.0100				
SS00226-SS00234	SS00226	SS00234	CONDUIT	285.3	
0.4942	0.0100				
SS00227-SS00226	SS00227	SS00226	CONDUIT	401.4	
1.4252	0.0100				
SS00228-SS00229	SS00228	SS00229	CONDUIT	126.1	

0.7851	0.0100				
SS00229-SS00230	SS00229	SS00230	CONDUIT	399.2	
0.4860	0.0100				
SS00230-SS00231	SS00230	SS00231	CONDUIT	299.9	
1.0771	0.0100				
SS00231-SS00232	SS00231	SS00232	CONDUIT	351.2	
1.0735	0.0100				
SS00232-LS00001	SS00232	LS00001	CONDUIT	40.6	
9.8754	0.0100				
SS00233-SS00232	SS00233	SS00232	CONDUIT	294.3	
0.7238	0.0100				
SS00234-SS00233	SS00234	SS00233	CONDUIT	399.6	
0.5606	0.0100				
SS00235-SS00236	SS00235	SS00236	CONDUIT	293.4	
0.8657	0.0100				
SS00236-SS00237	SS00236	SS00237	CONDUIT	295.4	
0.6703	0.0100				
SS00237-SS00238	SS00237	SS00238	CONDUIT	398.3	
0.6277	0.0100				
SS00238-SS00239	SS00238	SS00239	CONDUIT	242.1	
1.1938	0.0100				
SS00239-LS00001	SS00239	LS00001	CONDUIT	323.7	
0.8187	0.0100				
SS00240-SS00292	SS00240	SS00292	CONDUIT	230.2	
2.4682	0.0100				
SS00241-SS00240	SS00241	SS00240	CONDUIT	86.5	
3.1113	0.0100				
SS00242-SS00241	SS00242	SS00241	CONDUIT	232.6	
0.2193	0.0100				
SS00243-SS00244	SS00243	SS00244	CONDUIT	304.3	
4.8100	0.0100				
SS00244-SS00245	SS00244	SS00245	CONDUIT	292.4	
0.6601	0.0100				
SS00245-SS00246	SS00245	SS00246	CONDUIT	408.3	
0.7911	0.0100				
SS00246-SS00213	SS00246	SS00213	CONDUIT	426.8	
0.9208	0.0100				
SS00247-SS00252	SS00247	SS00252	CONDUIT	390.1	
0.2102	0.0100				
SS00248-SS00247	SS00248	SS00247	CONDUIT	400.1	
1.0248	0.0100				
SS00249-SS00248	SS00249	SS00248	CONDUIT	386.3	
0.5100	0.0100				
SS00250-SS00249	SS00250	SS00249	CONDUIT	384.6	
0.3952	0.0100				
SS00251-SS00250	SS00251	SS00250	CONDUIT	281.2	
4.2784	0.0100				
SS00252-SS00253	SS00252	SS00253	CONDUIT	386.3	
0.3728	0.0100				
SS00253-SS00254	SS00253	SS00254	CONDUIT	350.4	
0.2854	0.0100				
SS00254-SS00256	SS00254	SS00256	CONDUIT	381.7	
2.9512	0.0100				
SS00255-SS00254	SS00255	SS00254	CONDUIT	399.0	
0.5489	0.0100				
SS00256-SS00270	SS00256	SS00270	CONDUIT	378.8	
2.5246	0.0100				
SS00257-SS00256	SS00257	SS00256	CONDUIT	416.8	
0.8134	0.0100				
SS00258-SS00257	SS00258	SS00257	CONDUIT	378.8	
0.6679	0.0100				
SS00259-SS00258	SS00259	SS00258	CONDUIT	180.5	
1.6290	0.0150				

SS00260-SS00259	SS00260	SS00259	CONDUIT	300.0	
2.5308	0.0150				
SS00261-SS00260	SS00261	SS00260	CONDUIT	300.3	
3.2751	0.0150				
SS00262-SS00261	SS00262	SS00261	CONDUIT	258.8	
2.2339	0.0150				
SS00263-SS00256	SS00263	SS00256	CONDUIT	349.0	
0.3553	0.0150				
SS00264-SS00263	SS00264	SS00263	CONDUIT	400.2	
0.3798	0.0150				
SS00265-SS00264	SS00265	SS00264	CONDUIT	210.1	
2.7283	0.0150				
SS00266-SS00267	SS00266	SS00267	CONDUIT	273.9	
0.4016	0.0150				
SS00267-SS00268	SS00267	SS00268	CONDUIT	109.9	
0.1729	0.0100				
SS00268-SS00269	SS00268	SS00269	CONDUIT	287.0	
0.3798	0.0100				
SS00269-SS00270	SS00269	SS00270	CONDUIT	345.3	
0.5329	0.0100				
SS00270-SS00271	SS00270	SS00271	CONDUIT	42.5	
1.2236	0.0100				
SS00271-SS00277	SS00271	SS00277	CONDUIT	330.0	
1.6760	0.0100				
SS00272-SS00273	SS00272	SS00273	CONDUIT	275.1	
1.7014	0.0150				
SS00273-SS00274	SS00273	SS00274	CONDUIT	382.5	
0.6222	0.0150				
SS00274-SS00275	SS00274	SS00275	CONDUIT	136.1	
1.1242	0.0100				
SS00275-SS00303	SS00275	SS00303	CONDUIT	342.0	
1.3919	0.0100				
SS00276-SS00274	SS00276	SS00274	CONDUIT	247.3	
2.1639	0.0100				
SS00277-SS00276	SS00277	SS00276	CONDUIT	129.1	
2.2934	0.0100				
SS00278-SS00277	SS00278	SS00277	CONDUIT	409.1	
0.7016	0.0100				
SS00279-SS00278	SS00279	SS00278	CONDUIT	357.8	
1.5346	0.0150				
SS00280-SS00279	SS00280	SS00279	CONDUIT	175.2	
2.3522	0.0150				
SS00281-SS00280	SS00281	SS00280	CONDUIT	317.8	
0.3965	0.0150				
SS00282-SS00001	SS00282	SS00001	CONDUIT	211.6	
1.1579	0.0100				
SS00283-SS00123	SS00283	SS00123	CONDUIT	138.2	
0.6802	0.0100				
SS00284-SS00124	SS00284	SS00124	CONDUIT	260.2	
4.7093	0.0100				
SS00285-WWTF00001	SS00285	WWTF00001	CONDUIT	99.7	
0.1003	0.0100				
SS00286-SS00287	SS00286	SS00287	CONDUIT	258.8	
0.3632	0.0100				
SS00287-SS00288	SS00287	SS00288	CONDUIT	381.9	
0.2330	0.0100				
SS00288-SS00289	SS00288	SS00289	CONDUIT	391.2	
0.3298	0.0100				
SS00289-SS00290	SS00289	SS00290	CONDUIT	97.7	
0.4401	0.0100				
SS00290-SS00291	SS00290	SS00291	CONDUIT	399.1	
1.4885	0.0100				
SS00291-SS00047	SS00291	SS00047	CONDUIT	229.3	

0.5757	0.0100				
SS00292-SS00293	SS00292	SS00293	CONDUIT	343.7	
1.1522	0.0100				
SS00293-SS00294	SS00293	SS00294	CONDUIT	348.9	
2.2505	0.0100				
SS00294-SS00295	SS00294	SS00295	CONDUIT	383.9	
0.3048	0.0100				
SS00295-SS00182	SS00295	SS00182	CONDUIT	388.3	
0.5434	0.0100				
SS00296-SS00297	SS00296	SS00297	CONDUIT	148.7	
1.5200	0.0100				
SS00297-SS00298	SS00297	SS00298	CONDUIT	225.3	
1.1763	0.0100				
SS00298-SS00299	SS00298	SS00299	CONDUIT	418.3	
0.6455	0.0100				
SS00299-SS00300	SS00299	SS00300	CONDUIT	418.2	
0.7819	0.0100				
SS00300-SS00301	SS00300	SS00301	CONDUIT	219.8	
0.1729	0.0100				
SS00301-SS00302	SS00301	SS00302	CONDUIT	368.5	
0.1357	0.0100				
SS00302-SS00311	SS00302	SS00311	CONDUIT	212.2	
0.0424	0.0100				
SS00303-SS00317	SS00303	SS00317	CONDUIT	260.7	
1.9951	0.0100				
SS00304-SS00305	SS00304	SS00305	CONDUIT	246.2	
2.4581	0.0100				
SS00305-SS00306	SS00305	SS00306	CONDUIT	371.2	
1.0130	0.0100				
SS00306-SS00307	SS00306	SS00307	CONDUIT	403.7	
0.9884	0.0100				
SS00307-SS00308	SS00307	SS00308	CONDUIT	408.4	
1.0407	0.0100				
SS00308-SS00309	SS00308	SS00309	CONDUIT	211.3	
0.9371	0.0100				
SS00309-SS00310	SS00309	SS00310	CONDUIT	179.8	
0.9511	0.0100				
SS00310-SS00311	SS00310	SS00311	CONDUIT	376.6	
2.1885	0.0100				
SS00311-SS00312	SS00311	SS00312	CONDUIT	220.2	
0.1862	0.0100				
SS00312-SS00313	SS00312	SS00313	CONDUIT	399.7	
0.0926	0.0100				
SS00313-SS00314	SS00313	SS00314	CONDUIT	348.9	
0.1032	0.0100				
SS00314-SS00315	SS00314	SS00315	CONDUIT	402.6	
0.1863	0.0100				
SS00315-SS00111	SS00315	SS00111	CONDUIT	689.3	
0.1161	0.0100				
SSC00001-SS00255	SSC00001	SS00255	CONDUIT	222.0	
0.2883	0.0100				
SSC00002-SS00265	SSC00002	SS00265	CONDUIT	315.4	
0.6500	0.0150				
SSC00003-SS00264	SSC00003	SS00264	CONDUIT	289.6	
0.4385	0.0150				
SSC00004-SS00225	SSC00004	SS00225	CONDUIT	172.5	
0.4928	0.0100				
SSC00005-SS00244	SSC00005	SS00244	CONDUIT	178.9	
0.2012	0.0100				
SSC00006-SS00231	SSC00006	SS00231	CONDUIT	51.2	
0.1953	0.0100				
SSC00007-SS00015	SSC00007	SS00015	CONDUIT	130.5	
0.1533	0.0100				

SS00203N-SSS00203E	SS00203N	SS00203E	CONDUIT	1.0	20.4124 0.0100
SS00316-SS00046	SS00316	SS00046	CONDUIT	284.9	0.6247 0.0100
SS00317-SS00304	SS00317	SS00304	CONDUIT	149.0	2.1007 0.0100
Future_8inch_Pipe	LS00001	SS00163	CONDUIT	1705.8	0.9345 0.0160

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Cross Section Summary
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Conduit	Shape	Full Depth	Full Area	Hyd. Rad.	Max. Width	No. of Barrels	Full Flow
SS00001-SS00002	CIRCULAR	1.00	0.79	0.25	1.00	1	1813.84
SS00002-SS00003	CIRCULAR	1.00	0.79	0.25	1.00	1	1524.10
SS00003-SS00004	CIRCULAR	1.00	0.79	0.25	1.00	1	1988.01
SS00004-SS00005	CIRCULAR	1.00	0.79	0.25	1.00	1	3442.01
SS00005-SS00006	CIRCULAR	1.00	0.79	0.25	1.00	1	1968.42
SS00006-SS00007	CIRCULAR	1.00	0.79	0.25	1.00	1	1149.55
SS00007-SS00008	CIRCULAR	1.00	0.79	0.25	1.00	1	1595.07
SS00008-SS00009	CIRCULAR	1.00	0.79	0.25	1.00	1	2643.41
SS00009-SS00012	CIRCULAR	1.00	0.79	0.25	1.00	1	2653.40
SS00010-SS00009	CIRCULAR	1.00	0.79	0.25	1.00	1	2095.35
SS00011-SS00010	CIRCULAR	1.00	0.79	0.25	1.00	1	1990.90
SS00012-SS00013	CIRCULAR	1.00	0.79	0.25	1.00	1	4513.91
SS00013-SS00014	CIRCULAR	1.00	0.79	0.25	1.00	1	1402.61
SS00014-SS00015	CIRCULAR	1.00	0.79	0.25	1.00	1	2985.45
SS00015-SS00016	CIRCULAR	1.00	0.79	0.25	1.00	1	1170.44
SS00016-SS00017	CIRCULAR	1.00	0.79	0.25	1.00	1	1240.13
SS00017-SS00032	CIRCULAR	1.00	0.79	0.25	1.00	1	1451.15
SS00018-SS00017	CIRCULAR	0.67	0.35	0.17	0.67	1	521.98
SS00019-SS00020	CIRCULAR	0.67	0.35	0.17	0.67	1	548.39
SS00020-SS00021	CIRCULAR	0.67	0.35	0.17	0.67	1	1305.36
SS00021-SS00022	CIRCULAR	0.67	0.35	0.17	0.67	1	1056.24
SS00022-SS00023	CIRCULAR	0.67	0.35	0.17	0.67	1	

425.90						
SS00023-SS00024	CIRCULAR	0.67	0.35	0.17	0.67	1
445.55						
SS00024-SS00025	CIRCULAR	0.83	0.54	0.21	0.83	1
740.27						
SS00025-SS00026	CIRCULAR	0.83	0.54	0.21	0.83	1
1207.73						
SS00026-SS00027	CIRCULAR	0.83	0.54	0.21	0.83	1
815.70						
SS00027-SS00028	CIRCULAR	0.83	0.54	0.21	0.83	1
884.18						
SS00028-SS00029	CIRCULAR	0.83	0.54	0.21	0.83	1
2307.63						
SS00029-SS00286	CIRCULAR	1.00	0.79	0.25	1.00	1
723.35						
SS00030-SS00029	CIRCULAR	1.00	0.79	0.25	1.00	1
1275.87						
SS00031-SS00030	CIRCULAR	1.00	0.79	0.25	1.00	1
1301.11						
SS00032-SS00031	CIRCULAR	1.00	0.79	0.25	1.00	1
1152.82						
SS00033-SS00034	CIRCULAR	0.83	0.54	0.21	0.83	1
628.63						
SS00034-SS00035	CIRCULAR	0.83	0.54	0.21	0.83	1
846.44						
SS00035-SS00036	CIRCULAR	0.83	0.54	0.21	0.83	1
791.99						
SS00036-SS00037	CIRCULAR	0.83	0.54	0.21	0.83	1
795.65						
SS00037-SS00038	CIRCULAR	0.83	0.54	0.21	0.83	1
933.10						
SS00038-SS00039	CIRCULAR	0.83	0.54	0.21	0.83	1
785.85						
SS00039-SS00040	CIRCULAR	0.83	0.54	0.21	0.83	1
825.53						
SS00040-SS00041	CIRCULAR	0.83	0.54	0.21	0.83	1
732.65						
SS00041-SS00029	CIRCULAR	0.83	0.54	0.21	0.83	1
2273.59						
SS00042-SS00043	CIRCULAR	0.67	0.35	0.17	0.67	1
807.61						
SS00043-SS00044	CIRCULAR	0.67	0.35	0.17	0.67	1
475.91						
SS00044-SS00045	CIRCULAR	0.67	0.35	0.17	0.67	1
909.85						
SS00045-SS00316	CIRCULAR	0.67	0.35	0.17	0.67	1
558.55						
SS00046-SS00049	CIRCULAR	0.67	0.35	0.17	0.67	1
783.90						
SS00047-SS00048	CIRCULAR	0.83	0.54	0.21	0.83	1
901.52						
SS00048-SS00049	CIRCULAR	0.83	0.54	0.21	0.83	1
873.65						
SS00049-SS00050	CIRCULAR	0.83	0.54	0.21	0.83	1
877.99						
SS00050-SS00051	CIRCULAR	0.83	0.54	0.21	0.83	1
975.61						
SS00051-SS00052	CIRCULAR	0.83	0.54	0.21	0.83	1
966.96						
SS00052-SS00060	CIRCULAR	0.83	0.54	0.21	0.83	1
1326.02						
SS00053-SS00242	CIRCULAR	1.25	1.23	0.31	1.25	1
1141.65						

SS00054-SS00053	CIRCULAR	1.00	0.79	0.25	1.00	1
3944.13						
SS00055-SS00054	CIRCULAR	1.00	0.79	0.25	1.00	1
4778.54						
SS00056-SS00055	CIRCULAR	1.00	0.79	0.25	1.00	1
4056.16						
SS00057-SS00056	CIRCULAR	1.00	0.79	0.25	1.00	1
1943.11						
SS00058-SS00057	CIRCULAR	1.00	0.79	0.25	1.00	1
1706.38						
SS00059-SS00058	CIRCULAR	1.00	0.79	0.25	1.00	1
3104.81						
SS00060-SS00059	CIRCULAR	1.00	0.79	0.25	1.00	1
3408.67						
SS00061-SS00062	CIRCULAR	0.83	0.54	0.21	0.83	1
1657.60						
SS00062-SS00063	CIRCULAR	0.83	0.54	0.21	0.83	1
1836.70						
SS00063-SS00064	CIRCULAR	0.83	0.54	0.21	0.83	1
2246.06						
SS00064-SS00065	CIRCULAR	0.83	0.54	0.21	0.83	1
1250.05						
SS00065-SS00112	CIRCULAR	0.67	0.35	0.17	0.67	1
573.58						
SS00066-SS00067	CIRCULAR	0.67	0.35	0.17	0.67	1
724.69						
SS00067-SS00068	CIRCULAR	0.67	0.35	0.17	0.67	1
600.61						
SS00068-SS00069	CIRCULAR	0.67	0.35	0.17	0.67	1
613.04						
SS00069-SS00076	CIRCULAR	0.67	0.35	0.17	0.67	1
725.09						
SS00070-SS00073	CIRCULAR	0.67	0.35	0.17	0.67	1
650.43						
SS00071-SS00072	CIRCULAR	0.67	0.35	0.17	0.67	1
582.50						
SS00072-SS00073	CIRCULAR	0.67	0.35	0.17	0.67	1
635.49						
SS00073-SS00074	CIRCULAR	0.67	0.35	0.17	0.67	1
854.05						
SS00074-SS00075	CIRCULAR	0.67	0.35	0.17	0.67	1
854.39						
SS00075-SS00076	CIRCULAR	0.67	0.35	0.17	0.67	1
948.45						
SS00076-SS00077	CIRCULAR	0.67	0.35	0.17	0.67	1
888.35						
SS00077-SS00078	CIRCULAR	0.67	0.35	0.17	0.67	1
922.45						
SS00078-SS00079	CIRCULAR	0.67	0.35	0.17	0.67	1
886.39						
SS00079-SS00081	CIRCULAR	0.67	0.35	0.17	0.67	1
918.41						
SS00080-SS00079	CIRCULAR	0.67	0.35	0.17	0.67	1
625.14						
SS00081-SS00082	CIRCULAR	0.67	0.35	0.17	0.67	1
748.36						
SS00082-SS00083	CIRCULAR	0.67	0.35	0.17	0.67	1
500.18						
SS00083-SS00086	CIRCULAR	0.67	0.35	0.17	0.67	1
529.25						
SS00084-SS00085	CIRCULAR	0.67	0.35	0.17	0.67	1
596.26						
SS00085-SS00087	CIRCULAR	0.67	0.35	0.17	0.67	1

476.68						
SS00086-SS00085	CIRCULAR	0.67	0.35	0.17	0.67	1
564.36						
SS00087-SS00088	CIRCULAR	0.67	0.35	0.17	0.67	1
483.04						
SS00088-SS00099	CIRCULAR	0.67	0.35	0.17	0.67	1
478.64						
SS00089-SS00090	CIRCULAR	0.67	0.35	0.17	0.67	1
1095.38						
SS00090-SS00091	CIRCULAR	0.67	0.35	0.17	0.67	1
1281.24						
SS00091-SS00092	CIRCULAR	0.67	0.35	0.17	0.67	1
1248.04						
SS00092-SS00093	CIRCULAR	0.67	0.35	0.17	0.67	1
699.69						
SS00093-SS00094	CIRCULAR	0.67	0.35	0.17	0.67	1
643.08						
SS00094-SS00095	CIRCULAR	0.67	0.35	0.17	0.67	1
639.69						
SS00095-SS00097	CIRCULAR	0.67	0.35	0.17	0.67	1
842.64						
SS00096-SS00095	CIRCULAR	0.67	0.35	0.17	0.67	1
813.65						
SS00097-SS00098	CIRCULAR	0.67	0.35	0.17	0.67	1
913.65						
SS00098-SS00099	CIRCULAR	0.67	0.35	0.17	0.67	1
1460.79						
SS00099-SS00100	CIRCULAR	0.83	0.54	0.21	0.83	1
1824.64						
SS00100-SS00101	CIRCULAR	0.83	0.54	0.21	0.83	1
1901.50						
SS00101-SS00053	CIRCULAR	0.67	0.35	0.17	0.67	1
412.25						
SS00102-SS00285	CIRCULAR	1.75	2.41	0.44	1.75	1
2450.88						
SS00103-SS00102	CIRCULAR	1.75	2.41	0.44	1.75	1
3241.08						
SS00104-SS00103	CIRCULAR	1.75	2.41	0.44	1.75	1
3588.28						
SS00105-SS00104	CIRCULAR	1.75	2.41	0.44	1.75	1
2607.80						
SS00106-SS00105	CIRCULAR	1.75	2.41	0.44	1.75	1
4086.18						
SS00107-SS00106	CIRCULAR	1.75	2.41	0.44	1.75	1
3086.84						
SS00108-SS00107	CIRCULAR	1.75	2.41	0.44	1.75	1
2523.52						
SS00109-SS00108	CIRCULAR	1.75	2.41	0.44	1.75	1
2004.51						
SS00110-SS00109	CIRCULAR	1.75	2.41	0.44	1.75	1
3906.84						
SS00111-SS00110	CIRCULAR	2.50	4.91	0.63	2.50	1
6055.80						
SS00112-SS00113	CIRCULAR	0.67	0.35	0.17	0.67	1
1356.49						
SS00113-SS00114	CIRCULAR	0.67	0.35	0.17	0.67	1
881.84						
SS00114-SS00115	CIRCULAR	0.67	0.35	0.17	0.67	1
986.96						
SS00115-SS00116	CIRCULAR	0.67	0.35	0.17	0.67	1
1003.01						
SS00116-SS00117	CIRCULAR	0.67	0.35	0.17	0.67	1
971.13						

SS00117-SS00118	CIRCULAR	0.67	0.35	0.17	0.67	1
904.66						
SS00118-SS00119	CIRCULAR	0.67	0.35	0.17	0.67	1
1210.82						
SS00119-SS00120	CIRCULAR	0.67	0.35	0.17	0.67	1
1060.41						
SS00120-SS00121	CIRCULAR	0.67	0.35	0.17	0.67	1
1590.62						
SS00121-SS00122	CIRCULAR	0.67	0.35	0.17	0.67	1
1516.23						
SS00122-SS00123	CIRCULAR	0.67	0.35	0.17	0.67	1
470.33						
SS00123-SS00183	CIRCULAR	0.83	0.54	0.21	0.83	1
2541.58						
SS00124-SS00123	CIRCULAR	0.67	0.35	0.17	0.67	1
549.98						
SS00125-SS00284	CIRCULAR	0.67	0.35	0.17	0.67	1
1564.37						
SS00126-SS00125	CIRCULAR	0.67	0.35	0.17	0.67	1
1371.89						
SS00127-SS00126	CIRCULAR	0.67	0.35	0.17	0.67	1
899.29						
SS00128-SS00127	CIRCULAR	0.67	0.35	0.17	0.67	1
867.91						
SS00129-SS00128	CIRCULAR	0.67	0.35	0.17	0.67	1
801.06						
SS00130-SS00129	CIRCULAR	0.67	0.35	0.17	0.67	1
624.60						
SS00131-SS00130	CIRCULAR	0.67	0.35	0.17	0.67	1
639.22						
SS00132-SS00131	CIRCULAR	0.67	0.35	0.17	0.67	1
571.76						
SS00133-SS00126	CIRCULAR	0.67	0.35	0.17	0.67	1
742.11						
SS00134-SS00133	CIRCULAR	0.67	0.35	0.17	0.67	1
729.08						
SS00135-SS00134	CIRCULAR	0.67	0.35	0.17	0.67	1
683.40						
SS00136-SS00135	CIRCULAR	0.67	0.35	0.17	0.67	1
711.07						
SS00137-SS00284	CIRCULAR	0.67	0.35	0.17	0.67	1
1014.27						
SS00138-SS00139	CIRCULAR	0.67	0.35	0.17	0.67	1
948.74						
SS00139-SS00140	CIRCULAR	0.67	0.35	0.17	0.67	1
988.22						
SS00140-SS00141	CIRCULAR	0.67	0.35	0.17	0.67	1
898.64						
SS00141-SS00142	CIRCULAR	0.67	0.35	0.17	0.67	1
982.57						
SS00142-SS00143	CIRCULAR	0.67	0.35	0.17	0.67	1
956.55						
SS00143-SS00144	CIRCULAR	0.67	0.35	0.17	0.67	1
891.07						
SS00144-SS00120	CIRCULAR	0.67	0.35	0.17	0.67	1
864.19						
SS00145-SS00152	CIRCULAR	0.67	0.35	0.17	0.67	1
1120.46						
SS00146-SS00147	CIRCULAR	0.67	0.35	0.17	0.67	1
507.73						
SS00147-SS00148	CIRCULAR	0.67	0.35	0.17	0.67	1
420.93						
SS00148-SS00149	CIRCULAR	0.67	0.35	0.17	0.67	1

704.14						
SS00149-SS00150	CIRCULAR	0.67	0.35	0.17	0.67	1
917.50						
SS00150-SS00161	CIRCULAR	0.83	0.54	0.21	0.83	1
854.74						
SS00151-SS00150	CIRCULAR	0.67	0.35	0.17	0.67	1
401.00						
SS00152-SS00151	CIRCULAR	0.67	0.35	0.17	0.67	1
1297.91						
SS00153-SS00151	CIRCULAR	0.67	0.35	0.17	0.67	1
592.08						
SS00154-SS00153	CIRCULAR	0.67	0.35	0.17	0.67	1
438.19						
SS00155-SS00154	CIRCULAR	0.67	0.35	0.17	0.67	1
717.34						
SS00156-SS00157	CIRCULAR	0.67	0.35	0.17	0.67	1
1140.43						
SS00157-SS00158	CIRCULAR	0.67	0.35	0.17	0.67	1
1175.18						
SS00158-SS00154	CIRCULAR	0.67	0.35	0.17	0.67	1
1224.81						
SS00159-SS00154	CIRCULAR	0.67	0.35	0.17	0.67	1
473.42						
SS00160-SS00159	CIRCULAR	0.67	0.35	0.17	0.67	1
500.44						
SS00161-SS00162	CIRCULAR	0.83	0.54	0.21	0.83	1
411.63						
SS00162-SS00184	CIRCULAR	0.83	0.54	0.21	0.83	1
752.62						
SS00163-SS00164	CIRCULAR	0.67	0.35	0.17	0.67	1
817.38						
SS00164-SS00165	CIRCULAR	0.67	0.35	0.17	0.67	1
760.72						
SS00165-SS00166	CIRCULAR	0.67	0.35	0.17	0.67	1
778.43						
SS00166-SS00167	CIRCULAR	0.67	0.35	0.17	0.67	1
929.28						
SS00167-SS00168	CIRCULAR	0.67	0.35	0.17	0.67	1
889.32						
SS00168-SS00169	CIRCULAR	0.67	0.35	0.17	0.67	1
897.46						
SS00169-SS00170	CIRCULAR	0.67	0.35	0.17	0.67	1
957.43						
SS00170-SS00173	CIRCULAR	0.67	0.35	0.17	0.67	1
1064.01						
SS00171-SS00170	CIRCULAR	0.67	0.35	0.17	0.67	1
694.56						
SS00172-SS00171	CIRCULAR	0.67	0.35	0.17	0.67	1
742.47						
SS00173-SS00179	CIRCULAR	0.67	0.35	0.17	0.67	1
1345.28						
SS00174-SS00172	CIRCULAR	0.67	0.35	0.17	0.67	1
603.21						
SS00175-SS00174	CIRCULAR	0.67	0.35	0.17	0.67	1
782.14						
SS00176-SS00175	CIRCULAR	0.67	0.35	0.17	0.67	1
1224.69						
SS00177-SS00176	CIRCULAR	0.67	0.35	0.17	0.67	1
1025.33						
SS00178-SS00176	CIRCULAR	0.67	0.35	0.17	0.67	1
1059.49						
SS00179-SS00180	CIRCULAR	2.00	3.14	0.50	2.00	1
13385.81						

SS00180-SS00296	CIRCULAR	1.25	1.23	0.31	1.25	1
2469.99						
SS00181-SS00179	CIRCULAR	2.00	3.14	0.50	2.00	1
2805.17						
SS00182-SS00181	CIRCULAR	2.00	3.14	0.50	2.00	1
4908.77						
SS00183-SS00182	CIRCULAR	0.83	0.54	0.21	0.83	1
1025.98						
SS00184-SS00183	CIRCULAR	0.83	0.54	0.21	0.83	1
820.67						
SS00185-SS00186	CIRCULAR	0.67	0.35	0.17	0.67	1
516.45						
SS00186-SS00187	CIRCULAR	0.67	0.35	0.17	0.67	1
595.50						
SS00187-SS00188	CIRCULAR	0.67	0.35	0.17	0.67	1
635.67						
SS00188-SS00189	CIRCULAR	0.67	0.35	0.17	0.67	1
859.93						
SS00189-SS00190	CIRCULAR	0.67	0.35	0.17	0.67	1
960.42						
SS00190-SS00191	CIRCULAR	0.67	0.35	0.17	0.67	1
908.37						
SS00191-SS00214	CIRCULAR	0.67	0.35	0.17	0.67	1
631.06						
SS00192-SS00191	CIRCULAR	0.67	0.35	0.17	0.67	1
558.81						
SS00193-SS00192	CIRCULAR	0.67	0.35	0.17	0.67	1
648.85						
SS00194-SS00193	CIRCULAR	0.67	0.35	0.17	0.67	1
662.20						
SS00195-SS00194	CIRCULAR	0.67	0.35	0.17	0.67	1
567.05						
SS00196-SS00195	CIRCULAR	0.67	0.35	0.17	0.67	1
930.54						
SS00197-SS00198	CIRCULAR	0.67	0.35	0.17	0.67	1
977.11						
SS00198-SS00199	CIRCULAR	0.67	0.35	0.17	0.67	1
704.61						
SS00199-SS00200	CIRCULAR	0.67	0.35	0.17	0.67	1
612.59						
SS00200-SS00194	CIRCULAR	0.67	0.35	0.17	0.67	1
500.39						
SS00201-SS00200	CIRCULAR	0.67	0.35	0.17	0.67	1
668.78						
SS00202-SS00201	CIRCULAR	0.67	0.35	0.17	0.67	1
568.31						
SS00203E-SS00202	CIRCULAR	0.67	0.35	0.17	0.67	1
606.76						
SS00203N-SS00204	CIRCULAR	0.67	0.35	0.17	0.67	1
573.26						
SS00204-SS00198	CIRCULAR	0.67	0.35	0.17	0.67	1
594.72						
SS00205-SS00204	CIRCULAR	0.67	0.35	0.17	0.67	1
550.18						
SS00206-SS00207	CIRCULAR	0.67	0.35	0.17	0.67	1
712.95						
SS00207-SS00208	CIRCULAR	0.67	0.35	0.17	0.67	1
702.31						
SS00208-SS00209	CIRCULAR	0.67	0.35	0.17	0.67	1
608.64						
SS00209-SS00210	CIRCULAR	0.67	0.35	0.17	0.67	1
976.98						
SS00210-SS00211	CIRCULAR	0.67	0.35	0.17	0.67	1

478.98						
SS00211-SS00212	CIRCULAR	0.83	0.54	0.21	0.83	1
869.94						
SS00212-SS00222	CIRCULAR	0.83	0.54	0.21	0.83	1
1499.53						
SS00213-SS00247	CIRCULAR	1.00	0.79	0.25	1.00	1
1038.62						
SS00214-SS00222	CIRCULAR	1.00	0.79	0.25	1.00	1
3987.05						
SS00215-SS00214	CIRCULAR	1.00	0.79	0.25	1.00	1
2941.34						
SS00216-SS00215	CIRCULAR	1.00	0.79	0.25	1.00	1
2187.82						
SS00217-SS00218	CIRCULAR	0.67	0.35	0.17	0.67	1
602.11						
SS00218-SS00209	CIRCULAR	0.67	0.35	0.17	0.67	1
667.88						
SS00219-SS00210	CIRCULAR	0.67	0.35	0.17	0.67	1
489.97						
SS00220-SS00219	CIRCULAR	0.67	0.35	0.17	0.67	1
475.69						
SS00221-SS00210	CIRCULAR	0.67	0.35	0.17	0.67	1
734.66						
SS00222-SS00213	CIRCULAR	1.00	0.79	0.25	1.00	1
909.61						
SS00223-SS00224	CIRCULAR	0.67	0.35	0.17	0.67	1
824.95						
SS00224-SS00225	CIRCULAR	0.67	0.35	0.17	0.67	1
569.40						
SS00225-SS00226	CIRCULAR	0.67	0.35	0.17	0.67	1
530.75						
SS00226-SS00234	CIRCULAR	0.67	0.35	0.17	0.67	1
496.34						
SS00227-SS00226	CIRCULAR	0.67	0.35	0.17	0.67	1
842.85						
SS00228-SS00229	CIRCULAR	0.67	0.35	0.17	0.67	1
625.59						
SS00229-SS00230	CIRCULAR	0.67	0.35	0.17	0.67	1
492.19						
SS00230-SS00231	CIRCULAR	0.67	0.35	0.17	0.67	1
732.73						
SS00231-SS00232	CIRCULAR	0.67	0.35	0.17	0.67	1
731.52						
SS00232-LS00001	CIRCULAR	0.67	0.35	0.17	0.67	1
2218.69						
SS00233-SS00232	CIRCULAR	0.67	0.35	0.17	0.67	1
600.65						
SS00234-SS00233	CIRCULAR	0.67	0.35	0.17	0.67	1
528.61						
SS00235-SS00236	CIRCULAR	0.67	0.35	0.17	0.67	1
656.92						
SS00236-SS00237	CIRCULAR	0.67	0.35	0.17	0.67	1
578.03						
SS00237-SS00238	CIRCULAR	0.67	0.35	0.17	0.67	1
559.36						
SS00238-SS00239	CIRCULAR	0.67	0.35	0.17	0.67	1
771.41						
SS00239-LS00001	CIRCULAR	0.67	0.35	0.17	0.67	1
638.82						
SS00240-SS00292	CIRCULAR	1.50	1.77	0.38	1.50	1
9629.03						
SS00241-SS00240	CIRCULAR	1.75	2.41	0.44	1.75	1
16307.70						

SS00242-SS00241	CIRCULAR	1.25	1.23	0.31	1.25	1
1764.92						
SS00243-SS00244	CIRCULAR	0.67	0.35	0.17	0.67	1
1548.44						
SS00244-SS00245	CIRCULAR	0.67	0.35	0.17	0.67	1
573.61						
SS00245-SS00246	CIRCULAR	0.67	0.35	0.17	0.67	1
627.97						
SS00246-SS00213	CIRCULAR	0.67	0.35	0.17	0.67	1
677.51						
SS00247-SS00252	CIRCULAR	1.00	0.79	0.25	1.00	1
953.10						
SS00248-SS00247	CIRCULAR	0.67	0.35	0.17	0.67	1
714.73						
SS00249-SS00248	CIRCULAR	0.67	0.35	0.17	0.67	1
504.19						
SS00250-SS00249	CIRCULAR	0.67	0.35	0.17	0.67	1
443.85						
SS00251-SS00250	CIRCULAR	0.67	0.35	0.17	0.67	1
1460.37						
SS00252-SS00253	CIRCULAR	1.00	0.79	0.25	1.00	1
1269.22						
SS00253-SS00254	CIRCULAR	1.00	0.79	0.25	1.00	1
1110.55						
SS00254-SS00256	CIRCULAR	1.00	0.79	0.25	1.00	1
3571.25						
SS00255-SS00254	CIRCULAR	0.67	0.35	0.17	0.67	1
523.07						
SS00256-SS00270	CIRCULAR	1.00	0.79	0.25	1.00	1
3303.02						
SS00257-SS00256	CIRCULAR	0.67	0.35	0.17	0.67	1
636.74						
SS00258-SS00257	CIRCULAR	0.67	0.35	0.17	0.67	1
577.01						
SS00259-SS00258	CIRCULAR	0.67	0.35	0.17	0.67	1
600.75						
SS00260-SS00259	CIRCULAR	0.67	0.35	0.17	0.67	1
748.79						
SS00261-SS00260	CIRCULAR	0.67	0.35	0.17	0.67	1
851.81						
SS00262-SS00261	CIRCULAR	0.67	0.35	0.17	0.67	1
703.50						
SS00263-SS00256	CIRCULAR	0.67	0.35	0.17	0.67	1
280.56						
SS00264-SS00263	CIRCULAR	0.67	0.35	0.17	0.67	1
290.08						
SS00265-SS00264	CIRCULAR	0.50	0.20	0.13	0.50	1
360.52						
SS00266-SS00267	CIRCULAR	0.50	0.20	0.13	0.50	1
138.32						
SS00267-SS00268	CIRCULAR	0.50	0.20	0.13	0.50	1
136.13						
SS00268-SS00269	CIRCULAR	0.67	0.35	0.17	0.67	1
435.11						
SS00269-SS00270	CIRCULAR	0.67	0.35	0.17	0.67	1
515.39						
SS00270-SS00271	CIRCULAR	1.00	0.79	0.25	1.00	1
2299.54						
SS00271-SS00277	CIRCULAR	1.00	0.79	0.25	1.00	1
2691.25						
SS00272-SS00273	CIRCULAR	0.67	0.35	0.17	0.67	1
613.96						
SS00273-SS00274	CIRCULAR	0.67	0.35	0.17	0.67	1

371.28							
SS00274-SS00275	CIRCULAR	1.00	0.79	0.25	1.00	1	
2204.19							
SS00275-SS00303	CIRCULAR	1.00	0.79	0.25	1.00	1	
2452.62							
SS00276-SS00274	CIRCULAR	1.00	0.79	0.25	1.00	1	
3057.97							
SS00277-SS00276	CIRCULAR	1.00	0.79	0.25	1.00	1	
3148.17							
SS00278-SS00277	CIRCULAR	0.67	0.35	0.17	0.67	1	
591.36							
SS00279-SS00278	CIRCULAR	0.67	0.35	0.17	0.67	1	
583.07							
SS00280-SS00279	CIRCULAR	0.67	0.35	0.17	0.67	1	
721.89							
SS00281-SS00280	CIRCULAR	0.67	0.35	0.17	0.67	1	
296.37							
SS00282-SS00001	CIRCULAR	0.67	0.35	0.17	0.67	1	
759.73							
SS00283-SS00123	CIRCULAR	0.67	0.35	0.17	0.67	1	
582.28							
SS00284-SS00124	CIRCULAR	0.67	0.35	0.17	0.67	1	
1532.14							
SS00285-WWTF00001	CIRCULAR	1.75	2.41	0.44	1.75	1	
2928.01							
SS00286-SS00287	CIRCULAR	0.67	0.35	0.17	0.67	1	
425.50							
SS00287-SS00288	CIRCULAR	0.67	0.35	0.17	0.67	1	
340.83							
SS00288-SS00289	CIRCULAR	0.67	0.35	0.17	0.67	1	
405.43							
SS00289-SS00290	CIRCULAR	0.67	0.35	0.17	0.67	1	
468.39							
SS00290-SS00291	CIRCULAR	0.67	0.35	0.17	0.67	1	
861.38							
SS00291-SS00047	CIRCULAR	0.67	0.35	0.17	0.67	1	
535.68							
SS00292-SS00293	CIRCULAR	1.50	1.77	0.38	1.50	1	
6579.11							
SS00293-SS00294	CIRCULAR	1.50	1.77	0.38	1.50	1	
9194.63							
SS00294-SS00295	CIRCULAR	1.50	1.77	0.38	1.50	1	
3383.61							
SS00295-SS00182	CIRCULAR	1.50	1.77	0.38	1.50	1	
4518.10							
SS00296-SS00297	CIRCULAR	1.25	1.23	0.31	1.25	1	
4646.96							
SS00297-SS00298	CIRCULAR	1.25	1.23	0.31	1.25	1	
4087.92							
SS00298-SS00299	CIRCULAR	1.25	1.23	0.31	1.25	1	
3028.22							
SS00299-SS00300	CIRCULAR	1.25	1.23	0.31	1.25	1	
3332.99							
SS00300-SS00301	CIRCULAR	1.25	1.23	0.31	1.25	1	
1567.20							
SS00301-SS00302	CIRCULAR	1.25	1.23	0.31	1.25	1	
1388.39							
SS00302-SS00311	CIRCULAR	1.25	1.23	0.31	1.25	1	
776.24							
SS00303-SS00317	CIRCULAR	1.00	0.79	0.25	1.00	1	
2936.30							
SS00304-SS00305	CIRCULAR	1.25	1.23	0.31	1.25	1	
5909.41							

SS00305-SS00306	CIRCULAR	1.25	1.23	0.31	1.25	1	3793.55
SS00306-SS00307	CIRCULAR	1.25	1.23	0.31	1.25	1	3747.25
SS00307-SS00308	CIRCULAR	1.25	1.23	0.31	1.25	1	3845.11
SS00308-SS00309	CIRCULAR	1.25	1.23	0.31	1.25	1	3648.69
SS00309-SS00310	CIRCULAR	1.25	1.23	0.31	1.25	1	3675.85
SS00310-SS00311	CIRCULAR	1.25	1.23	0.31	1.25	1	5575.97
SS00311-SS00312	CIRCULAR	1.75	2.41	0.44	1.75	1	3989.36
SS00312-SS00313	CIRCULAR	1.75	2.41	0.44	1.75	1	2812.90
SS00313-SS00314	CIRCULAR	1.75	2.41	0.44	1.75	1	2969.75
SS00314-SS00315	CIRCULAR	1.75	2.41	0.44	1.75	1	3990.38
SS00315-SS00111	CIRCULAR	2.50	4.91	0.63	2.50	1	8153.28
SSC00001-SS00255	CIRCULAR	0.50	0.20	0.13	0.50	1	175.79
SSC00002-SS00265	CIRCULAR	0.50	0.20	0.13	0.50	1	175.97
SSC00003-SS00264	CIRCULAR	0.67	0.35	0.17	0.67	1	311.70
SSC00004-SS00225	CIRCULAR	0.33	0.09	0.08	0.33	1	77.74
SSC00005-SS00244	CIRCULAR	0.67	0.35	0.17	0.67	1	316.71
SSC00006-SS00231	CIRCULAR	0.67	0.35	0.17	0.67	1	312.02
SSC00007-SS00015	CIRCULAR	0.83	0.54	0.21	0.83	1	499.94
SS00203N-SSS00203E	CIRCULAR	1.00	0.79	0.25	1.00	1	9392.16
SS00316-SS00046	CIRCULAR	0.67	0.35	0.17	0.67	1	558.03
SS00317-SS00304	CIRCULAR	1.00	0.79	0.25	1.00	1	3013.02
Future_8inch_Pipe	CIRCULAR	0.67	0.35	0.17	0.67	1	426.58

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

****
Analysis Options
****
Flow Units ..... GPM
Process Models:
  Rainfall/Runoff ..... NO
  RDII ..... NO
  Snowmelt ..... NO
  Groundwater ..... NO
  Flow Routing ..... YES

```
  Ponding Allowed ........ YES
  Water Quality .......... NO
Flow Routing Method ...... DYNWAVE
Starting Date ............ 07/26/2016 00:00:00
Ending Date .............. 07/30/2016 00:00:00
Antecedent Dry Days ...... 0.0
Report Time Step ......... 00:00:05
Routing Time Step ........ 5.00 sec
Variable Time Step ....... YES
Maximum Trials ........... 20
Number of Threads ........ 1
Head Tolerance ........... 0.005000 ft
```

Flow Routing Continuity	Volume acre-feet	Volume 10^6 gal
Dry Weather Inflow	0.000	0.000
Wet Weather Inflow	0.000	0.000
Groundwater Inflow	0.000	0.000
RDII Inflow	0.000	0.000
External Inflow	16.267	5.301
External Outflow	16.140	5.259
Flooding Loss	0.000	0.000
Evaporation Loss	0.000	0.000
Exfiltration Loss	0.000	0.000
Initial Stored Volume	0.000	0.000
Final Stored Volume	0.122	0.040
Continuity Error (%)	0.035	

Highest Continuity Errors

Node SS00273 (1.52%)

Time-Step Critical Elements

Link SS00110-SS00109 (99.85%)

Highest Flow Instability Indexes

All links are stable.

Routing Time Step Summary

Minimum Time Step	:	0.27 sec
Average Time Step	:	2.20 sec
Maximum Time Step	:	5.00 sec
Percent in Steady State	:	0.00
Average Iterations per Step	:	2.00
Percent Not Converging	:	0.00

Node Depth Summary

Node	Type	Average Depth Feet	Maximum Depth Feet	Maximum HGL Feet	Time of Max Occurrence days hr:min	Reported Max Depth Feet
SS00001	JUNCTION	0.14	0.18	5074.53	3 09:01	0.18
SS00002	JUNCTION	0.17	0.22	5073.39	3 09:02	0.22
SS00003	JUNCTION	0.13	0.17	5072.39	3 09:03	0.17
SS00004	JUNCTION	0.10	0.13	5070.84	3 09:03	0.13
SS00005	JUNCTION	0.13	0.17	5065.65	3 09:05	0.17
SS00006	JUNCTION	0.18	0.23	5061.94	3 09:06	0.23
SS00007	JUNCTION	0.15	0.19	5061.36	3 09:06	0.19
SS00008	JUNCTION	0.12	0.15	5060.48	3 09:07	0.15
SS00009	JUNCTION	0.12	0.15	5058.10	3 09:07	0.15
SS00010	JUNCTION	0.02	0.03	5060.75	0 09:04	0.03
SS00011	JUNCTION	0.02	0.02	5063.23	3 09:03	0.02
SS00012	JUNCTION	0.09	0.12	5055.29	3 09:08	0.12
SS00013	JUNCTION	0.16	0.21	5049.20	3 09:08	0.21
SS00014	JUNCTION	0.11	0.15	5048.05	3 09:09	0.15
SS00015	JUNCTION	0.18	0.23	5045.29	3 09:10	0.23
SS00016	JUNCTION	0.17	0.23	5044.73	3 09:11	0.23
SS00017	JUNCTION	0.16	0.21	5043.92	3 09:12	0.21
SS00018	JUNCTION	0.02	0.02	5045.02	3 09:03	0.02
SS00019	JUNCTION	0.02	0.02	5072.36	3 09:02	0.02
SS00020	JUNCTION	0.01	0.02	5071.49	0 09:04	0.02
SS00021	JUNCTION	0.01	0.02	5063.71	3 09:08	0.02
SS00022	JUNCTION	0.03	0.03	5057.59	3 09:09	0.03
SS00023	JUNCTION	0.03	0.04	5056.89	3 09:10	0.04
SS00024	JUNCTION	0.04	0.05	5055.67	3 09:11	0.05
SS00025	JUNCTION	0.03	0.04	5054.33	3 09:15	0.04
SS00026	JUNCTION	0.04	0.06	5049.50	3 09:14	0.06
SS00027	JUNCTION	0.05	0.06	5048.34	3 09:15	0.06
SS00028	JUNCTION	0.03	0.04	5047.09	3 09:15	0.04
SS00029	JUNCTION	0.26	0.33	5040.93	0 09:16	0.33
SS00030	JUNCTION	0.17	0.23	5041.94	3 09:14	0.23
SS00031	JUNCTION	0.17	0.22	5042.55	0 09:13	0.22
SS00032	JUNCTION	0.18	0.24	5042.99	3 09:12	0.24
SS00033	JUNCTION	0.02	0.02	5054.83	3 09:04	0.02
SS00034	JUNCTION	0.02	0.03	5054.26	3 09:06	0.03
SS00035	JUNCTION	0.03	0.04	5052.85	3 09:10	0.04
SS00036	JUNCTION	0.04	0.05	5051.11	0 09:13	0.05
SS00037	JUNCTION	0.04	0.05	5049.29	3 09:13	0.05
SS00038	JUNCTION	0.04	0.06	5048.51	3 09:14	0.06
SS00039	JUNCTION	0.04	0.06	5047.72	3 09:14	0.06
SS00040	JUNCTION	0.05	0.06	5047.09	3 09:15	0.06
SS00041	JUNCTION	0.03	0.04	5046.27	3 09:16	0.04
SS00042	JUNCTION	0.01	0.01	5042.98	3 09:03	0.01
SS00043	JUNCTION	0.02	0.02	5040.44	3 09:07	0.02
SS00044	JUNCTION	0.02	0.02	5039.14	3 09:10	0.02
SS00045	JUNCTION	0.02	0.03	5033.78	0 09:13	0.03
SS00046	JUNCTION	0.02	0.03	5030.15	3 09:21	0.03
SS00047	JUNCTION	0.18	0.24	5028.92	3 09:26	0.24
SS00048	JUNCTION	0.18	0.24	5027.65	3 09:28	0.24
SS00049	JUNCTION	0.19	0.24	5025.81	3 09:29	0.24
SS00050	JUNCTION	0.18	0.23	5024.50	3 09:29	0.23
SS00051	JUNCTION	0.18	0.23	5023.16	3 09:30	0.23
SS00052	JUNCTION	0.15	0.20	5021.88	3 09:31	0.20
SS00053	JUNCTION	0.27	0.34	4973.05	3 09:37	0.34
SS00054	JUNCTION	0.11	0.14	4981.42	3 09:36	0.14
SS00055	JUNCTION	0.10	0.13	4993.46	3 09:36	0.13
SS00056	JUNCTION	0.11	0.14	5001.90	3 09:35	0.14
SS00057	JUNCTION	0.15	0.20	5004.81	3 09:35	0.20

SS00058	JUNCTION	0.16	0.21	5006.80	3	09:34	0.21
SS00059	JUNCTION	0.12	0.16	5012.66	3	09:33	0.16
SS00060	JUNCTION	0.12	0.15	5019.75	3	09:32	0.15
SS00061	JUNCTION	0.01	0.01	5023.49	3	09:04	0.01
SS00062	JUNCTION	0.01	0.02	5018.61	3	09:08	0.02
SS00063	JUNCTION	0.01	0.02	5009.86	3	09:11	0.02
SS00064	JUNCTION	0.02	0.02	4997.46	3	09:14	0.02
SS00065	JUNCTION	0.02	0.03	4993.86	3	09:17	0.03
SS00066	JUNCTION	0.01	0.02	5012.56	3	09:04	0.02
SS00067	JUNCTION	0.02	0.02	5009.82	3	09:07	0.02
SS00068	JUNCTION	0.02	0.02	5007.55	3	09:11	0.02
SS00069	JUNCTION	0.02	0.02	5005.30	3	09:11	0.02
SS00070	JUNCTION	0.01	0.01	5014.86	0	09:05	0.01
SS00071	JUNCTION	0.01	0.02	5017.51	3	09:05	0.02
SS00072	JUNCTION	0.02	0.02	5015.79	3	09:08	0.02
SS00073	JUNCTION	0.01	0.02	5013.67	3	09:10	0.02
SS00074	JUNCTION	0.02	0.02	5011.10	3	09:11	0.02
SS00075	JUNCTION	0.02	0.02	5006.94	0	09:13	0.02
SS00076	JUNCTION	0.02	0.03	5004.43	3	09:13	0.03
SS00077	JUNCTION	0.02	0.03	5001.12	0	09:16	0.03
SS00078	JUNCTION	0.03	0.03	4996.92	0	09:17	0.03
SS00079	JUNCTION	0.03	0.04	4994.80	3	09:17	0.04
SS00080	JUNCTION	0.02	0.02	4997.24	0	09:05	0.02
SS00081	JUNCTION	0.03	0.04	4990.80	0	09:18	0.04
SS00082	JUNCTION	0.04	0.05	4988.10	3	09:20	0.05
SS00083	JUNCTION	0.04	0.05	4987.55	3	09:21	0.05
SS00084	JUNCTION	0.02	0.02	4987.53	3	09:04	0.02
SS00085	JUNCTION	0.04	0.06	4985.54	3	09:23	0.06
SS00086	JUNCTION	0.04	0.05	4986.28	3	09:23	0.05
SS00087	JUNCTION	0.05	0.06	4984.35	3	09:25	0.06
SS00088	JUNCTION	0.05	0.06	4983.22	3	09:27	0.06
SS00089	JUNCTION	0.01	0.01	5021.13	3	09:02	0.01
SS00090	JUNCTION	0.01	0.01	5018.46	3	09:04	0.01
SS00091	JUNCTION	0.01	0.02	5012.60	3	09:05	0.02
SS00092	JUNCTION	0.02	0.02	5007.06	3	09:09	0.02
SS00093	JUNCTION	0.02	0.03	5003.58	3	09:12	0.03
SS00094	JUNCTION	0.02	0.03	5001.20	3	09:14	0.03
SS00095	JUNCTION	0.02	0.03	4999.35	3	09:13	0.03
SS00096	JUNCTION	0.01	0.01	5004.24	3	09:06	0.01
SS00097	JUNCTION	0.02	0.03	4995.65	3	09:14	0.03
SS00098	JUNCTION	0.02	0.03	4991.56	3	09:15	0.03
SS00099	JUNCTION	0.04	0.05	4982.25	3	09:24	0.05
SS00100	JUNCTION	0.04	0.05	4980.35	3	09:25	0.05
SS00101	JUNCTION	0.06	0.08	4974.46	3	09:29	0.08
SS00102	JUNCTION	0.80	0.95	4916.04	0	10:23	0.95
SS00103	JUNCTION	0.54	0.65	4916.78	0	10:16	0.65
SS00104	JUNCTION	0.49	0.59	4917.32	0	10:15	0.59
SS00105	JUNCTION	0.57	0.68	4917.61	0	10:15	0.68
SS00106	JUNCTION	0.46	0.55	4917.93	0	10:14	0.55
SS00107	JUNCTION	0.57	0.68	4918.39	0	10:13	0.68
SS00108	JUNCTION	0.59	0.72	4918.61	0	10:12	0.72
SS00109	JUNCTION	0.62	0.73	4918.94	0	10:10	0.73
SS00110	JUNCTION	0.51	0.62	4918.96	0	10:10	0.62
SS00111	JUNCTION	0.55	0.66	4919.27	0	10:06	0.66
SS00112	JUNCTION	0.01	0.02	4992.80	3	09:17	0.02
SS00113	JUNCTION	0.02	0.03	4987.36	3	09:12	0.03
SS00114	JUNCTION	0.02	0.03	4983.32	3	09:12	0.03
SS00115	JUNCTION	0.03	0.03	4978.16	0	09:12	0.03
SS00116	JUNCTION	0.03	0.04	4974.12	3	09:11	0.04
SS00117	JUNCTION	0.03	0.04	4970.20	3	09:12	0.04
SS00118	JUNCTION	0.03	0.03	4967.23	3	09:12	0.03
SS00119	JUNCTION	0.03	0.04	4964.41	3	09:12	0.04
SS00120	JUNCTION	0.03	0.04	4962.42	3	09:10	0.04

SS00121	JUNCTION	0.03	0.04	4959.12	0	09:10	0.04
SS00122	JUNCTION	0.06	0.07	4952.13	3	09:14	0.07
SS00123	JUNCTION	0.04	0.05	4950.34	3	09:13	0.05
SS00124	JUNCTION	0.04	0.06	4950.89	3	09:11	0.06
SS00125	JUNCTION	0.03	0.03	4968.98	3	09:10	0.03
SS00126	JUNCTION	0.02	0.03	4976.63	3	09:10	0.03
SS00127	JUNCTION	0.02	0.02	4978.20	3	09:09	0.02
SS00128	JUNCTION	0.02	0.02	4978.98	3	09:08	0.02
SS00129	JUNCTION	0.02	0.02	4981.63	3	09:07	0.02
SS00130	JUNCTION	0.02	0.02	4982.08	3	09:05	0.02
SS00131	JUNCTION	0.02	0.02	4982.57	3	09:05	0.02
SS00132	JUNCTION	0.02	0.02	4984.00	3	09:04	0.02
SS00133	JUNCTION	0.03	0.03	4979.01	0	09:10	0.03
SS00134	JUNCTION	0.02	0.03	4980.28	3	09:09	0.03
SS00135	JUNCTION	0.02	0.03	4982.94	3	09:08	0.03
SS00136	JUNCTION	0.02	0.03	4986.96	3	09:04	0.03
SS00137	JUNCTION	0.01	0.01	4968.35	3	09:03	0.01
SS00138	JUNCTION	0.01	0.01	4979.36	3	09:02	0.01
SS00139	JUNCTION	0.01	0.02	4976.98	3	09:03	0.02
SS00140	JUNCTION	0.02	0.02	4974.67	3	09:04	0.02
SS00141	JUNCTION	0.02	0.02	4972.39	3	09:05	0.02
SS00142	JUNCTION	0.02	0.03	4970.25	3	09:05	0.03
SS00143	JUNCTION	0.03	0.03	4966.17	3	09:06	0.03
SS00144	JUNCTION	0.03	0.03	4964.01	3	09:07	0.03
SS00145	JUNCTION	0.01	0.01	4955.72	3	09:02	0.01
SS00146	JUNCTION	0.02	0.02	4957.31	3	09:04	0.02
SS00147	JUNCTION	0.02	0.02	4956.07	3	09:07	0.02
SS00148	JUNCTION	0.02	0.02	4955.79	3	09:07	0.02
SS00149	JUNCTION	0.02	0.02	4954.94	3	09:07	0.02
SS00150	JUNCTION	0.13	0.17	4945.89	3	09:04	0.17
SS00151	JUNCTION	0.15	0.19	4946.46	0	09:03	0.19
SS00152	JUNCTION	0.01	0.01	4950.27	0	09:03	0.01
SS00153	JUNCTION	0.12	0.16	4946.98	3	09:03	0.16
SS00154	JUNCTION	0.14	0.18	4948.24	0	09:02	0.18
SS00155	JUNCTION	0.10	0.13	4949.54	0	09:00	0.13
SS00156	JUNCTION	0.01	0.01	4974.69	3	09:01	0.01
SS00157	JUNCTION	0.02	0.02	4972.03	3	09:03	0.02
SS00158	JUNCTION	0.02	0.03	4962.02	3	09:04	0.03
SS00159	JUNCTION	0.03	0.04	4949.34	3	09:08	0.04
SS00160	JUNCTION	0.02	0.03	4950.69	3	09:03	0.03
SS00161	JUNCTION	0.17	0.22	4945.21	3	09:05	0.22
SS00162	JUNCTION	0.14	0.18	4944.97	3	09:07	0.18
SS00163	JUNCTION	0.06	0.07	4989.18	0	09:30	0.07
SS00164	JUNCTION	0.06	0.08	4984.02	0	09:31	0.08
SS00165	JUNCTION	0.14	0.16	4979.46	3	09:32	0.16
SS00166	JUNCTION	0.16	0.18	4974.71	3	09:34	0.18
SS00167	JUNCTION	0.06	0.08	4967.62	0	09:35	0.08
SS00168	JUNCTION	0.06	0.08	4961.19	0	09:36	0.08
SS00169	JUNCTION	0.06	0.08	4954.75	3	09:37	0.08
SS00170	JUNCTION	0.07	0.08	4948.32	3	09:34	0.08
SS00171	JUNCTION	0.10	0.12	4948.70	3	09:15	0.12
SS00172	JUNCTION	0.03	0.04	4949.32	0	09:14	0.04
SS00173	JUNCTION	0.06	0.08	4946.64	3	09:34	0.08
SS00174	JUNCTION	0.13	0.14	4952.32	3	09:13	0.14
SS00175	JUNCTION	0.11	0.12	4957.12	3	09:08	0.12
SS00176	JUNCTION	0.02	0.02	4968.53	3	09:03	0.02
SS00177	JUNCTION	0.01	0.01	4970.71	0	09:02	0.01
SS00178	JUNCTION	0.01	0.01	4973.71	3	09:03	0.01
SS00179	JUNCTION	0.16	0.21	4939.17	0	09:46	0.21
SS00180	JUNCTION	0.23	0.30	4937.94	3	09:48	0.30
SS00181	JUNCTION	0.34	0.42	4939.54	3	09:46	0.42
SS00182	JUNCTION	0.25	0.32	4940.03	0	09:43	0.32
SS00183	JUNCTION	0.13	0.17	4941.89	3	09:11	0.17

SS00184	JUNCTION	0.13	0.17	4943.34	3	09:10	0.17
SS00185	JUNCTION	0.02	0.03	5049.91	3	09:04	0.03
SS00186	JUNCTION	0.03	0.04	5047.96	3	09:07	0.04
SS00187	JUNCTION	0.03	0.04	5045.27	3	09:11	0.04
SS00188	JUNCTION	0.03	0.04	5041.95	3	09:11	0.04
SS00189	JUNCTION	0.03	0.04	5039.69	0	09:12	0.04
SS00190	JUNCTION	0.03	0.04	5034.66	0	09:12	0.04
SS00191	JUNCTION	0.07	0.09	5030.07	3	09:15	0.09
SS00192	JUNCTION	0.06	0.08	5031.39	0	09:13	0.08
SS00193	JUNCTION	0.05	0.07	5032.84	0	09:12	0.07
SS00194	JUNCTION	0.05	0.07	5034.00	3	09:11	0.07
SS00195	JUNCTION	0.03	0.04	5035.99	3	09:07	0.04
SS00196	JUNCTION	0.02	0.02	5041.67	3	09:04	0.02
SS00197	JUNCTION	0.01	0.01	5043.19	3	09:03	0.01
SS00198	JUNCTION	0.03	0.04	5039.38	3	09:08	0.04
SS00199	JUNCTION	0.03	0.04	5036.79	3	09:09	0.04
SS00200	JUNCTION	0.05	0.07	5035.43	3	09:11	0.07
SS00201	JUNCTION	0.03	0.04	5038.01	0	09:09	0.04
SS00202	JUNCTION	0.03	0.04	5040.03	3	09:08	0.04
SS00204	JUNCTION	0.03	0.03	5041.35	3	09:07	0.03
SS00205	JUNCTION	0.02	0.02	5042.47	3	09:02	0.02
SS00206	JUNCTION	0.02	0.03	5039.17	0	09:04	0.03
SS00207	JUNCTION	0.03	0.03	5035.99	3	09:06	0.03
SS00208	JUNCTION	0.03	0.04	5033.14	3	09:08	0.04
SS00209	JUNCTION	0.03	0.04	5030.95	0	09:09	0.04
SS00210	JUNCTION	0.05	0.07	5025.58	3	09:12	0.07
SS00211	JUNCTION	0.06	0.07	5024.06	3	09:14	0.07
SS00212	JUNCTION	0.04	0.06	5022.33	3	09:15	0.06
SS00213	JUNCTION	0.11	0.14	5016.81	0	09:19	0.14
SS00214	JUNCTION	0.04	0.06	5027.38	0	09:15	0.06
SS00215	JUNCTION	0.02	0.02	5035.16	3	09:07	0.02
SS00216	JUNCTION	0.01	0.02	5037.94	0	09:05	0.02
SS00217	JUNCTION	0.02	0.03	5035.91	0	09:04	0.03
SS00218	JUNCTION	0.03	0.03	5033.48	3	09:06	0.03
SS00219	JUNCTION	0.03	0.04	5027.13	3	09:08	0.04
SS00220	JUNCTION	0.02	0.03	5028.68	3	09:06	0.03
SS00221	JUNCTION	0.00	0.00	5027.15	0	00:00	0.00
SS00222	JUNCTION	0.12	0.15	5017.39	3	09:17	0.15
SS00223	JUNCTION	0.02	0.02	5021.99	0	09:03	0.02
SS00224	JUNCTION	0.06	0.07	5017.00	3	09:07	0.07
SS00225	JUNCTION	0.03	0.03	5016.86	3	09:10	0.03
SS00226	JUNCTION	0.03	0.04	5015.32	3	09:13	0.04
SS00227	JUNCTION	0.01	0.02	5021.25	3	09:06	0.02
SS00228	JUNCTION	0.02	0.02	5019.73	3	09:02	0.02
SS00229	JUNCTION	0.03	0.04	5018.39	3	09:07	0.04
SS00230	JUNCTION	0.03	0.04	5016.29	3	09:07	0.04
SS00231	JUNCTION	0.03	0.04	5013.06	0	09:11	0.04
SS00232	JUNCTION	0.03	0.04	5009.08	3	09:13	0.04
SS00233	JUNCTION	0.04	0.05	5011.26	3	09:15	0.05
SS00234	JUNCTION	0.04	0.05	5013.63	3	09:13	0.05
SS00235	JUNCTION	0.02	0.03	5019.08	3	09:04	0.03
SS00236	JUNCTION	0.03	0.03	5016.24	3	09:08	0.03
SS00237	JUNCTION	0.03	0.04	5013.87	3	09:10	0.04
SS00238	JUNCTION	0.03	0.04	5011.03	3	09:12	0.04
SS00239	JUNCTION	0.03	0.04	5007.74	3	09:14	0.04
SS00240	JUNCTION	0.11	0.14	4961.45	3	09:39	0.14
SS00241	JUNCTION	0.17	0.20	4972.12	3	09:39	0.20
SS00242	JUNCTION	0.21	0.27	4972.70	3	09:38	0.27
SS00243	JUNCTION	0.01	0.01	5041.08	3	09:03	0.01
SS00244	JUNCTION	0.02	0.03	5026.31	3	09:07	0.03
SS00245	JUNCTION	0.03	0.03	5024.24	3	09:11	0.03
SS00246	JUNCTION	0.03	0.04	5020.76	3	09:13	0.04
SS00247	JUNCTION	0.13	0.17	5016.05	3	09:22	0.17

SS00248	JUNCTION	0.04	0.05	5020.60	3	09:12	0.05
SS00249	JUNCTION	0.04	0.05	5022.87	3	09:11	0.05
SS00250	JUNCTION	0.04	0.05	5024.53	0	09:08	0.05
SS00251	JUNCTION	0.02	0.02	5036.53	3	09:01	0.02
SS00252	JUNCTION	0.11	0.14	5014.99	3	09:24	0.14
SS00253	JUNCTION	0.12	0.16	5013.23	3	09:26	0.16
SS00254	JUNCTION	0.07	0.09	5011.59	0	09:27	0.09
SS00255	JUNCTION	0.03	0.04	5017.75	3	09:09	0.04
SS00256	JUNCTION	0.08	0.10	4999.71	1	09:29	0.10
SS00257	JUNCTION	0.04	0.05	5005.57	0	11:09	0.05
SS00258	JUNCTION	0.04	0.04	5008.49	0	11:11	0.04
SS00259	JUNCTION	0.03	0.03	5011.94	3	12:00	0.03
SS00260	JUNCTION	0.02	0.02	5019.78	0	12:00	0.02
SS00261	JUNCTION	0.02	0.02	5029.79	2	12:00	0.02
SS00262	JUNCTION	0.02	0.02	5035.69	3	12:00	0.02
SS00263	JUNCTION	0.06	0.07	5001.57	1	09:23	0.07
SS00264	JUNCTION	0.05	0.06	5003.33	3	09:17	0.06
SS00265	JUNCTION	0.02	0.02	5009.18	0	09:12	0.02
SS00266	JUNCTION	0.03	0.04	4994.70	3	09:04	0.04
SS00267	JUNCTION	0.04	0.05	4993.61	3	09:11	0.05
SS00268	JUNCTION	0.03	0.03	4993.25	3	09:20	0.03
SS00269	JUNCTION	0.05	0.06	4991.97	0	11:11	0.06
SS00270	JUNCTION	0.10	0.13	4990.00	1	09:29	0.13
SS00271	JUNCTION	0.09	0.12	4989.23	1	09:30	0.12
SS00272	JUNCTION	0.02	0.03	4984.08	3	09:04	0.03
SS00273	JUNCTION	0.33	0.34	4979.71	3	09:13	0.34
SS00274	JUNCTION	0.18	0.23	4974.96	1	09:11	0.23
SS00275	JUNCTION	0.17	0.21	4973.08	1	09:12	0.21
SS00276	JUNCTION	0.15	0.19	4980.52	1	09:11	0.19
SS00277	JUNCTION	0.15	0.19	4983.75	1	09:10	0.19
SS00278	JUNCTION	0.18	0.24	4986.82	1	09:06	0.24
SS00279	JUNCTION	0.21	0.26	4992.58	1	09:04	0.26
SS00280	JUNCTION	0.21	0.26	4996.66	1	09:02	0.26
SS00281	JUNCTION	0.29	0.40	4998.06	1	09:01	0.40
SS00282	JUNCTION	0.14	0.18	5077.04	3	09:00	0.18
SS00283	JUNCTION	0.01	0.01	4951.44	3	09:04	0.01
SS00284	JUNCTION	0.03	0.03	4963.39	3	09:11	0.03
SS00285	JUNCTION	0.61	0.71	4915.06	0	10:23	0.71
SS00286	JUNCTION	0.21	0.28	5040.55	3	09:17	0.28
SS00287	JUNCTION	0.25	0.33	5039.52	3	09:20	0.33
SS00288	JUNCTION	0.22	0.29	5038.37	0	09:22	0.29
SS00289	JUNCTION	0.20	0.27	5036.84	3	09:23	0.27
SS00290	JUNCTION	0.15	0.19	5036.32	3	09:24	0.19
SS00291	JUNCTION	0.19	0.25	5030.36	0	09:25	0.25
SS00292	JUNCTION	0.13	0.17	4955.59	3	09:41	0.17
SS00293	JUNCTION	0.11	0.14	4951.45	3	09:41	0.14
SS00294	JUNCTION	0.18	0.23	4943.65	3	09:43	0.23
SS00295	JUNCTION	0.16	0.20	4942.39	3	09:45	0.20
SS00296	JUNCTION	0.17	0.22	4935.39	3	09:48	0.22
SS00297	JUNCTION	0.18	0.23	4933.01	3	09:49	0.23
SS00298	JUNCTION	0.21	0.27	4930.32	3	09:50	0.27
SS00299	JUNCTION	0.20	0.26	4927.28	3	09:51	0.26
SS00300	JUNCTION	0.29	0.38	4924.12	3	09:53	0.38
SS00301	JUNCTION	0.32	0.42	4923.52	0	09:55	0.42
SS00302	JUNCTION	0.40	0.51	4922.89	3	09:56	0.51
SS00303	JUNCTION	0.15	0.20	4967.85	1	09:13	0.20
SS00304	JUNCTION	0.15	0.20	4953.45	1	09:12	0.20
SS00305	JUNCTION	0.19	0.25	4947.36	1	09:13	0.25
SS00306	JUNCTION	0.20	0.26	4943.42	1	09:13	0.26
SS00307	JUNCTION	0.20	0.26	4939.42	1	09:15	0.26
SS00308	JUNCTION	0.20	0.26	4935.08	1	09:15	0.26
SS00309	JUNCTION	0.20	0.26	4932.70	1	09:16	0.26
SS00310	JUNCTION	0.17	0.21	4930.83	1	09:16	0.21

SS00311	JUNCTION	0.37	0.48	4922.64	3	09:39	0.48
SS00312	JUNCTION	0.46	0.59	4922.21	1	09:40	0.59
SS00313	JUNCTION	0.44	0.57	4921.75	1	09:42	0.57
SS00314	JUNCTION	0.38	0.49	4921.31	1	09:44	0.49
SS00315	JUNCTION	0.48	0.57	4920.09	0	10:04	0.57
SSC00001	JUNCTION	0.03	0.03	5018.54	3	09:06	0.03
SSC00002	JUNCTION	0.02	0.03	5011.29	3	09:09	0.03
SSC00003	JUNCTION	0.02	0.02	5004.64	3	09:25	0.02
SSC00004	JUNCTION	0.00	0.00	5017.70	0	00:00	0.00
SSC00005	JUNCTION	0.02	0.02	5026.85	3	09:09	0.02
SSC00006	JUNCTION	0.02	0.02	5013.37	3	09:04	0.02
SSC00007	JUNCTION	0.00	0.00	5045.31	0	00:00	0.00
SS00203E	JUNCTION	0.02	0.03	5043.35	3	09:06	0.03
SS00203N	JUNCTION	0.02	0.02	5043.44	3	09:05	0.02
SS00316	JUNCTION	0.02	0.03	5032.04	3	09:18	0.03
SS00317	JUNCTION	0.15	0.19	4956.93	1	09:13	0.19
LS00001	JUNCTION	0.08	0.10	5005.15	3	09:24	0.10
WWTF00001	OUTFALL	0.52	0.61	4914.86	0	10:24	0.61

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Node Inflow Summary
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Node	Type	Maximum Lateral Inflow GPM	Maximum Total Inflow GPM	Time of Max Occurrence days hr:min		Lateral Inflow Volume 10^6 gal	Total Inflow Volume 10^6 gal	Flow Balance Error Percent
SS00001	JUNCTION	0.19	126.80	3	09:00	0.000643	0.434	0.008
SS00002	JUNCTION	0.19	126.98	3	09:01	0.000643	0.434	0.029
SS00003	JUNCTION	0.38	127.33	3	09:02	0.00129	0.436	0.013
SS00004	JUNCTION	1.13	128.45	0	09:03	0.00385	0.439	0.012
SS00005	JUNCTION	2.44	130.88	0	09:03	0.00834	0.448	0.034
SS00006	JUNCTION	0.75	131.59	3	09:05	0.00257	0.45	0.017
SS00007	JUNCTION	0.56	132.15	3	09:06	0.00192	0.452	0.014
SS00008	JUNCTION	0.00	132.15	3	09:06	0	0.452	0.011
SS00009	JUNCTION	0.94	136.27	3	09:07	0.00321	0.466	0.012
SS00010	JUNCTION	1.50	3.18	3	09:01	0.00513	0.0109	0.066
SS00011	JUNCTION	1.69	1.69	3	09:00	0.00578	0.00578	0.079
SS00012	JUNCTION	0.38	136.64	3	09:07	0.00129	0.467	0.007
SS00013	JUNCTION	0.19	136.83	3	09:08	0.000643		

0.468	0.023						
SS00014		JUNCTION	0.75	137.56	3	09:09	0.00257
0.47	0.010						
SS00015		JUNCTION	0.19	137.75	0	09:09	0.000643
0.471	0.018						
SS00016		JUNCTION	0.94	138.68	3	09:10	0.00321
0.474	0.022						
SS00017		JUNCTION	0.38	140.17	3	09:11	0.00129
0.479	0.017						
SS00018		JUNCTION	1.13	1.13	3	09:00	0.00385
0.00385	0.133						
SS00019		JUNCTION	0.94	0.94	3	09:00	0.00321
0.00321	0.080						
SS00020		JUNCTION	0.38	1.31	3	09:01	0.00129
0.00449	0.053						
SS00021		JUNCTION	0.00	1.31	3	09:04	0
0.00449	0.071						
SS00022		JUNCTION	0.75	2.06	3	09:06	0.00257
0.00705	0.080						
SS00023		JUNCTION	1.13	3.18	0	09:06	0.00385
0.0109	0.083						
SS00024		JUNCTION	1.88	5.05	3	09:06	0.00642
0.0173	0.102						
SS00025		JUNCTION	0.00	5.05	3	09:11	0
0.0173	0.069						
SS00026		JUNCTION	2.44	7.47	3	09:11	0.00834
0.0256	0.067						
SS00027		JUNCTION	0.94	8.41	3	09:12	0.00321
0.0288	0.060						
SS00028		JUNCTION	0.75	9.15	3	09:14	0.00257
0.0314	0.027						
SS00029		JUNCTION	0.00	159.95	3	09:14	0
0.547	0.042						
SS00030		JUNCTION	0.94	142.22	3	09:13	0.00321
0.486	0.027						
SS00031		JUNCTION	0.56	141.28	3	09:12	0.00192
0.483	0.013						
SS00032		JUNCTION	0.56	140.72	3	09:12	0.00192
0.481	0.014						
SS00033		JUNCTION	0.75	0.75	3	09:00	0.00257
0.00257	0.113						
SS00034		JUNCTION	0.94	1.69	3	09:01	0.00321
0.00577	0.111						
SS00035		JUNCTION	2.06	3.75	3	09:02	0.00706
0.0128	0.135						
SS00036		JUNCTION	1.88	5.61	3	09:06	0.00642
0.0192	0.118						
SS00037		JUNCTION	0.75	6.35	3	09:11	0.00257
0.0218	0.035						
SS00038		JUNCTION	0.75	7.10	3	09:12	0.00257
0.0243	0.046						
SS00039		JUNCTION	0.56	7.66	3	09:13	0.00192
0.0262	0.037						
SS00040		JUNCTION	0.56	8.22	3	09:14	0.00192
0.0282	0.040						
SS00041		JUNCTION	0.38	8.59	3	09:15	0.00129
0.0294	0.026						
SS00042		JUNCTION	0.56	0.56	3	09:00	0.00192
0.00192	0.089						
SS00043		JUNCTION	0.56	1.12	3	09:01	0.00192
0.00384	0.136						
SS00044		JUNCTION	0.38	1.50	3	09:05	0.00129
0.00513	0.085						

SS00045		JUNCTION	0.00	1.50	0	09:10	0	
0.00512	0.075							
SS00046		JUNCTION	0.19	2.05	0	09:17	0.000643	
0.00704	0.096							
SS00047		JUNCTION	0.64	160.47	3	09:25	0.00219	
0.547	0.027							
SS00048		JUNCTION	0.19	160.65	3	09:26	0.000643	
0.548	0.034							
SS00049		JUNCTION	0.00	162.70	3	09:28	0	
0.555	0.027							
SS00050		JUNCTION	0.38	163.06	3	09:29	0.00129	
0.556	0.014							
SS00051		JUNCTION	0.19	163.25	3	09:29	0.000643	
0.556	0.032							
SS00052		JUNCTION	0.19	163.43	3	09:31	0.000643	
0.557	0.017							
SS00053		JUNCTION	0.00	176.77	0	09:36	0	
0.602	0.042							
SS00054		JUNCTION	0.00	165.34	3	09:36	0	
0.563	0.012							
SS00055		JUNCTION	0.38	165.34	3	09:35	0.00129	
0.563	0.012							
SS00056		JUNCTION	0.19	164.97	3	09:35	0.000643	
0.562	0.013							
SS00057		JUNCTION	0.38	164.79	3	09:34	0.00129	
0.561	0.029							
SS00058		JUNCTION	0.26	164.42	0	09:33	0.0009	
0.56	0.027							
SS00059		JUNCTION	0.38	164.17	0	09:32	0.00129	
0.559	0.018							
SS00060		JUNCTION	0.38	163.80	3	09:31	0.00129	
0.558	0.017							
SS00061		JUNCTION	0.72	0.72	3	09:00	0.00245	
0.00245	0.085							
SS00062		JUNCTION	0.38	1.09	3	09:03	0.00129	
0.00373	0.097							
SS00063		JUNCTION	0.19	1.28	0	09:07	0.000643	
0.00437	0.076							
SS00064		JUNCTION	0.38	1.65	3	09:09	0.00129	
0.00566	0.118							
SS00065		JUNCTION	0.00	1.65	3	09:14	0	
0.00565	0.068							
SS00066		JUNCTION	0.79	0.79	3	09:00	0.00271	
0.00271	0.105							
SS00067		JUNCTION	0.38	1.17	3	09:02	0.00129	
0.00399	0.124							
SS00068		JUNCTION	0.38	1.54	3	09:06	0.00129	
0.00527	0.110							
SS00069		JUNCTION	0.26	1.80	3	09:10	0.0009	
0.00617	0.044							
SS00070		JUNCTION	0.26	0.26	3	09:00	0.0009	
0.0009	0.117							
SS00071		JUNCTION	0.64	0.64	3	09:00	0.00219	
0.00219	0.129							
SS00072		JUNCTION	0.26	0.90	3	09:03	0.0009	
0.00308	0.117							
SS00073		JUNCTION	0.00	1.16	0	09:07	0	
0.00398	0.068							
SS00074		JUNCTION	0.38	1.54	3	09:08	0.00129	
0.00526	0.055							
SS00075		JUNCTION	0.19	1.72	3	09:10	0.000643	
0.0059	0.077							
SS00076		JUNCTION	0.26	3.79	3	09:12	0.0009	

0.013	0.033							
SS00077		JUNCTION	0.26	4.05	3	09:12	0.0009	
0.0139	0.069							
SS00078		JUNCTION	0.00	4.05	0	09:16	0	
0.0138	0.036							
SS00079		JUNCTION	0.26	5.13	3	09:15	0.0009	
0.0176	0.047							
SS00080		JUNCTION	0.83	0.83	3	09:00	0.00283	
0.00283	0.137							
SS00081		JUNCTION	0.45	5.58	0	09:16	0.00154	
0.0191	0.052							
SS00082		JUNCTION	0.00	5.58	3	09:18	0	
0.0191	0.042							
SS00083		JUNCTION	0.38	5.95	0	09:19	0.00129	
0.0204	0.055							
SS00084		JUNCTION	0.90	0.90	3	09:00	0.00309	
0.00309	0.127							
SS00085		JUNCTION	0.26	7.11	3	09:21	0.0009	
0.0243	0.066							
SS00086		JUNCTION	0.00	5.95	0	09:21	0	
0.0204	0.037							
SS00087		JUNCTION	0.26	7.37	0	09:23	0.0009	
0.0252	0.065							
SS00088		JUNCTION	0.00	7.37	3	09:25	0	
0.0252	0.046							
SS00089		JUNCTION	0.45	0.45	3	09:00	0.00154	
0.00154	0.061							
SS00090		JUNCTION	0.19	0.64	3	09:01	0.000643	
0.00219	0.059							
SS00091		JUNCTION	0.45	1.09	3	09:02	0.00154	
0.00373	0.052							
SS00092		JUNCTION	0.38	1.46	3	09:04	0.00129	
0.00501	0.109							
SS00093		JUNCTION	0.45	1.91	3	09:07	0.00154	
0.00655	0.088							
SS00094		JUNCTION	0.26	2.17	3	09:11	0.0009	
0.00744	0.073							
SS00095		JUNCTION	0.72	3.45	3	09:10	0.00245	
0.0118	0.056							
SS00096		JUNCTION	0.56	0.56	3	09:00	0.00192	
0.00192	0.138							
SS00097		JUNCTION	0.45	3.89	3	09:11	0.00154	
0.0133	0.053							
SS00098		JUNCTION	0.00	3.89	0	09:14	0	
0.0133	0.037							
SS00099		JUNCTION	0.00	11.26	3	09:23	0	
0.0385	0.018							
SS00100		JUNCTION	0.19	11.44	3	09:24	0.000643	
0.0392	0.038							
SS00101		JUNCTION	0.00	11.44	3	09:25	0	
0.0391	0.089							
SS00102		JUNCTION	379.06	1280.68	0	11:15	1.7	
5.27	0.110							
SS00103		JUNCTION	0.00	917.41	0	10:16	0	
3.57	0.076							
SS00104		JUNCTION	0.00	917.43	0	10:15	0	
3.57	0.026							
SS00105		JUNCTION	0.00	917.44	0	10:14	0	
3.57	0.021							
SS00106		JUNCTION	0.00	917.43	0	10:14	0	
3.57	0.014							
SS00107		JUNCTION	0.00	917.57	0	10:12	0	
3.57	0.048							

SS00108		JUNCTION	0.00	917.64	0	10:11	0	
3.57	0.018							
SS00109		JUNCTION	0.00	917.69	0	10:09	0	
3.57	0.036							
SS00110		JUNCTION	0.00	918.70	0	10:07	0	
3.57	0.035							
SS00111		JUNCTION	0.00	918.92	0	10:05	0	
3.57	0.060							
SS00112		JUNCTION	0.00	1.65	0	09:17	0	
0.00565	0.023							
SS00113		JUNCTION	1.31	2.95	3	09:11	0.00449	
0.0101	0.041							
SS00114		JUNCTION	0.94	3.89	3	09:08	0.00321	
0.0133	0.074							
SS00115		JUNCTION	0.56	4.45	3	09:10	0.00192	
0.0153	0.041							
SS00116		JUNCTION	1.01	5.46	3	09:09	0.00347	
0.0187	0.040							
SS00117		JUNCTION	0.38	5.83	3	09:10	0.00129	
0.02	0.038							
SS00118		JUNCTION	0.19	6.02	3	09:12	0.000643	
0.0206	0.021							
SS00119		JUNCTION	0.53	6.54	3	09:11	0.00181	
0.0224	0.021							
SS00120		JUNCTION	0.19	11.15	3	09:09	0.000643	
0.0382	0.009							
SS00121		JUNCTION	0.19	11.34	3	09:10	0.000643	
0.0389	0.023							
SS00122		JUNCTION	0.75	12.09	0	09:10	0.00257	
0.0414	0.078							
SS00123		JUNCTION	0.00	20.36	3	09:13	0	
0.0697	0.022							
SS00124		JUNCTION	0.00	7.90	3	09:11	0	
0.0271	0.021							
SS00125		JUNCTION	1.13	7.15	3	09:09	0.00385	
0.0245	0.018							
SS00126		JUNCTION	0.94	6.03	3	09:09	0.00321	
0.0207	0.031							
SS00127		JUNCTION	0.00	1.69	0	09:08	0	
0.00577	0.042							
SS00128		JUNCTION	0.19	1.69	0	09:07	0.000643	
0.00577	0.032							
SS00129		JUNCTION	0.38	1.50	3	09:04	0.00129	
0.00513	0.069							
SS00130		JUNCTION	0.19	1.12	3	09:04	0.000643	
0.00385	0.051							
SS00131		JUNCTION	0.19	0.94	3	09:03	0.000643	
0.00321	0.054							
SS00132		JUNCTION	0.75	0.75	3	09:00	0.00257	
0.00257	0.119							
SS00133		JUNCTION	0.38	3.41	3	09:08	0.00129	
0.0117	0.053							
SS00134		JUNCTION	0.38	3.04	3	09:07	0.00129	
0.0104	0.040							
SS00135		JUNCTION	0.38	2.66	0	09:04	0.00129	
0.00912	0.074							
SS00136		JUNCTION	2.29	2.29	3	09:00	0.00785	
0.00785	0.101							
SS00137		JUNCTION	0.75	0.75	3	09:00	0.00257	
0.00257	0.079							
SS00138		JUNCTION	0.64	0.64	3	09:00	0.00219	
0.00219	0.064							
SS00139		JUNCTION	0.64	1.28	3	09:00	0.00219	

0.00437	0.046							
SS00140		JUNCTION	0.75	2.03	3	09:02	0.00257	
0.00694	0.042							
SS00141		JUNCTION	0.38	2.40	0	09:03	0.00129	
0.00822	0.034							
SS00142		JUNCTION	1.01	3.41	3	09:03	0.00347	
0.0117	0.046							
SS00143		JUNCTION	0.56	3.97	0	09:05	0.00192	
0.0136	0.032							
SS00144		JUNCTION	0.45	4.42	0	09:06	0.00154	
0.0151	0.030							
SS00145		JUNCTION	0.75	0.75	3	09:00	0.00257	
0.00257	0.068							
SS00146		JUNCTION	0.75	0.75	3	09:00	0.00257	
0.00257	0.127							
SS00147		JUNCTION	0.00	0.75	3	09:04	0	
0.00256	0.077							
SS00148		JUNCTION	0.19	0.94	3	09:06	0.000643	
0.0032	0.060							
SS00149		JUNCTION	1.31	2.25	3	09:02	0.00449	
0.00769	0.077							
SS00150		JUNCTION	0.00	74.93	3	09:03	0	
0.256	0.020							
SS00151		JUNCTION	0.19	72.69	3	09:03	0.000643	
0.249	0.012							
SS00152		JUNCTION	0.19	0.94	3	09:02	0.000643	
0.00321	0.039							
SS00153		JUNCTION	0.00	71.57	3	09:02	0	
0.245	0.009							
SS00154		JUNCTION	0.38	71.59	3	09:00	0.00129	
0.245	0.036							
SS00155		JUNCTION	63.32	63.32	3	09:00	0.217	
0.217	0.014							
SS00156		JUNCTION	0.72	0.72	3	09:00	0.00245	
0.00245	0.049							
SS00157		JUNCTION	2.30	3.01	0	09:00	0.00786	
0.0103	0.060							
SS00158		JUNCTION	2.30	5.31	3	09:01	0.00786	
0.0182	0.050							
SS00159		JUNCTION	1.13	2.62	3	09:01	0.00385	
0.00898	0.140							
SS00160		JUNCTION	1.50	1.50	3	09:00	0.00513	
0.00513	0.071							
SS00161		JUNCTION	0.00	74.93	0	09:04	0	
0.256	0.012							
SS00162		JUNCTION	0.00	74.93	3	09:05	0	
0.256	0.056							
SS00163		JUNCTION	1.95	20.60	3	09:23	0.00668	
0.0705	0.173							
SS00164		JUNCTION	1.88	22.44	3	09:29	0.00642	
0.0768	0.037							
SS00165		JUNCTION	1.50	23.92	3	09:30	0.00513	
0.0819	0.134							
SS00166		JUNCTION	1.69	25.59	3	09:31	0.00578	
0.0876	0.154							
SS00167		JUNCTION	1.88	27.44	3	09:33	0.00642	
0.0939	0.050							
SS00168		JUNCTION	1.88	29.29	3	09:34	0.00642	
0.1	0.047							
SS00169		JUNCTION	0.94	30.21	3	09:35	0.00321	
0.103	0.040							
SS00170		JUNCTION	0.00	36.72	0	09:33	0	
0.126	0.010							

SS00171		JUNCTION	0.00	6.54	3	09:14	0
0.0223	0.080						
SS00172		JUNCTION	0.00	6.54	3	09:13	0
0.0223	0.019						
SS00173		JUNCTION	0.19	36.91	3	09:34	0.000643
0.126	0.018						
SS00174		JUNCTION	1.88	6.55	3	09:06	0.00642
0.0224	0.388						
SS00175		JUNCTION	1.88	4.68	3	09:01	0.00642
0.016	0.397						
SS00176		JUNCTION	1.88	2.81	0	09:00	0.00642
0.00963	0.045						
SS00177		JUNCTION	0.38	0.38	3	09:00	0.00129
0.00129	0.066						
SS00178		JUNCTION	0.56	0.56	3	09:00	0.00192
0.00192	0.080						
SS00179		JUNCTION	0.00	307.96	0	09:46	0
1.05	0.011						
SS00180		JUNCTION	0.00	307.96	3	09:46	0
1.05	0.050						
SS00181		JUNCTION	0.00	271.15	3	09:43	0
0.926	0.085						
SS00182		JUNCTION	0.00	271.16	3	09:42	0
0.927	0.040						
SS00183		JUNCTION	0.00	95.24	3	09:10	0
0.326	0.015						
SS00184		JUNCTION	0.00	74.90	3	09:08	0
0.256	0.044						
SS00185		JUNCTION	1.50	1.50	3	09:00	0.00513
0.00513	0.122						
SS00186		JUNCTION	2.06	3.56	3	09:01	0.00706
0.0122	0.097						
SS00187		JUNCTION	0.94	4.49	3	09:06	0.00321
0.0154	0.092						
SS00188		JUNCTION	0.56	5.05	3	09:10	0.00192
0.0173	0.035						
SS00189		JUNCTION	1.50	6.54	3	09:09	0.00513
0.0224	0.047						
SS00190		JUNCTION	1.31	7.85	3	09:10	0.00449
0.0269	0.045						
SS00191		JUNCTION	0.00	23.55	3	09:13	0
0.0806	0.045						
SS00192		JUNCTION	0.94	15.70	3	09:12	0.00321
0.0538	0.037						
SS00193		JUNCTION	0.38	14.77	3	09:11	0.00129
0.0506	0.029						
SS00194		JUNCTION	0.38	14.40	3	09:10	0.00129
0.0493	0.026						
SS00195		JUNCTION	1.50	3.37	3	09:01	0.00513
0.0115	0.087						
SS00196		JUNCTION	1.88	1.88	3	09:00	0.00642
0.00642	0.078						
SS00197		JUNCTION	0.56	0.56	3	09:00	0.00192
0.00192	0.080						
SS00198		JUNCTION	1.31	4.68	0	09:04	0.00449
0.016	0.059						
SS00199		JUNCTION	0.75	5.42	3	09:07	0.00257
0.0186	0.049						
SS00200		JUNCTION	0.75	10.66	3	09:09	0.00257
0.0365	0.062						
SS00201		JUNCTION	1.13	4.49	3	09:06	0.00385
0.0154	0.066						
SS00202		JUNCTION	1.31	3.37	3	09:03	0.00449

0.0115	0.080							
SS00204		JUNCTION	0.75	2.81	3	09:02	0.00257	
0.00961	0.084							
SS00205		JUNCTION	1.31	1.31	3	09:00	0.00449	
0.00449	0.084							
SS00206		JUNCTION	1.88	1.88	3	09:00	0.00642	
0.00642	0.093							
SS00207		JUNCTION	1.31	3.18	0	09:02	0.00449	
0.0109	0.067							
SS00208		JUNCTION	1.13	4.31	3	09:04	0.00385	
0.0147	0.070							
SS00209		JUNCTION	0.56	7.86	3	09:07	0.00192	
0.0269	0.044							
SS00210		JUNCTION	0.38	11.23	3	09:09	0.00129	
0.0384	0.065							
SS00211		JUNCTION	1.69	12.90	3	09:11	0.00578	
0.0442	0.073							
SS00212		JUNCTION	1.50	14.39	0	09:13	0.00513	
0.0493	0.048							
SS00213		JUNCTION	0.00	44.29	3	09:17	0	
0.152	0.043							
SS00214		JUNCTION	0.75	25.98	0	09:14	0.00257	
0.0889	0.025							
SS00215		JUNCTION	0.94	1.69	3	09:01	0.00321	
0.00577	0.079							
SS00216		JUNCTION	0.75	0.75	3	09:00	0.00257	
0.00257	0.087							
SS00217		JUNCTION	1.88	1.88	3	09:00	0.00642	
0.00642	0.107							
SS00218		JUNCTION	1.13	3.00	3	09:02	0.00385	
0.0103	0.071							
SS00219		JUNCTION	1.13	3.00	3	09:03	0.00385	
0.0103	0.091							
SS00220		JUNCTION	1.88	1.88	3	09:00	0.00642	
0.00642	0.128							
SS00221		JUNCTION	0.00	0.00	0	00:00	0	
0	0.000 gal							
SS00222		JUNCTION	0.00	40.37	3	09:16	0	
0.138	0.051							
SS00223		JUNCTION	1.69	1.69	3	09:00	0.00578	
0.00578	0.058							
SS00224		JUNCTION	0.19	1.87	3	09:03	0.000643	
0.00641	0.396							
SS00225		JUNCTION	0.94	2.81	3	09:05	0.00321	
0.0096	0.087							
SS00226		JUNCTION	0.00	3.93	3	09:09	0	
0.0134	0.091							
SS00227		JUNCTION	1.13	1.13	3	09:00	0.00385	
0.00385	0.121							
SS00228		JUNCTION	1.13	1.13	3	09:00	0.00385	
0.00385	0.073							
SS00229		JUNCTION	2.25	3.37	0	09:00	0.0077	
0.0115	0.122							
SS00230		JUNCTION	1.13	4.49	3	09:05	0.00385	
0.0154	0.041							
SS00231		JUNCTION	0.75	5.61	3	09:06	0.00257	
0.0192	0.102							
SS00232		JUNCTION	0.19	13.64	3	09:13	0.000643	
0.0467	0.006							
SS00233		JUNCTION	1.13	7.85	0	09:12	0.00385	
0.0269	0.067							
SS00234		JUNCTION	2.81	6.73	3	09:08	0.00963	
0.0231	0.098							

SS00235		JUNCTION	1.88	1.88	3	09:00	0.00642
0.00642	0.096						
SS00236		JUNCTION	0.94	2.81	0	09:03	0.00321
0.00962	0.091						
SS00237		JUNCTION	2.06	4.87	3	09:04	0.00706
0.0167	0.100						
SS00238		JUNCTION	0.19	5.05	0	09:09	0.000643
0.0173	0.055						
SS00239		JUNCTION	0.00	5.05	3	09:12	0
0.0173	0.048						
SS00240		JUNCTION	0.00	176.95	3	09:39	0
0.602	0.016						
SS00241		JUNCTION	0.00	176.95	0	09:38	0
0.602	0.021						
SS00242		JUNCTION	0.19	176.95	3	09:38	0.000643
0.602	0.021						
SS00243		JUNCTION	0.56	0.56	3	09:00	0.00192
0.00192	0.066						
SS00244		JUNCTION	0.94	1.87	0	09:01	0.00321
0.00641	0.108						
SS00245		JUNCTION	0.94	2.81	3	09:05	0.00321
0.00962	0.112						
SS00246		JUNCTION	1.13	3.93	3	09:08	0.00385
0.0135	0.100						
SS00247		JUNCTION	0.00	52.87	3	09:18	0
0.181	0.082						
SS00248		JUNCTION	2.25	8.60	3	09:08	0.0077
0.0295	0.074						
SS00249		JUNCTION	2.25	6.36	3	09:05	0.0077
0.0218	0.099						
SS00250		JUNCTION	1.88	4.12	3	09:00	0.00642
0.0141	0.136						
SS00251		JUNCTION	2.25	2.25	3	09:00	0.0077
0.0077	0.043						
SS00252		JUNCTION	1.69	54.53	3	09:21	0.00578
0.187	0.063						
SS00253		JUNCTION	1.69	56.20	3	09:24	0.00578
0.192	0.065						
SS00254		JUNCTION	0.00	59.44	3	09:26	0
0.203	0.030						
SS00255		JUNCTION	1.95	3.26	3	09:01	0.00668
0.0112	0.119						
SS00256		JUNCTION	0.53	70.23	1	09:28	0.00181
0.247	0.031						
SS00257		JUNCTION	2.20	6.01	0	11:02	0.0087
0.0263	0.102						
SS00258		JUNCTION	0.99	3.91	3	11:04	0.0035
0.0176	0.113						
SS00259		JUNCTION	2.06	3.03	3	12:00	0.00962
0.0141	0.068						
SS00260		JUNCTION	0.00	0.97	0	12:00	0
0.00451	0.128						
SS00261		JUNCTION	0.00	0.97	0	11:59	0
0.00452	0.115						
SS00262		JUNCTION	0.97	0.97	0	11:00	0.00452
0.00452	0.120						
SS00263		JUNCTION	1.12	4.47	3	09:14	0.00454
0.0161	0.203						
SS00264		JUNCTION	1.88	3.36	3	09:05	0.00642
0.0115	0.226						
SS00265		JUNCTION	0.00	1.12	3	09:09	0
0.00384	0.085						
SS00266		JUNCTION	1.88	1.88	3	09:00	0.00642

0.00642	0.086							
SS00267		JUNCTION	0.00	1.87	3	09:04	0	
0.00641	0.205							
SS00268		JUNCTION	0.15	2.00	3	09:13	0.000696	
0.0071	0.136							
SS00269		JUNCTION	6.23	8.10	0	11:00	0.0281	
0.0352	0.096							
SS00270		JUNCTION	0.00	77.89	1	09:29	0	
0.282	0.007							
SS00271		JUNCTION	0.00	77.89	1	09:29	0	
0.282	0.020							
SS00272		JUNCTION	1.69	1.69	3	09:00	0.00578	
0.00578	0.078							
SS00273		JUNCTION	2.25	3.93	3	09:01	0.0077	
0.0135	1.548							
SS00274		JUNCTION	0.00	248.32	1	09:11	0	
0.867	0.010							
SS00275		JUNCTION	0.00	248.32	1	09:11	0	
0.867	0.022							
SS00276		JUNCTION	0.00	244.41	1	09:10	0	
0.854	0.014							
SS00277		JUNCTION	0.00	244.41	1	09:10	0	
0.854	0.029							
SS00278		JUNCTION	0.75	167.16	1	09:04	0.00257	
0.572	0.034							
SS00279		JUNCTION	1.20	166.47	1	09:02	0.00411	
0.57	0.039							
SS00280		JUNCTION	0.04	165.29	1	09:01	0.000174	
0.566	0.026							
SS00281		JUNCTION	165.34	165.34	3	09:00	0.566	
0.566	0.024							
SS00282		JUNCTION	126.64	126.64	3	09:00	0.433	
0.433	0.017							
SS00283		JUNCTION	0.38	0.38	3	09:00	0.00129	
0.00129	0.119							
SS00284		JUNCTION	0.00	7.90	3	09:09	0	
0.0271	0.032							
SS00285		JUNCTION	0.00	1278.75	0	10:23	0	
5.26	0.006							
SS00286		JUNCTION	0.00	159.93	3	09:16	0	
0.546	0.031							
SS00287		JUNCTION	0.00	159.92	0	09:17	0	
0.546	0.053							
SS00288		JUNCTION	0.00	159.88	0	09:20	0	
0.546	0.048							
SS00289		JUNCTION	0.00	159.85	3	09:22	0	
0.546	0.013							
SS00290		JUNCTION	0.00	159.85	3	09:23	0	
0.545	0.029							
SS00291		JUNCTION	0.00	159.84	3	09:24	0	
0.545	0.024							
SS00292		JUNCTION	0.00	176.95	3	09:39	0	
0.602	0.030							
SS00293		JUNCTION	0.00	176.94	3	09:41	0	
0.602	0.024							
SS00294		JUNCTION	0.00	176.94	3	09:41	0	
0.602	0.061							
SS00295		JUNCTION	0.00	176.91	0	09:44	0	
0.601	0.045							
SS00296		JUNCTION	0.00	307.95	3	09:48	0	
1.05	0.011							
SS00297		JUNCTION	0.00	307.95	3	09:48	0	
1.05	0.017							

SS00298		JUNCTION	0.00	307.94	3	09:49	0	
1.05	0.038							
SS00299		JUNCTION	0.00	307.94	3	09:51	0	
1.05	0.022							
SS00300		JUNCTION	0.00	307.93	3	09:51	0	
1.05	0.058							
SS00301		JUNCTION	0.00	307.92	3	09:53	0	
1.05	0.062							
SS00302		JUNCTION	0.00	307.90	0	09:56	0	
1.05	-0.015							
SS00303		JUNCTION	0.00	248.32	1	09:12	0	
0.867	0.015							
SS00304		JUNCTION	71.24	319.22	1	09:11	0.244	
1.11	0.013							
SS00305		JUNCTION	0.00	319.22	1	09:12	0	
1.11	0.025							
SS00306		JUNCTION	34.30	353.34	1	09:12	0.117	
1.23	0.026							
SS00307		JUNCTION	0.00	353.33	1	09:14	0	
1.23	0.026							
SS00308		JUNCTION	0.00	353.32	1	09:15	0	
1.23	0.015							
SS00309		JUNCTION	0.00	353.32	1	09:15	0	
1.23	0.013							
SS00310		JUNCTION	0.00	353.32	1	09:16	0	
1.23	0.032							
SS00311		JUNCTION	0.00	658.57	3	09:38	0	
2.28	0.039							
SS00312		JUNCTION	0.00	658.57	3	09:39	0	
2.27	0.044							
SS00313		JUNCTION	0.00	658.57	1	09:41	0	
2.27	0.037							
SS00314		JUNCTION	0.00	658.57	1	09:42	0	
2.27	0.067							
SS00315		JUNCTION	280.14	918.54	0	10:00	1.31	
3.58	0.063							
SSC00001		JUNCTION	1.31	1.31	3	09:00	0.00449	
0.00449	0.145							
SSC00002		JUNCTION	1.13	1.13	3	09:00	0.00385	
0.00385	0.201							
SSC00003		JUNCTION	0.38	0.38	3	09:00	0.00129	
0.00129	0.451							
SSC00004		JUNCTION	0.00	0.00	0	00:00	0	
0	0.000 gal							
SSC00005		JUNCTION	0.38	0.38	3	09:00	0.00129	
0.00129	0.274							
SSC00006		JUNCTION	0.38	0.38	3	09:00	0.00129	
0.00129	0.152							
SSC00007		JUNCTION	0.00	0.00	0	00:00	0	
0	0.000 gal							
SS00203E		JUNCTION	2.06	2.06	3	09:00	0.00706	
0.00706	0.132							
SS00203N		JUNCTION	0.75	0.75	3	09:00	0.00257	
0.00257	0.143							
SS00316		JUNCTION	0.38	1.87	3	09:11	0.00129	
0.0064	0.160							
SS00317		JUNCTION	0.00	248.32	1	09:13	0	
0.867	0.009							
LS00001		JUNCTION	0.00	18.69	0	09:14	0	
0.064	0.225							
WWTF00001		OUTFALL	0.00	1278.76	0	10:24	0	
5.26	0.000							

****
Node Surcharge Summary
****

No nodes were surcharged.

****
Node Flooding Summary
****

No nodes were flooded.

****
Outfall Loading Summary
****

Outfall Node	Flow Freq Pcnt	Avg Flow GPM	Max Flow GPM	Total Volume 10^6 gal
WWTF00001	99.99	950.26	1278.76	5.259
System	99.99	950.26	1278.76	5.259

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Link Flow Summary
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Link	Type	Maximum |Flow| GPM	Time of Max Occurrence days hr:min	Maximum |Veloc| ft/sec	Max/ Full Flow	Max/ Full Depth
SS00001-SS00002	CONDUIT	126.79	3 09:01	2.58	0.07	0.20
SS00002-SS00003	CONDUIT	126.95	3 09:02	2.62	0.08	0.20
SS00003-SS00004	CONDUIT	127.32	3 09:03	3.16	0.06	0.17
SS00004-SS00005	CONDUIT	128.44	3 09:03	4.66	0.04	0.13
SS00005-SS00006	CONDUIT	130.85	3 09:05	3.17	0.07	0.17
SS00006-SS00007	CONDUIT	131.59	3 09:06	2.21	0.11	0.23
SS00007-SS00008	CONDUIT	132.15	3 09:06	2.74	0.08	0.19
SS00008-SS00009	CONDUIT	132.15	3 09:07	3.91	0.05	0.15
SS00009-SS00012	CONDUIT	136.26	3 09:07	3.95	0.05	0.15
SS00010-SS00009	CONDUIT	3.18	3 09:04	1.08	0.00	0.03
SS00011-SS00010	CONDUIT	1.69	0 09:03	1.04	0.00	0.02
SS00012-SS00013	CONDUIT	136.64	3 09:08	5.75	0.03	0.12
SS00013-SS00014	CONDUIT	136.82	0 09:09	2.53	0.10	0.21
SS00014-SS00015	CONDUIT	137.56	0 09:09	4.31	0.05	0.15
SS00015-SS00016	CONDUIT	137.75	3 09:10	2.25	0.12	0.23
SS00016-SS00017	CONDUIT	138.67	3 09:11	2.32	0.11	0.23
SS00017-SS00032	CONDUIT	140.17	3 09:12	2.61	0.10	0.21
SS00018-SS00017	CONDUIT	1.12	3 09:03	0.72	0.00	0.07
SS00019-SS00020	CONDUIT	0.94	0 09:02	0.76	0.00	0.03
SS00020-SS00021	CONDUIT	1.31	3 09:04	1.33	0.00	0.02
SS00021-SS00022	CONDUIT	1.31	3 09:08	1.14	0.00	0.03
SS00022-SS00023	CONDUIT	2.06	3 09:09	0.74	0.00	0.05
SS00023-SS00024	CONDUIT	3.18	3 09:10	0.88	0.01	0.06
SS00024-SS00025	CONDUIT	5.05	3 09:11	0.93	0.01	0.06
SS00025-SS00026	CONDUIT	5.05	3 09:15	1.21	0.00	0.05

SS00026-SS00027	CONDUIT	7.47	3	09:14	1.09	0.01	0.07
SS00027-SS00028	CONDUIT	8.40	3	09:15	1.16	0.01	0.07
SS00028-SS00029	CONDUIT	9.15	3	09:15	2.27	0.00	0.05
SS00029-SS00286	CONDUIT	159.93	3	09:16	1.89	0.22	0.29
SS00030-SS00029	CONDUIT	142.21	3	09:14	2.39	0.11	0.23
SS00031-SS00030	CONDUIT	141.28	3	09:13	2.42	0.11	0.22
SS00032-SS00031	CONDUIT	140.72	3	09:12	2.26	0.12	0.23
SS00033-SS00034	CONDUIT	0.75	3	09:04	0.64	0.00	0.02
SS00034-SS00035	CONDUIT	1.68	3	09:06	0.80	0.00	0.03
SS00035-SS00036	CONDUIT	3.74	3	09:10	0.87	0.00	0.05
SS00036-SS00037	CONDUIT	5.61	3	09:13	0.99	0.01	0.06
SS00037-SS00038	CONDUIT	6.35	3	09:13	1.11	0.01	0.06
SS00038-SS00039	CONDUIT	7.10	3	09:14	1.06	0.01	0.06
SS00039-SS00040	CONDUIT	7.66	3	09:14	1.10	0.01	0.07
SS00040-SS00041	CONDUIT	8.22	3	09:15	1.06	0.01	0.07
SS00041-SS00029	CONDUIT	8.59	3	09:16	2.21	0.00	0.04
SS00042-SS00043	CONDUIT	0.56	3	09:03	0.89	0.00	0.02
SS00043-SS00044	CONDUIT	1.12	3	09:07	0.72	0.00	0.03
SS00044-SS00045	CONDUIT	1.50	0	09:10	1.07	0.00	0.03
SS00045-SS00316	CONDUIT	1.50	3	09:13	0.71	0.00	0.04
SS00046-SS00049	CONDUIT	2.05	3	09:21	1.07	0.00	0.04
SS00047-SS00048	CONDUIT	160.47	3	09:26	2.78	0.18	0.29
SS00048-SS00049	CONDUIT	160.64	3	09:28	2.72	0.18	0.29
SS00049-SS00050	CONDUIT	162.69	3	09:29	2.74	0.19	0.29
SS00050-SS00051	CONDUIT	163.06	0	09:29	2.95	0.17	0.28
SS00051-SS00052	CONDUIT	163.24	3	09:31	2.94	0.17	0.28
SS00052-SS00060	CONDUIT	163.43	3	09:31	3.68	0.12	0.24
SS00053-SS00242	CONDUIT	176.76	3	09:38	1.81	0.15	0.23
SS00054-SS00053	CONDUIT	165.34	3	09:36	5.54	0.04	0.14
SS00055-SS00054	CONDUIT	165.34	3	09:36	6.33	0.03	0.13
SS00056-SS00055	CONDUIT	164.97	3	09:35	5.64	0.04	0.14
SS00057-SS00056	CONDUIT	164.79	3	09:35	3.36	0.08	0.20
SS00058-SS00057	CONDUIT	164.42	3	09:34	3.06	0.10	0.21
SS00059-SS00058	CONDUIT	164.16	3	09:33	4.67	0.05	0.16
SS00060-SS00059	CONDUIT	163.79	3	09:32	4.98	0.05	0.15
SS00061-SS00062	CONDUIT	0.71	0	09:04	1.03	0.00	0.01
SS00062-SS00063	CONDUIT	1.09	3	09:08	1.13	0.00	0.02
SS00063-SS00064	CONDUIT	1.28	3	09:11	1.24	0.00	0.02
SS00064-SS00065	CONDUIT	1.65	3	09:14	0.96	0.00	0.03
SS00065-SS00112	CONDUIT	1.65	0	09:17	0.80	0.00	0.04
SS00066-SS00067	CONDUIT	0.79	3	09:04	0.86	0.00	0.02
SS00067-SS00068	CONDUIT	1.16	3	09:07	0.80	0.00	0.03
SS00068-SS00069	CONDUIT	1.54	3	09:11	0.82	0.00	0.04
SS00069-SS00076	CONDUIT	1.80	3	09:11	0.97	0.00	0.04
SS00070-SS00073	CONDUIT	0.26	3	09:05	0.00	0.00	0.01
SS00071-SS00072	CONDUIT	0.64	3	09:05	0.77	0.00	0.02
SS00072-SS00073	CONDUIT	0.90	3	09:08	0.81	0.00	0.03
SS00073-SS00074	CONDUIT	1.16	3	09:10	0.95	0.00	0.03
SS00074-SS00075	CONDUIT	1.54	3	09:11	1.03	0.00	0.03
SS00075-SS00076	CONDUIT	1.72	3	09:13	1.15	0.00	0.03
SS00076-SS00077	CONDUIT	3.79	3	09:13	1.39	0.00	0.05
SS00077-SS00078	CONDUIT	4.05	0	09:16	1.46	0.00	0.05
SS00078-SS00079	CONDUIT	4.05	3	09:17	1.42	0.00	0.05
SS00079-SS00081	CONDUIT	5.13	3	09:17	1.57	0.01	0.05
SS00080-SS00079	CONDUIT	0.83	3	09:05	0.80	0.00	0.02
SS00081-SS00082	CONDUIT	5.58	3	09:18	1.40	0.01	0.06
SS00082-SS00083	CONDUIT	5.58	3	09:20	1.06	0.01	0.07
SS00083-SS00086	CONDUIT	5.95	0	09:21	1.12	0.01	0.07
SS00084-SS00085	CONDUIT	0.90	3	09:04	0.79	0.00	0.03
SS00085-SS00087	CONDUIT	7.11	3	09:23	1.11	0.01	0.08
SS00086-SS00085	CONDUIT	5.95	3	09:23	1.17	0.01	0.07
SS00087-SS00088	CONDUIT	7.37	3	09:25	1.13	0.02	0.09
SS00088-SS00099	CONDUIT	7.37	3	09:27	1.12	0.02	0.09

SS00089-SS00090	CONDUIT	0.45	3	09:02	0.00	0.00	0.01
SS00090-SS00091	CONDUIT	0.64	3	09:04	1.10	0.00	0.02
SS00091-SS00092	CONDUIT	1.09	3	09:05	1.22	0.00	0.02
SS00092-SS00093	CONDUIT	1.46	0	09:09	0.89	0.00	0.03
SS00093-SS00094	CONDUIT	1.91	3	09:12	0.91	0.00	0.04
SS00094-SS00095	CONDUIT	2.17	0	09:14	0.94	0.00	0.04
SS00095-SS00097	CONDUIT	3.45	3	09:13	1.31	0.00	0.05
SS00096-SS00095	CONDUIT	0.56	3	09:06	0.89	0.00	0.02
SS00097-SS00098	CONDUIT	3.89	0	09:14	1.43	0.00	0.05
SS00098-SS00099	CONDUIT	3.89	3	09:15	2.00	0.00	0.04
SS00099-SS00100	CONDUIT	11.26	3	09:24	2.06	0.01	0.06
SS00100-SS00101	CONDUIT	11.44	3	09:25	2.13	0.01	0.06
SS00101-SS00053	CONDUIT	11.44	3	09:29	1.19	0.03	0.11
SS00102-SS00285	CONDUIT	1278.75	0	10:23	2.75	0.52	0.45
SS00103-SS00102	CONDUIT	917.57	0	10:17	2.77	0.28	0.35
SS00104-SS00103	CONDUIT	917.41	0	10:16	3.14	0.26	0.32
SS00105-SS00104	CONDUIT	917.43	0	10:15	2.71	0.35	0.35
SS00106-SS00105	CONDUIT	917.44	0	10:14	3.29	0.22	0.31
SS00107-SS00106	CONDUIT	917.43	0	10:14	2.95	0.30	0.33
SS00108-SS00107	CONDUIT	917.57	0	10:12	2.27	0.36	0.40
SS00109-SS00108	CONDUIT	917.64	0	10:11	2.66	0.46	0.36
SS00110-SS00109	CONDUIT	917.69	0	10:09	2.65	0.23	0.36
SS00111-SS00110	CONDUIT	918.70	0	10:07	2.06	0.15	0.26
SS00112-SS00113	CONDUIT	1.65	3	09:17	1.46	0.00	0.03
SS00113-SS00114	CONDUIT	2.95	3	09:13	1.22	0.00	0.04
SS00114-SS00115	CONDUIT	3.89	3	09:12	1.51	0.00	0.05
SS00115-SS00116	CONDUIT	4.45	0	09:12	1.59	0.00	0.05
SS00116-SS00117	CONDUIT	5.46	3	09:11	1.66	0.01	0.05
SS00117-SS00118	CONDUIT	5.83	0	09:12	1.62	0.01	0.06
SS00118-SS00119	CONDUIT	6.02	3	09:12	1.99	0.00	0.05
SS00119-SS00120	CONDUIT	6.54	3	09:12	1.87	0.01	0.06
SS00120-SS00121	CONDUIT	11.15	3	09:10	2.86	0.01	0.06
SS00121-SS00122	CONDUIT	11.34	3	09:10	2.84	0.01	0.06
SS00122-SS00123	CONDUIT	12.08	0	09:14	1.28	0.03	0.11
SS00123-SS00183	CONDUIT	20.36	3	09:14	3.11	0.01	0.06
SS00124-SS00123	CONDUIT	7.90	3	09:11	1.25	0.01	0.08
SS00125-SS00284	CONDUIT	7.15	3	09:10	2.51	0.00	0.05
SS00126-SS00125	CONDUIT	6.03	3	09:10	2.17	0.00	0.05
SS00127-SS00126	CONDUIT	1.69	3	09:09	1.10	0.00	0.03
SS00128-SS00127	CONDUIT	1.69	0	09:08	1.08	0.00	0.03
SS00129-SS00128	CONDUIT	1.50	3	09:07	0.98	0.00	0.03
SS00130-SS00129	CONDUIT	1.12	0	09:05	0.81	0.00	0.03
SS00131-SS00130	CONDUIT	0.94	3	09:05	0.82	0.00	0.03
SS00132-SS00131	CONDUIT	0.75	0	09:04	0.77	0.00	0.02
SS00133-SS00126	CONDUIT	3.41	3	09:10	1.19	0.00	0.05
SS00134-SS00133	CONDUIT	3.04	0	09:09	1.14	0.00	0.05
SS00135-SS00134	CONDUIT	2.66	3	09:08	1.04	0.00	0.05
SS00136-SS00135	CONDUIT	2.29	3	09:04	1.03	0.00	0.04
SS00137-SS00284	CONDUIT	0.75	3	09:03	1.00	0.00	0.02
SS00138-SS00139	CONDUIT	0.64	3	09:02	0.97	0.00	0.02
SS00139-SS00140	CONDUIT	1.28	3	09:03	1.08	0.00	0.03
SS00140-SS00141	CONDUIT	2.03	3	09:04	1.17	0.00	0.04
SS00141-SS00142	CONDUIT	2.40	3	09:05	1.31	0.00	0.04
SS00142-SS00143	CONDUIT	3.41	3	09:05	1.42	0.00	0.04
SS00143-SS00144	CONDUIT	3.97	0	09:06	1.42	0.00	0.05
SS00144-SS00120	CONDUIT	4.42	3	09:07	1.43	0.01	0.05
SS00145-SS00152	CONDUIT	0.75	3	09:02	1.05	0.00	0.02
SS00146-SS00147	CONDUIT	0.75	3	09:04	0.72	0.00	0.02
SS00147-SS00148	CONDUIT	0.75	0	09:07	0.66	0.00	0.03
SS00148-SS00149	CONDUIT	0.94	3	09:07	0.85	0.00	0.03
SS00149-SS00150	CONDUIT	2.24	3	09:07	1.22	0.00	0.04
SS00150-SS00161	CONDUIT	74.93	0	09:04	2.15	0.09	0.20
SS00151-SS00150	CONDUIT	72.69	3	09:03	2.00	0.18	0.28

SS00152-SS00151	CONDUIT	0.94	3	09:03	1.20	0.00	0.02
SS00153-SS00151	CONDUIT	71.57	3	09:03	2.55	0.12	0.23
SS00154-SS00153	CONDUIT	71.57	3	09:02	2.06	0.16	0.27
SS00155-SS00154	CONDUIT	63.31	3	09:00	2.82	0.09	0.20
SS00156-SS00157	CONDUIT	0.72	0	09:01	1.05	0.00	0.02
SS00157-SS00158	CONDUIT	3.01	3	09:03	1.59	0.00	0.04
SS00158-SS00154	CONDUIT	5.30	3	09:04	1.93	0.00	0.05
SS00159-SS00154	CONDUIT	2.62	3	09:08	0.85	0.01	0.05
SS00160-SS00159	CONDUIT	1.50	3	09:03	0.55	0.00	0.05
SS00161-SS00162	CONDUIT	74.93	3	09:05	1.69	0.18	0.24
SS00162-SS00184	CONDUIT	74.90	3	09:08	1.98	0.10	0.21
SS00163-SS00164	CONDUIT	20.58	3	09:30	2.21	0.03	0.11
SS00164-SS00165	CONDUIT	22.44	3	09:31	1.18	0.03	0.18
SS00165-SS00166	CONDUIT	23.92	3	09:32	1.13	0.03	0.19
SS00166-SS00167	CONDUIT	25.58	3	09:34	2.58	0.03	0.11
SS00167-SS00168	CONDUIT	27.44	3	09:35	2.56	0.03	0.12
SS00168-SS00169	CONDUIT	29.29	3	09:36	2.63	0.03	0.12
SS00169-SS00170	CONDUIT	30.21	0	09:37	2.78	0.03	0.12
SS00170-SS00173	CONDUIT	36.72	3	09:34	3.17	0.03	0.13
SS00171-SS00170	CONDUIT	6.54	3	09:15	1.39	0.01	0.07
SS00172-SS00171	CONDUIT	6.54	3	09:14	0.66	0.01	0.12
SS00173-SS00179	CONDUIT	36.91	3	09:34	3.73	0.03	0.11
SS00174-SS00172	CONDUIT	6.54	3	09:13	1.26	0.01	0.07
SS00175-SS00174	CONDUIT	4.68	3	09:08	0.38	0.01	0.13
SS00176-SS00175	CONDUIT	2.81	3	09:03	0.69	0.00	0.11
SS00177-SS00176	CONDUIT	0.38	3	09:02	0.00	0.00	0.01
SS00178-SS00176	CONDUIT	0.56	3	09:03	1.00	0.00	0.02
SS00179-SS00180	CONDUIT	307.96	3	09:46	3.44	0.02	0.11
SS00180-SS00296	CONDUIT	307.95	3	09:48	3.06	0.12	0.24
SS00181-SS00179	CONDUIT	271.10	3	09:47	1.67	0.10	0.17
SS00182-SS00181	CONDUIT	271.15	3	09:43	1.73	0.06	0.17
SS00183-SS00182	CONDUIT	95.23	3	09:11	2.63	0.09	0.21
SS00184-SS00183	CONDUIT	74.88	3	09:10	2.09	0.09	0.20
SS00185-SS00186	CONDUIT	1.50	3	09:04	0.75	0.00	0.04
SS00186-SS00187	CONDUIT	3.56	3	09:07	1.04	0.01	0.06
SS00187-SS00188	CONDUIT	4.49	3	09:11	1.17	0.01	0.06
SS00188-SS00189	CONDUIT	5.05	3	09:11	1.49	0.01	0.05
SS00189-SS00190	CONDUIT	6.54	0	09:12	1.75	0.01	0.06
SS00190-SS00191	CONDUIT	7.85	3	09:12	1.77	0.01	0.07
SS00191-SS00214	CONDUIT	23.55	0	09:15	1.92	0.04	0.13
SS00192-SS00191	CONDUIT	15.70	3	09:13	1.56	0.03	0.12
SS00193-SS00192	CONDUIT	14.77	3	09:12	1.71	0.02	0.10
SS00194-SS00193	CONDUIT	14.40	3	09:11	1.72	0.02	0.10
SS00195-SS00194	CONDUIT	3.37	0	09:07	0.99	0.01	0.06
SS00196-SS00195	CONDUIT	1.87	3	09:04	1.17	0.00	0.03
SS00197-SS00198	CONDUIT	0.56	3	09:03	0.97	0.00	0.02
SS00198-SS00199	CONDUIT	4.67	3	09:08	1.27	0.01	0.06
SS00199-SS00200	CONDUIT	5.42	3	09:09	1.21	0.01	0.07
SS00200-SS00194	CONDUIT	10.66	0	09:12	1.29	0.02	0.10
SS00201-SS00200	CONDUIT	4.49	3	09:09	1.21	0.01	0.06
SS00202-SS00201	CONDUIT	3.37	3	09:08	0.99	0.01	0.05
SS00203E-SS00202	CONDUIT	2.06	0	09:06	0.89	0.00	0.04
SS00203N-SS00204	CONDUIT	0.75	3	09:05	0.77	0.00	0.02
SS00204-SS00198	CONDUIT	2.81	3	09:07	0.96	0.00	0.05
SS00205-SS00204	CONDUIT	1.31	3	09:02	0.77	0.00	0.03
SS00206-SS00207	CONDUIT	1.87	3	09:04	0.97	0.00	0.04
SS00207-SS00208	CONDUIT	3.18	3	09:06	1.12	0.00	0.05
SS00208-SS00209	CONDUIT	4.30	3	09:08	1.12	0.01	0.06
SS00209-SS00210	CONDUIT	7.86	3	09:09	1.87	0.01	0.06
SS00210-SS00211	CONDUIT	11.22	3	09:12	1.27	0.02	0.11
SS00211-SS00212	CONDUIT	12.90	3	09:14	1.28	0.01	0.08
SS00212-SS00222	CONDUIT	14.39	3	09:15	1.94	0.01	0.07
SS00213-SS00247	CONDUIT	44.28	3	09:19	1.55	0.04	0.14

SS00214-SS00222	CONDUIT	25.97	0	09:16	3.18	0.01	0.06
SS00215-SS00214	CONDUIT	1.68	3	09:07	1.24	0.00	0.02
SS00216-SS00215	CONDUIT	0.75	3	09:05	0.96	0.00	0.01
SS00217-SS00218	CONDUIT	1.87	3	09:04	0.86	0.00	0.04
SS00218-SS00209	CONDUIT	3.00	3	09:06	1.06	0.00	0.05
SS00219-SS00210	CONDUIT	2.99	3	09:08	0.90	0.01	0.05
SS00220-SS00219	CONDUIT	1.87	3	09:06	0.76	0.00	0.04
SS00221-SS00210	CONDUIT	0.00	0	00:00	0.00	0.00	0.00
SS00222-SS00213	CONDUIT	40.36	3	09:18	1.40	0.04	0.14
SS00223-SS00224	CONDUIT	1.69	3	09:03	0.82	0.00	0.07
SS00224-SS00225	CONDUIT	1.87	0	09:07	0.83	0.00	0.04
SS00225-SS00226	CONDUIT	2.81	3	09:10	0.91	0.01	0.05
SS00226-SS00234	CONDUIT	3.93	3	09:13	0.98	0.01	0.06
SS00227-SS00226	CONDUIT	1.12	3	09:06	0.93	0.00	0.03
SS00228-SS00229	CONDUIT	1.12	3	09:02	0.81	0.00	0.03
SS00229-SS00230	CONDUIT	3.37	3	09:07	0.93	0.01	0.06
SS00230-SS00231	CONDUIT	4.49	3	09:07	1.20	0.01	0.06
SS00231-SS00232	CONDUIT	5.61	3	09:11	1.38	0.01	0.06
SS00232-LS00001	CONDUIT	13.64	3	09:13	2.34	0.01	0.10
SS00233-SS00232	CONDUIT	7.85	3	09:15	1.33	0.01	0.08
SS00234-SS00233	CONDUIT	6.73	3	09:13	1.16	0.01	0.08
SS00235-SS00236	CONDUIT	1.87	3	09:04	0.92	0.00	0.04
SS00236-SS00237	CONDUIT	2.81	3	09:08	0.94	0.00	0.05
SS00237-SS00238	CONDUIT	4.86	3	09:10	1.09	0.01	0.07
SS00238-SS00239	CONDUIT	5.05	3	09:12	1.39	0.01	0.06
SS00239-LS00001	CONDUIT	5.05	3	09:14	0.64	0.01	0.11
SS00240-SS00292	CONDUIT	176.95	3	09:39	4.70	0.02	0.09
SS00241-SS00240	CONDUIT	176.95	3	09:39	4.96	0.01	0.07
SS00242-SS00241	CONDUIT	176.95	0	09:38	2.46	0.10	0.19
SS00243-SS00244	CONDUIT	0.56	3	09:03	0.00	0.00	0.01
SS00244-SS00245	CONDUIT	1.87	3	09:07	0.83	0.00	0.04
SS00245-SS00246	CONDUIT	2.80	3	09:11	1.00	0.00	0.05
SS00246-SS00213	CONDUIT	3.92	3	09:13	1.17	0.01	0.05
SS00247-SS00252	CONDUIT	52.86	3	09:22	1.55	0.06	0.15
SS00248-SS00247	CONDUIT	8.59	0	09:12	1.55	0.01	0.08
SS00249-SS00248	CONDUIT	6.35	3	09:11	1.11	0.01	0.08
SS00250-SS00249	CONDUIT	4.11	3	09:08	0.94	0.01	0.07
SS00251-SS00250	CONDUIT	2.25	3	09:01	1.22	0.00	0.04
SS00252-SS00253	CONDUIT	54.53	3	09:24	1.80	0.04	0.14
SS00253-SS00254	CONDUIT	56.19	0	09:27	1.71	0.05	0.15
SS00254-SS00256	CONDUIT	59.43	3	09:27	3.80	0.02	0.09
SS00255-SS00254	CONDUIT	3.26	3	09:09	0.95	0.01	0.06
SS00256-SS00270	CONDUIT	70.23	1	09:29	3.79	0.02	0.10
SS00257-SS00256	CONDUIT	6.00	0	11:09	1.28	0.01	0.07
SS00258-SS00257	CONDUIT	3.91	0	11:11	1.05	0.01	0.06
SS00259-SS00258	CONDUIT	3.03	3	12:00	0.99	0.01	0.05
SS00260-SS00259	CONDUIT	0.97	2	12:00	0.87	0.00	0.03
SS00261-SS00260	CONDUIT	0.97	0	12:00	0.93	0.00	0.03
SS00262-SS00261	CONDUIT	0.97	0	11:59	0.85	0.00	0.03
SS00263-SS00256	CONDUIT	4.46	1	09:23	0.71	0.02	0.08
SS00264-SS00263	CONDUIT	3.36	3	09:17	0.66	0.01	0.07
SS00265-SS00264	CONDUIT	1.12	3	09:12	0.92	0.00	0.04
SS00266-SS00267	CONDUIT	1.87	3	09:04	0.63	0.01	0.09
SS00267-SS00268	CONDUIT	1.87	0	09:11	0.60	0.01	0.08
SS00268-SS00269	CONDUIT	2.00	0	09:20	0.74	0.00	0.05
SS00269-SS00270	CONDUIT	8.05	0	11:11	1.21	0.02	0.09
SS00270-SS00271	CONDUIT	77.89	1	09:29	3.03	0.03	0.13
SS00271-SS00277	CONDUIT	77.89	1	09:30	2.55	0.03	0.14
SS00272-SS00273	CONDUIT	1.69	3	09:04	0.32	0.00	0.28
SS00273-SS00274	CONDUIT	3.92	3	09:13	0.84	0.01	0.07
SS00274-SS00275	CONDUIT	248.32	1	09:11	4.14	0.11	0.23
SS00275-SS00303	CONDUIT	248.32	1	09:12	4.46	0.10	0.21
SS00276-SS00274	CONDUIT	244.40	1	09:11	5.20	0.08	0.19

SS00277-SS00276	CONDUIT	244.41	1	09:10	5.30	0.08	0.19
SS00278-SS00277	CONDUIT	167.13	1	09:06	3.24	0.28	0.36
SS00279-SS00278	CONDUIT	166.41	3	09:04	3.21	0.29	0.37
SS00280-SS00279	CONDUIT	165.27	3	09:02	3.25	0.23	0.36
SS00281-SS00280	CONDUIT	165.26	1	09:01	2.16	0.56	0.49
SS00282-SS00001	CONDUIT	126.61	3	09:00	3.59	0.17	0.28
SS00283-SS00123	CONDUIT	0.38	3	09:04	0.71	0.00	0.02
SS00284-SS00124	CONDUIT	7.90	3	09:11	2.55	0.01	0.05
SS00285-WWTF00001	CONDUIT	1278.76	0	10:24	3.42	0.44	0.38
SS00286-SS00287	CONDUIT	159.92	0	09:17	2.55	0.38	0.42
SS00287-SS00288	CONDUIT	159.88	0	09:20	2.29	0.47	0.46
SS00288-SS00289	CONDUIT	159.85	3	09:22	2.50	0.39	0.43
SS00289-SS00290	CONDUIT	159.85	3	09:23	2.70	0.34	0.40
SS00290-SS00291	CONDUIT	159.84	3	09:24	4.20	0.19	0.29
SS00291-SS00047	CONDUIT	159.84	0	09:25	2.98	0.30	0.37
SS00292-SS00293	CONDUIT	176.94	3	09:41	3.59	0.03	0.11
SS00293-SS00294	CONDUIT	176.94	3	09:41	3.60	0.02	0.11
SS00294-SS00295	CONDUIT	176.91	0	09:44	2.27	0.05	0.15
SS00295-SS00182	CONDUIT	176.90	3	09:45	2.76	0.04	0.14
SS00296-SS00297	CONDUIT	307.95	3	09:48	4.78	0.07	0.17
SS00297-SS00298	CONDUIT	307.94	3	09:49	4.37	0.08	0.19
SS00298-SS00299	CONDUIT	307.94	3	09:51	3.53	0.10	0.22
SS00299-SS00300	CONDUIT	307.93	3	09:51	2.84	0.09	0.25
SS00300-SS00301	CONDUIT	307.92	3	09:53	2.42	0.20	0.28
SS00301-SS00302	CONDUIT	307.90	0	09:56	2.25	0.22	0.30
SS00302-SS00311	CONDUIT	307.90	3	09:56	1.84	0.40	0.34
SS00303-SS00317	CONDUIT	248.32	1	09:13	5.07	0.08	0.20
SS00304-SS00305	CONDUIT	319.22	1	09:12	5.72	0.05	0.16
SS00305-SS00306	CONDUIT	319.21	1	09:13	4.19	0.08	0.20
SS00306-SS00307	CONDUIT	353.33	1	09:14	4.28	0.09	0.21
SS00307-SS00308	CONDUIT	353.32	1	09:15	4.36	0.09	0.20
SS00308-SS00309	CONDUIT	353.32	1	09:15	4.20	0.10	0.21
SS00309-SS00310	CONDUIT	353.32	1	09:16	4.22	0.10	0.21
SS00310-SS00311	CONDUIT	353.32	1	09:16	5.34	0.06	0.19
SS00311-SS00312	CONDUIT	658.57	3	09:39	2.82	0.17	0.27
SS00312-SS00313	CONDUIT	658.57	1	09:41	2.30	0.23	0.31
SS00313-SS00314	CONDUIT	658.57	1	09:42	2.39	0.22	0.30
SS00314-SS00315	CONDUIT	658.55	1	09:45	2.90	0.17	0.26
SS00315-SS00111	CONDUIT	918.92	0	10:05	2.49	0.11	0.22
SSC00001-SS00255	CONDUIT	1.31	3	09:06	0.64	0.01	0.06
SSC00002-SS00265	CONDUIT	1.12	3	09:09	0.60	0.01	0.05
SSC00003-SS00264	CONDUIT	0.37	3	09:25	0.47	0.00	0.02
SSC00004-SS00225	CONDUIT	0.00	0	00:00	0.00	0.00	0.02
SSC00005-SS00244	CONDUIT	0.37	3	09:09	0.51	0.00	0.02
SSC00006-SS00231	CONDUIT	0.38	3	09:04	0.53	0.00	0.02
SSC00007-SS00015	CONDUIT	0.00	0	00:00	0.00	0.00	0.11
SS00203N-SSS00203E	CONDUIT	0.00	0	00:00	0.00	0.00	0.01
SS00316-SS00046	CONDUIT	1.87	3	09:18	0.82	0.00	0.04
SS00317-SS00304	CONDUIT	248.32	1	09:13	5.17	0.08	0.19
Future_8inch_Pipe	CONDUIT	18.66	3	09:25	1.56	0.04	0.13

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Flow Classification Summary
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	Adjusted	---------- Fraction of Time in Flow Class ----------						
	/Actual	Up	Down	Sub	Sup	Up	Down	Norm Inlet

Conduit	Length	Dry	Dry	Dry	Crit	Crit	Crit	Crit	Ltd Ctrl
SS00001-SS00002	1.00	0.00	0.00	0.00	0.14	0.86	0.00	0.00	1.00 0.00
SS00002-SS00003	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00 0.00
SS00003-SS00004	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00 0.00
SS00004-SS00005	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00 0.00
SS00005-SS00006	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00 0.00
SS00006-SS00007	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00 0.00
SS00007-SS00008	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00 0.00
SS00008-SS00009	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00 0.00
SS00009-SS00012	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00 0.00
SS00010-SS00009	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00 0.00
SS00011-SS00010	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00 0.00
SS00012-SS00013	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00 0.00
SS00013-SS00014	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00 0.00
SS00014-SS00015	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00 0.00
SS00015-SS00016	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00 0.00
SS00016-SS00017	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00 0.00
SS00017-SS00032	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00 0.00
SS00018-SS00017	1.00	0.00	0.00	0.00	0.74	0.01	0.00	0.24	0.69 0.00
SS00019-SS00020	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00 0.00
SS00020-SS00021	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00 0.00
SS00021-SS00022	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00 0.00
SS00022-SS00023	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00 0.00
SS00023-SS00024	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00 0.00
SS00024-SS00025	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00 0.00
SS00025-SS00026	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00 0.00
SS00026-SS00027	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00 0.00
SS00027-SS00028	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00 0.00
SS00028-SS00029	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00 0.00
SS00029-SS00286	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00 0.00

SS00030-SS00029	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00031-SS00030	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00032-SS00031	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00033-SS00034	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00034-SS00035	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00035-SS00036	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00036-SS00037	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00037-SS00038	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00038-SS00039	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00039-SS00040	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00040-SS00041	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00041-SS00029	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00042-SS00043	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00043-SS00044	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00044-SS00045	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00045-SS00316	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00
0.00									
SS00046-SS00049	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00047-SS00048	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00048-SS00049	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00049-SS00050	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00050-SS00051	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.89
0.00									
SS00051-SS00052	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00052-SS00060	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00053-SS00242	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00054-SS00053	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00055-SS00054	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00056-SS00055	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00057-SS00056	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00058-SS00057	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00059-SS00058	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00060-SS00059	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00061-SS00062	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00

0.00									
SS00062-SS00063	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00063-SS00064	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00064-SS00065	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00065-SS00112	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00066-SS00067	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00067-SS00068	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00068-SS00069	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00069-SS00076	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00070-SS00073	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00071-SS00072	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00072-SS00073	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00073-SS00074	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00074-SS00075	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.95
0.00									
SS00075-SS00076	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00076-SS00077	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	0.94
0.00									
SS00077-SS00078	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00078-SS00079	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00079-SS00081	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00080-SS00079	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00081-SS00082	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00082-SS00083	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00083-SS00086	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00084-SS00085	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00085-SS00087	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00086-SS00085	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00087-SS00088	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00088-SS00099	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00089-SS00090	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00090-SS00091	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00091-SS00092	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00092-SS00093	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									

SS00093-SS00094	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00094-SS00095	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00095-SS00097	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00096-SS00095	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00097-SS00098	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00098-SS00099	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00099-SS00100	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00100-SS00101	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00101-SS00053	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00102-SS00285	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00103-SS00102	1.00	0.00	0.00	0.00	0.68	0.00	0.00	0.32	0.00
0.00									
SS00104-SS00103	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00105-SS00104	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
0.00									
SS00106-SS00105	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00107-SS00106	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00108-SS00107	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.24
0.00									
SS00109-SS00108	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00110-SS00109	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
0.00									
SS00111-SS00110	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
0.00									
SS00112-SS00113	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00113-SS00114	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00
0.00									
SS00114-SS00115	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00115-SS00116	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00116-SS00117	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00117-SS00118	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00118-SS00119	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00119-SS00120	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00120-SS00121	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00
0.00									
SS00121-SS00122	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00122-SS00123	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00123-SS00183	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00124-SS00123	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00

0.00									
SS00125-SS00284	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00126-SS00125	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00127-SS00126	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00128-SS00127	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00129-SS00128	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00130-SS00129	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00131-SS00130	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00132-SS00131	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00133-SS00126	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00134-SS00133	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00135-SS00134	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00136-SS00135	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00137-SS00284	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00138-SS00139	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00139-SS00140	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00140-SS00141	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00141-SS00142	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00142-SS00143	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00143-SS00144	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00144-SS00120	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00145-SS00152	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00146-SS00147	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00147-SS00148	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00148-SS00149	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00149-SS00150	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00150-SS00161	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00151-SS00150	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00152-SS00151	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00153-SS00151	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00154-SS00153	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00155-SS00154	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									

SS00156-SS00157	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00157-SS00158	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00158-SS00154	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00159-SS00154	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00160-SS00159	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00
0.00									
SS00161-SS00162	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00162-SS00184	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00163-SS00164	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00164-SS00165	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00
0.00									
SS00165-SS00166	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.99
0.00									
SS00166-SS00167	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00
0.00									
SS00167-SS00168	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00168-SS00169	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00169-SS00170	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00170-SS00173	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00171-SS00170	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00
0.00									
SS00172-SS00171	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.99
0.00									
SS00173-SS00179	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00174-SS00172	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00
0.00									
SS00175-SS00174	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00
0.00									
SS00176-SS00175	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00
0.00									
SS00177-SS00176	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00178-SS00176	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00179-SS00180	1.00	0.00	0.00	0.00	0.00	0.80	0.00	0.20	0.75
0.00									
SS00180-SS00296	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00181-SS00179	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00182-SS00181	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.89
0.00									
SS00183-SS00182	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00184-SS00183	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00185-SS00186	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00186-SS00187	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00187-SS00188	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00

0.00									
SS00188-SS00189	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00189-SS00190	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00190-SS00191	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00191-SS00214	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00192-SS00191	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00193-SS00192	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00194-SS00193	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00195-SS00194	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00196-SS00195	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00197-SS00198	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00198-SS00199	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00199-SS00200	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00200-SS00194	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00201-SS00200	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00202-SS00201	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00203E-SS00202	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00203N-SS00204	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00204-SS00198	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00205-SS00204	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00206-SS00207	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00207-SS00208	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00208-SS00209	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00209-SS00210	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00210-SS00211	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00211-SS00212	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00212-SS00222	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00213-SS00247	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00214-SS00222	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00215-SS00214	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00216-SS00215	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00217-SS00218	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									

SS00218-SS00209	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00219-SS00210	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00220-SS00219	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00221-SS00210	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
SS00222-SS00213	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00223-SS00224	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00
0.00									
SS00224-SS00225	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00225-SS00226	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00226-SS00234	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00227-SS00226	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00228-SS00229	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00229-SS00230	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00230-SS00231	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00
0.00									
SS00231-SS00232	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00232-LS00001	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00
0.00									
SS00233-SS00232	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00234-SS00233	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00235-SS00236	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00236-SS00237	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00237-SS00238	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00238-SS00239	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00239-LS00001	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00
0.00									
SS00240-SS00292	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00
0.00									
SS00241-SS00240	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00
0.00									
SS00242-SS00241	1.00	0.00	0.00	0.00	0.56	0.44	0.00	0.00	0.21
0.00									
SS00243-SS00244	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00244-SS00245	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00245-SS00246	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00246-SS00213	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00247-SS00252	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00248-SS00247	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00249-SS00248	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00

0.00									
SS00250-SS00249	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00251-SS00250	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00
0.00									
SS00252-SS00253	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00253-SS00254	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00254-SS00256	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00255-SS00254	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00256-SS00270	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00257-SS00256	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00258-SS00257	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00259-SS00258	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00260-SS00259	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00261-SS00260	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00262-SS00261	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00263-SS00256	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00264-SS00263	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00265-SS00264	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00266-SS00267	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00
0.00									
SS00267-SS00268	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00268-SS00269	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00269-SS00270	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00270-SS00271	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00271-SS00277	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00
0.00									
SS00272-SS00273	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	1.00
0.00									
SS00273-SS00274	1.00	0.03	0.00	0.00	0.00	0.00	0.00	0.97	0.00
0.00									
SS00274-SS00275	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00275-SS00303	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00276-SS00274	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00277-SS00276	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00278-SS00277	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00279-SS00278	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00280-SS00279	1.00	0.00	0.00	0.00	0.00	1.00	0.00	0.00	1.00
0.00									

SS00281-SS00280	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
0.00									
SS00282-SS00001	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00283-SS00123	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00284-SS00124	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00285-WWTF00001	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
0.00									
SS00286-SS00287	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00287-SS00288	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00288-SS00289	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00289-SS00290	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00290-SS00291	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00291-SS00047	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00292-SS00293	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00
0.00									
SS00293-SS00294	1.00	0.01	0.00	0.00	0.00	0.87	0.00	0.12	0.83
0.00									
SS00294-SS00295	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00
0.00									
SS00295-SS00182	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00
0.00									
SS00296-SS00297	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00297-SS00298	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00298-SS00299	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00299-SS00300	1.00	0.00	0.00	0.00	0.14	0.86	0.00	0.00	0.99
0.00									
SS00300-SS00301	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00301-SS00302	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00302-SS00311	1.00	0.00	0.00	0.00	0.63	0.00	0.00	0.37	0.00
0.00									
SS00303-SS00317	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00304-SS00305	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00305-SS00306	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00306-SS00307	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00307-SS00308	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00308-SS00309	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00309-SS00310	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00310-SS00311	1.00	0.00	0.00	0.00	0.00	0.54	0.00	0.46	0.49
0.00									
SS00311-SS00312	1.00	0.00	0.00	0.00	0.60	0.00	0.00	0.40	0.00
0.00									
SS00312-SS00313	1.00	0.00	0.00	0.00	0.89	0.00	0.00	0.11	0.00

0.00									
SS00313-SS00314	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
0.00									
SS00314-SS00315	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00315-SS00111	1.00	0.00	0.00	0.00	1.00	0.00	0.00	0.00	0.00
0.00									
SSC00001-SS00255	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SSC00002-SS00265	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SSC00003-SS00264	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SSC00004-SS00225	1.00	0.17	0.83	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
SSC00005-SS00244	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SSC00006-SS00231	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SSC00007-SS00015	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
SS00203N-SSS00203E	1.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00
0.00									
SS00316-SS00046	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
SS00317-SS00304	1.00	0.00	0.00	0.00	0.00	0.00	0.00	1.00	0.00
0.00									
Future_8inch_Pipe	1.00	0.00	0.00	0.00	0.11	0.89	0.00	0.00	0.00
0.00									

****
Conduit Surcharge Summary
****

No conduits were surcharged.

Analysis begun on: Fri Jan 27 08:43:36 2017
Analysis ended on: Fri Jan 27 08:45:51 2017
Total elapsed time: 00:02:15