

CITY OF TYLER
CONSENT DECREE, DOJ No. 90-5-1-1-09767

2018 ANNUAL REPORT
1 JANUARY 2018 THROUGH 31 DECEMBER 2018

Enclosed is the City of Tyler Annual Report for the reporting period of 1 January 2018 through 31 December 2018. The report structure follows the requirements listed in "Appendix I – Consolidated Listing of *United States et. al v. City of Tyler* Consent Decree Deliverables and Consent Decree Reports". Each tab represents the following sections:

Section A	CMOM Program
Section B	Trend Analysis
Section C	Quarterly Reports
Section D	Training Program
Section E	SSO Reporting
Section F	System-Wide Routine Cleaning Program
Section G	Revised High Frequency Cleaning Program
Section H	Root Control Program
Section I	Completion of Condition Assessment Activities
Section J	FOG Enforcement Program
Section K	Completion of Capacity Remedial Measures
Section L	Completion of Condition Remedial Measures
Section M	Completion of Lift Station Remedial Measures
Section N	Completion of Force Main Remedial Measures
Section O	Additional Constructed SSO Locations

CERTIFICATION:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering such information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including possibility of fine and imprisonment for knowing violations.



ReNissa Wade
Interim Managing Director of Utilities and Public Works

2-25-19

Date

Section A. CMOM Program (Paragraph 88.a):

The certified Final Capacity, Management, Operation, and Maintenance (CMOM) Program, was submitted to the Associate Director, Water Enforcement Branch, Compliance Assurance and Enforcement Division, U.S. Environmental Protection Agency, Region 6 (EPA), and Mr. James Sallans, Litigation Division, MC-175, Texas Commission on Environmental Quality (TCEQ) on 5 October 2017, prior to the requirement (Paragraph 16) that it be submitted no later than one (1) year after the Consent Decree Effective Date of 10 April 2017. City of Tyler received comments on its Final CMOM Program from EPA, incorporated them 4 April 2018, and received an email confirming the Final CMOM Program (CMOM Program) acceptance 20 November 2018 from Mr. Alan Vaughn, U.S. Environmental Protection Agency, Region 6. A summary of the status of each CMOM Program component is listed in the paragraphs below.

A.1 Training Program

The technical and skills training program, as detailed in Appendix B of the CMOM Program, and in compliance with Paragraphs 19 and 20 of the Consent Decree, has been implemented at Tyler Water Utilities (TWU). Specific training is outlined for specific job categories and roles. Training records are maintained for each employee, and are included in Section D of this Annual Report for 2018. No changes to this program have been made at this time.

A.2 Sewer Overflow Response Plan (SORP)

A Sewer Overflow Response Plan, as detailed in Appendix D of the CMOM Program, and in compliance with Paragraph 21 of the Consent Decree, has been implemented at TWU. No changes to this plan have been made at this time.

A.3 SSO Reporting and Documentation Procedures

The SORP provides written procedures for sanitary sewer overflow (SSO) reporting and documentation, in compliance with Paragraphs 22 – 27 of the Consent Decree. TWU Standard Operating Procedures (SOPs), included in Appendix A of the CMOM Program, address requirements in said paragraphs and are currently implemented and in use to report and

document SSOs. Records for 2018 are included in Section E of this Annual Report. No changes to these procedures have been made at this time.

A.4 System-Wide Routine Cleaning Program

In compliance with Paragraphs 28 – 30 of the Consent Decree, and as explained in Section 3.5 of the CMOM Program, a TWU developed system wide cleaning program is ongoing. Documentation of said cleaning for 2018 is included in Section F of this Annual Report. No changes to this program have been made at this time.

A.5 Revised High Frequency Cleaning Program

TWU staff, in compliance with Paragraphs 31 – 33 of the Consent Decree, developed and implemented a High Frequency Cleaning Program. Said High Frequency Cleaning Program is included in Appendix E of the CMOM Program. Changes to the high-frequency cleaning program are documented in Section G of this Annual Report. No changes to these procedures have been made at this time.

A.6 Sewer System Internal Inspection Program

TWU staff developed an ongoing Sewer System Internal Inspection Program, in compliance with Paragraphs 34 – 35 of the Consent Decree. Said Sewer System Internal Inspection Program will be implemented following completion of the Assessment of Gravity Sewer Lines required in Paragraph 58 of the Consent Decree. Section 3.2 of the CMOM Program presents this inspection program; Appendix F of the CMOM Program details components of the Condition Assessment as related to gravity sewer lines. No changes to this program have been made at this time.

A.7 Sewer System Manhole Inspection Program

TWU staff developed an ongoing Sewer System Manhole Inspection Program, in compliance with Paragraphs 36 – 37 of the Consent Decree. Said Sewer System Manhole Inspection Program will be implemented following completion of the Assessment of Manholes required in Paragraph 59 of the Consent Decree. Section 3.3 of the CMOM Program presents this inspection program; Appendix F of the CMOM Program details components of the Condition Assessment as related to manholes. No changes to this program have been made at this time.

A.8 Lift Station Preventative Maintenance Plan

In compliance with Paragraph 38 of the Consent Decree, TWU developed a Lift Station Preventive Maintenance Plan. Said Lift Station Preventive Maintenance Plan utilizes TWU SOPs, included in Appendix A of the CMOM Program. TWU will utilize Cityworks™ to track preventive maintenance work orders. No changes to this plan have been made at this time.

A.9 Fats, Oils, and Grease (FOG) Control Program

In compliance with Paragraphs 39 – 40 of the Consent Decree, a comprehensive FOG Control Program, as detailed in the CMOM Program, Appendix C, was developed. This FOG Control Program has been implemented and an ordinance has been adopted. No changes to this program have been made at this time.

A.10 Root Control Program

TWU staff developed a Root Control Program, in compliance with Paragraphs 41 – 43 of the Consent Decree. This Root Control Program is detailed in Section 7 of the CMOM Program. No changes to this program have been made at this time.

A.11 Information Management System

TWU, in compliance with Paragraphs 44 – 49 of the Consent Decree, updated its Information Management System (IMS) system to Cityworks™. The Asset Management System (AMS) system is integrated with City of Tyler's Geographical Information System (GIS) to create a Spatial Data Management System (SDMS). Sections 2.8 and 2.9 of the CMOM Program describe the IMS and SDMS plan. No substantial changes to this system have been made at this time. However, as TWU utilities becomes more familiar with Cityworks™, data gathering, processing, and management has improved and become more effective.

Section B. Trend Analysis (Paragraph 88.b):

An analysis of the number, volume, duration, and cause of SSOs over a 24-month rolling time period is required by the Consent Decree. In the period from 1 January 2017 through 31 December 2017, there were 102 SSOs, as compared to 82 in the 1 January 2018 through 31 December 2018 period.

This is a reduction of approximately 20 percent in the number of SSOs. Although there was a decrease in the number of SSOs, there was a significant increase in the volume discharged. Releases during 2017 totaled of 629,809 gallons, as compared to 854,733 gallons in 2018. The significant increase was due to one (1) SSO in 2018 associated with a 42" steel line that crossed Black Fork Creek. Said line collapsed during a heavy rain event, resulting in a release of approximately 760,000 gallons of sanitary sewer into Black Fork Creek near the intersection of CR 427 and FM 2016 on 19 November 2018.

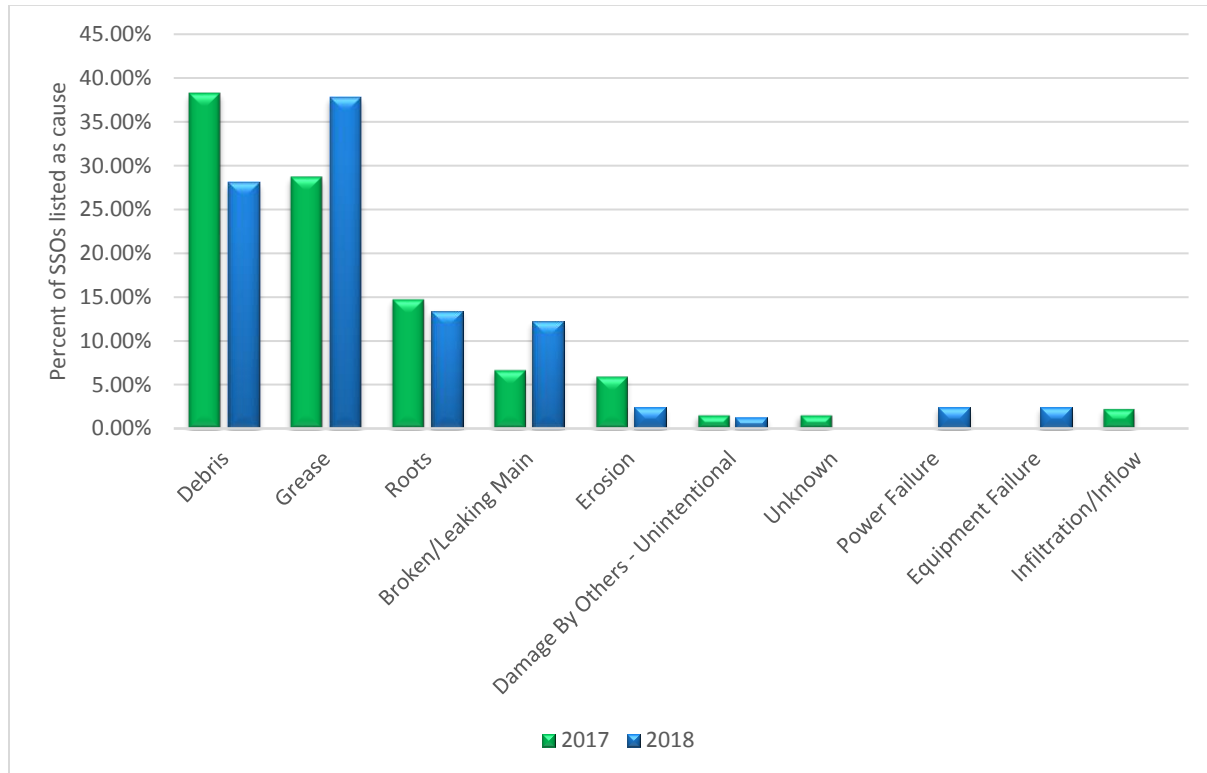
Until approximately 15 September 2018 the Tyler, Texas area was in a drought and behind in its normal annual rainfall of 45.79 inches per year. However, by the end of 2018, the Tyler, Texas area had received 50.76 inches, nearly five (5) inches above the average.

The average duration of SSOs increased from 106 minutes during the 1 January 2017 through 31 December 2017 period, to 512 minutes during the 1 January 2018 through 31 December 2018 period. The increase was due primarily to a delay in accessing and/or abating the SSO source. The largest release during 2018, as discussed above, demonstrates the difficulty in accessing certain areas of City of Tyler's wastewater collection system. This SSO, as well as seven (7) significant others totaled 816,635 of the 854,733 gallons during the 1 January 2018 through 31 December 2018 period. These were all from broken pipes, and tended to be in difficult to access areas.

Thus, City of Tyler has elected to inspect all gravity mainlines over 18 inches in diameter during the 1 January 2019 through 31 December 2019 reporting period. The goal is to gain condition information of lines with the greatest potential to discharge a large volume of wastewater. Condition assessment of the remainder of the system will continue on schedule.

An analysis of the cause of SSOs in 2017 and 2018 shows that the largest percentage of SSOs were due to grease. **Figure B-1** below illustrates the causal comparisons.

Figure B-1: Cause of SSOs in 2017 and 2018



The majority of SSOs occurred due to debris, grease, and/or roots or a combination of the three (3) causes. City of Tyler is implementing various CMOM Program components to help prevent, mitigate, and decrease the number of SSOs. The high frequency and city-wide cleaning programs along with the FOG program implementation are targeted CMOM Program components identified to reduce SSOs. Efficient and thorough utilization of the Cityworks™ AMS is key to successfully performing and tracking preventative maintenance and remedial activities.

Section C. Quarterly Reports (Paragraph 88.c):

A compilation of the quarterly reports submitted during the 1 January 2018 through 31 December 2018 reporting period are attached.

During an audit of the information for this Annual Report, some errors were discovered in the “Quarterly Report - 2018 Quarter 4”. These errors include: thirteen (13) locations that were incorrectly indicated as having a previous SSO; two (2) locations that were correctly indicated as having a previous SSO, but the date of said SSO was not included; and previously reported SSOs for two (2) lift stations were inadvertently not included in the said Quarterly Report. The “Revised Quarterly Report – 2018 Quarter 4” is included, and these corrections are indicated in italics.

City of Tyler
Consent Decree, DOJ No. 90-5-1-1-09767
Quarterly Report - 2018 Quarter 1
January 1, 2018 through March 31, 2018

Start Date	Start Time	End Date	End Time	Address/Location	Asset ID	Receiving Stream	Estimated Volume Discharged (gal)	Estimated Volume Recovered (gal)	Component from which SSO was Released	Suspected Cause of SSO	Potential Impact on Human Health and Environment	Repeat SSO? If yes, list date(s) of previous SSO(s) at this address/asset	Comments / Response to SSO	Follow-up Actions Taken	Public Notification Made?
1/5/2018	5:19 PM	1/5/2018	7:19 PM	8393 Garrett	T0000544	Contained in Street	60	0	Manhole	Grease & Debris	none	no	Manhole overflowed about 60 gals of sewer. Contained in street. Disinfected area and washed down with about 400 gals of fresh water. Returned about 300 gals of sewer and water back into system	1/6/18: Cabled main; 1/8/18: Camera'ed main; 1/9/18: Washed main.	no
1/5/2018	5:53 PM	1/5/2018	9:15 PM	N. Virginia & E. Line	T0005615	Contained in Street	75	0	Manhole	Grease & Roots	none	no	Manhole overflowed about 75 gals of sewer. Cleaned up, disinfected area and washed down with about 100 gals of fresh water. Unable to retrieve any of the spillage.	1/6/18: Cabled main; 1/9/18: Washed main; 1/10/18: Camera'ed main.	no
1/6/2018	3:12 PM	1/6/2018	6:15 PM	3133 Vineyard	T0002396	Storm Drain inlet	183	0	Manhole	Debris	none	no	Manhole overflowed about 183 gals of sewer in to storm drain inlet. Disinfected area and flushed 20,500 gals of fresh water from fire hydrant (FH). Unable to retrieve any of spill.	1/6/18: Cabled main; 1/8/18: Washed main; 1/10/18: Camera'ed main.	no
1/17/2018	3:57 PM	1/17/2018	4:30 PM	3307 Carver	T0010262	Contained on Ground	66	0	Clean-out	Debris	none	no	6" cleanout overflowed about 66 gals of sewer, was able to contain on the ground. Disinfected area. Unable to retrieve any of the spillage.	1/19/18: Camera'ed main; 1/19/18: Washed main; 1/30/18: Cabled main.	no
1/26/2018	8:29 PM	1/26/2018	9:50 PM	506 S. Vine	T0009095	Contained on Ground	31	31	Private clean-out	Grease & Roots	none	no	Public main stop. Private clean-out overflowed in yard about 31 gals of sewer. Disinfected area and washed down. Also had overflow in premise, about 50 gals. Helped owner cleanup areas and disinfect and mop.	1/27/18: Cabled main; 1/29/18: Washed main; 1/30/18: Camera'ed main.	no
1/30/2018	10:56 AM	1/30/2018	11:40 AM	5502 S. Broadway	T0004149	Trib M-3 to WMC	220	1,500	Manhole	Grease & Roots	none	no	Manhole overflowed about 220 gals of sewer into the creek. Disinfected area and flushed about 8000 gals of fresh water into creek. Set up down stream and vac'd about 1500 gals of sewer and creek water and returned to system.	1/30/18: Washed main; 2/1/18: Cabled and Camera'ed main.	no
2/2/2018	4:40 PM	2/2/2018	8:17 PM	1800 Pinecrest	T0005480	Trib B-1B to 8FC	9,765	81,000	Pipe	Creek Erosion	none	no	Found 8 inch sewer main missing about 4 feet of pipe. Overflowed about 9,765 gals of sewer. Setup pumping downstream and pumped about 81,000 gals of sewer and creek water back in to system. Flushed about 64,500 gals of fresh water into creek. Made repairs.	2/2/8: Replaced section of pipe and cabled main; 2/3/18: Washed main; 2/6/18: Camera'ed main.	no
2/4/2018	2:07 PM	2/4/2018	3:39 PM	1405 Mockingbird	T0007129	Yard	10	0	Private Clean-out	Grease & Debris	none	no	Private cleanout overflowed about 10 gals. Disinfected and washed down area. Unable to retrieve any of the spillage.	2/4/18: Washed main; 2/5/18 Cabled and camera'ed main.	no
2/14/2018	12:01 PM	2/14/2018	12:53 PM	924 N. Parkdale	T0000397	Ground	104	0	Pipe	Broken Pipe	none	no	Walking sewer main outfall, found sewer leaking up from the ground in the backyard woods. Disinfected area with HTH and washed down with about 700 gals of fresh water. Unable to retrieve any of the overflow.	2/15/18: Cabled main; 2/16/18: Washed and camera'ed main.	no

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Quarterly Report - 2018 Quarter 1
January 1, 2018 through March 31, 2018

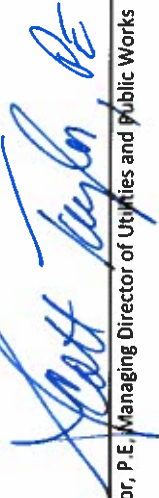
Start Date	Start Time	End Date	End Time	Address/Location	Asset ID	Receiving Stream	Estimated Volume Discharged (gal)	Estimated Volume Recovered (gal)	Component from which SSO was Released	Suspected Cause of SSO	Potential Impact on Human Health and Environment	Repeat SSO? If yes, list date(s) of previous SSO(s) at this address/asset	Comments / Response to SSO	Follow-up Actions Taken	Public Notification Made?
2/20/2018	11:11 AM	2/20/2018	12:11 PM	4100 Troup Hwy	T0005583	Trib M-6 to WMC	1,500	5,000	Manhole	Grease	none	no	Manhole overflowed about 1,500 gals of sewer. Disinfected area and washed down with about 40,800 gals of fresh water. Set up down stream and vac'd about 5,000 gals of sewer and creek water back in to system.	2/20/18: Cabled and washed main; 2/23/18: Camera'd main.	no
2/26/2018	6:06 PM	2/26/2018	6:57 PM	714 Shelley	T0003405	Contained In Street	13	15	Manhole	Debris	none	no	Disinfected area with HTH and washed down with about 35 gals of fresh water. Returned about 15 gals of sewer and water back in to system.	2/26/18: Cabled and camera'd main; 2/27/18: Washed main.	no
2/23/2018	9:51 AM	2/23/2018	10:17 AM	1313 Pabst	T0013172	Trib D-1 to BFC	52	2,500	Manhole	Grease	none	no	About 52 gals of sewer overflowed in to the creek. Set up pumping down stream. Flushed about 4,200 gals of fresh water into creek and pumped about 2,500 gals of sewer and water back in to system. Disinfected area with HTH.	2/23/18: Cabled, washed and camera'd main.	no
2/23/2018	9:14 AM	2/23/2018	10:00 AM	2602 Shenandoah	T0008884	Trib BF-22.3 to BFC	460	2,500	MH	Grease & Debris	none	no	About 460 gals of sewer overflowed from a manhole into the creek. Disinfected area around manhole and set up pumping downstream. Flushed about 16,000 gals of fresh water into creek and pumped about 2,500 gals of sewer & creek water back into system.	2/23/18: Washed main.	no
3/1/2018	8:37 AM	3/1/2018	8:50 AM	2714 Tenneha	T0008164	Contained on ground	1	5	Private clean-out	Roots & Debris	none	no	Public sewer stop caused private clean-out to overflow about 1 gal. Disinfected area around clean-out with HTH, washed down with about 5 gals of fresh water and cleaned up.	3/1/18: Cabled main; 3/2/18: Washed and camera'd main.	no
3/5/2018	3:43 PM	3/5/2018	4:15 PM	2102 Boldt	T0008852	Contained in Yard	64	100	Private clean-out	Debris	none	no	Disinfected area with HTH and washed down with about 200 gals of fresh water. About 100 gals of sewer and water returned to system.	3/5/18: Cabled main; 3/6/18: Washed main; 3/8/18: Camera'd main.	no
3/5/2018	11:03 AM	3/5/2018	11:23 AM	Beechwood & Harwood	T0004005	Trib C-3 to WMC	60	2000	MH	Roots & Debris	none	no	Disinfected area with HTH. Flushed creek with about 4000 gals of fresh water. Set up downstream and pumped about 2000 gals of sewer and creek water back in to system. Also had overflow in-premise report.	3/5/18: Cabled and washed main; 3/6/18: Camera'd main.	no
3/7/2018	3:13 PM	3/7/2018	3:53 PM	6150 Rhones Quarter	T0000065	Contained on ground	800	800	Force Main	Contractor Damage	none	no	The mobile home park has a private collection system. We first believed it to be a private issue. They dug it up and found the force main. We made the repair. Disinfected the area and washed down with about 500 gals of fresh water. Private pumping contractor cleaned up the area and returned to our system.	N/A	no
3/9/2018	8:51 PM	3/9/2018	9:16 PM	1820 Don	T0004243	BFC Trib M-1	6	500	Private clean-out	Grease & Debris	none	no	About 6 gals of sewer overflowed into a flowing creek. Disinfected area and washed down with about 50 gals of fresh water. Set up downstream and vac'd about 500 gals of sewer & creek water back in to system.	3/9/18: Cabled, washed and camera'd main.	no

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Quarterly Report - 2018 Quarter 1
January 1, 2018 through March 31, 2018

Start Date	Start Time	End Date	End Time	Address/Location	Asset ID	Receiving Stream	Estimated Volume Discharged (gal)	Estimated Volume Recovered (gal)	Component from which SSO was Released	Suspected Cause of SSO	Potential Impact on Human Health and Environment	Repeat SSO? If yes, list date(s) of previous SSO(s) at this address/asset	Comments / Response to SSO	Follow-up Actions Taken	Public Notification Made?
3/16/2018	9:45 AM	3/16/2018	11:30 AM	725 Beth	T0009891	WMC Trib M2.2	525	2,100	Manhole	Grease & Debris	none	no	Manhole overflowed about 525 gals of sewer into a flowing creek. Disinfected area and washed down area. Flushed about 21,000 gals of fresh water into the creek. Set up downstream and pumped about 2,500 gals of sewer and creek water back into the system.	3/16/18: Cabled main; 3/17/18: Washed main; 3/19/18: Camera'd main.	no
3/16/2018	12:56 PM	3/16/2018	1:07 PM	715 E. Line	T0004588	Street	44	200	Manhole	Debris	none	no	Manhole overflowed about 44 gals of sewer. Disinfected area and washed down with about 156 gals of fresh water. Vac'd up about 200 gals of sewer and fresh water. Returned to system.	3/17/18: Washed main; 3/19/18: Cabled and camera'd main.	no
3/26/2018	9:56 AM	3/26/2018	10:16 AM	1811 Rickety	T0006138	WMC Trib M-6	200	1,000	Manhole	Grease	none	no	Manhole overflowed about 200 gals of sewer into flowing creek. Disinfected area around manhole and flushed about 4,000 gals of fresh water in to creek. We set up downstream and pumped about 1,000 gals of sewer and creek water back in to system.	3/26/18: Cabled main; 3/27/18: Washed and camera'd main.	no
3/26/2018	6:15 PM	3/26/2018	7:10 PM	Grand Ave & Mimms	T0003026	BFC Trib 3.3	55	0	Manhole	Grease	none	no	Manhole overflowed about 55 gals into flowing creek. Disinfected area around manhole and flushed about 12,000 gals of fresh water in to creek. Could not retrieve any of the overflow.	3/27/18: Cabled, washed and camera'd main.	no

CERTIFICATION:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering such information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including possibility of fine and imprisonment for knowing violations.



Scott Taylor, P.E. Managing Director of Utilities and Public Works
4/19/18

Date

City of Tyler

Consent Decree, DOJ No. 90-5-1-1-09767

Quarterly Report - 2018 Quarter 2

April 1, 2018 through June 30, 2018

Start Date	Start Time	End Date	End Time	Address/Location	Asset ID	Receiving Stream	Estimated Volume Discharged (gal)	Estimated Volume Recovered (gal)	Component from which SSO was Released	Suspected Cause of SSO	Potential Impact on Human Health and Environment	Repeat SSO? If yes, list date(s) of previous SSO(s) at this address/asset	Comments / Response to SSO	Follow-up Actions Taken	Public Notification Made?
4/5/2018	11:15 AM	4/5/2018	3:00 PM	4085 Hogan	T0010137	IC Trib 1.2	6000	0	Lift Station	Broken Pipe	Yes	no	Plugged 10" sewer main. Setup by-pass pumping.	4/9/2018 cabled, washed and CCTVed main.	No
4/6/2018	8:06 AM	4/6/2018	12:25 PM	1601 Everglades	T0003985	Trib M-5 to WMC	3855	40000	MH	Grease	Yes	No	Arrived at location and followed creek to 4600 Paluxy. MH on the east side of Paluxy was overflowing. MH overflowing approximately 15 GPM flowing into flowing creek. Knocked stop off at 12:25 PM approximately 3,855 gallons of sewer into creek. Set up at 1511 Yosemite, opened two fire hydrants one at 4600 Paluxy and onee at 1826 Sequoia. Opened at approximately 200 GPM per fire hydrant a total of 400 GPM cleaned up solids and sanitized area.	4/6/2018: pumped creek and washed main; 4/10/2018: cabled and CCTVed main.	No
4/4/2018	1:38 PM	4/4/2018	2:08 PM	Earl Campbell Pkwy	T0011053	Storm Drain inlet	30	1030	MH	Grease	No	no	Arrived at location, unit 607 already on site MH in the street was leaking approximately 1 GPM got the top off at 2:08 PM. Approximately 30 gallons of sewer contained in storm drain inlet box. Sanitized with HTH washed down with approximately 500 gallons of fresh water. Used vac truck to flush 1000 gallons of fresh water into the system.	4/6/2108: cabled main; 4/11/2018: washed main; 4/12/2018 CCTVed main.	No
4/21/2018	12:55 PM	4/21/2018	1:30 PM	3715 wynnwood	T0000703	Trib C-1 to WMC	70	0	co	grease	no	no	C/O leaking 2 gpm into flowing creek. Came in at 12:55 pm relieved stop @1:30 pm. Approximately 70 gallons of sewer entering flowing creek. Disinfected & cleaned up and flushed 12,500 gallons of fresh water. Raining outside so sewer was unretrievable. Ran MH @ 3815 Wynnwood north 30ft to relieve stop. This was a grease stop.	New manhole installed. 4/21/2018: cabled main; 4/23/2018: washed and CCTVed main.	No
4/23/2018	12:18 PM	4/23/2018	12:21 PM	2695 ssw loop 323	T001148	contained in yard	2	52	MH	grease	no	no	Arrived at location and manhole was seeping 2 gpm. We ran 250 feet and relieved stop at 80 feet. We disinfected around manhole. Flushed 50 gallons of water from vac truck and vac'd up 52 gallons of sewer contained in yard and returned it back into sewer main.	Repair of sewer main. 4/24/2018: cleaned and CCTVed main.	No
4/24/2018	8:00 PM	4/24/2018	9:00 PM	720 Rosedale	T0002972	Trib D-1 to BFC	30	18,030	MH	Debris	no	no	MH @ 720 Rosedale overflowing approximately 0.5 GPM. Hit stop at 420 ft relieved stop at 430 ft. Approximately 30 gallons of sewer flowed into storm drain and into creek, called crew to pump creek. Sanitized area with HTH and 250 gallons of fresh water. Opened the fire hydrant at 1118 E. Gentry at approximately 300 GPM. 18,000 gallons of fresh water flushed back into creek.	4/25/2018: cabled, cleaned and CCTVed main.	No

City of Tyler

Consent Decree, DOI No. 90-5-1-1-09767

Quarterly Report - 2018 Quarter 2

April 1, 2018 through June 30, 2018

Start Date	Start Time	End Date	End Time	Address/Location	Asset ID	Receiving Stream	Estimated Volume Discharged (gal)	Estimated Volume Recovered (gal)	Component from which SSO was Released	Suspected Cause of SSO	Potential Impact on Human Health and Environment	Repeat SSO? If yes, list date(s) of previous SSO(s) at this address/asset	Comments / Response to SSO	Follow-up Actions Taken	Public Notification Made?
4/27/2018	1:03 PM	4/27/2018	1:58 PM	S. Palace & Connally	T0007092	Storm Drain inlet	14	513	MH	Debris	No	No	Noticed manhole leaking approximately 5 gpm at Connally and went to downstream manhole at South Palace. Ran west 150 feet hit stop at 140 feet. Relieved stop at 145 feet. Approximately 13.5 gallons of sewer contained in the curb and gutter. Vac'ed up sewer from curb, sanitized with HTH. Opened fire hydrant and flushed approx. 500 gallons of fresh water.	4/27/2018: cabled, cleaned and CCTVed main.	No
4/27/2018	12:06 PM	4/27/2018	1:16 PM	Connally & Old Noonday	T0008770	Storm Drain inlet	35	535	MH	Debris	No	No	Arrived at location saw the manhole at Connally and South Glenwood was leaking approximately 0.5 gpm. Went to downstream manhole and 1016 Rusk. Ran south 353 feet hit stop at 300 feet relieved stop at 320 feet. 35 gallons of sewer contained in storm drain. Opened fire hydrant flushed and vac'ed up 535 gallons of water & sewer and sanitized with HTH. Washed down around manhole.	4/27/2018: cabled, cleaned and CCTVed main.	No
5/11/2018	3:36 PM	5/11/2018	6:00 PM	2695 SSW loop 323	T0003461	Indian Creek	2880	18000	GM	Break	No	No	Followed creek upstream following the creek and found where a part of the 10" main had come apart. Discharging sewer approx. 20gpm, called unit 607 to get a crew to come and repair main. Approximately 2880 gallons of sewer in flowing creek. Crew set up down stream at Cascade Dr. to pump creek. Opened fire hydrant upstream beside SSW Loop 323. Flushed approx 12,000 gallons of fresh water back into creek. Sanitized creek with HTH and poured dye for a visual to let the crew know when fresh water had arrived to them. Crew pumped approximately 18,000 gallons of sewer, creek water and fresh water pumped back into sewer system.	5/11/2018: repaired main; 5/12/2018: washed main; 5/14/2018 CCTVed main; 5/16/2018: cabled main.	No
5/23/2018	8:09 AM	5/23/2018	11:43 AM	2714 Mcdonald Rd	T0003850	Trib 8F-22 to BFC	2,560	10,000	MH	Grease	No	No	Knocked stop off @ 11:43 AM. MH @ Loop 323 & Mcdonald Rd was leaking approximately 20gpm. The stop was in the invert of mh. Approximately 2560 Gal of sewer entered flowing creek. Flushed with 15,450 gal of fresh water into creek. Vac'ed & retrieved 10,000 gal of fresh water, sewer & creek water mix from creek and pumped back into sewer system.	5/24/2018: washed and CCTVed main; 5/25/2018 cabled main.	No
5/30/2018	8:28 AM	5/30/2018	11:28 AM	Rickety & Sybil	T0002711	Trib M-6 to WMC	1800	3000	MH	Grease	no	no	Found manhole overflowing 10 gpm resulting in 1800 gallons in creek. We disinfected around manhole and pumped creek.	5/30/2018: cabled, washed and CCTVed main.	No

Quarterly Report - 2018 Quarter 2
April 1, 2018 through June 30, 2018

Start Date	Start Time	End Date	End Time	Address/Location	Asset ID	Receiving Stream	Estimated Volume Discharged (gal)	Estimated Volume Recovered (gal)	Component from which SSO was Released	Suspected Cause of SSO	Potential Impact on Human Health and Environment	Repeat SSO? If yes, list date(s) of previous SSO(s) at this address/asset	Comments / Response to SSO	Follow-up Actions Taken	Public Notification Made?
6/5/2018	9:40 AM	6/5/2018	10:48 AM	4053 troupp HWY	T0005585	Trib M-6 to WMC	1360	54,360	mh	Broken Pipe	no	no	Found manhole at 2504 Troup Hwy. Ran east 5 feet and knocked off stop. 1360 gallons of sewer in creek. Set up to vac out sewer from creek. Opened fire hydrant at 3900 Troup Hwy at 200 gpm. Sanitized creek with HTH and added green dye for visual. Opened hydrant at 11:30 am, ran fresh water back into creek. Closed hydrant at 3:40 pm at 200 gpm. 50,000 gallons of fresh water into creek. Vac'ed out 6 loads of sewer, water and creek water mix for a total of 15,000 gallons and put back into the system.	6/6/2018: repaired and cabled main; 6/7/2018: washed main; 6/8/2018: CCTVed main.	No
6/17/2018	5:12 PM	6/17/2018	5:45 PM	Hwy 14 & CR 328	Lift Station	N/A	33	33	Lift Station	Lift Station	No	No	Arrived at above location assist with lift station it was leaking 1 gpm for a total of 33 gallons of sewer contained in yard it was disinfected, washed down and returned to system.	Cleaned and contacted lift station technician	No
6/22/2018	4:11 PM	6/22/2018	6:00 PM	Broadway & 1st	T0008991	N/A	450	5000	MH	Grease	No	No	Arrived at location manhole overflowing approximately 490 gal of sewer. Entered storm drain and contained in storm drain box. Ran about 710 ft to next MH to knock off stop. Wash down street and disinfected with HTH and 2000 gal fresh water. Vac'ed out storm drain box and retrieved sewer & fresh water, approximately 5000gal and returned to system.	6/25/2018: cabled and washed main; 6/26/2018: CCTVed main.	No

CERTIFICATION:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering such information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including possibility of fine and imprisonment for knowing violations.



Scott Taylor, P.E. Managing Director of Utilities and Public Works

9/29/17

Date

City of Tyler															
Consent Decree, DOJ No. 90-5-1-1-09767															
Quarterly Report - 2018 Quarter 3															
01 July 2018 through 30 September 2018															
Start Date	Start Time	End Date	End Time	Address / Location	Asset ID	Receiving Stream	Estimated Volume Discharged (gal)	Estimated Volume Recovered (gal)	Component from which SSO was Released	Suspected Cause of SSO	Potential Impact on Human Health and Environment	Repeat SSO? If yes, list date(s) of previous SSO(s) at this address/asset	Comments/Response to SSO	Follow-up Actions Taken	Public Notification Made?
7/1/2018	11:12 AM	7/1/2018	1:20 PM	6920 S Broadway	SS.GM.T0002308	N/A; contained on site in grass	20	520	Manhole	Grease	No	No	Arrived at 7008 S Broadway. Observed MH; no sewer coming out of MH; noticed about 20 gal of sewer in puddle in grass. Ran MH in Target parking lot in front of Pot Bellies restaurant east 230 ft. and relieved stop 200 ft. in main; called 601. We also flushed water from vac truck: 500 gal and vac up 520 gal of sewer and chlorine water and returned back into sewer system.	07/01/2018: Cabled and washed main. Scheduled CCTV inspection and added to High Frequency Cleaning List.	No
7/1/2018	8:54 PM	7/2/2018	4:00 AM	5427 Quail Creek	SS.GM.T0003760	Trib B-1 to West Mud Creek	360	12,360	Gravity Main	Broken Pipe	No	No	Arrived at location. Customer showed us where sewer was in the creek. We walked the creek until we found a broken sewer main in creek leaking 2 gpm; we called 601; he called in a crew. After crew repaired main, we began to flush creek; opened fire hydrant @ Churchill & Rieck; residual of chlorine was 2.5; opened @ 2:30am closed @ 3:30am. Flow was 200 gpm; used 12,000 gal.	07/01/2018: Cleaned and disinfected creek, pumped creek; 07/02/2018: Repaired main; washed main. Scheduled CCTV inspection and added to High Frequency Cleaning List.	No
7/4/2018	2:16 PM	7/4/2018	6:00 PM	5421 Quail Creek	SS.MH.T0005327	Trib B-1 to West Mud Creek	82	382	Manhole	Roots & Debris	No	No	Arrived as location spoke with customer, he stated that when he was in the woods he noticed water coming out of a MH. Walked into the woods found MH that was leaking behind 5505 New Copeland, approx. 0.5 gpm went to down stream MH. Had to cut a path to down stream MH, then pulled hose over fence, ran south 5 ft. and relieved stop. Went to MH @ 5427 Quail Creek, ran east 350 ft. washed back. Roots and old rags seemed to be the cause of the stop. Call came in at 2:16pm, relieved stop at 5:00pm for a total of 165 minutes at 0.5 gpm. Total of sewer leaking out is 82 gallons of sewer leaked into a dry creek bed cleaned and sanitized with HTH washed down	07/04/2018: Cleaned and disinfected creek; cabled and washed main; repaired/regROUTed manhole lid ring. Scheduled CCTV inspection and added to High Frequency Cleaning List.	No
7/5/2018	4:53 PM	7/5/2018	5:45 PM	514 Forest	SS.GM.T0007489	N/A; contained on site in yard	40	40	Private Cleanout	Bad Manhole	No	No	Arrived at location spoke with customer; he stated that sewer was coming out of his service. Approx. 45 gallons of sewer contained in yard. Checked MH; it was standing; went to MH @ 503 Northcrest; ran East 312 feet; relieved stop. Went to MH @ 514 Forest vac out sludge and mud from MH. It appears that the bottom is gone and MH holds water about 2 ft. below inverts. Customer cleanouts are down and flowing; returned approx. 40 gallons of sewer back into the system, sanitized area.	07/05/2018: Washed and disinfected area; washed manhole. 07/06/2018: repaired manhole, SS.MH.T0001719, and follow-up washed. Scheduled CCTV inspection.	No

City of Tyler Consent Decree, DOJ No. 90-5-1-1-09767 Quarterly Report - <u>2018 Quarter 3</u> 01 July 2018 through 30 September 2018															
Start Date	Start Time	End Date	End Time	Address / Location	Asset ID	Receiving Stream	Estimated Volume Discharged (gal)	Estimated Volume Recovered (gal)	Component from which SSO was Released	Suspected Cause of SSO	Potential Impact on Human Health and Environment	Repeat SSO? If yes, list date(s) of previous SSO(s) at this address/asset	Comments/Response to SSO	Follow-up Actions Taken	Public Notification Made?
7/18/2018	6:10 PM	7/19/2018	1:55 AM	520 E Douglas	SS.GM.T0006181	Trib D to Black Fork Creek	2325	10,800	Gravity Main	Broken Pipe	No	No	Ran sewer main south 110 ft. Got stuck in broken sewer main. 601, 604 and emergency locates were called for repairs. Sewer main was broken & leaking 5 gpm for 465 min, giving an estimated total of 2325 gal of sewer flowing into creek. 604 pumped fresh water and sewer out of creek.	07/19/2018: Washed and repaired main. 07/20/2018: Follow-up cleaning.	No
7/23/2018	8:00 AM	7/23/2018	10:17 AM	5108 Chad	SS.GM.T0009684	Trib B-2 to West Mud Creek	274	500	Manhole	Roots & Debris	No	No	Called in @ 8am arrived @ 8:33am. Knocked off stop 10:17am. MH behind 5108 Chad was overflowing approx. 2 gpm x 137 min = 274 gals of sewer contained in dry creek bed. Ran from DS MH north 225 ft. to knock off stop. Disinfected with HTH and flushed 6360 gal of fresh water and vac up 500 gals of fresh water & sewer, deconned back into sewer system. 610 and 607 were on site.	07/23/2018: Cabled and washed main; cleaned and disinfected creek. Scheduled CCTV inspection.	No
7/30/2018	12:50 PM	7/30/2018	1:53 PM	627 Turtle Creek	SS.GM.T0008065	Trib D-4 to Black Fork Creek	63	1,663	Manhole	Roots & Debris	No	No	Call came in @ 12:50pm arrived @ 12:58pm, knock off stop @ 153 ft. Ran MH @ 627 Turtle Creek north 250 ft. to knock off stoppage. 63 min x 1 gpm = 63 gals of sewer contained in creek bed. Washed down street and disinfected dry creek with HTH and 1600 gal of fresh water; vac'd up 2500 gal of fresh water and sewer and returned to sewer system. This was a root and debris stop. 607 was onsite.	07/30/2018: Cabled and washed main; cleaned and disinfected creek. Scheduled CCTV inspection and added to High Frequency Cleaning List.	No
8/5/2018	9:50 AM	8/5/2018	10:42 AM	Sherry Ln & Rudman Rd	SS.GM.T0000618	N/A; contained in storm drain	156	4,800	Manhole	Grease	No	No	Call came in at 9:50am we received the call at 9:55am. Arrived on site at 10:34am knocked off stop at 10:42am. MH at Sherry and Rudman was overflowing 3 gpm for 52 min for a total of 156 gal. contained in storm drain. Went to down stream MH at Rudman and Bullard ran west 180 ft. to knock off stop pulled back. MH is down and flowing. Cause of stop appears to be excessive grease. Flush with 4800 gal. of fresh water and sanitized with HTH.	08/05/2018: Cleaned and disinfected creek; cabled and washed main. Scheduled CCTV inspection and added to High Frequency Cleaning List.	No
8/8/2018	9:09 AM	8/8/2018	9:47 AM	1501 W 29th St	SS.MH.T0002762	N/A; contained in street	2	102	Manhole	Grease & Debris	No	No	Ran MH @ intersection of Plaza & W 29th St. Ran south 200 ft. to relieve stop. This was a grease and debris stop. Sewer main needs to be PM cabled, PM washed and CCTV'd. 2 gal of sewer was contained @ curb. 100 gal of fresh water was used to wash down sewer with HTH, 102 gals of fresh water/sewer mix returned to sewer system. 607 was on site.	08/08/2018: Cleaned and disinfected street; cabled and washed main. Scheduled CCTV inspection and added to High Frequency Cleaning List..	No

City of Tyler
Consent Decree, DOJ No. 90-5-1-1-09767

Quarterly Report - 2018 Quarter 3
01 July 2018 through 30 September 2018

Start Date	Start Time	End Date	End Time	Address / Location	Asset ID	Receiving Stream	Estimated Volume Discharged (gal)	Estimated Volume Recovered (gal)	Component from which SSO was Released	Suspected Cause of SSO	Potential Impact on Human Health and Environment	Repeat SSO? If yes, list date(s) of previous SSO(s) at this address/asset	Comments/Response to SSO	Follow-up Actions Taken	Public Notification Made?
8/16/2018	9:31 AM	8/16/2018	4:18 PM	Paluxy & Sybil	SS.GM.T0001749	Trib M-6 to West Mud Creek	3,600	24,000	Manhole	Roots	No	No	Arrived at Paluxy & Sybil. Ran MH at 2400 Edinburgh north and relieved stop at 26 ft. This was a root stop. 24,000 gal of fresh water was flushed and vac'd.	08/16/2018: Cleaned and disinfected creek; cabled and washed main. Scheduled CCTV inspection and added to High Frequency Cleaning List.	No
8/24/2018	11:47 AM	8/24/2018	12:51 PM	423 Anderson	SS.GM.T0008448	Trib D-2 to Black Fork Creek	690	42,690	Manhole	Grease & Debris	No	No	Arrived at location; customer showed us the SSO which was at the corner of Anderson & E Line. The leak was leaking 10 gpm; called in at 11:41 am; we relieved the stop at 12:50 pm = 690 gal in the creek. We sanitized SSO area with lime. 625 also helped with clean up and a FH was opened at 2:05 pm at Beverly & Locust. Timothy Cravens also pumped creek and returned sewer back to system 42,690 gal.	08/24/2018: Cleaned and disinfected creek; cabled and washed main. Scheduled CCTV inspection and added to High Frequency Cleaning List.	No
8/28/2018	9:57 AM	8/28/2018	10:20 AM	9127 CR 2120	SS.VT.T0000021	Trib G-1 to Gilley Creek	1,500	1,500	Lift Station	Electrical Breaker	No	No	Failed electrical breaker caused pump to stop running.	08/28/2018: Replaced breaker.	No
8/28/2018	3:11 PM	8/28/2018	6:04 AM	9129 CR 1138	SS.VT.T0000011	Bellwood Lake	20	20	Lift Station	Dislocated Pipe	No	No	Dislocated pipe allowed leakage.	08/28/2018: Repaired pipe.	No
9/6/2018	5:25 PM	9/6/2018	6:50 PM	129 Forest	SS.GM.T0006620	Willow Creek	43	0	Cleanout	Debris	No	No	Cleanout in the street leaking 1/2 gpm into flowing creek. Ran cleanout 50 ft. to relieve stop. Approx. 42.5 gal of sewer entered creek. Flush 12,000 gal of fresh water and cleaned up debris and disinfected the area with HTH. This was a debris stop. 607 on site and notified. Call came in at 5:25 pm and relieved at 6:50 pm.	09/06/2018: Cabled and washed main; cleaned and disinfected street and path to creek. Scheduled CCTV inspection and added to High Frequency Cleaning List.	No
9/7/2018	9:30 AM	9/7/2018	11:09 AM	327 Brookwood	SS.GM.T0002909	N/A; contained on site in yard	240	0	Manhole	Grease	No	No	Arrived at location; customer showed me the manhole that was overflowing in his backyard. Ran manhole behind 327 Donnybrook north 250 ft.; knock off stop. Manhole was leaking approx. 2 gpm; call came in at 9:30 am; received called at 10:48 am arrived on site at 11:09 am; relieved stop at 11:30 am. Manhole was leaking for 60 min at 2 gpm = 240 gal of sewer contained in yard. Used bucket to collect sewer and place back into system sanitized with lime.	09/07/2018: Cabled and washed main; cleaned and disinfected yard. Scheduled CCTV inspection and added to High Frequency Cleaning List.	No
9/10/2018	8:43 AM	9/11/2018	11:30 AM	6700 Hollytree	SS.GM.T0002037	West Mud Creek	27,270	0	Gravity Main	Broken Pipe	No	No	Arrived at 200 Southtown; searched creek until we found broken main across creek at Hollytree golf course. Called 607 and 601; could not relieve sewer because of heavy rain. Crew also called out to repair sewer main.	09/10/2018: Repaired gravity main; Scheduled CCTV inspection and added to High Frequency Cleaning List.	No

City of Tyler

Consent Decree, DOJ No. 90-5-1-1-09767

Quarterly Report - 2018 Quarter 3

01 July 2018 through 30 September 2018

Start Date	Start Time	End Date	End Time	Address / Location	Asset ID	Receiving Stream	Estimated Volume Discharged (gal)	Estimated Volume Recovered (gal)	Component from which SSO was Released	Suspected Cause of SSO	Potential Impact on Human Health and Environment	Repeat SSO? If yes, list date(s) of previous SSO(s) at this address/asset	Comments/Response to SSO	Follow-up Actions Taken	Public Notification Made?
9/18/2018	8:13 AM	9/18/2018	8:33 AM	858 SE Loop 323	SS.GM.T0013474	N/A; contained on site in yard	20	70	Private Cleanout	Grease	No	No	Arrived at 858 SE Loop customer; pointed out MH on west side of convenience store overflowing, so went to MH close to Loop 323 and ran 103 feet east; knocked off stop. MH is down and flowing properly. Call came in at 8:13am and relieved stop at 8:33am for total of 1 gpm adding up to 20 gal contained in yard; vac'd and sanitized.	09/18/2018: Cleaned and disinfected yard. Scheduled CCTV inspection and added to High Frequency Cleaning List.	No
9/28/2018	11:22 AM	9/28/2018	1:22 PM	525 Beckham	SS.GM.T0005064	N/A; contained in street	60	60	Private Cleanout	Debris	No	No	Arrived at above location; cleanout was overflowing 1/2 gpm. The downstream manhole was paved over so I called 622 to cable upstream manhole. He relieved stop and the maintenance crew was already cleaning up around cleanout and sanitizing. The SSO was 60 gal; the call came in at 11:22am and relieved at 1:22pm.	09/28/2018: Cleaned and disinfected street. Scheduled CCTV inspection and added to High Frequency Cleaning List.	No
9/29/2018	1:15 PM	9/29/2018	2:15 PM	511 S Lyons	SS.GM.0007204	N/A; contained in storm drain.	120	120	Manhole	Root	No	No	Manhole leaking 2 gpm; call came in at 1:15pm; relieved stop at 2:15pm = 120 gal of sewer contained in storm drain. Vac out sewer and returned to sewer system. Notified 607 this was a root and debris stop; disinfected with lime due to a lot on traffic and the fair; need CCTV, cable, and wash.	09/29/2018: Cleaned and disinfected street. Scheduled CCTV inspection and added to High Frequency Cleaning List.	No

CERTIFICATION:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering such information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including possibility of fine and imprisonment for knowing violations.



Scott Taylor, P.E., Managing Director of Utilities and Public Works

10/22/18

Date

City of Tyler
Consent Decree, DOJ No. 90-S-1-1-09767
Quarterly Report - 2018 Quarter 4
01 October 2018 through 31 December 2018

Start Date/Time	Finish Date/Time	Address/Location	Asset ID	Receiving Stream	Estimated Sanitary Sewer Volume Discharged (gal)	Estimated Sanitary Sewer Volume Recovered (gal)	Component from Which SSO Was Released	Suspected Cause of SSO	Potential Danger to Human Health & Safety or the Environment	Repeat SSO? If yes, list date(s) of previous SSO(s) at this address/asset	Comments/Response to SSO	Follow-Up Actions	Public Notification Made?
10/6/2018 3:18:00 PM	10/6/2018 6:09:00 PM	3916 Jan Ave, Tyler, TX, 75701	SS.GM.T0004026	N/A; contained in street	5	5	MANHOLE	DEBRIS	No	Yes	Arrived at location; manhole was barely leaking a gallon a minute because debris was clogging holes in lid. Vac out debris and manhole began to stand, but wasn't overflowing. Arrived at manhole at Jan & Loop; it was standing. Arrived at manhole at Easy and Loop 323; manhole was standing; manhole at Birdwell Dr and the Loop had a stuck ring and lid. With heavy traffic an issue, we ran the standing manhole at Easy and the Loop 10 ft; all manholes were down and flowing. There was about 5 gallons of sewer in low place on sidewalk; we treated around manhole and vac'd up 50 gallons of sewer and chlorine water mixed together and returned back into sewer system.	Place on High Frequency Cleaning List and scheduled follow-up CCTV inspection.	No
10/12/2018 4:49:50 PM	10/12/2018 6:05:00 PM	6525 S Broadway Ave, Tyler, TX, 75703	SS.GM.T0013517	N/A; contained in street	30	30	MANHOLE	DEBRIS	No	Yes	Came to address of MH overflowing; went to MH in front of 6421 and ran 150 feet and knocked off MH overflow behind 6525. It was also cleaned with HTH and washed down with about 100 gal of water a little sewer went on street, but was also treated with HTH and washed down.	Place on High Frequency Cleaning List and scheduled follow-up CCTV inspection.	No
10/15/2018 10:40:00 AM	10/15/2018 1:30:00 PM	2739 W Northwest Loop 323	SS.GM.T0012417	N/A; contained in yard	45	45	PRIVATE CLEANOUT	DEBRIS	No	Yes	Cleanout leaking 1 gpm. Call came in at 10:15 am; relieved stop @ 11:00 am. 45 gallons of sewer contained in yard. Ran MH behind 3300 Minneola Hwy SW 275 ft to relieve stop. This was a debris stop. Cleaned up and disinfected with HTH and fresh water. 607 was notified. Three rooms had to be cleaned up due to overflow.	Place on High Frequency Cleaning List and scheduled follow-up CCTV inspection.	No
10/17/2018 3:15:28 PM	10/17/2018 4:00:36 PM	721 N Bois D Arc Ave, Tyler, TX, 75702	SS.GM.T0008499	N/A; contained in storm drain	171	0	PRIVATE CLEANOUT	FATS, OIL, GREASE	No	Yes	Call came in at 2:43 pm; we arrived at 3:15 pm, and knocked of the stop at 3:40 pm. Customer cleanouts were overflowing approx. 3 gpm x 57 min. = 171 gal of sewer that was unretrievable due to heavy rain. Ran MH T0004520 north 360' to knock off stop. This was a grease stop. Disinfect with HTH as heavy rain made it unretrievable. 601 & 607 were notified.	Place on High Frequency Cleaning List and scheduled follow-up CCTV inspection.	No

City of Tyler Consent Decree, DOJ No. 90-5-1-1-09767 Quarterly Report - 2018 Quarter 4 01 October 2018 through 31 December 2018													
Start Date/Time	Finish Date/Time	Address/Location	Asset ID	Receiving Stream	Estimated Sanitary Sewer Volume Discharged (gal)	Estimated Sanitary Sewer Volume Recovered (gal)	Component from Which SSO Was Released	Suspected Cause of SSO	Potential Danger to Human Health & Safety or the Environment	Repeat SSO? If yes, list date(s) of previous SSO(s) at this address/asset	Comments/Response to SSO	Follow-Up Actions	Public Notification Made?
10/21/2018 11:55:00 AM	10/21/2018 1:35:00 PM	900 Baxter Ave, Tyler, TX, 75701	SS.GM.T0004237	N/A; contained in storm drain	35	35	MANHOLE	DEBRIS FATS, OIL, GREASE	No	Yes	MH leaking 1 gpm; call came in @ 11:55 am; relieved stop @12:30 pm. Aproximately 35 gallons of sewer entered storm drain. Flushed 15,000 gallons of fresh water from fire hydrant; disinfected with HTH and washed street down with fresh water. This was a grease and debris stop. Notified 607. Customer on site and notified. Ran MH @ 1231 Don south 200 ft to relieve stop.	Place on High Frequency Cleaning List and scheduled follow-up CCTV inspection.	No
10/25/2018 10:00:00 AM	10/25/2018 1:40:00 PM	13321 FM 206, Tyler, TX, 75709	SS.GM.T0012439	N/A; contained in street	495	495	MANHOLE	DEBRIS ROOTS	No	No	MH leaking 3 gpm into yard; call came in @ 10:00 am; relieved stop at 12:45 pm. Approximately 495 gallons of sewer contained in yard. Disinfected with HTH and washed down with 750 gallons of fresh water. Ran second MH in woods north 300 ft to relieve stop. This was a debris and root stop. Notified 607.	Place on High Frequency Cleaning List and scheduled follow-up CCTV inspection.	No
10/26/2018 4:00:37 PM	10/26/2018 6:00:43 PM	906 E Locust St, Tyler, TX, 75702	SS.GM.T0007011	Black Fork Creek	2,400	2,400	GRAVITY MAIN	BREAKS, OTHER CAUSES	No	No	We arrived on sited and relieved the stop at 3:08. The call came in at 1:08. We entered MH 0004594 and ran SW to relieve the stop. A crew arrived on site downstream at 4:00, and pumped 43,000 gallons of creek water into MH 0014025. I opened a hydrant from 4:00 - 6:00 and let 18,000 gallons of fresh water upstream into the creek. Update: Call came in at 1:08 pm; arrived at 1:30 pm, knocked the stop off at 3:08 pm. A broken main at (behind) 918 East Locust was leaking approx 20 gpm x 120 min. = 2400 gal. of sewer flowing into creek. Ran MH T0004594 100' south to knock off stop. This was a collapsed sewer main. We disinfected with HTH and flushed with 18,000 gal. of fresh water. A crew arrived downstream and pumped 43,000 gallons of creek and fresh water into MH T0014025.	Place on High Frequency Cleaning List and scheduled follow-up CCTV inspection.	No

City of Tyler
Consent Decree, DOJ No. 90-5-1-1-09767

Quarterly Report - 2018 Quarter 4
01 October 2018 through 31 December 2018

Start Date/Time	Finish Date/Time	Address/Location	Asset ID	Receiving Stream	Estimated Sanitary Sewer Volume Discharged (gal)	Estimated Sanitary Sewer Volume Recovered (gal)	Component from Which SSO Was Released	Suspected Cause of SSO	Potential Danger to Human Health & Safety or the Environment	Repeat SSO? If yes, list date(s) of previous SSO(s) at this address/asset	Comments/Response to SSO	Follow-Up Actions	Public Notification Made?
10/27/2018 2:45:49 PM	10/27/2018 6:10:54 PM	1909 Easy St, Tyler, TX, 75703	SS.GM.T0004031	N/A; contained in storm drain	33	33	MANHOLE	FATS, OIL, GREASE	No	No	Golden Road called in SSO at 2:10 pm. 624 arrived on site at 2:45 pm. MH 0006249 was leaking 0.5 gallons per minute. We set up at MH 0006111 and ran north 700' knocking off stop at 3:15 pm. We disinfected with HTH, and washed premises with 2250 gallons of fresh water while retrieving it from storm drain with vac truck.	Place on High Frequency Cleaning List and scheduled follow-up CCTV inspection.	No
10/28/2018 4:30:39 PM	10/28/2018 8:00:44 PM	802 E Locust St, Tyler, TX, 75702	SS.MH.T0004600	Trib D-2 to Black Fork Creek	2,250	2,250	MANHOLE	BREAKES DUE TO EROSION	No	Yes	We arrived at above address and noticed a MH 0004600 had been overflowing. I received the call at 3:20 pm. Shull contractors had a pump that failed and caused 2250 gallons of sewage to enter creek. We disinfected with HTH and flushed 18,000 gallons of fresh water into the creek and 43,200 of creek/fresh water was pumped into MH 0014025. We treated this residence with lime and washed sewage coming up in yard.	Repair sewer main.	No
11/10/2018 10:54:00 AM	11/10/2018 12:15:00 PM	McDonald Rd & Alpha Dr, Tyler, TX, 75701	SS.GM.T0004599	N/A; contained in storm drain	15	15	MANHOLE	FATS, OIL, GREASE	No	Yes	Call came in @ 10:45 am knocked stop off at 11:00 am. MH @ mc Donald and Alpha overflowing 1 gpm. 15 gallons of sewer contained in storm drain. Ran MH @ 3313 McDonald east 135 ft to relieve stop. MH T0006474. Disinfected Ned washed area with 500 gallons of fresh water and Vac'd out storm drain. Notified 607. Returned 515 gallons of sewer and water back into sewer system. This was a grease stop.	Place on High Frequency Cleaning List and scheduled follow-up CCTV inspection.	No
11/12/2018 11:45:00 AM	11/12/2018 4:05:00 PM	515 E Erwin St, Tyler, TX, 75702	SS.GM.T0008049	N/A; contained in storm drain	1,200	1,200	MANHOLE	FATS, OIL, GREASE	No	Yes	Call came in at 11:15 am; arrived at 11:45 am; knocked off stop at 3:15 pm. MH T0004895 was overflowing approx. 5 gpm x 240 minutes = 1200 gal of sewer contained in street. Ran MH T0004895 east 30' knocked off stop. This was a grease stop. Disinfect with HTH and 500 gal fresh water. Sewer was not retrievable due to rain. 607 was notified.	Place on High Frequency Cleaning List and scheduled follow-up CCTV inspection.	No

City of Tyler
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Start Date/Time	Finish Date/Time	Address/Location	Asset ID	Receiving Stream	Estimated Sanitary Sewer Volume Discharged (gal)	Estimated Sanitary Sewer Volume Recovered (gal)	Component from Which SSO Was Released	Suspected Cause of SSO	Potential Danger to Human Health & Safety or the Environment	Repeat SSO? If yes, list date(s) of previous SSO(s) at this address/asset	Comments/Response to SSO	Follow-Up Actions	Public Notification Made?
11/12/2018 9:15:26 AM	11/12/2018 12:02:43 PM	610 Turtle Creek Dr, Tyler, TX, 75701	SS.GM.T0006184	Black Fork Creek	1,810	0	MANHOLE	DEBRIS	No	Yes	Call came in at 8:46 am, arrived at 9:15 am, knocked off stop at 11:45 am. City MH T0005029 and MH T0005039 were overflowing approx. 10 gpm x 181 min = 1810 gallons of sewer unretrievable due to rain. We ran MH T0005016 SW 150' to knock off stop. This was a debris stop. Disinfect with HTH and 500 gal of fresh water. 607 was notified.	Place on High Frequency Cleaning List and scheduled follow-up CCTV inspection.	No
11/15/2018 1:00:00 AM	11/16/2018 5:00:00 PM	1824 W M L King Jr Blvd, Tyler, TX, 75702	0	Black Fork Creek	14,400	0	GRAVITY MAIN	BREAKS, OTHER CAUSES	No	Yes	Storm drain failed and collapsed onto a 12" water main and 6" sewer main, causing both to fail. Fresh water washed sewer down; none recovered.	Repair sewer main.	No
11/19/2018 1:00:00 PM	11/19/2018 1:01:00 PM	C R 427 & FM 2016, Tyler, TX, 75706	0	Black Fork Creek	760,000	0	MANHOLE	BREAKS, OTHER CAUSES	Yes	No	Located 48" sewer main in the creek leaking approx. 300 gpm into a flowing creek. 601 was notified and contractor Collin Shull was contacted to do the repairs and its unknown amount of sewer in creek at this time.	Repair sewer main.	Yes
11/19/2018 1:30:00 PM	11/19/2018 3:30:00 PM	4652 Van Hwy	SS.GM.T0010757	N/A; contained in yard	45	0	MANHOLE	FATS, OIL, GREASE ROOTS	No	No	Call came in @ 1:30 pm relieved stop @ 2:15 pm. MH overflowing 1 gpm in yard ran MH off of Van Hwy T0001008 SW 500 ft to next MH. Knocked off stop at 475 ft. Approximately 45 gallons of sewer contained in yard. Due to no access we disinfected with HTH. Notified customer and 607.	Place on High Frequency Cleaning List and scheduled follow-up CCTV inspection.	No
11/26/2018 2:10:03 PM	11/26/2018 4:35:16 PM	3916 Jan Ave, Tyler, TX, 75701	SS.GM.T0004026	N/A; contained in storm drain	248	248	MANHOLE	FATS, OIL, GREASE ROOTS	No	Yes	Call came in at 1:56 p, arrived at 2:10 p, knocked off stop at 4:00 p. MH at this address was overflowing approximately 2 gpm x 124 minutes = 248 gal of sewer contained in storm drain. Ran MH T0006128 west 350' to knock off stop. This is a grease and debris stop. Disinfect with HTH and 2400 gal of fresh water. 2648 gallons were vacced from storm drain. 607 was notified.	Place on High Frequency Cleaning List and scheduled follow-up CCTV inspection.	No
11/29/2018 3:50:47 PM	11/29/2018 4:50:57 PM	1625 W Front St, Tyler, TX, 75702	SS.GM.T0007143	N/A; contained in storm drain	25	25	MANHOLE	DEBRIS	No	Yes	Call came in at 3:15 p; arrived at 3:50 p. Knocked off stop at 4:05p. MH 0002620 was overflowing approximately 0.5 gpm x 50 minutes = 25 gallons of sewer contained in a storm drain. Ran MH T0001837 SW 396' to knock off stop. Disinfect with HTH and 3000 gallons of fresh water. Sewer was non-retrievable. 607 was notified.	Place on High Frequency Cleaning List and scheduled follow-up CCTV inspection.	No

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Start Date/Time	Finish Date/Time	Address/Location	Asset ID	Receiving Stream	Estimated Sanitary Sewer Volume Discharged (gal)	Estimated Sanitary Sewer Volume Recovered (gal)	Component from Which SSO Was Released	Suspected Cause of SSO	Potential Danger to Human Health & Safety or the Environment	Repeat SSO? If yes, list date(s) of previous SSO(s) at this address/asset	Comments/Response to SSO	Follow-Up Actions	Public Notification Made?
12/6/2018 7:45:00 AM	12/6/2018 9:39:00 AM	birdwell and loop 323	SS.GM.T0004025	N/A; contained in street	45	45	MANHOLE	DEBRIS	No	Yes	Call came in @ 7:45 am; relieved stop @ 8:30 am. MH overflowing 1 gpm 45 gallons of sewer contained in street. Ran MH T0006129 north 22 ft to relieve stop. This was a debris stop. Disinfected with HTH and washed down area with 200 gallons of fresh water. Notified 607.	Place on High Frequency Cleaning List.	No
12/10/2018 7:30:00 AM	12/10/2018 10:00:00 AM	W Barrett St & N Grand Ave, Tyler, TX, 75702	SS.GM.T0003671	Black Fork Creek	60	0	MANHOLE	FATS, OIL, GREASE	No	Yes	Call came in @ 730 am; relieved stop @ 8:30 am. MH overflowing 1 gpm, and 60 gallons of sewer entered creek. Ran MH T0003026 south 39 ft to relieve stop. Sewer was unretrievable. Flushed 18,000 gallons of water into creek. Disinfected and cleaned up around MH with HTH and 200 gallons of fresh water. Notified 607. This was a grease stop.	Place on High Frequency Cleaning List and scheduled follow-up CCTV inspection.	No
12/13/2018 7:00:00 AM	12/13/2018 11:41:00 AM	3931 Troup Hwy, Tyler, TX, 75703	SS.GM.T0013366	Black Fork Creek	165	0	MANHOLE	FATS, OIL, GREASE	No	Yes	Call came in @ 7:00 am; relieved stop @ 9:45 am. MH overflowing 1 gpm. Aproximaty 165 gallons of sewer entered flowing creek; sewer was unretrievable. Ran MH T0013181 east 361 ft to relieve stop. This was a grease and debris stop. Disinfected around MH. Notified 607. Flushed 6000 gallons of fresh water into creek.	Place on High Frequency Cleaning List, repair sewer main, and scheduled follow-up CCTV inspection.	No
12/24/2018 2:15:00 PM	12/24/2018 5:59:00 PM	800 Woodhall Pl, Tyler, TX, 75703	SS.GM.T0003767	West Mud Creek	105	105	MANHOLE	DEBRIS FATS, OIL, GREASE	No	No	Call came in @ 2:15 pm; knocked off stop @ 4:00 pm. MH overflowing 1 gpm into creek bed. Approximately 105 gallons of sewer in creek. Flushed 2000 gallons of fresh water and vac'd out sewer. Ran MH T0000293 south 74 ft to next MH to relieve stop. Disinfected and cleaned up around MH and washed down with fresh water. Notified 607. This was a grease and debris stop.	Place on High Frequency Cleaning List and scheduled follow-up CCTV inspection.	No
12/26/2018 2:25:15 PM	12/26/2018 5:15:22 PM	Bradshaw Dr & Cope St, Tyler, TX, 75702	SS.GM.T0005653	Willow Creek	187	0	MANHOLE	DEBRIS	No	No	Call came in at 9:47 am; arrived at 2:25 pm. Knocked off stop at 3:30 pm; arrived at Bradshaw and Cope; noticed sewer in the creek and followed sewer to overflowing MH behind 2029 Lee St; overflowing approximately 0.5 gpm * 374 min = 187 gallons of sewer in creek. Flushed fire hydrant and cleaned up with HTH and washed down with 400 gallons of fresh water. Ran MH at 2029 Lee St 240 feet thru MH T0001950. This was a debris stop.	Place on High Frequency Cleaning List and scheduled follow-up CCTV inspection.	No

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12/27/2018 8:05:32 AM	12/27/2018 11:00:42 AM	2011 Bradshaw Dr, Tyler, TX, 75702	SS.GM.T0007588	Willow Creek	80	0	MANHOLE	DEBRIS	No	No	Call came in at 8:05 am; arrived at 8:05 am; knocked off stop at 9:25 am. City MH T0001054 was overflowing approx. 1 gpm x 80 mins. = 80 gallons of sewer entering a flowing creek. Ran MH T0001051 west 266' to knock off stop. This is a root and debris stop. Disinfect with HTH and 3000 gallons of fresh water. Sewer was non-retrievable. 601 was notified.	Place on High Frequency Cleaning List and scheduled follow-up CCTV inspection.	No
12/27/2018 7:00:44 PM	12/27/2018 8:30:54 PM	2100 Bandera Dr, Tyler, TX, 75702	SS.GM.T0006618	N/A; contained in the street	23	23	MANHOLE	DEBRIS	No	No	Call came in at 6 pm; arrived at 7 pm; knocked off stop at 7:30 pm. City MH T0001799 was overflowing approx. 0.25 gpm x 90min = 22.5 gallons of sewer contained in street. Ran MH T0001814 north 150' to knock off stop. This was a debris stop. Flushed street and disinfect with HTH and vac'd out sewer and fresh water and decanted back into the city sewer system; 522.5 gallons total. 601 was notified.	Place on High Frequency Cleaning List and scheduled follow-up CCTV inspection.	No
12/28/2018 1:15:00 PM	12/28/2018 2:47:00 PM	912 E Front St	SS.GM.T0006166	N/A; contained in the yard	15	15	MANHOLE	DEBRIS	No	No	Call came in at 1:15 pm; knocked stop off @ 1:45 pm. Sewer coming out of ground 1/2 gpm = 15 gallons of sewer contained in yard. Ran MH T0004988 NE 124 ft and relieved stop. Disinfected and washed down with 500 gallons of fresh water. Notified 601.	Place on High Frequency Cleaning List and scheduled follow-up CCTV inspection.	No

CERTIFICATION:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering such information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including possibility of fine and imprisonment for knowing violations.



Scott Taylor, P.E., Managing Director of Utilities and Public Works

1/25/2019

Date

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Start Date/Time	Finish Date/Time	Address/Location	Asset ID	Receiving Stream	Estimated Sanitary Sewer Volume Discharged (gal)	Estimated Sanitary Sewer Volume Recovered (gal)	Component from Which SSO Was Released	Suspected Cause of SSO	Potential Danger to Human Health & Safety or the Environment	Repeat SSO? If yes, list date(s) of previous SSO(s) at this address/asset	Comments/Response to SSO	Follow-Up Actions	Public Notification Made?
10/6/2018 3:18:00 PM	10/6/2018 6:09:00 PM	3916 Jan Ave, Tyler, TX, 75701	SS.GM.T0004026	N/A; contained in street	5	5	MANHOLE	DEBRIS	No	No*	Arrived at location; manhole was barely leaking a gallon a minute because debris was clogging holes in lid. Vac out debris and manhole began to stand, but wasn't overflowing. Arrived at manhole at Jan & Loop; it was standing. Arrived at manhole at Easy and Loop 323; manhole was standing; manhole at Birdwell Dr and the Loop had a stuck ring and lid. With heavy traffic an issue, we ran the standing manhole at Easy and the Loop 10 ft; all manholes were down and flowing. There was about 5 gallons of sewer in low place on sidewalk; we treated around manhole and vac'd up 50 gallons of sewer and chlorine water mixed together and returned back into sewer system.	Place on High Frequency Cleaning List and scheduled follow-up CCTV inspection.	No
10/8/2018 8:00:00 AM	10/8/2018 8:10:00 AM	13692 SYDNEY / 306 STAR RD, Tyler, TX 75791	SS.LS.T0000042	N/A; contained on Site	300	0	LIFT STATION***	POWER SURGE	No	No	There was a voltage surge that tripped the electrical controllers on the pumps. The wet well overflowed. East Grande Lift Station.	Daily inspections; perform preventative maintenance.	No
10/8/2018 10:20:00 AM	10/8/2018 11:30:00 AM	3970 CR 219, Tyler, TX 75791	SS.LS.T0000001	N/A; contained on Site	600	0	LIFT STATION***	POWER SURGE	No	No	Power outage and transformer blew. Pump trucks for bypass arrived at 11am. Haverhill Lift Station.	Daily inspections; perform preventative maintenance.	No
10/12/2018 4:49:50 PM	10/12/2018 6:05:00 PM	6525 S Broadway Ave, Tyler, TX, 75703	SS.GM.T0013517	N/A; contained in street	30	30	MANHOLE	DEBRIS	No	No*	Came to address of MH overflowing; went to MH in front of 6421 and ran 150 feet and knocked off MH overflow behind 6525. It was also cleaned with HTH and washed down with about 100 gal of water a little sewer went on street, but was also treated with HTH and washed down.	Place on High Frequency Cleaning List and scheduled follow-up CCTV inspection.	No
10/15/2018 10:40:00 AM	10/15/2018 1:30:00 PM	2739 W Northwest Loop 323	SS.GM.T0012417	N/A; contained in yard	45	45	PRIVATE CLEANOUT	DEBRIS	No	No*	Cleanout leaking 1 gpm. Call came in at 10:15 am; relieved stop @ 11:00 am. 45 gallons of sewer contained in yard. Ran MH behind 3300 Minneola Hwy SW 275 ft to relieve stop. This was a debris stop. Cleaned up and disinfected with HTH and fresh water. 607 was notified. Three rooms had to be cleaned up due to overflow.	Place on High Frequency Cleaning List and scheduled follow-up CCTV inspection.	No

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10/17/2018 3:15:28 PM	10/17/2018 4:00:36 PM	721 N Bois D Arc Ave, Tyler, TX, 75702	SS.GM.T0008499	N/A; contained in storm drain	171	0	PRIVATE CLEANOUT	FATS, OIL, GREASE	No	No*	Call came in at 2:43 pm; we arrived at 3:15 pm, and knocked of the stop at 3:40 pm. Customer cleanouts were overflowing approx. 3 gpm x 57 min. = 171 gal of sewer that was unretrievable due to heavy rain. Ran MH T0004520 north 360' to knock off stop. This was a grease stop. Disinfect with HTH as heavy rain made it unretrievable. 601 & 607 were notified.	Place on High Frequency Cleaning List and scheduled follow-up CCTV inspection.	No
10/21/2018 11:55:00 AM	10/21/2018 1:35:00 PM	900 Baxter Ave, Tyler, TX, 75701	SS.GM.T0004237	N/A; contained in storm drain	35	35	MANHOLE	DEBRIS FATS, OIL, GREASE	No	No*	MH leaking 1 gpm; call came in @ 11:55 am; relieved stop @12:30 pm. Approximately 35 gallons of sewer entered storm drain. Flushed 15,000 gallons of fresh water from fire hydrant; disinfected with HTH and washed street down with fresh water. This was a grease and debris stop. Notified 607. Customer on site and notified. Ran MH @ 1231 Don south 200 ft to relieve stop.	Place on High Frequency Cleaning List and scheduled follow-up CCTV inspection.	No
10/25/2018 10:00:00 AM	10/25/2018 1:40:00 PM	13321 FM 206, Tyler, TX, 75709	SS.GM.T0012439	N/A; contained in street	495	495	MANHOLE	DEBRIS ROOTS	No	No	MH leaking 3 gpm into yard; call came in @ 10:00 am; relieved stop at 12:45 pm. Approximately 495 gallons of sewer contained in yard. Disinfected with HTH and washed down with 750 gallons of fresh water. Ran second MH in woods north 300 ft to relieve stop. This was a debris and root stop. Notified 607.	Place on High Frequency Cleaning List and scheduled follow-up CCTV inspection.	No

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Start Date/Time	Finish Date/Time	Address/Location	Asset ID	Receiving Stream	Estimated Sanitary Sewer Volume Discharged (gal)	Estimated Sanitary Sewer Volume Recovered (gal)	Component from Which SSO Was Released	Suspected Cause of SSO	Potential Danger to Human Health & Safety or the Environment	Repeat SSO? If yes, list date(s) of previous SSO(s) at this address/asset	Comments/Response to SSO	Follow-Up Actions	Public Notification Made?
10/26/2018 4:00:37 PM	10/26/2018 6:00:43 PM	906 E Locust St, Tyler, TX, 75702	SS.GM.T0007011	Black Fork Creek	2,400	2,400	GRAVITY MAIN	BREAKS, OTHER CAUSES	No	No	We arrived on sited and relieved the stop at 3:08. The call came in at 1:08. We entered MH 0004594 and ran SW to relieve the stop. A crew arrived on site downstream at 4:00, and pumped 43,000 gallons of creek water into MH 0014025. I opened a hydrant from 4:00 - 6:00 and let 18,000 gallons of fresh water upstream into the creek. Update: Call came in at 1:08 pm; arrived at 1:30 pm, knocked the stop off at 3:08 pm. A broken main at (behind) 918 East Locust was leaking approx 20 gpm x 120 min. = 2400 gal. of sewer flowing into creek. Ran MH T0004594 100' south to knock off stop. This was a collapsed sewer main. We disinfected with HTH and flushed with 18,000 gal. of fresh water. A crew arrived downstream and pumped 43,000 gallons of creek and fresh water into MH T0014025.	Place on High Frequency Cleaning List and scheduled follow-up CCTV inspection.	No
10/27/2018 2:45:49 PM	10/27/2018 6:10:54 PM	1909 Easy St, Tyler, TX, 75703	SS.GM.T0004031	N/A; contained in storm drain	33	33	MANHOLE	FATS, OIL, GREASE	No	No	Golden Road called in SSO at 2:10 pm. 624 arrived on site at 2:45 pm. MH 0006249 was leaking 0.5 gallons per minute. We set up at MH 0006111 and ran north 700' knocking off stop at 3:15 pm. We disinfected with HTH, and washed premises with 2250 gallons of fresh water while retrieving it from storm drain with vac truck.	Place on High Frequency Cleaning List and scheduled follow-up CCTV inspection.	No
10/28/2018 4:30:39 PM	10/28/2018 8:00:44 PM	802 E Locust St, Tyler, TX, 75702	SS.MH.T0004600	Trib D-2 to Black Fork Creek	2,250	2,250	MANHOLE	BREAKES DUE TO EROSION	No	No*	We arrived at above address and noticed a MH 0004600 had been overflowing. I received the call at 3:20 pm. Shull contractors had a pump that failed and caused 2250 gallons of sewage to enter creek. We disinfected with HTH and flushed 18,000 gallons of fresh water into the creek and 43,200 of creek/fresh water was pumped into MH 0014025. We treated this residence with lime and washed sewage coming up in yard.	Repair sewer main.	No

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Start Date/Time	Finish Date/Time	Address/Location	Asset ID	Receiving Stream	Estimated Sanitary Sewer Volume Discharged (gal)	Estimated Sanitary Sewer Volume Recovered (gal)	Component from Which SSO Was Released	Suspected Cause of SSO	Potential Danger to Human Health & Safety or the Environment	Repeat SSO? If yes, list date(s) of previous SSO(s) at this address/asset	Comments/Response to SSO	Follow-Up Actions	Public Notification Made?
11/10/2018 10:54:00 AM	11/10/2018 12:15:00 PM	McDonald Rd & Alpha Dr, Tyler, TX, 75701	SS.GM.T0004599	N/A; contained in storm drain	15	15	MANHOLE	FATS, OIL, GREASE	No	No*	Call came in @ 10:45 am knocked stop off at 11:00 am. MH @ mc Donald and Alpha overflowing 1 gpm. 15 gallons of sewer contained in storm drain. Ran MH @ 3313 McDonald east 135 ft to relieve stop. MH T0006474. Disinfected Ned washed area with 500 gallons of fresh water and Vac'd out storm drain. Notified 607. Returned 515 gallons of sewer and water back into sewer system. This was a grease stop.	Place on High Frequency Cleaning List and scheduled follow-up CCTV inspection.	No
11/12/2018 11:45:00 AM	11/12/2018 4:05:00 PM	515 E Erwin St, Tyler, TX, 75702	SS.GM.T0008049	N/A; contained in storm drain	1,200	1,200	MANHOLE	FATS, OIL, GREASE	No	No*	Call came in at 11:15 am; arrived at 11:45 am; knocked off stop at 3:15 pm. MH T0004895 was overflowing approx. 5 gpm x 240 minutes = 1200 gal of sewer contained in street. Ran MH T0004895 east 30' knocked off stop. This was a grease stop. Disinfect with HTH and 500 gal fresh water. Sewer was not retrievable due to rain. 607 was notified.	Place on High Frequency Cleaning List and scheduled follow-up CCTV inspection.	No
11/12/2018 9:15:26 AM	11/12/2018 12:02:43 PM	610 Turtle Creek Dr, Tyler, TX, 75701	SS.GM.T0006184	Black Fork Creek	1,810	0	MANHOLE	DEBRIS	No	No*	Call came in at 8:46 am, arrived at 9:15 am, knocked off stop at 11:45 am. City MH T0005029 and MH T0005039 were overflowing approx. 10 gpm x 181 min = 1810 gallons of sewer unretrievable due to rain. We ran MH T0005016 SW 150' to knock off stop. This was a debris stop. Disinfect with HTH and 500 gal of fresh water. 607 was notified.	Place on High Frequency Cleaning List and scheduled follow-up CCTV inspection.	No
11/15/2018 1:00:00 AM	11/16/2018 5:00:00 PM	1824 W M L King Jr Blvd, Tyler, TX, 75702	0	Black Fork Creek	14,400	0	GRAVITY MAIN	BREAKS, OTHER CAUSES	No	No*	Storm drain failed and collapsed onto a 12" water main and 6" sewer main, causing both to fail. Fresh water washed sewer down; none recovered.	Repair sewer main.	No
11/19/2018 1:00:00 PM	11/19/2018 1:01:00 PM	C R 427 & FM 2016, Tyler, TX, 75706	0	Black Fork Creek	760,000	0	MANHOLE	BREAKS, OTHER CAUSES	Yes	No	Located 48" sewer main in the creek leaking approx. 300 gpm into a flowing creek. 601 was notified and contractor Collin Shull was contacted to do the repairs and its unknown amount of sewer in creek at this time.	Repair sewer main.	Yes
11/19/2018 1:30:00 PM	11/19/2018 3:30:00 PM	4652 Van Hwy	SS.GM.T0010757	N/A; contained in yard	45	0	MANHOLE	FATS, OIL, GREASE ROOTS	No	No	Call came in @ 1:30 pm relieved stop @ 2:15 pm. MH overflowing 1 gpm in yard ran MH off of Van Hwy T0001008 SW 500 ft to next MH. Knocked off stop at 475 ft. Approximately 45 gallons of sewer contained in yard. Due to no access we disinfected with HTH. Notified customer and 607.	Place on High Frequency Cleaning List and scheduled follow-up CCTV inspection.	No

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11/26/2018 2:10:03 PM	11/26/2018 4:35:16 PM	3916 Jan Ave, Tyler, TX, 75701	SS.GM.T0004026	N/A; contained in storm drain	248	248	MANHOLE	FATS, OIL, GREASE ROOTS	No	Yes** - 10/06/2018	Call came in at 1:56 p, arrived at 2:10 p, knocked off stop at 4:00 p. MH at this address was overflowing approximately 2 gpm x 124 minutes = 248 gal of sewer contained in storm drain. Ran MH T0006128 west 350' to knock off stop. This is a grease and debris stop. Disinfect with HTH and 2400 gal of fresh water. 2648 gallons were vacced from storm drain. 607 was notified.	Place on High Frequency Cleaning List and scheduled follow-up CCTV inspection.	No
11/29/2018 3:50:47 PM	11/29/2018 4:50:57 PM	1625 W Front St, Tyler, TX, 75702	SS.GM.T0007143	N/A; contained in storm drain	25	25	MANHOLE	DEBRIS	No	No*	Call came in at 3:15 p; arrived at 3:50 p. Knocked off stop at 4:05p. MH 0002620 was overflowing approximately 0.5 gpm x 50 minutes = 25 gallons of sewer contained in a storm drain. Ran MH T0001837 SW 396' to knock off stop. Disinfect with HTH and 3000 gallons of fresh water. Sewer was non-retrievable. 607 was notified.	Place on High Frequency Cleaning List and scheduled follow-up CCTV inspection.	No
12/6/2018 7:45:00 AM	12/6/2018 9:39:00 AM	birdwell and loop 323	SS.GM.T0004025	N/A; contained in street	45	45	MANHOLE	DEBRIS	No	No*	Call came in @ 7:45 am; relieved stop @ 8:30 am. MH overflowing 1 gpm 45 gallons of sewer contained in street. Ran MH T0006129 north 22 ft to relieve stop. This was a debris stop. Disinfectd with HTH and washed down area with 200 gallons of fresh water. Notified 607.	Place on High Frequency Cleaning List.	No
12/10/2018 7:30:00 AM	12/10/2018 10:00:00 AM	W Barrett St & N Grand Ave, Tyler, TX, 75702	SS.GM.T0003671	Black Fork Creek	60	0	MANHOLE	FATS, OIL, GREASE	No	Yes** - 03/26/2018 (See Asset ID for manhole to the right and previously on at "Grande Ave & Mimmis".)	Call came in @ 730 am; relieved stop @ 8:30 am. MH overflowing 1 gpm, and 60 gallons of sewer entered creek. Ran MH T0003026 south 39 ft to relieve stop. Sewer was unretrievable. Flushed 18,000 gallons of water into creek. Disinfected and cleaned up around MH with HTH and 200 gallons of fresh water. Notified 607. This was a grease stop.	Place on High Frequency Cleaning List and scheduled follow-up CCTV inspection.	No
12/13/2018 7:00:00 AM	12/13/2018 11:41:00 AM	3931 Troup Hwy, Tyler, TX, 75703	SS.GM.T0013366	Black Fork Creek	165	0	MANHOLE	FATS, OIL, GREASE	No	No*	Call came in @ 7:00 am; relieved stop @ 9:45 am. MH overflowing 1 gpm. Approximately 165 gallons of sewer entered flowing creek; sewer was unretrievable. Ran MH T0013181 east 361 ft to relieve stop. This was a grease and debris stop. Disinfected around MH. Notified 607. Flushed 6000 gallons of fresh water into creek.	Place on High Frequency Cleaning List, repair sewer main, and scheduled follow-up CCTV inspection.	No

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01 October 2018 through 31 December 2018

Start Date/Time	Finish Date/Time	Address/Location	Asset ID	Receiving Stream	Estimated Sanitary Sewer Volume Discharged (gal)	Estimated Sanitary Sewer Volume Recovered (gal)	Component from Which SSO Was Released	Suspected Cause of SSO	Potential Danger to Human Health & Safety or the Environment	Repeat SSO? If yes, list date(s) of previous SSO(s) at this address/asset	Comments/Response to SSO	Follow-Up Actions	Public Notification Made?
12/24/2018 2:15:00 PM	12/24/2018 5:59:00 PM	800 Woodhall Pl, Tyler, TX, 75703	SS.GM.T0003767	West Mud Creek	105	105	MANHOLE	DEBRIS FATS, OIL, GREASE	No	No	Call came in @ 2:15 pm; knocked off stop @ 4:00 pm. MH overflowing 1 gpm into creek bed. Approximately 105 gallons of sewer in creek. Flushed 2000 gallons of fresh water and vac'd out sewer. Ran MH T0000293 south 74 ft to next MH to relieve stop. Disinfected and cleaned up around MH and washed down with fresh water. Notified 607. This was a grease and debris stop.	Place on High Frequency Cleaning List and scheduled follow-up CCTV inspection.	No
12/26/2018 2:25:15 PM	12/26/2018 5:15:22 PM	Bradshaw Dr & Cope St, Tyler, TX, 75702	SS.GM.T0005653	Willow Creek	187	0	MANHOLE	DEBRIS	No	No	Call came in at 9:47 am; arrived at 2:25 pm. Knocked off stop at 3:30 pm; arrived at Bradshaw and Cope; noticed sewer in the creek and followed sewer to overflowing MH behind 2029 Lee St; overflowing approximately 0.5 gpm * 374 min = 187 gallons of sewer in creek. Flushed fire hydrant and cleaned up with HTH and washed down with 400 gallons of fresh water. Ran MH at 2029 Lee St 240 feet thru MH T0001950. This was a debris stop.	Place on High Frequency Cleaning List and scheduled follow-up CCTV inspection.	No
12/27/2018 8:05:32 AM	12/27/2018 11:00:42 AM	2011 Bradshaw Dr, Tyler, TX, 75702	SS.GM.T0007588	Willow Creek	80	0	MANHOLE	DEBRIS	No	No	Call came in at 8:05 am; arrived at 8:05 am; knocked of stop at 9:25 am. City MH T0001054 was overflowing approx. 1 gpm x 80 mins. = 80 gallons of sewer entering a flowing creek. Ran MH T0001051 west 266' to knock off stop. This is a root and debris stop. Disinfect with HTH and 3000 gallons of fresh water. Sewer was non-retrievable. 601 was notified.	Place on High Frequency Cleaning List and scheduled follow-up CCTV inspection.	No
12/27/2018 7:00:44 PM	12/27/2018 8:30:54 PM	2100 Bandera Dr, Tyler, TX, 75702	SS.GM.T0006618	N/A; contained in the street	23	23	MANHOLE	DEBRIS	No	No	Call came in at 6 pm; arrived at 7 pm; knocked off stop at 7:30 pm. City MH T0001799 was overflowing approx. 0.25 gpm x 90min = 22.5 gallons of sewer contained in street. Ran MH T0001814 north 150' to knock off stop. This was a debris stop. Flushed street and disinfect with HTH and vac'd out sewer and fresh water and decanted back into the city sewer system; 522.5 gallons total. 601 was notified.	Place on High Frequency Cleaning List and scheduled follow-up CCTV inspection.	No
12/28/2018 1:15:00 PM	12/28/2018 2:47:00 PM	912 E Front St	SS.GM.T0006166	N/A; contained in the yard	15	15	MANHOLE	DEBRIS	No	No	Call came in at 1:15 pm; knocked stop off @ 1:45 pm. Sewer coming out of ground 1/2 gpm = 15 gallons of sewer contained in yard. Ran MH T0004988 NE 124 ft and relieved stop. Disinfected and washed down with 500 gallons of fresh water. Notified 601.	Place on High Frequency Cleaning List and scheduled follow-up CCTV inspection.	No

City of Tyler
Consent Decree, DOJ No. 90-S-1-1-09767
Revised Quarterly Report - 2018 Quarter 4
01 October 2018 through 31 December 2018

Start Date/Time	Finish Date/Time	Address/Location	Asset ID	Receiving Stream	Estimated Sanitary Sewer Volume Discharged (gal)	Estimated Sanitary Sewer Volume Recovered (gal)	Component from Which SSO Was Released	Suspected Cause of SSO	Potential Danger to Human Health & Safety or the Environment	Repeat SSO? If yes, list date(s) of previous SSO(s) at this address/asset	Comments/Response to SSO	Follow-Up Actions	Public Notification Made?
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An audit of the information for this Annual Report resulted in finding, and correcting, the following items (see above in italics).

- * Initially submitted with a "Yes", incorrectly indicating that an SSO had previously occurred at this location. City of Tyler's movement to the Cityworks asset management system, and the resulting "learning curve", resulted in incorrect information being generated in a report, that was previously overlooked.
- ** Correctly submitted with a "Yes", indicating a previous SSO at this location. However, the date of the previous SSO was not included.
- *** Two (2) SSOs from lift stations were submitted on a monthly report (TCEQ-20756), as required. However, utilization of the Cityworks asset management system, and the resulting "learning curve", resulted in information being overlooked when a report was generated.

CERTIFICATION:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering such information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including possibility of fine and imprisonment for knowing violations.

ReNissa Wade
ReNissa Wade, Interim Managing Director of Utilities and Public Works

2-28-19
Date

Section D. Training Program (Paragraph 19):

Information relative to City of Tyler's training program is attached. **Tables D-1** through **D-5** list the completed training for each personnel category during the 1 January 2018 through 31 December 2018 reporting period. See **Tables D-6** through **D-10** for a listing of job roles for each category.

Table D-1: Completed Training by Admin/Office/Supervisor Personnel

Tyler Water Utilities



Completed Training List

Filter: Begin: 1/1/2018, End: 12/31/2018, Group: Admin/Office/Supervisor + Subgroups

Trained Date	Course Title	Course Number	Version	Personnel Name	Group	Score	Credits	Hours
11/29/2018	Work Zone Traffic Control	WZTC	1	Lovett, Jared	Admin/Office/Supervisor		16	33
5/11/2018	Cityworks Administration/Reporting	CRS0001020	1	Carreno, Maria	Admin/Office/Supervisor		1	105
2/21/2018	Water Distribution	WWOL-605	1	Marshall, Eddie	Admin/Office/Supervisor		20	20
1/24/2018	Basic Water	WWOL-92	1	Moore, Tim	Admin/Office/Supervisor		20	20
1/24/2018	Basic Water	WWOL-92	1	Vickery, Joe	Admin/Office/Supervisor		20	20

Report Record Count: 5

Report Summary:

77 198

Table D-2: Completed Training by Preventive Maintenance Personnel

Tyler Water Utilities



Completed Training List

Filter: Begin: 1/1/2018, End: 12/31/2018, Group: Preventive Maintenance + Subgroups

Trained Date	Course Title	Course Number	Version	Personnel Name	Group	Score	Credits	Hours
8/30/2018	Utility Safety	WWOL-426	1	Gomez, Roger	Preventive Maintenance		20	24
8/30/2018	Wastewater Treatment - 01350437	CRS0001019	1	Hampton, Jeremiah	Preventive Maintenance		20	24
2/23/2018	Wastewater Collection	WWOL-80	1	Brown, Kelly	Preventive Maintenance		20	20
2/23/2018	Wastewater Collection	WWOL-80	1	Corn, Mitch	Preventive Maintenance		20	20
2/23/2018	Wastewater Collection	WWOL-80	1	Hampton, Jeremiah	Preventive Maintenance		20	20
1/26/2018	Basic Wastewater	WWOL-59	1	Ballew, James	Preventive Maintenance		20	20
1/26/2018	Basic Wastewater	WWOL-59	1	Brown, Kelly	Preventive Maintenance		20	20
1/26/2018	Basic Wastewater	WWOL-59	1	Corn, Mitch	Preventive Maintenance		20	20
1/26/2018	Basic Wastewater	WWOL-59	1	Gomez, Jose	Preventive Maintenance		20	20
1/24/2018	Basic Water	WWOL-92	1	Corn, Mitch	Preventive Maintenance		20	20

Report Record Count: 10

Report Summary:

200 208

Table D-3: Completed Training by Repair/Construction Personnel

Tyler Water Utilities



Completed Training List

Filter: Begin: 1/1/2018, End: 12/31/2018, Group: Repair/Construction + Subgroups

Trained Date	Course Title	Course Number	Version	Personnel Name	Group	Score	Credits	Hours
11/29/2018	Work Zone Traffic Control	WZTC	1	Dockery, Calvin	Repair/Construction		16	33
11/29/2018	Work Zone Traffic Control	WZTC	1	Penaloza, Miguel	Repair/Construction		16	33
8/30/2018	Basic Water	WWOL-92	1	Martinez, Arturo	Repair/Construction		20	24
2/23/2018	Wastewater Collection	WWOL-80	1	Brown, Steve	Repair/Construction		20	20
2/23/2018	Wastewater Collection	WWOL-80	1	Childs, Jacobi	Repair/Construction		20	20
2/21/2018	Water Distribution	WWOL-605	1	Garcia, Olivar	Repair/Construction		20	20
2/21/2018	Water Distribution	WWOL-605	1	Gordon, Ben	Repair/Construction		20	20
2/21/2018	Water Distribution	WWOL-605	1	Martinez, Arturo	Repair/Construction		20	20
2/21/2018	Water Distribution	WWOL-605	1	Williams, Rufeno	Repair/Construction		20	20
1/26/2018	Basic Wastewater	WWOL-59	1	Childs, Jacobi	Repair/Construction		20	20
1/26/2018	Basic Wastewater	WWOL-59	1	Martinez, Arturo	Repair/Construction		20	20
1/24/2018	Basic Water	WWOL-92	1	Garcia, Olivar	Repair/Construction		20	20
1/24/2018	Basic Water	WWOL-92	1	Gordon, Ben	Repair/Construction		20	20
1/24/2018	Basic Water	WWOL-92	1	Martinez, Arturo	Repair/Construction		20	20

Report Record Count: 14

Report Summary:

272 310

Table D-4: Completed Training by Meter Shop-Flushing Personnel

Tyler Water Utilities



Completed Training List

Filter: Begin: 1/1/2018, End: 12/31/2018, Group: Meter Shop-Flushing + Subgroups

Trained Date	Course Title	Course Number	Version	Personnel Name	Group	Score	Credits	Hours
8/30/2018	Basic Water	WWOL-92	1	Howell, Mathew	Meter Shop-Flushing		20	24
2/23/2018	Wastewater Collection	WWOL-80	1	Howell, Mathew	Meter Shop-Flushing		20	20
2/23/2018	Wastewater Collection	WWOL-80	1	Hubbard, Antonio	Meter Shop-Flushing		20	20
1/26/2018	Basic Wastewater	WWOL-59	1	Howell, Mathew	Meter Shop-Flushing		20	20

Report Record Count: 4

Report Summary:

80 84

Table D-5: Completed Training by Administrator Personnel

Tyler Water Utilities



Completed Training List

Filter: Begin: 1/1/2018, End: 12/31/2018, Group: Administrator + Subgroups

Trained Date	Course Title	Course Number	Version	Personnel Name	Group	Score	Credits	Hours
5/11/2018	Cityworks Administration/Reporting	CRS0001020	1	Baldwin, Jonathan	Administrator		1	105
5/11/2018	Cityworks Administration/Reporting	CRS0001020	1	Wahl, Holly	Administrator		1	105
2/23/2018	Wastewater Collection	WWOL-80	1	Wahl, Holly	Administrator		20	20
1/26/2018	Basic Wastewater	WWOL-59	1	Wahl, Holly	Administrator		20	20

Report Record Count: 4

Report Summary:

42 250

Personnel List (By Group)

Preventive Maintenance							
Personnel Name	Login	Number	Phone	Hire Date	Classification	Job Roles	Supervisor
Ballew, James	jballew	12547		4/24/2017	Full-Time	Semi Skilled Laborer	Moore, Tim
Billington, Galen	gbilling	12546		4/24/2017	Full-Time	Laborer	Moore, Tim
Blaylock, Thomas	tblayloc	12239		2/20/2015	Full-Time	UMR	Moore, Tim
Bowen, Ryan	rbowen	12432		4/25/2016	Full-Time	UMR	Moore, Tim
Brown, Kelly	kbrown	12582		7/31/2017	Full-Time	Laborer	Moore, Tim
Carter, Travis	tcarter	12411		2/29/2016	Full-Time	UMR	Phillips, Donny
Corn, Mitch	mcorn	PSN0001038		11/20/2017	Full-Time	UMR	Phillips, Donny
Gomez, Jose	jgomez	30249		12/18/2017	Full-Time	Laborer	Phillips, Donny
Gomez, Roger	rgomez	12316		6/22/2015	Full-Time	UMR	Phillips, Donny
Hampton, Jeremiah	jhampton	12553		5/8/2017	Full-Time	Laborer	Phillips, Donny
Waters, Tyrone	twaters	12035		11/20/2017	Full-Time	Laborer	Phillips, Donny

Table D-8: Job Roles of Repair/Construction Personnel



Personnel List (By Group)

Repair/Construction						
Personnel Name	Login	Number	Phone	Hire Date	Classification	Job Roles
Brown, Steve	sbrown	12526		1/30/2017	Full-Time	Equipment Operator II
Bustos, Jose	jbustos	12477		8/15/2016	Full-Time	Truck Driver
Childs, Jacobi	jchilds	12541		4/10/2017	Full-Time	Laborer
Cravens, Tim	tcravens	10229		10/5/2000	Full-Time	Crew Leader
Curtis, Mike	mcurtis	11721		5/31/2014	Full-Time	Semi Skilled Laborer
Davlin, Bryan	bdavlin	12211		11/24/2014	Full-Time	Truck Driver
Dockery, Calvin	cdockery	12743		9/1/2018	Full-Time	Laborer
Espinosa, David	despinos	PSN0001013		10/5/2017	Full-Time	Crew Leader
Espinosa, Miguel	mespinos	PSN0001021		10/5/2017	Full-Time	Semi Skilled Laborer
Garcia, Oliver	ogarcia	12549		4/24/2017	Full-Time	Truck Driver
Gordon, Ben	bgordon	12517		12/5/2016	Full-Time	Laborer
Helen, Joe	jhelen	11706		4/18/2011	Full-Time	Equipment Operator II
Macias, Raul	rmacias	9517		10/5/2017	Full-Time	Crew Leader
Martinez, Arturo	amartine	10564		10/5/2017	Full-Time	Semi Skilled Laborer
Penaloza, Miguel	mpenaloz	12107		4/28/2014	Full-Time	Truck Driver
Robinson, Russ	rrobinso	10146	903-531-1285	12/29/2008	Full-Time	Crew Leader
Spillers, Russell	rspiller	12006		2/10/2018	Full-Time	Truck Driver
Wade, Kelvin	kwade	PSN0001059		2/13/2018	Full-Time	Laborer
Williams, Rufeno	rwiliam	11421		3/8/2006	Full-Time	Equipment Operator II
						Supervisor
						Hughes, Greg
						Cravens, Tim
						Robinson, Russ
						Vickery, Joe
						Olson, Kevin
						Macias, Raul
						Espinosa, David
						Hughes, Greg
						Macias, Raul
						Hughes, Greg
						Moore, Tim
						Cravens, Tim
						Hughes, Greg
						Espinosa, David
						Robinson, Russ
						Vickery, Joe
						Boyle, Kenny
						Hughes, Greg
						Hughes, Greg

Table D-9: Job Roles of Meter Shop-Flushing Personnel



Personnel List (By Group)

Meter Shop-Flushing						
Personnel Name	Login	Number	Phone	Hire Date	Classification	Job Roles
Battee, William	wbattee	PSN0001017		10/5/2017	Full-Time	Meter Repairman
Boyle, Kenny	kboyle	12413		10/5/2017	Full-Time	UMR
Brandt, Jonathon	jbrandt	PSN0001044		2/10/2018	Full-Time	GIS Manager
Burden, Michael	mburden	PSN0001016		10/5/2017	Full-Time	Meter Repairman
Flores, Brijido	bflores	PSN0001015		10/5/2017	Full-Time	Meter Repairman
Gomez, Phillip	pgomez	PSN0001018		10/5/2017	Full-Time	Semi Skilled Laborer
Hooter, Jake	jhooter	PSN0001052		2/11/2018	Full-Time	Laborer
Howell, Mathew	mhowell	12540		4/10/2017	Full-Time	Semi Skilled Laborer
Hubbard, Antonio	ahubbard	12367		11/23/2015	Full-Time	Semi Skilled Laborer
						Supervisor
						Marshall, Eddie
						Olson, Kevin
						House, Lloyd
						Marshall, Eddie
						Marshall, Eddie
						Marshall, Eddie
						Moore, Tim

Table D-10: Job Roles of Administrator Personnel

Tyler Water Utilities



Personnel List (By Group)

Administrator						
Personnel Name	Login	Number	Phone	Hire Date	Classification	Job Roles
Administrator, Administrator	admin	PSN0000001	(123) 123-1234	6/26/2007	Full-Time	
Baldwin, Jonathan	jbaldwin	12378		11/9/2015	Full-Time	GIS Manager
Wahl, Holly	hwahl	PSN0001045		10/9/2017	Full-Time	GIS Manager
						Wahl, Holly

Section E. SSO Reporting (Paragraphs 24.c and 25):

Monthly Compliance Reports

See the following pages for copies of monthly compliance reports for the 1 January 2018 through 31 December 2018 reporting period.

Releases or Backups from Private Laterals

Table E-1 displays the releases or backups from private laterals that occurred during the reporting period.

Table E-1: Listing of Releases and/or Backups from Private Laterals

Work Order	Date & Time	Address/Location	Cause
9344	1/3/2018 7:59:05 AM	2300 Plume Dr	Grease/Roots
9355	1/2/2018 7:55:42 AM	1203 S Vine	Debris
9557	1/8/2018 2:11:59 PM	N Virginia and e line	Grease/Roots
9558	1/8/2018 11:49:29 AM	8393 Garrett	Grease/Roots
9565	1/8/2018 3:46:34 PM	3133 vineyard	Debris
9897	1/19/2018 8:45:41 AM	3307 Carver St	Debris
10334	1/29/2018 2:21:38 PM	506 s vine	Debris
10365	1/29/2018 1:08:31 PM	7011 South Place	Debris
10408	1/30/2018 7:39:30 PM	5502 S Broadway Ave	Debris
10562	2/5/2018 12:29:00 PM	1800 Pine Crest	Broken Pipe
10589	2/5/2018 9:12:13 AM	1107 College ave	Debris
10593	2/5/2018 2:09:28 PM	1405 mockingbird	Debris
10955	2/15/2018 8:04:35 AM	924 N Parkdale Dr	Broken Pipe
10987	2/16/2018 8:14:36 AM	2512 Marilyn	Roots
11030	2/19/2018 8:06:53 AM	1206 clyde	Debris
11079	2/20/2018 3:54:59 PM	510 E Queen	Debris
11093	2/20/2018 3:39:18 PM	4100 troupe hwy	Blockage
11106	2/21/2018 7:52:59 AM	1709 Merrill Dr	Debris
11114	2/21/2018 2:06:01 PM	945 Baxter Ave	Debris
11140	2/26/2018 8:17:42 AM	2602 SHENANDOAH DR	Debris
11143	2/26/2018 8:37:02 AM	1313 Pabst Ave	Debris
11155	2/26/2018 10:19:41 AM	714 Shelley	Debris
11190	2/27/2018 7:46:58 AM	2011 Sterling	Debris
11295	3/1/2018 11:04:48 AM	2714 Tenneha Ave	Debris
11309	3/1/2018 5:24:01 PM	2820 staley dr	Debris
11373	3/6/2018 9:00:31 AM	3200 HARWOOD DR	Debris
11384	3/5/2018 8:15:30 PM	2102 Boldt Ave	Debris
11463	3/8/2018 8:27:21 AM	2701 Frankston Hwy	Debris
11486	3/7/2018 4:47:44 PM	3228 shady trail	Debris
11511	3/15/2018 11:24:23 AM	1715 Mahon Ave	Broken Pipe
11538	3/12/2018 7:37:21 AM	1820 Don St	Debris
11715	3/16/2018 10:14:57 AM	2704 Brentwood Dr	Debris
11721	3/19/2018 9:22:18 AM	6618 Joy Dr	Blockage
11753	3/17/2018 10:47:26 AM	715 E line	Blockage

Table E-1: Listing of Releases and/or Backups from Private Laterals

11861	3/22/2018 9:18:52 AM	730 S Chilton Ave	Blockage
11964	3/23/2018 3:50:25 PM	1118 W Gentry Pkwy	Blockage
11998	3/28/2018 1:43:03 PM	3915 Pinedale Pl	Roots
12039	3/28/2018 4:24:40 PM	Grand and mims	Grease
12274	4/9/2018 4:50:15 PM	1601 Everglades Dr	Blockage
12490	4/17/2018 10:12:56 AM	2321 e devine	Blockage
12509	4/18/2018 10:35:21 AM	2314 Holley St	Blockage
12625	4/24/2018 9:14:19 PM	3715 wynnwood	Grease
12637	4/23/2018 5:27:36 PM	2695 S Southwest Loop 323	Blockage
12755	4/30/2018 4:13:37 PM	3915 Pinedale Pl	Roots
12768	5/1/2018 12:12:08 PM	Connally St & Old Noonday Rd	Blockage
12774	5/1/2018 12:10:55 PM	s palace & connally	Blockage
12926	5/8/2018 3:04:25 PM	4250 old omen unit 3012	Debris
12998	5/10/2018 1:03:42 PM	3404 Glendale Dr	Blockage
13074	5/19/2018 9:49:32 AM	2695 SSW Loop 323	Broken Pipe
13164	5/17/2018 10:27:21 AM	2806 Amy Ln	Roots
13221	5/19/2018 8:21:08 AM	201 Mac Arthur	Lift Station
13495	5/30/2018 12:22:51 PM	Rickety Ln & sybil	Blockage
13630	6/28/2018 1:51:37 PM	Paluxy between Rickety & Sybil	Blockage
14321	7/2/2018 7:30:05 AM	511 Forest Ave	Manhole Repair
14489	7/6/2018 8:01:57 AM	514 Forest Ave	Blockage
14710	7/16/2018 6:12:24 AM	621 s fannin	Debris
14842	7/20/2018 6:47:05 AM	southside plant	Blockage
15227	8/1/2018 1:53:06 PM	627 Turtle Creek Dr	Debris
15409	8/6/2018 7:47:19 AM	1000 Buckley Ave	Blockage
15973	8/27/2018 5:33:31 PM	423 Anderson Ave	Blockage
16000	8/27/2018 12:05:23 PM	N Parkdale Dr & W Erwin St	Manhole Repair
16074	8/29/2018 9:35:54 AM	9129 C R 1138	Broken Pipe
16113	8/30/2018 10:36:57 AM	1019/1020 Baxter Ave	Blockage
16209	9/26/2018 3:02:43 PM	1500 Crescent Dr	Broken Pipe
16284	9/7/2018 7:22:37 AM	129 forest	Blockage
16304	9/10/2018 9:19:17 AM	324 Brookwood Dr	Blockage
16338	9/11/2018 8:43:40 AM	6700 Hollytree Dr	Broken Pipe
16348	9/11/2018 8:40:33 AM	827 W Bow St	Blockage
16429	9/14/2018 7:39:04 AM	3906 Cameron Ave	Blockage

Table E-1: Listing of Releases and/or Backups from Private Laterals

16487	9/17/2018 7:26:00 AM	4218 chandler hwy	Roots
16552	9/19/2018 7:50:59 AM	858 S Southeast Loop 323	Blockage
16694	9/24/2018 1:01:24 PM	2817 Marilyn Dr	Blockage
16806	9/27/2018 6:36:53 AM	Renee Ave & Spur 124	Blockage
16859	10/1/2018 8:43:28 AM	511 s lyons	Debris
16902	10/1/2018 2:32:18 PM	525 S Beckham Ave	Grease
17277	10/16/2018 9:50:07 AM	2739 W Northwest Loop 323	Blockage
17352	10/27/2018 7:27:41 AM	721 N Bois D Arc Ave	Grease
17389	10/20/2018 8:11:45 AM	2121 Shaw St	Broken Pipe
17430	10/29/2018 12:31:18 PM	900 s baxter	Grease
17439	10/22/2018 5:03:11 PM	1402 Academy Ave	Blockage
17579	10/26/2018 12:45:20 PM	1505 E Erwin St	Blockage
17599	10/26/2018 2:32:02 PM	100 Independence Pl and Broadway	Grease
17827	11/5/2018 3:57:59 PM	E Houston St & Saunders Ave	Broken Pipe
17993	11/8/2018 4:28:29 PM	2325 Pleasant Dr	Debris
17998	11/8/2018 4:47:32 PM	100 Independence Pl	Blockage
18059	11/14/2018 8:31:17 AM	Mc Donald and alpha	grease
18449	12/1/2018 7:15:26 AM	1124 S Sneed Ave	Broken Pipe
18718	12/13/2018 3:34:59 PM	birdwell and loop 323	Debris
18719	12/6/2018 1:24:23 PM	115 W Ferguson St	Debris
19117	12/26/2018 5:08:55 PM	1415 Kidd Dr	Blockage
19162	12/26/2018 4:00:35 PM	1206 Clyde Dr	Debris
19163	12/26/2018 4:01:07 PM	800 Woodhall Pl	Debris
19171	12/31/2018 4:15:29 PM	Bradshaw Dr & Cope St	Debris
19177	12/26/2018 4:03:39 PM	323 N Beckham Ave	Grease
19181	12/27/2018 9:54:55 AM	Graham Dr & Robertson Ave	Infiltration Issue
19195	12/27/2018 1:45:16 PM	3107 Brookside Dr	Blockage
19198	12/27/2018 1:42:45 PM	117 Tournament Rd	Blockage
19199	12/27/2018 2:35:03 PM	2600 McDonald Rd	Debris



See back of form for guidance for completion

General Information: January 2018

Permittee: ☒

Subscriber: ☐

Regulated Entity Name: City of Tyler **903-531-1285**

EPA ID No.:

EPA ID No:

[illegible]

TCEQ Region: Region 5 - Tyler

Permit No: TCEQ 10653-01 TX 0049996 Westside Plant County: Smith

Start Date Start Time	End Date End Time	Volume (gallons)	Location	Cause	Steps taken to reduce, eliminate, and prevent recurrence	Description/Content	Standard Method for Volume Calculation
1/5/18 at 5:53PM	1/5/18 at 9:15PM	75	Virginia & Line Manhole (T0005615)	Grease & Roots	Schedule Cable, Wash & CCTV.	Manhole (T0005615) overflowed approx. 75 gals contained on ground. Disinfected & washed down with 100 gals fresh water. Unable to retrieve any spillage.	Duration & Volume
1/17/18 at 3:57PM	1/17/18 at 4:30PM	66	3307 Carver 6" cleanout (T0010262)	Debris	Schedule Cable, Wash & CCTV.	6" Cleanout (T0010262) overflowed approx. 66 gals contained on ground. Disinfected area around cleanout. Unable to retrieve any of spillage.	Duration & Volume
1/26/18 at 8:29PM	1/26/18 at 9:50PM	81	506 S. Vine 8" main (T0009095)	Roots & Debris	Schedule Cable, Wash & CCTV.	Overflowed 50 gals in house & 31 gals contained in yard. Disinfected and washed down with 400 gals fresh water. Crew cleaned inside house.	Duration & Volume

Information Reported by (Name/Title) Kevin R. Olson / Operations Manager Signature: Kevin R. Olson 2/9/18

TCEQ-20756 (06-27-16)

Note: A copy of this form should be sent to your TCEQ Regional Office no later than the 20th day of the following month and the original to the TCEQ Compliance Monitoring Team (MC224), Enforcement Division, P.O. Box 13087, Austin, TX 78711-3087

*If the accidental spill or discharge occurs at a Subscriber system (collection system only), use the RN associated to the collection system. If you are uncertain of your RN, you may call the TCEQ Regional Office for assistance.

Start Date Start Time	End Date End Time	Volume (gallons)	Location	Cause	Steps taken to reduce, eliminatc, and prevent recurrence	Description/Content	Standard Method for Volume Calculation
Date Reported <u>2/9/18</u> FAX to 903- <u>525-0384</u> Attn: Lisa Fisher Mailed to Austin: <u>2/9/18</u>							

When reporting an accidental or unauthorized discharge or spill, it is important to include all information that is requested on the notification form. If you have questions about the form, do not hesitate to call your TCEQ Regional Office and ask to speak to a wastewater investigator. All information should comply with reporting requirements noted in Texas Water Code Section 26.039, 30 Texas Administrative Code (TAC) Section 305.132, and, if applicable, 30 TAC Section 327.32.

This form may be used in lieu of 24-hour notification to the Regional Office when the accidental or unauthorized discharge or spill meets the requirements in 30 TAC 305.132 and 30 TAC 327.32. You must fax or mail a completed, signed copy within 20 days of the following month to the Water Section Manager at your TCEQ Regional Office. The original, signed copy should be mailed to the address located at the bottom of the form.

General Information

Entity name - permitted name or owner name for subscriber systems.

Permit Number - Your TCEQ WQ permit number (i.e., WQ0012345001). If you are a subscriber, use the RN to which the collection system is associated. If the RN is unknown, please call the TCEQ Regional Office for assistance.

Noncompliance Summary

Volume - volume must be estimated by the one of the four methods outlined in 30 TAC

Location - include address or latitude and longitude coordinates

Cause - grease, blockage, infiltration or inflow, equipment failure, power outage, other?

Steps taken reduce, eliminate or prevent recurrence - List all steps taken to ensure no further reoccurrences

Description/content - a description of the events that lead to the spill including the contents of the spill and actions taken to clean

Standard Method - name the method you used to estimate the volume

TCEQ-20756 (06-27-16)



Accidental Discharge or Spill Monthly Summary Form

See back of form for guidance for completion

General Information: January 2018

Permittee: ☒

Subscriber: ☐

Regulated Entity Name: **City of Tyler** 903-531-1285

EPA ID No: Click here to enter text.

Regulated Entity No: Click here to enter text.

TCEQ Region: **Region 5 - Tyler**

Permit No: **TCEQ 10653-02 TX 0047988** Southside Plant

County: **Smith**

Start Date Start Time	End Date End Time	Volume (gallons)	Location	Cause	Steps taken to reduce, eliminate, and prevent recurrence	Description/Content	Standard Method for Volume Calculation
1/5/18 at 5:19PM	1/5/18 at 7:19PM	60	8393 Garrett Manhole (T0000544)	Grease & Debris	Schedule Cable, Wash & CCTV.	Manhole overflowed approx. 60 gals contained on street. Disinfected and washed down with 400 gals fresh water. Unable to retrieve any of spillage.	Duration & Volume
1/6/18 at 3:12PM	1/6/18 at 6:15PM	183	3133 Vineyard Manhole (T0002396)	Debris	Schedule Cable, Wash & CCTV.	Manhole overflowed approx. 183 gals contained in storm drain. Disinfected & washed down with fresh water.	Duration & Volume

Information Reported by (Name/Title) **Kevin R. Olson/ Operations Manager**

Signature: [Signature]

FAX to 903-
525-0384

Attn: Lisa Fisher

Mailed to Austin:

Date Reported 2/9/18

2/9/18

2/9/18

TCEQ-20756 (06-27-16)

Note: A copy of this form should be sent to your TCEQ Regional Office no later than the 20th day of the following month and the original to the TCEQ Compliance Monitoring Team (MC224), Enforcement Division, P.O. Box 13087, Austin, TX 78711-3087

*If the accidental spill or discharge occurs at a Subscriber system (collection system only), use the RN associated to the collection system. If you are uncertain of your RN, you may call the TCEQ Regional Office for assistance.



Accidental Discharge or Spill Monthly Summary Form

See back of form for guidance for completion

General Information: February 2018

Permittee: ☒

Subscriber: ☐

Regulated Entity Name: City of Tyler 903-531-1285

EPA ID No: Click here to enter text.

Regulated Entity No: Click here to enter text.

TCEQ Region: Region 5 - Tyler

Permit No: TCEQ 10653-01 TX 0049996 Westside Plant

County: Smith

Start Date Start Time	End Date End Time	Volume (gallons)	Location	Cause	Steps taken to reduce, eliminate, and prevent recurrence	Description/Content	Standard Method for Volume Calculation
2/4/18 at 2:07PM	2/4/18 at 3:39PM	10	1405 Mockingbird G.M. (T0007129)	Grease & Debris	Schedule Cable, Wash & CCTV.	6" main (T0007129) stoppage. Leaked approx. 10 gals sewer contained on ground. Disinfected and washed down. Unable to retrieve any of spill.	Duration & Volume
2/14/18 at 12:01PM	2/14/18 at 12:53PM	104	924 Parkdale G.M. (T0000397)	Broken main	Crew made repairs. Schedule Cable, Wash & CCTV.	8" main (T0000397) stoppage. Leaked approx. 104 gals sewer contained on ground. Disinfected and washed down with 700 gals fresh water. Unable to retrieve any spillage.	Duration & Volume
							Duration & Volume

Information Reported by (Name/Title) Kevin R. Olson/ Operations Manager Signature:

TCEQ-20756 (06-27-16)

Note: A copy of this form should be sent to your TCEQ Regional Office no later than the 20th day of the following month and the original to the TCEQ Compliance Monitoring Team (MC224), Enforcement Division, P.O. Box 13087, Austin, TX 78711-3087

*If the accidental spill or discharge occurs at a Subscriber system (collection system only), use the RN associated to the collection system. If you are uncertain of your RN, you may call the TCEQ Regional Office for assistance.

Start Date Start Time	End Date End Time	Volume (gallons)	Location	Cause	Steps taken to reduce, eliminate, and prevent recurrence	Description/Content	Standard Method for Volume Calculation
Date Reported <u>3/12/18</u> FAX to 903-525-0384 Attn: Lisa Fisher Mailed to Austin: <u>3/12/18</u>							

When reporting an accidental or unauthorized discharge or spill, it is important to include all information that is requested on the notification form. If you have questions about the form, do not hesitate to call your TCEQ Regional Office and ask to speak to a wastewater investigator. All information should comply with reporting requirements noted in Texas Water Code Section 26.039, 30 Texas Administrative Code (TAC) Section 305.132, and, if applicable, 30 TAC Section 327.32.

This form may be used in lieu of 24-hour notification to the Regional Office when the accidental or unauthorized discharge or spill meets the requirements in 30 TAC 305.132 and 30 TAC 327.32. You must fax or mail a completed, signed copy within 20 days of the following month to the Water Section Manager at your TCEQ Regional Office. The original, signed copy should be mailed to the address located at the bottom of the form.

General Information

Entity name - permitted name or owner name for subscriber systems.

Permit Number - Your TCEQ WQ permit number (i.e., WQ0012345001). If you are a subscriber, use the RN to which the collection system is associated. If the RN is unknown, please call the TCEQ Regional Office for assistance.

Noncompliance Summary

Volume - volume must be estimated by the one of the four methods outlined in 30 TAC

Location - include address or latitude and longitude coordinates

Cause - grease, blockage, infiltration or inflow, equipment failure, power outage, other?

Steps taken reduce, eliminate or prevent recurrence - List all steps taken to ensure no further reoccurrences

Description/content - a description of the events that lead to the spill including the contents of the spill and actions taken to clean

Standard Method - name the method you used to estimate the volume



Accidental Discharge or Spill Monthly Summary Form

See back of form for guidance for completion

General Information: February 2018

Permittee: ☒

Subscriber: ☐

Regulated Entity Name: **City of Tyler** **903-531-1285**

EPA ID No: Click here to enter text.

Regulated Entity No: Click here to enter text.

TCEQ Region: **Region 5 - Tyler**

Permit No: **TCEQ 10653-02 TX 0047988** **Southside Plant**

County: **Smith**

Start Date Start Time	End Date End Time	Volume (gallons)	Location	Cause	Steps taken to reduce, eliminate, and prevent recurrence	Description/Content	Standard Method for Volume Calculation
2/26/18 at 6:06PM	2/26/18 at 6:57PM	12 3/4 gals	714 Shelley Manhole (T0003405)	Debris	Schedule Cable, Wash & CCTV.	Manhole (T0003405) overflowed approx. 12 3/4 gals contained in street. Disinfected & washed down with 35 gals fresh water. Pumped approx. 15 gals sewer back into sewer system.	Duration & Volume
							Duration & Volume

Information Reported by (Name/Title) **Kevin R. Olson/ Operations Manager**

Signature: _____

**FAX to 903-
525-0384**

Attn: Lisa Fisher

Mailed to Austin:

Date Reported _____

TCEQ-20756 (06-27-16)

Page 1

Note: A copy of this form should be sent to your TCEQ Regional Office no later than the 20th day of the following month and the original to the TCEQ Compliance Monitoring Team (MC224), Enforcement Division, P.O. Box 13087, Austin, TX 78711-3087

*If the accidental spill or discharge occurs at a Subscriber system (collection system only), use the RN associated to the collection system. If you are uncertain of your RN, you may call the TCEQ Regional Office for assistance.



Accidental Discharge or Spill Monthly Summary Form

See back of form for guidance for completion

COPY

General Information: **March 2018**

Permittee: ☒

Subscriber: ☐

Regulated Entity Name: **City of Tyler 903-531-1285**

EPA ID No: [Click here to enter text.](#)

Regulated Entity No: [Click here to enter text.](#)

TCEQ Region: **Region 5 - Tyler**

Permit No: **TCEQ 10653-01 TX 0049996 Westside Plant**

County: **Smith**

Start Date Start Time	End Date End Time	Volume (gallons)	Location	Cause	Steps taken to reduce, eliminate, and prevent recurrence	Description/Content	Standard Method for Volume Calculation
3/1/18 at 8:37AM	3/1/18 at 8:50AM	1	2714 Tenneha 8" main (T0008164) stoppage	Roots & Debris	Schedule Cable, Wash & CCTV.	4" cleanouts overflowed approx. 1 gal. contained on ground. Disinfected and washed down with 20 gals fresh water. Unable to retrieve.	Duration & Volume
3/5/18 at 3:43PM	3/5/18 at 4:15pm	64	2102 Boldt (T0008852)	Debris	Schedule Cable, Wash & CCTV	Disinfected area with HTH and washed down with about 200 gals of fresh water. About 100 gals of sewer and water returned to system.	Duration & Volume
3/16/18 at 12:56pm	3/16/18 at 1:07pm	44	715 E. Line (T0004588)	Debris	Schedule Cable, Wash & CCTV	Manhole overflowed about 44 gals of sewer. Disinfected area and washed down with about 156 gals of fresh water. Vac'd up about 200 gals of sewer and fresh water. Returned to system.	Duration & Volume

Information Reported by (Name/Title) Mike Norris/ Wastewater Utilities
Manager

Signature: Mike Norris

Date Reported 4/30/2018
FAX to 903-
525-0389

Attn: Lisa Fisher
Mailed to Austin:

TCEQ-20756 (06-27-16)

Note: A copy of this form should be sent to your TCEQ Regional Office no later than the 20th day of the following month and the original to the TCEQ Compliance Monitoring Team (MC224), Enforcement Division, P.O. Box 13087, Austin, TX 78711-3087

*If the accidental spill or discharge occurs at a Subscriber system (collection system only), use the RN associated to the collection system. If you are uncertain of your RN, you may call the TCEQ Regional Office for assistance.

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Accidental Discharge or Spill Monthly Summary Form

See back of form for guidance for completion

General Information: March 2018

Permittee: ☒

Subscriber: ☐

Regulated Entity Name: **City of Tyler** 903-531-1285

EPA ID No: Click here to enter text.

Regulated Entity No: Click here to enter text.

TCEQ Region: **Region 5 - Tyler**

Permit No: **TCEQ 10653-02 TX 0047988** Southside Plant

County: **Smith**

Start Date Start Time	End Date End Time	Volume (gallons)	Location	Cause	Steps taken to reduce, eliminate, and prevent recurrence	Description/Content	Standard Method for Volume Calculation
3/7/18 at 3:13pm	3/7/18 at 3:53pm	800	6150 Rhones Quarter	Contractor damage	N/A	The mobile home park has a private collection system. We first believed it to be a private issue. They dug it up and found the force main. We made the repair. Disinfected the area and washed down with about 500 gals of fresh water. Private pumping contractor cleaned up the area and returned to our system.	Duration & Volume

Information Reported by (Name/Title): **Mike Norris/Wastewater Utilities Manager**

Signature: *M. Norris*

FAX to 903-
525-0389

Attn: **Lisa Fisher** Mailed to Austin:

Date Reported 4/20/2018

TCEQ-20756 (06-27-16)

Note: A copy of this form should be sent to your TCEQ Regional Office no later than the 20th day of the following month and the original to the TCEQ Compliance Monitoring Team (MC224), Enforcement Division, P.O. Box 13087, Austin, TX 78711-3087

*If the accidental spill or discharge occurs at a Subscriber system (collection system only), use the RN associated to the collection system. If you are uncertain of your RN, you may call the TCEQ Regional Office for assistance.



Accidental Discharge or Spill Monthly Summary Form

See back of form for guidance for completion

COPY

General Information: March 2018

Permittee: ☒

Subscriber: ☐

Regulated Entity Name: **City of Tyler** 903-531-1285

EPA ID No: [Click here to enter text.](#)

Regulated Entity No: [Click here to enter text.](#)

TCEQ Region: **Region 5 - Tyler**

Permit No: **TCEQ 10653-01 TX 0049996 Westside Plant**

County: **Smith**

Start Date Start Time	End Date End Time	Volume (gallons)	Location	Cause	Steps taken to reduce, eliminate, and prevent recurrence	Description/Content	Standard Method for Volume Calculation
3/1/18 at 8:37AM	3/1/18 at 8:50AM	1	2714 Tenneha 8" main (T0008164) stoppage	Roots & Debris	Schedule Cable, Wash & CCTV.	4" cleanouts overflowed approx. 1 gal. contained on ground. Disinfected and washed down with 20 gals fresh water. Unable to retrieve.	Duration & Volume
3/5/18 at 3:43PM	3/5/18 at 4:15pm	64	2102 Boldt (T0008852)	Debris	Schedule Cable, Wash & CCTV	Disinfected area with HTH and washed down with about 200 gals of fresh water. About 100 gals of sewer and water returned to system.	Duration & Volume
3/16/18 at 12:56pm	3/16/18 at 1:07pm	44	715 E. Line (T0004588)	Debris	Schedule Cable, Wash & CCTV	Manhole overflowed about 44 gals of sewer. Disinfected area and washed down with about 156 gals of fresh water. Vac'd up about 200 gals of sewer and fresh water. Returned to system.	Duration & Volume

Information Reported by (Name/Title) Mike Norris/ Wastewater Utilities
Manager

Signature: *Mike Norris*

FAX to 903-
525-0389

Attn: Lisa Fisher

Mailed to Austin:

Date Reported 4/30/2018

TCEQ-20756 (06-27-16)

Note: A copy of this form should be sent to your TCEQ Regional Office no later than the 20th day of the following month and the original to the TCEQ Compliance Monitoring Team (MC224), Enforcement Division, P.O. Box 13087, Austin, TX 78711-3087

*If the accidental spill or discharge occurs at a Subscriber system (collection system only), use the RN associated to the collection system. If you are uncertain of your RN, you may call the TCEQ Regional Office for assistance.



Accidental Discharge or Spill Monthly Summary Form

See back of form for guidance for completion

COPY

General Information: March 2018

Permittee: ☒

Subscriber: ☐

Regulated Entity Name: **City of Tyler** 903-531-1285

EPA ID No: Click here to enter text.

Regulated Entity No: Click here to enter text.

TCEQ Region: **Region 5 - Tyler**

Permit No: **TCEQ 10653-02 TX 0047988** Southside Plant

County: **Smith**

Start Date Start Time	End Date End Time	Volume (gallons)	Location	Cause	Steps taken to reduce, eliminate, and prevent recurrence	Description/Content	Standard Method for Volume Calculation
3/7/18 at 3:13pm	3/7/18 at 3:53pm	800	6150 Rhones Quarter	Contractor damage	N/A	The mobile home park has a private collection system. We first believed it to be a private issue. They dug it up and found the force main. We made the repair. Disinfected the area and washed down with about 500 gals of fresh water. Private pumping contractor cleaned up the area and returned to our system.	Duration & Volume

Information Reported by (Name/Title): **Mike Norris/Wastewater Utilities Manager**

Signature: *M. Norris*

FAX to 903-
525-0389

Attn: **Lisa Fisher** Mailed to Austin:

Date Reported 4/30/2018

TCEQ-20756 (06-27-16)

Page 1

Note: A copy of this form should be sent to your TCEQ Regional Office no later than the 20th day of the following month and the original to the TCEQ Compliance Monitoring Team (MC224), Enforcement Division, P.O. Box 13087, Austin, TX 78711-3087

*If the accidental spill or discharge occurs at a Subscriber system (collection system only), use the RN associated to the collection system. If you are uncertain of your RN, you may call the TCEQ Regional Office for assistance.



Accidental Discharge or Spill Monthly Summary Form

See back of form for guidance for completion

COPY

General Information: April 2018

Permittee: ☒

Subscriber: ☐

Regulated Entity Name: **City of Tyler** 903-531-1285

EPA ID No: Click here to enter text.

Regulated Entity No: Click here to enter text.

TCEQ Region: **Region 5 - Tyler**

Permit No: **TCEQ 10653-01 TX 0049996** Westside Plant

County: **Smith**

Start Date Start Time	End Date End Time	Volume (gallons)	Location	Cause	Steps taken to reduce, eliminate, and prevent recurrence	Description/Content	Standard Method for Volume Calculation
4/4/18 at 1:38PM	4/4/18 at 2:08PM	30	Earl Campbell Pkwy	Grease	Schedule Cable, Wash & CCTV	MH in street overflowing @ 1GPM into storm drain. Flushed with 1500 gals fresh water & disinfected. Unable to retrieve.	Duration & Volume
4/24/2018 8:00 pm	4/24/2018 9:00 pm	30	720 Rosedale	Debris	Schedule pm cable Pm wash cctv	Manhole at 720 Rosedale overflowed approximately 30 gallons of sewer into storm drain and into creek. Called crew pump creek sanitized with hth and approximately 250 gallons of water. opened fire hydrant at 1118 e gentry approximately 300 gpm 1830 gallons of fresh water and sewer pumped by into creek	Duration & volume
4/27/2018 1:03 pm	4/27/2018 1:28 pm	13.5	South palace ave & Connelly	debris	Schedule pm cable Wash and cctv	Noticed manhole leaking approx. 5 gpm at Connelly and went to downstream manhole at south palace ran west 150 feet hit stop at 140 feet. Relieved stop at 145 feet approx. 13.5 gallons of sewer contained in the curd and gutter vac'd up sewer from curd sanitized with hth opened fire hydrant flushed approx. 500 gallons fresh water vac'd up 513 gallons of water and sewer mix	Duration & volume

TCEQ-20756 (06-27-16)

Note: A copy of this form should be sent to your TCEQ Regional Office no later than the 20th day of the following month and the original to the TCEQ Compliance Monitoring Team (MC224), Enforcement Division, P.O. Box 13087, Austin, TX 78711-3087

*If the accidental spill or discharge occurs at a Subscriber system (collection system only), use the RN associated to the collection system. If you are uncertain of your RN, you may call the TCEQ Regional Office for assistance.

Start Date Start Time	End Date End Time	Volume (gallons)	Location	Cause	Steps taken to reduce, eliminate, and prevent recurrence	Description/Content	Standard Method for Volume Calculation
4/27/2018 12:20 pm	4/27/2018 1:16 pm	35	Connally & old noonday	debris	Schedule pm cable, wash and cctv	Arrived at location saw the manhole at Connally and south Glenwood was leaking approx. 0.5 gpm went to downstream manhole and 1016 rusk ran south 353 feet hit stop at 300 feet relieved stop at 320 feet approx. 35 gallons of sewer contained in storm drain opened fire hydrant flushed and vac'd up 535 gallons of water & sewer and sanitized with hth washed down around manhole	Duration & volume

Information Reported by (Name/Title) Michael Norris, Manager Wastewater Utilities Systems Signature: *M. Norris*

Date Reported 5/18/2018 FAX to 903-525-0389 Attn: Lisa Fisher Mailed to Austin: 5/18/18

When reporting an accidental or unauthorized discharge or spill, it is important to include all information that is requested on the notification form. If you have questions about the form, do not hesitate to call your TCEQ Regional Office and ask to speak to a wastewater investigator. All information should comply with reporting requirements noted in Texas Water Code Section 26.039, 30 Texas Administrative Code (TAC) Section 305.132, and, if applicable, 30 TAC Section 327.32.

This form may be used in lieu of 24-hour notification to the Regional Office when the accidental or unauthorized discharge or spill meets the requirements in 30 TAC 305.132 and 30 TAC 327.32. You must fax or mail a completed, signed copy within 20 days of the following month to the Water Section Manager at your TCEQ Regional Office. The original, signed copy should be mailed to the address located at the bottom of the form.

General Information

Entity name - permitted name or owner name for subscriber systems.

Permit Number - Your TCEQ WQ permit number (i.e., WQ0012345001). If you are a subscriber, use the RN to which the collection system is associated. If the RN is unknown, please call the TCEQ Regional Office for assistance.

Noncompliance Summary

Volume - volume must be estimated by the one of the four methods outlined in 30 TAC

Location - include address or latitude and longitude coordinates

Cause - grease, blockage, infiltration or inflow, equipment failure, power outage, other?

Steps taken reduce, eliminate or prevent recurrence - List all steps taken to ensure no further reoccurrences

Description/content - a description of the events that lead to the spill including the contents of the spill and actions taken to clean

TCEQ-20756 (06-27-16)



Accidental Discharge or Spill Monthly Summary Form

See back of form for guidance for completion

General Information: April 2018

Permittee: ☒

Subscriber: ☐

Regulated Entity Name: **City of Tyler** 903-531-1285

EPA ID No: Click here to enter text.

Regulated Entity No: Click here to enter text.

TCEQ Region: **Region 5 - Tyler**

Permit No: **TCEQ 1065302 TX 0047988** Southside Plant

County: **Smith**

COPY

Start Date Start Time	End Date End Time	Volume (gallons)	Location	Cause	Steps taken to reduce, eliminate, and prevent recurrence	Description/Content	Standard Method for Volume Calculation
4/21/2018 12:55 PM	4/21/2018 1:30 PM	70	3715 Wynnwood	Grease	Follow-up cleaning & cctv, added to 6 month program	C/O leaking 2 gpm into flowing creek call came in at 12:55 pm relieved stop @1:30. Approx 70 gallons of sewer enter flowing creek. Disinfected & cleaned up and flushed 12,500 gallons of fresh water. Raining outside so sewer was unretrievable. Ran MH @ 3815 Wynnwood north 30ft to relieve stop. This was a grease stop. Notified 607.	Duration & Volume 35 minutes, 70 gallons
4/6/2018 8:06 AM	4/6/2018 12:25 PM	3,855	1601 Everglades	Grease, Roots, Debris	Follow-up cleaning & cctv		Duration & Volume 4 Hours, 3,855 gallons

TCEQ-20756 (06-27-16)

Page 1

Note: A copy of this form should be sent to your TCEQ Regional Office no later than the 20th day of the following month and the original to the TCEQ Compliance Monitoring Team (MC224), Enforcement Division, P.O. Box 13087, Austin, TX 78711-3087

*If the accidental spill or discharge occurs at a Subscriber system (collection system only), use the RN associated to the collection system. If you are uncertain of your RN, you may call the TCEQ Regional Office for assistance.

Start Date Start Time	End Date End Time	Volume (gallons)	Location	Cause	Steps taken to reduce, eliminate, and prevent recurrence	Description/Content	Standard Method for Volume Calculation
Information Reported by (Name/Title) Michael Norris/Manager, Wastewater Utilities Systems Signature: <i>Michael Norris</i>							
Date Reported <u>5/18/2018</u> FAX to 903-525-0389 Attn: Lisa Fisher Mailed to Austin: <u>5/18/2018</u>							

When reporting an accidental or unauthorized discharge or spill, it is important to include all information that is requested on the notification form. If you have questions about the form, do not hesitate to call your TCEQ Regional Office and ask to speak to a wastewater investigator. All information should comply with reporting requirements noted in Texas Water Code Section 26.039, 30 Texas Administrative Code (TAC) Section 305.132, and, if applicable, 30 TAC Section 327.32.

This form may be used in lieu of 24-hour notification to the Regional Office when the accidental or unauthorized discharge or spill meets the requirements in 30 TAC 305.132 and 30 TAC 327.32. You must fax or mail a completed, signed copy within 20 days of the following month to the Water Section Manager at your TCEQ Regional Office. The original, signed copy should be mailed to the address located at the bottom of the form.

General Information

Entity name - permitted name or owner name for subscriber systems.

Permit Number - Your TCEQ WQ permit number (i.e., WQ0012345001). If you are a subscriber, use the RN to which the collection system is associated. If the RN is unknown, please call the TCEQ Regional Office for assistance.

Noncompliance Summary

Volume - volume must be estimated by the one of the four methods outlined in 30 TAC

Location - include address or latitude and longitude coordinates

Cause - grease, blockage, infiltration or inflow, equipment failure, power outage, other?

Steps taken reduce, eliminate or prevent recurrence - List all steps taken to ensure no further reoccurrences

Description/content - a description of the events that lead to the spill including the contents of the spill and actions taken to clean

Standard Method - name the method you used to estimate the volume

COPY



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Accidental Discharge or Spill Monthly Summary Form

See back of form for guidance for completion

General Information: May 2018

Permittee: ☒

Subscriber: ☐

Regulated Entity Name: **City of Tyler** 903-531-1285

EPA ID No: Click here to enter text.

Regulated Entity No: Click here to enter text.

TCEQ Region: **Region 5 - Tyler**

Permit No: **TCEQ 10653-02 TX 0047988** Southside Plant

County: **Smith**

Start Date Start Time	End Date End Time	Volume (gallons)	Location	Cause	Steps taken to reduce, eliminate, and prevent recurrence	Description/Content	Standard Method for Volume Calculation Duration & Volume
5/6/2018 7:21 pm	5/6/2018 9:00 pm	99	4250 old omen	debris	Follow-up Cleaning & cctv	Manhole leaking 1 gpm into storm drain 99 gallons of sewer contained in storm drain pumped back into the system. Disinfected and cleaned up around manhole and storm drain. We flushed 6000 gallons of fresh water. This was a grease and debris stop 601 was notified	Duration & Volume 99 min 99 gallons

Information Reported by (Name/Title) Timothy Moore SR. wastewater
superintendent

Signature: Timothy Moore

Cert. Mail # 9033

TCEQ-20756 (06-27-16)

Page 1

Note: A copy of this form should be sent to your TCEQ Regional Office no later than the 20th day of the following month and the original to the TCEQ Compliance Monitoring Team (MC224), Enforcement Division, P.O. Box 13087, Austin, TX 78711-3087

*If the accidental spill or discharge occurs at a Subscriber system (collection system only), use the RN associated to the collection system. If you are uncertain of your RN, you may call the TCEQ Regional Office for assistance.

Start Date Start Time	End Date End Time	Volume (gallons)	Location	Cause	Steps taken to reduce, eliminate, and prevent recurrence	Description/Content	Standard Method for Volume Calculation Duration & Volume
Date Reported <u>6/19/2018</u> FAX to 903- Attn: Lisa Fisher Mailed to Austin: <u>6/19/2018</u> 525-0389							

When reporting an accidental or unauthorized discharge or spill, it is important to include all information that is requested on the notification form. If you have questions about the form, do not hesitate to call your TCEQ Regional Office and ask to speak to a wastewater investigator. All information should comply with reporting requirements noted in Texas Water Code Section 26.039, 30 Texas Administrative Code (TAC) Section 305.132, and, if applicable, 30 TAC Section 327.32.

This form may be used in lieu of 24-hour notification to the Regional Office when the accidental or unauthorized discharge or spill meets the requirements in 30 TAC 305.132 and 30 TAC 327.32. You must fax or mail a completed, signed copy within 20 days of the following month to the Water Section Manager at your TCEQ Regional Office. The original, signed copy should be mailed to the address located at the bottom of the form.

General Information

Entity name - permitted name or owner name for subscriber systems.

Permit Number - Your TCEQ WQ permit number (i.e., WQ0012345001). If you are a subscriber, use the RN to which the collection system is associated. If the RN is unknown, please call the TCEQ Regional Office for assistance.

Noncompliance Summary

Volume - volume must be estimated by the one of the four methods outlined in 30 TAC

Location - include address or latitude and longitude coordinates

Cause - grease, blockage, infiltration or inflow, equipment failure, power outage, other?

Steps taken reduce, eliminate or prevent recurrence - List all steps taken to ensure no further reoccurrences

Description/content -- a description of the events that lead to the spill including the contents of the spill and actions taken to clean

Standard Method - name the method you used to estimate the volume



Accidental Discharge or Spill Monthly Summary Form

See back of form for guidance for completion

COPY

General Information:

June 2018

Permittee: **City of Tyler**

Regulated Entity Name: **City of Tyler 903-531-1285**

Regulated Entity No: Click here to enter text.

Subscriber: ☐

EPA ID No: **TX0047996**

TCEQ Region: **Region 5 - Tyler**

Permit No: **TCEQ 10653-001 Westside Plant**

County: **Smith**

Cert Mail: **9040**

Start Date Start Time	End Date End Time	Volume (gallons)	Location	Cause	Steps taken to reduce, eliminate, and prevent recurrence	Description/Content	Standard Method for Volume Calculation
6-10-2018 9:25 pm	6-10-2018 10:25 PM	30	505 S. Augusta	Grease	Washed down and treated area. Cleaned up sewer and returned to collection system	Arrived at location spoke with customer he showed me where sewer was coming up out of his clean outs went to downstream MH @ Bryan & Augusta ran south hit stop at 5 feet relieved sewer stop at 15 feet checked customer clean out and it was down and flowing. Sewer leaking out approx. 0.5 GPM for a total of 30 gallons of sewer. Contained in customers yard with a bucket and flat shovel was able to retrieve approx. 20 gallons and returned it back into the system. Sanitized area with HTH and washed down area with approx. 50 gallons of fresh water. Cause for stop appears to be grease.	Duration & Volume 1 hour, 30 gallons
6/17/2018 5:12 pm	6/17/2018 5:45 pm	33	HWY 14 & CR 328	Lift station	Washed down and disinfected ground with 750 gallons of fresh water	Arrived at above location assist with lift station it was leaking 1 gallon per min for a total of 33 gallons of sewer contained in yard it was disinfected, washed down and returned to system	Duration & volume 33 min 33 gallons
6/22/18	6/22/18	450	Broadway & 1 st	Grease	Washed down and disinfected area with 200gal fresh water vac out storm box retrieved 5000 gallons fresh water & sewer mix	Call came in at 4:11. Knocked off stop at 6:00 PM. Arrived at above location MH overflowing approx. 5gpm x 98min = 490 gal of sewer entered storm drain and contained in storm drain box. Ran about 710' ft to next MH to knock off stop. Wash down street and disinfected with HTH and 2000 gal fresh water. Vac out storm drain box and retrieved sewer	Duration & volume 98 mins 450 gals

TCEQ-20756 (06-27-16)

Note: A copy of this form should be sent to your TCEQ Regional Office no later than the 20th day of the following month and the original to the TCEQ Compliance Monitoring Team (MC224), Enforcement Division, P.O. Box 13087, Austin, TX 78711-3087

*If the accidental spill or discharge occurs at a Subscriber system (collection system only), use the RN associated to the collection system. If you are uncertain of your RN, you may call the TCEQ Regional Office for assistance.

Start Date Start Time	End Date End Time	Volume (gallons)	Location	Cause	Steps taken to reduce, eliminate, and prevent recurrence	Description/Content	Standard Method for Volume Calculation
						& fresh water approx. 5000gal and decanted back into sewer system, 607 on site and 601 notified	
							Duration & volume

Information Reported by (Name/Title) Michael Norris / Manager, Wastewater Water Utilities Systems		Signature: <i>Michael Norris</i>
Date Reported 7/19/2018	FAX to 903-525-0389	Attn: Lisa Fisher
		Mailed to Austin: 7/19/2018

When reporting an accidental or unauthorized discharge or spill, it is important to include all information that is requested on the notification form. If you have questions about the form, do not hesitate to call your TCEQ Regional Office and ask to speak to a wastewater investigator. All information should comply with reporting requirements noted in Texas Water Code Section 26.039, 30 Texas Administrative Code (TAC) Section 305.132, and, if applicable, 30 TAC Section 327.32.

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General Information

Entity name - permitted name or owner name for subscriber systems.

Permit Number - Your TCEQ WQ permit number (i.e., WQ0012345001). If you are a subscriber, use the RN to which the collection system is associated. If the RN is unknown, please call the TCEQ Regional Office for assistance.

Noncompliance Summary

Volume - volume must be estimated by the one of the four methods outlined in 30 TAC

Location - include address or latitude and longitude coordinates

Cause - grease, blockage, infiltration or inflow, equipment failure, power outage, other?

Steps taken reduce, eliminate or prevent recurrence - List all steps taken to ensure no further reoccurrences

Description/content - a description of the events that lead to the spill including the contents of the spill and actions taken to clean

Standard Method - name the method you used to estimate the volume



Accidental Discharge or Spill Monthly Summary Form

*See back of form for guidance for completion *

General Information: July 2018

Permittee: ☒

Subscriber: ☐

Regulated Entity Name: **City of Tyler** 903-531-1285

EPA ID No: **TX0047988**

Regulated Entity No: Click here to enter text.

TCEQ Region: **Region 5 - Tyler**

Permit No: **TCEQ 10653-02** Southside Plant

County: **Smith**

Start Date Start Time	End Date End Time	Volume (gallons)	Location	Cause	Steps taken to reduce, eliminate, and prevent recurrence	Description/Content	Standard Method for Volume Calculation
7/01/2018 11:12 am	7/01/2018 1:20 pm	20	6920 S Broadway	Root and Debris	Follow-up Cleaning and CCTV	We arrived at above location MH at 7008 S Broadway was standing then notice about 20 gallon of sewer in the grass at the location. We ran MH at Target parking lot end of Pot Belly store east 230FT and relieved stop called 601 we also flush water from VAC truck 500 gallons and VAC up 520 gallons of sewer and water with HTH and returned it back into the system	Duration & Volume 1 gallons 20 min
7/23/2018 8:00AM	7/23/2018 10:14AM	274	5108 Chad	Roots and Debris	Follow-up cleaning and CCTV	Called in @ 8am arrived @ 8:33am. Knocked off stop 10:17 am at MH behind 5108 Chad was overflowing approx. 2gpm x 137mins = 274 gals of sewer contained in dry creek bed. Ran from DS MH north 225 ft. to knock off stop. Disinfected with HTH and flushed with 6360 gals of fresh water and way'd up 500 gals of fresh water & sewer, decanned back into sewer system. 610,607 was on site.	Duration & Volume 137mins 274 gals
7/30/2018 12:50	7/30/2018 1:53 pm	63	627 turtle creek	Roots and debris	Follow-up Cleaning and CCTV	Ran MH at 627 turtle creek north 250 FT to relieve stop 1 gallon a MIN x 63 MINS = 63 gallons of sewer contained in dry creek bed wash-down in the street and disinfected the creek with HTH and at 1600 gallons of fresh water and VAC out up 2500 gallons of sewer and water and returned it back into the system	1 gallon 63MINS

Page 1

TCEQ-20756 (06-27-16)

Note: A copy of this form should be sent to your TCEQ Regional Office no later than the 20th day of the following month and the original to the TCEQ Compliance Monitoring Team (MC224), Enforcement Division, P.O. Box 13087, Austin, TX 78711-3087

*If the accidental spill or discharge occurs at a Subscriber system (collection system only), use the RN associated to the collection system. If you are uncertain of your RN, you may call the TCEQ Regional Office for assistance.

Start Date Start Time	End Date End Time	Volume (gallons)	Location	Cause	Steps taken to reduce, eliminate, and prevent recurrence	Description/Content	Standard Method for Volume Calculation
Information Reported by (Name/Title): Timothy Moore wastewater superintendent Signature: <u><i>Michael Norris</i></u> Mailed to Austin: 8/20/2018 <u>Michael Norris / Manager Wastewater Utilities Systems</u> Attn: Lisa Fisher Date Reported: <u>8/20/18</u> FAX to 903-525-0389							

When reporting an accidental or unauthorized discharge or spill, it is important to include all information that is requested on the notification form. If you have questions about the form, do not hesitate to call your TCEQ Regional Office and ask to speak to a wastewater investigator. All information should comply with reporting requirements noted in Texas Water Code Section 26.039, 30 Texas Administrative Code (TAC) Section 305.132, and, if applicable, 30 TAC Section 327.32.

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General Information

Entity name - permitted name or owner name for subscriber systems.

Permit Number - Your TCEQ WQ permit number (i.e., WQ0012345001). If you are a subscriber, use the RN to which the collection system is associated. If the RN is unknown, please call the TCEQ Regional Office for assistance.

Noncompliance Summary

Volume - volume must be estimated by the one of the four methods outlined in 30 TAC

Location - include address or latitude and longitude coordinates

Cause - grease, blockage, infiltration or inflow, equipment failure, power outage, other?

Steps taken reduce, eliminate or prevent recurrence - List all steps taken to ensure no further reoccurrences

Description/content - a description of the events that lead to the spill including the contents of the spill and actions taken to clean

Standard Method - name the method you used to estimate the volume



Accidental Discharge or Spill Monthly Summary Form

See back of form for guidance for completion

General Information:

July 2018

Permittee: ☒

Regulated Entity Name: **City of Tyler** 903-531-1285

Regulated Entity No: [Click here to enter text.](#)

Permit No: **TCEQ 10653-01 Westside Plant**

Subscriber: ☐

EPA ID No: **TX0047996**

TCEQ Region: **Region 5 - Tyler**

County: **Smith**

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Cert # 9330

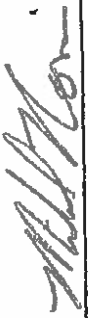
Start Date Start Time	End Date End Time	Volume (gallons)	Location	Cause	Steps taken to reduce, eliminate, and prevent recurrence	Description/Content	Standard Method for Volume Calculation
4:53 PM 7/5/2018	8:15 PM 7/5/2018	40	514 Forest	Sludge	Follow-up Cleaning and CCTV	Arrived at location spoke with customer he stated that sewer was coming out of his service approx. 45 gallons of sewer contained in yard. Checked MH it was standing went to MH @ 503 Northcrest ran east 312 feet relieved stop. Went to MH @ 514 Forest vacuumed out sludge and mud from MH. It appears that the bottom is gone and MH holds water about 2 feet below invert. Customer clean outs are down and flowing returned approx. 40 gallons of sewer back into the system sanitized area and washed down yard.	Duration & Volume
6:10 PM 7/18/18	1:55 AM 7/19/2018	2325	520 E Douglas	Broken Main	Follow-up Cleaning and CCTV, repaired main	Ran 12in sewer main south 110ft. Got stuck in broken sewer main. 601, 604 and emergency locates were called for repairs. Sewer main was broken & leaking 5gpm for 465mins giving an estimated total of 2325 gals of sewer flowing into creek. 604 pumped fresh water and sewer out of creek unknown amount pumped.	Duration & volume 465mins 2325 gals
							Duration & volume
							Duration & volume

Page 1

TCEQ-20756 (06-27-16)

Note: A copy of this form should be sent to your TCEQ Regional Office no later than the 20th day of the following month and the original to the TCEQ Compliance Monitoring Team (MC224), Enforcement Division, P.O. Box 13087, Austin, TX 78711-3087

*If the accidental spill or discharge occurs at a Subscriber system (collection system only), use the RN associated to the collection system. If you are uncertain of your RN, you may call the TCEQ Regional Office for assistance.

Start Date Start Time	End Date End Time	Volume (gallons)	Location	Cause	Steps taken to reduce, eliminate, and prevent recurrence	Description/Content	Standard Method for Volume Calculation
Information Reported by (Name/Title): Michael Norris / Manager Wastewater Utilities Systems Date Reported <u>8/20/2018</u> FAX to 903-525-0389 Attn: Lisa Fisher Mailed to Austin: 8/20/2018 Signature: 							

When reporting an accidental or unauthorized discharge or spill, it is important to include all information that is requested on the notification form. If you have questions about the form, do not hesitate to call your TCEQ Regional Office and ask to speak to a wastewater investigator. All information should comply with reporting requirements noted in Texas Water Code Section 26.039, 30 Texas Administrative Code (TAC) Section 305.132, and, if applicable, 30 TAC Section 327.32.

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General Information

Entity name - permitted name or owner name for subscriber systems.

Permit Number - Your TCEQ WQ permit number (i.e., WQ0012345001). If you are a subscriber, use the RN to which the collection system is associated. If the RN is unknown, please call the TCEQ Regional Office for assistance.

Noncompliance Summary

Volume - volume must be estimated by the one of the four methods outlined in 30 TAC

Location - include address or latitude and longitude coordinates

Cause - grease, blockage, infiltration or inflow, equipment failure, power outage, other?

Steps taken reduce, eliminate or prevent recurrence - List all steps taken to ensure no further reoccurrences

Description/content - a description of the events that lead to the spill including the contents of the spill and actions taken to clean

Standard Method - name the method you used to estimate the volume



Accidental Discharge or Spill Monthly Summary Form

See back of form for guidance for completion

General Information:

August 2018

Permittee: ☒

Regulated Entity Name: **City of Tyler** 903-531-1285

Regulated Entity No: Click here to enter text.

Permit No: **TCEQ 10653-001 Westside Plant**

Subscriber: ☐

EPA ID No: TX0049996

TCEQ Region: **Region 5 - Tyler**

County: **Smith**

Start Date Start Time	End Date End Time	Volume (gallons)	Location	Cause	Steps taken to reduce, eliminate, and prevent recurrence	Description/Content	Standard Method for Volume Calculation
9:09 AM 8/8/2018	9:47 AM 8/8/2018	2	1501 W. 29 th St.	Grease & Debris	Follow-up cleaning and CCTV	Ran mh @ intersection of plaza & W. 29 th St. ran south 200ft to relieved stop. This was a grease and Debris stop. Sewer main needs to be PM cabled, PM washed and CCTV's. 2 gals of sewer was contained @ curb. 100 gals of fresh water was used to wash down sewer with HTH, 102 gals of fresh water/sewer mix returned to sewer system. 607 was on site.	Duration & Volume 38mins 2 gallons
							Duration & volume

Information Reported by (Name/Title)

Michael Norris/Manager Wastewater Utilities Systems

Signature: Michael Norris 9/19/18 Mailed to Austin: 9/19/2018

Attn: Lisa Fisher

FAX to 903-525-0389

Date Reported 9/19/2018

When reporting an accidental or unauthorized discharge or spill, it is important to include all information that is requested on the notification form. If you have questions about the form, do not hesitate to call your TCEQ Regional Office and ask to speak to a wastewater investigator. All

TCEQ-20756 (06-27-16)

Note: A copy of this form should be sent to your TCEQ Regional Office no later than the 20th day of the following month and the original to the TCEQ Compliance Monitoring Team (MC224), Enforcement Division, P.O. Box 13087, Austin, TX 78711-3087.

*If the accidental spill or discharge occurs at a Subscriber system (collection system only), use the RN associated to the collection system. If you are uncertain of your RN, you may call the TCEQ Regional Office for assistance.

information should comply with reporting requirements noted in Texas Water Code Section 26.039, 30 Texas Administrative Code (TAC) Section 305.132, and, if applicable, 30 TAC Section 327.32.

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General Information

Entity name - permitted name or owner name for subscriber systems.

Permit Number - Your TCEQ WQ permit number (i.e., WQ0012345001). If you are a subscriber, use the RN to which the collection system is associated. If the RN is unknown, please call the TCEQ Regional Office for assistance.

Noncompliance Summary

Volume - volume must be estimated by the one of the four methods outlined in 30 TAC

Location - include address or latitude and longitude coordinates

Cause - grease, blockage, infiltration or inflow, equipment failure, power outage, other?

Steps taken reduce, eliminate or prevent recurrence - List all steps taken to ensure no further reoccurrences

Description/content - a description of the events that lead to the spill including the contents of the spill and actions taken to clean

Standard Method - name the method you used to estimate the volume



Accidental Discharge or Spill Monthly Summary Form

See back of form for guidance for completion

General Information: August 2018

Permittee: ☒

Subscriber: ☐

Regulated Entity Name: **City of Tyler** 903-531-1285

EPA ID No: TX0047988

Regulated Entity No: Click here to enter text.

TCEQ Region: **Region 5 - Tyler**

Permit No: **TCEQ 10653-002 Southside Plant**

County: **Smith**

Start Date Start Time	End Date End Time	Volume (gallons)	Location	Cause	Steps taken to reduce, eliminate, and prevent recurrence	Description/Content	Standard Method for Volume Calculation
8/5/2018 9:50AM	8/5/2018 10:42 AM	156	Sherry LN & Rudman Rd	Grease	Flushed, sanitized area, schedule follow- up cleaning and cctv	Call came in at 9:50 AM we received the call at 9:55AM. Arrived on site at 10:34AM knocked off stop at 10:42AM. Mh at Sherry and Rudman was overflowing 3gpm for 52 min for a total of 156 gallons contained in storm drain went to down stream mh at Rudman and Bullard ran west 180 feet to knock off stop pulled back. MH is down and flowing cause of stop appears to be excessive grease. Flush with 4800 gallons of fresh water and sanitized with HTH. It was not a creek it was contained in the storm drain.	Duration & Volume 1hr 2 mins 156gals
Information Reported by (Name/Title) Michael Norris/Manager Wastewater Utilities Systems Signature: <u>Michael Norris 9/19/18</u> Attn: Lisa Fisher Mailed to Austin: 9/19/2018 Date Reported 9/19/2018 FAX to 903-525-0389							

TCEQ-20756 (06-27-16)

Page 1

Note: A copy of this form should be sent to your TCEQ Regional Office no later than the 20th day of the following month and the original to the TCEQ Compliance Monitoring Team (MC224), Enforcement Division, P.O. Box 13087, Austin, TX 78711-3087

*If the accidental spill or discharge occurs at a Subscriber system (collection system only), use the RN associated to the collection system. If you are uncertain of your RN, you may call the TCEQ Regional Office for assistance.

When reporting an accidental or unauthorized discharge or spill, it is important to include all information that is requested on the notification form. If you have questions about the form, do not hesitate to call your TCEQ Regional Office and ask to speak to a wastewater investigator. All information should comply with reporting requirements noted in Texas Water Code Section 26.039, 30 Texas Administrative Code (TAC) Section 305.132, and, if applicable, 30 TAC Section 327.32.

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General Information

Entity name - permitted name or owner name for subscriber systems.

Permit Number – Your TCEQ WQ permit number (i.e., WQ0012345001). If you are a subscriber, use the RN to which the collection system is associated. If the RN is unknown, please call the TCEQ Regional Office for assistance.

Noncompliance Summary

Volume – volume must be estimated by the one of the four methods outlined in 30 TAC

Location – include address or latitude and longitude coordinates

Cause - grease, blockage, infiltration or inflow, equipment failure, power outage, other?

Steps taken reduce, eliminate or prevent recurrence – List all steps taken to ensure no further reoccurrences

Description/content – a description of the events that lead to the spill including the contents of the spill and actions taken to clean

Standard Method – name the method you used to estimate the volume



Accidental Discharge or Spill Monthly Summary Form



See back of form for guidance for completion

General Information: September 2018

Permittee: ☒

Subscriber: ☐

Regulated Entity Name: **City of Tyler** 903-531-1285

EPA ID No: TX00047988

Regulated Entity No: Click here to enter text.

TCEQ Region: **Region 5 - Tyler**

Permit No: **TCEQ 10653-02** Southside Plant

County: **Smith**

Start Date Start Time	End Date End Time	Volume (gallons)	Location	Cause	Steps taken to reduce, eliminate, and prevent recurrence	Description/Content	Standard Method for Volume Calculation
9/7/18 9:20 am	9/7/18 11:30 am	240	324 Brookwood Dr.	Grease/debris	Follow-up cleaning and CCTV	Arrived at location customer showed me the manhole that was overflowing in his backyard, ran manhole behind 327 donnybrook north 250 feet knock off stop manhole was leaking APPROX. 2 GPM call came in at 9:30 am relieved stop 11:30 240 gallons of sewer contained in the street cleaned up disinfected and returned to system	Duration & Volume 60 MIN 240 GAL
9/18/2018	9/18/2018	20	858 Southeast Loop 323	Grease/Debris	Follow-up cleaning and CCTV	Arrived at 858 SE Loop customer pointed out MH on west side of convenience store overflowing so went to MH close to loop 323 and ran 103 feet east knocked off stop. MH is down and flowing properly. Call came in at 8:13AM and relieved stop at 8:33AM for total of 1gpm adding up to 20 gallons contained in yard vac'd and sanitized.	Duration & Volume 20Min 20Gal

TCEQ-20756 (06-27-16)

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Page 1

Cert. Mail: 9415

Start Date Start Time	End Date End Time	Volume (gallons)	Location	Cause	Steps taken to reduce, eliminate, and prevent recurrence	Description/Content	Standard Method for Volume Calculation
Information Reported by (Name/Title) Michael Norris/Manager Wastewater Utilities Systems Signature: <u>M. Norris</u> 10/4/18 Date Reported 10/5/2018 FAX to 903-525-0389 Attn: Lisa Fisher Mailed to Austin: 10/5/2018							

When reporting an accidental or unauthorized discharge or spill, it is important to include all information that is requested on the notification form. If you have questions about the form, do not hesitate to call your TCEQ Regional Office and ask to speak to a wastewater investigator. All information should comply with reporting requirements noted in Texas Water Code Section 26.039, 30 Texas Administrative Code (TAC) Section 305.132, and, if applicable, 30 TAC Section 327.32.

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General Information

Entity name - permitted name or owner name for subscriber systems.

Permit Number - Your TCEQ WQ permit number (i.e., WQ0012345001). If you are a subscriber, use the RN to which the collection system is associated. If the RN is unknown, please call the TCEQ Regional Office for assistance.

Noncompliance Summary

Volume - volume must be estimated by the one of the four methods outlined in 30 TAC

Location - include address or latitude and longitude coordinates

Cause - grease, blockage, infiltration or inflow, equipment failure, power outage, other?

Steps taken reduce, eliminate or prevent recurrence - List all steps taken to ensure no further reoccurrences

Description/content - a description of the events that lead to the spill including the contents of the spill and actions taken to clean

Standard Method - name the method you used to estimate the volume

TCEQ-20756 (06-27-16)



Accidental Discharge or Spill Monthly Summary Form

See back of form for guidance for completion

COPY

General Information: September 2018

Permittee: ☒

Subscriber: ☐

Regulated Entity Name: **City of Tyler** 903-531-1285

EPA ID No: TX00049996

Regulated Entity No: Click here to enter text.

TCEQ Region: **Region 5 - Tyler**

Permit No: **TCEQ 10653-01** Westside Plant

County: **Smith**

Start Date Start Time	End Date End Time	Volume (gallons)	Location	Cause	Steps taken to reduce, eliminate, and prevent recurrence	Description/Content	Standard Method for Volume Calculation
9/28/18 11:22 am	9/28/18 1:22 am	60	525 s Beckham Ave.	grease	Pm cable, pm wash, CCTV	Arrived at above location clean out was leaking an 1/2 GPM the downstream manhole was pave over so I called 622 to cable up stream manhole. He did and relieved stop .there maintenance crew was assisting with clean up when we arrived	Duration & Volume visual
9/29/18 1:15 pm	9/29/18 2:15 pm	120	511 s Lyons	Roots	Pm cable, pm wash, CCTV	Manhole leaking 2GPM call came in at 1:15 pm relieved stop at 2:15 pm 120 gallons of sewer contained in storm drain. VAC out sewer and returned to sewer system. Notified 607 this was a root & debris stop disinfected with lime due to a lot on traffic & the fair. needs TV ed cable ,wash, CCTV	Duration & volume visual
							Duration & volume
							Duration & volume

Information Reported by (Name/Title)

Michael Norris/Manager Wastewater Utilities Systems

Signature: *Michael Norris*

10/4/2018

Date Reported: 10/5/2018

FAX to 903-525-0389

Attn: Lisa Fisher

Mailed to Austin:
10/5/2018

TCEQ-20756 (06-27-16)

Page 1

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General Information

Entity name - permitted name or owner name for subscriber systems.

Permit Number - Your TCEQ WQ permit number (i.e., WQ0012345001). If you are a subscriber, use the RN to which the collection system is associated. If the RN is unknown, please call the TCEQ Regional Office for assistance.

Noncompliance Summary

Volume - volume must be estimated by the one of the four methods outlined in 30 TAC

Location - include address or latitude and longitude coordinates

Cause - grease, blockage, infiltration or inflow, equipment failure, power outage, other?

Steps taken reduce, eliminate or prevent recurrence - List all steps taken to ensure no further reoccurrences

Description/content - a description of the events that lead to the spill including the contents of the spill and actions taken to clean

Standard Method - name the method you used to estimate the volume



Cert: 8340

Accidental Discharge or Spill Monthly Summary Form

See back of form for guidance for completion

COPY

General Information: October 2018

Permittee: ☒

Subscriber: ☐

Regulated Entity Name: **City of Tyler** 903-531-1285

EPA ID No: TX00047988

Regulated Entity No: Click here to enter text.

TCEQ Region: **Region 5 - Tyler**

Permit No: **TCEQ 10653-02 TX 0047988** Southside Plant

County: **Smith**

Start Date Start Time	End Date End Time	Volume (gallons)	Location	Cause	Steps taken to reduce, eliminate, and prevent recurrence	Description/Content	Standard Method for Volume Calculation
10/8/2018 8:00 AM	10/8/2018 8:10 AM	300	13692 SYDNEY RD - E. Grande L.S.	Power Outage	Daily Inspections, perform preventative maintenance.	There was a voltage surge that tripped the electrical controllers on the pumps. The wet well overflowed.	Duration & Volume 1.5 hours and 300 gals
10/8/2018 10:20 AM	10/8/2018 11:30 AM	600	3970 CR 219 - Haverhill L.S.	Power Outage	Include power outage transformer?	Power outage and transformer blew. Pump trucks for bypass arrived at 11am.	Duration & Volume 1 hour and 600 gal

Information Reported by (Name/Title):

Michael Norris / Manager, Wastewater Utilities Systems

Signature: Michael Norris 11/14/2018

Date Reported: 11/20/2018

FAX to 903-525-0389

Attn: Lisa Fisher

Mailed to Austin: 11/20/2018

TCEQ-20756 (06-27-16)

Page 1

Note: A copy of this form should be sent to your TCEQ Regional Office no later than the 20th day of the following month and the original to the TCEQ Compliance Monitoring Team (MC224), Enforcement Division, P.O. Box 13087, Austin, TX 78711-3087

*If the accidental spill or discharge occurs at a Subscriber system (collection system only), use the RN associated to the collection system. If you are uncertain of your RN, you may call the TCEQ Regional Office for assistance.

When reporting an accidental or unauthorized discharge or spill, it is important to include all information that is requested on the notification form. If you have questions about the form, do not hesitate to call your TCEQ Regional Office and ask to speak to a wastewater investigator. All information should comply with reporting requirements noted in Texas Water Code Section 26.039, 30 Texas Administrative Code (TAC) Section 305.132, and, if applicable, 30 TAC Section 327.32.

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General Information

Entity name - permitted name or owner name for subscriber systems.

Permit Number - Your TCEQ WQ permit number (i.e., WQ0012345001). If you are a subscriber, use the RN to which the collection system is associated. If the RN is unknown, please call the TCEQ Regional Office for assistance.

Noncompliance Summary

Volume - volume must be estimated by the one of the four methods outlined in 30 TAC

Location - include address or latitude and longitude coordinates

Cause - grease, blockage, infiltration or inflow, equipment failure, power outage, other?

Steps taken reduce, eliminate or prevent recurrence - List all steps taken to ensure no further reoccurrences

Description/content - a description of the events that lead to the spill including the contents of the spill and actions taken to clean
Standard Method - name the method you used to estimate the volume



Accidental Discharge or Spill Monthly Summary Form

See back of form for guidance for completion

COPY

General Information: October 2018

Permittee: ☒

Subscriber: ☐

Regulated Entity Name: **City of Tyler** 903-531-1285

EPA ID No: Click here to enter text.

Regulated Entity No: Click here to enter text.

TCEQ Region: **Region 5 - Tyler**

Permit No: **TCEQ 10653-02 TX 0047988** Southside Plant

County: **Smith**

Start Date Start Time	End Date End Time	Volume (gallons)	Location	Cause	Steps taken to reduce, eliminate, and prevent recurrence	Description/Content	Standard Method for Volume Calculation
10/06/18 3:18 pm	3:38 pm	5 gallons	3916 Jan	debris	Pm cable, wash, CCTV	Arrived at above location manhole was barely leaking a gallon a minute because debris was clogging holes in lid so we vac out debris. Manhole began to stand but wasn't overflowing we arrived at manhole at Jan & loop it was standing then we arrived manhole at easy & loop that manhole was standing then manhole at Birdwell dr & loop the ring and lid was struck so with heavy traffic an issue we ran the standing manhole at easy & loop 10 ft and all manhole was down and flowing. There was about 5 gallon of sewer in low place on sidewalk we treated around manhole and vac up 50 gallons of sewer and chlorine water mixed together and returned back into sewer system.	Duration & Volume visual
10/12/18 5:15 pm	10/12/18 5:30 pm	30	6525 S. Broadway	debris	Pm cable, wash, CCTV	Came to address of manhole overflowing on address 6525 S Broadway went to manhole in front 6421 S Broadway it was also cleaned with hth and	Duration & Volume visual

TCEQ-20756 (06-27-16)

Page 1

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*If the accidental spill or discharge occurs at a Subscriber system (collection system only), use the RN associated to the collection system. If you are uncertain of your RN, you may call the TCEQ Regional Office for assistance.

Start Date Start Time	End Date End Time	Volume (gallons)	Location	Cause	Steps taken to reduce, eliminate, and prevent recurrence	Description/Content	Standard Method for Volume Calculation
10/27/18 2:10 pm	10/27/18 3:15 pm	32.5	1909 easy	grease	Pm cable ,wash ,CCTV	Golden rd. Called in sso at 2:10pm. 624 arrived on site at 2:45 pm. Mh 0006249 was leaking .5 gallons per minute? We set up at mh0006111 and ran north 700' knocking off stop at 3:15pm. We disinfected with hth, and washed premesis with 2250 gallons of fresh water while retrieving it from storm drain with vac truck	visual
Information Reported by (Name/Title) Michael Norris/Manager Wastewater Utility Systems Signature: <i>Michael Norris</i> 11/19/18 Date Reported 11/20/18 FAX to 903- Attn: Lisa Fisher Mailed to Austin: 11/20/18 525-0389							

When reporting an accidental or unauthorized discharge or spill, it is important to include all information that is requested on the notification form. If you have questions about the form, do not hesitate to call your TCEQ Regional Office and ask to speak to a wastewater investigator. All information should comply with reporting requirements noted in Texas Water Code Section 26.039, 30 Texas Administrative Code (TAC) Section 305.132, and, if applicable, 30 TAC Section 327.32.



Accidental Discharge or Spill Monthly Summary Form

See back of form for guidance for completion

General Information:

October 2018

Permittee: ☒

Subscriber: ☐

Regulated Entity Name: **City of Tyler** 903-531-1285

EPA ID No: Click here to enter text.

Regulated Entity No: Click here to enter text.

TCEQ Region: **Region 5 - Tyler**

Permit No: **TCEQ 10653-001** TX 0049996 Westside Plant

County: **Smith**

Start Date Start Time	End Date End Time	Volume (gallons)	Location	Cause	Steps taken to reduce, eliminate, and prevent recurrence	Description/Content	Standard Method for Volume Calculation
10/15/18 10:40 am	10/15/18 11:00 am	45	2739 WNW Loop 323	debris	Pm cable, wash, CCTV	c/o leaking 1gpm call came in at 10:15 am relieved stop at 11:00 am 45 gallons of sewer contained in yard. Ran manhole behind 3300 Mineola Hwy southwest 275 ft to relieve stop. This was a debris stop cleaned up and disinfected with HTH and fresh water. 607 was notified three rooms had to be cleaned up due to overflow	Duration & Volume visual
10/17/18 3:15 pm	10/17/18 3:40 pm	171	721 N Bois D' Arc	grease	Pm cable, wash, CCTV	Call came in at 2:43 pm, we arrived at 3:15 pm, knocked of the stop at 3:40 pm. Customer cleanouts were overflowing approx. 3 gpm x 57 min. = 171 g of sewer that was unretrievable due to heavy rain. Ran mh to 004520 north 360' to knock off stop. This was a grease stop. Disinfect with HTH as heavy rain made it unretrievable. 601 & 607 were notified.	Duration & volume visual
10/21/18 12:18 pm	10/21/18 12:30 pm	35	900 s Baxter	Grease & debris	Pm cable, wash, CCTV	My leaking 1 gpm call came in @ 11:55 am relieved stop @ 12:30 pm. Approximately 35 gallons of sewer entered storm drain. Flushed 15,000 gallons of fresh water from fire hydrant disinfected with HTH and washed street down with fresh water. This was a grease and debris stop. Notified 607 Customer on site and notified.	Duration & volume visual

TCEQ-20756 (06-27-16)

Page 1

Note: A copy of this form should be sent to your TCEQ Regional Office no later than the 20th day of the following month and the original to the TCEQ Compliance Monitoring Team (MC224), Enforcement Division, P.O. Box 13087, Austin, TX 78711-3087

*If the accidental spill or discharge occurs at a Subscriber system (collection system only), use the RN associated to the collection system. If you are uncertain of your RN, you may call the TCEQ Regional Office for assistance.

Start Date Start Time	End Date End Time	Volume (gallons)	Location	Cause	Steps taken to reduce, eliminate, and prevent recurrence	Description/Content	Standard Method for Volume Calculation
10/25/18 10:00 am	10/25/18 12:45 pm	495	13321 JM 206	Root & debris	Pm cable, wash, CCTV	Manhole leaking 3 gpm into yard call came in @ 10:00 am relieved stop at 12:45 PM. Approximately 495 gallons of sewer contained in yard. Disinfected with HTH and washed down with 750 gallons of fresh water. Ran second mh in woods north 300 ft to relieve stop. This was a debris and root stop. Notified 607	Duration & volume visual

Information Reported by (Name/Title):

Michael Norris / Manager, Wastewater Utilities Systems

Signature: *Michael Norris*

11/19/2018

Date Reported: 11/20/2018

FAX to 903-525-0389

Attn: Lisa Fisher

Mailed to Austin:

When reporting an accidental or unauthorized discharge or spill, it is important to include all information that is requested on the notification form. If you have questions about the form, do not hesitate to call your TCEQ Regional Office and ask to speak to a wastewater investigator. All information should comply with reporting requirements noted in Texas Water Code Section 26.039, 30 Texas Administrative Code (TAC) Section 305.132, and, if applicable, 30 TAC Section 327.32.

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General Information

Entity name - permitted name or owner name for subscriber systems.

Permit Number - Your TCEQ WQ permit number (i.e., WQ0012345001). If you are a subscriber, use the RN to which the collection system is associated. If the RN is unknown, please call the TCEQ Regional Office for assistance.

Noncompliance Summary

Volume - volume must be estimated by the one of the four methods outlined in 30 TAC

Location - include address or latitude and longitude coordinates

Cause - grease, blockage, infiltration or inflow, equipment failure, power outage, other?

TCEQ-20756 (06-27-16)

Steps taken reduce, eliminate or prevent recurrence – List all steps taken to ensure no further reoccurrences

Description/content – a description of the events that lead to the spill including the contents of the spill and actions taken to clean

Standard Method – name the method you used to estimate the volume



COPY

Accidental Discharge or Spill Monthly Summary Form

See back of form for guidance for completion

General Information: November 2018

Permittee: ☒

Subscriber: ☐

Regulated Entity Name: **City of Tyler** 903-531-1285

EPA ID No: Click here to enter text.

Regulated Entity No: Click here to enter text.

TCEQ Region: **Region 5 - Tyler**

Permit No: **TCEQ 10653-001 TX 0049996** Westside

County: **Smith**

Plant

Start Date Start Time	End Date End Time	Volume (gallons)	Location	Cause	Steps taken to reduce, eliminate, and prevent recurrence	Description/Content	Standard Method for Volume Calculation
11/12/18 11:15 am	11/12/18 3:15 pm	1200	515 E Erwin	grease	PM cable, wash, CCTV	Call came in at 11:15 am, arrived at 11:45 am, knocked off stop at 3:15 pm. MH.T0004895 was overflowing approx. 5gpm x 240 minutes= 1200 gal of sewer contained in street. Ran MH T 0004895 east 30' knocked off stop. This was a grease stop. Disinfect with HTH and 500 gal fresh water. Sewer was not retrievable due to rain. 607 was notified	Duration & Volume visual
11/19/18 1:30 pm	11/19/18 2:15 pm	45	4652 Van Hwy	Grease & roots	Pm cable, wash, CCTV	Call came in @ 1:30 pm relieved stop @ 2:15 pm .MH overflowing 1 gpm in yard ran MH off of Van Hwy T0001008 SW 500 ft thru my to next MH. Knocked off stop at 475 ft. Approximately 45 gallons of sewer contained in yard. Due to no	Duration & volume visual

TCEQ-20756 (06-27-16)

Page 1

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*If the accidental spill or discharge occurs at a Subscriber system (collection system only), use the RN associated to the collection system. If you are uncertain of your RN, you may call the TCEQ Regional Office for assistance.

*Cert #4500
Nov*

Start Date Start Time	End Date End Time	Volume (gallons)	Location	Cause	Steps taken to reduce, eliminate, and prevent recurrence	Description/Content	Standard Method for Volume Calculation
						access we disinfected with HTH. Notified customer.	
							Duration & volume

Information Reported by (Name/Title): Michael Norris / Manager Wastewater Utility Systems		Signature: <u><i>Michael Norris</i></u>	Mailed to Austin: <u>12/12/18</u>
Date Reported <u>12/12/2018</u>	FAX to 903-525-0389	Attn: Lisa Fisher	

When reporting an accidental or unauthorized discharge or spill, it is important to include all information that is requested on the notification form. If you have questions about the form, do not hesitate to call your TCEQ Regional Office and ask to speak to a wastewater investigator. All information should comply with reporting requirements noted in Texas Water Code Section 26.039, 30 Texas Administrative Code (TAC) Section 305.132, and, if applicable, 30 TAC Section 327.32.

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General Information

Entity name - permitted name or owner name for subscriber systems.

Permit Number - Your TCEQ WQ permit number (i.e., WQ0012345001). If you are a subscriber, use the RN to which the collection system is associated. If the RN is unknown, please call the TCEQ Regional Office for assistance.

Noncompliance Summary

Volume - volume must be estimated by the one of the four methods outlined in 30 TAC

Location - include address or latitude and longitude coordinates

Cause - grease, blockage, infiltration or inflow, equipment failure, power outage, other?

Steps taken reduce, eliminate or prevent recurrence - List all steps taken to ensure no further reoccurrences

Description/content - a description of the events that lead to the spill including the contents of the spill and actions taken to clean

Standard Method - name the method you used to estimate the volume

Start Date Start Time	End Date End Time	Volume (gallons)	Location	Cause	Steps taken to reduce, eliminate, and prevent recurrence	Description/Content	Standard Method for Volume Calculation
11/26/18 2:220 pm	11/26/18 4:00 pm	248	3916 Jan	Grease & root	Pm cable, wash, CCTV	Call came in at 1:56 pm, arrived at 2:10 pm, knocked off stop at 4:00 pm, MH at this address was overflowing approximately 2 gpm x 124 minutes = 248 gal of sewer contained in storm drain. Ran MH t0006128 west 350' to knock off stop. This is a grease and debris stop. Disinfect with HTH and 2400 gal of fresh water. 2648 gallons were vacuumed from storm drain. 607 was notified.	Duration & Volume visual
11/29/18 3:15 pm	11/29/18 4:05 pm	25	1609 W Front	Debris	Pm cable, wash, CCTV	Call came in at 3:15 pm, arrived at 3:50pm, knocked off stop at 4:05pm. MH 0002620 was overflowing approximately 0.5 gpm x 50 minutes = 25 gallons of sewer contained in a storm drain. Ran MH t0001837 SW 396' to knock off stop. Disinfect with HTH and 3000 gallons of fresh water. Sewer was non retrievable. 607 was notified	visual

Information Reported by (Name/Title) Michael Norris / Manager Wastewater Utility Systems

Signature: *Lisa Fisher*

Attn: Lisa Fisher

FAX to 903-
525-0389

Mailed to Austin:

12/12/2018

12/12/18

When reporting an accidental or unauthorized discharge or spill, it is important to include all information that is requested on the notification form. If you have questions about the form, do not hesitate to call your TCEQ Regional Office and ask to speak to a wastewater investigator. All information should comply with reporting requirements noted in Texas Water Code Section 26.039, 30 Texas Administrative Code (TAC) Section 305.132, and, if applicable, 30 TAC Section 327.32.

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General Information

Entity name - permitted name or owner name for subscriber systems.

Permit Number - Your TCEQ WQ permit number (i.e., WQ0012345001). If you are a subscriber, use the RN to which the collection system is associated. If the RN is unknown, please call the TCEQ Regional Office for assistance.

Noncompliance Summary

Volume - volume must be estimated by the one of the four methods outlined in 30 TAC

Location - include address or latitude and longitude coordinates

Cause - grease, blockage, infiltration or inflow, equipment failure, power outage, other?

Steps taken reduce, eliminate or prevent recurrence - List all steps taken to ensure no further reoccurrences

Description/content - a description of the events that lead to the spill including the contents of the spill and actions taken to clean

Standard Method - name the method you used to estimate the volume



COPY

Accidental Discharge or Spill Monthly Summary Form

See back of form for guidance for completion

General Information: December 2018

Permittee: ☒

Subscriber: ☐

Regulated Entity Name: **City of Tyler** 903-531-1285

EPA ID No: Click here to enter text.

Regulated Entity No: Click here to enter text.

TCEQ Region: **Region 5 - Tyler**

Permit No: **TCEQ 10653-02 TX 0047988** Southside Plant

County: **Smith**

Start Date Start Time	End Date End Time	Volume (gallons)	Location	Cause	Steps taken to reduce, eliminate, and prevent recurrence	Description/Content	Standard Method for Volume Calculation
12/6/18 7:45 am	12/6/18 8:30 am	45	Birdwell & loop 323	Debris	Pm cable, wash, CCTV	Call came in @ 7:45 am relieved stop @ 8:30 am MH overflowing 1 gpm 45 gallons of sewer contained in street. Ran MH T0006129 north 22 feet to relieve stop. This was a debris stop. Disinfected with HTH and washed down area with 200 gallons of fresh water. Notified 607	Duration & Volume visual

TCEQ-20756 (06-27-16)

Page 1

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Start Date Start Time	End Date End Time	Volume (gallons)	Location	Cause	Steps taken to reduce, eliminate, and prevent recurrence	Description/Content	Standard Method for Volume Calculation
12/24/18 2:15 pm	12/24/18 4:00 pm	105	800 Woodhall Place	Grease & debris	Pm cable, wash, CCTV	Call came in @ 2:15 pm knocked off stop @ 4:00 pm. MH overflowing 1 gpm into creek bed. Approximately 105 gallons of fresh water and creek. Flushed 2000 gallons of fresh water and Vac out sewer. Ran MH T0000293 south 74 feet to next MH to relieve stop. Disinfected and cleaned up around MH and washed down with fresh water. Notified 607. This was a grease and debris stop.	Duration & Volume visual
12/27/18 8:05 am	12/27/18 9:25 am	80	2011 Bradshaw	Debris	PM cable, wash, CCTV	Call came in at 8:05 am, arrived at 8:05 am, knocked of Stop at 9:25 am. City MH t0001054 was overflowing approx.. 1 gpm x 80 mins. = 80 gallons of sewer entering a flowing creek. Ran MHT0001051 west 266' to knock off stop. This is a root and debris stop. Disinfect with HTH and 3000 gallons of fresh water. Sewer was non-retrievable. 601 was notified.	visual

Information Reported by (Name/Title):
Michael Norris/Manager Wastewater Utility Systems

Signature: *Michael Norris* 1/17/19

Date Reported: 1/17/2019 FAX to 903-525-0389 Attn: Lisa Fisher Mailed to Austin: 1/17/2019

When reporting an accidental or unauthorized discharge or spill, it is important to include all information that is requested on the notification form. If you have questions about the form, do not hesitate to call your TCEQ Regional Office and ask to speak to a wastewater investigator. All information should comply with reporting requirements noted in Texas Water Code Section 26.039, 30 Texas Administrative Code (TAC) Section 305.132, and, if applicable, 30 TAC Section 327.32.

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General Information

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Noncompliance Summary

Volume - volume must be estimated by the one of the four methods outlined in 30 TAC

Location - include address or latitude and longitude coordinates

Cause - grease, blockage, infiltration or inflow, equipment failure, power outage, other?

Steps taken reduce, eliminate or prevent recurrence - List all steps taken to ensure no further reoccurrences

Description/content - a description of the events that lead to the spill including the contents of the spill and actions taken to clean

Standard Method - name the method you used to estimate the volume



COPY

Accidental Discharge or Spill Monthly Summary Form

See back of form for guidance for completion

General Information: December 2018

Permittee: ☒

Subscriber: ☐

Regulated Entity Name: **City of Tyler** **903-531-1285**

EPA ID No: Click here to enter text.

Regulated Entity No: Click here to enter text.

TCEQ Region: **Region 5 - Tyler**

Permit No: **TCEQ 10653-001 TX 0049996** **Westside Plant**

County: **Smith**

Start Date Start Time	End Date End Time	Volume (gallons)	Location	Cause	Steps taken to reduce, eliminate, and prevent recurrence	Description/Content	Standard Method for Volume Calculation
12/28/18 1:17 pm	12/28/18 1:45 pm	15	912 East Front	debris	Pm cable, wash, CCTV	Call came in at 1:15 pm Knocked stop off @ 1:45 pm Sewer coming out of ground 1/2 gpm. 15 gallons of sewer contained in yard. Ran MH T0004988 northeast 124 feet and relieved stop. Disinfected and washed down with 500 gallons of fresh water. Notified 601	Duration & Volume visual

Information Reported by (Name/Title):

Michael Norris/Manager Wastewater Utility Systems

Signature: Michael Norris 1/17/19

Date Reported: 1/17/2019

FAX to 903-525-0389

Attn: Lisa Fisher

Mailed to Austin: 1/17/2019

When reporting an accidental or unauthorized discharge or spill, it is important to include all information that is requested on the notification form. If you have questions about the form, do not hesitate to call your TCEQ Regional Office and ask to speak to a wastewater investigator. All information should comply with reporting requirements noted in Texas Water Code Section 26.039, 30 Texas Administrative Code (TAC) Section 305.132, and, if applicable, 30 TAC Section 327.32.

TCEQ-20756 (06-27-16)

Page 1

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General Information

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Permit Number - Your TCEQ WQ permit number (i.e., WQ0012345001). If you are a subscriber, use the RN to which the collection system is associated. If the RN is unknown, please call the TCEQ Regional Office for assistance.

Noncompliance Summary

Volume - volume must be estimated by the one of the four methods outlined in 30 TAC

Location - include address or latitude and longitude coordinates

Cause - grease, blockage, infiltration or inflow, equipment failure, power outage, other?

Steps taken reduce, eliminate or prevent recurrence - List all steps taken to ensure no further reoccurrences

Description/content - a description of the events that lead to the spill including the contents of the spill and actions taken to clean

Standard Method - name the method you used to estimate the volume

Section F. System-Wide Routine Cleaning Program (Paragraph 30)

Total Miles of Unique Gravity Sewer Lines Cleaned

The total number of unique miles of gravity sewer lines cleaned during the 1 January 2018 through 31 December 2018 reporting period was 214.3 miles. **Figure F-1** follows and depicts the locations of unique sewer segments cleaned.

Total Miles of Gravity Sewer Lines Cleaned

The total miles of all gravity sewer lines cleaned during the 1 January 2018 through 31 December 2018 reporting period, including all lengths of gravity sewer lines cleaned in accordance with the Revised High Frequency Cleaning Program, was 343.4 miles.

Sewer Segments Added or Removed from the High Frequency Cleaning Program

Table F-1 lists the gravity sewer segments that were added to the High Frequency Cleaning Program's three (3), six (6), and 12 month cycles, respectively.

Table F-2 lists those gravity sewer segments that were removed from the originally submitted High Frequency Cleaning Program during the 1 January 2018 through 31 December 2018 reporting period.

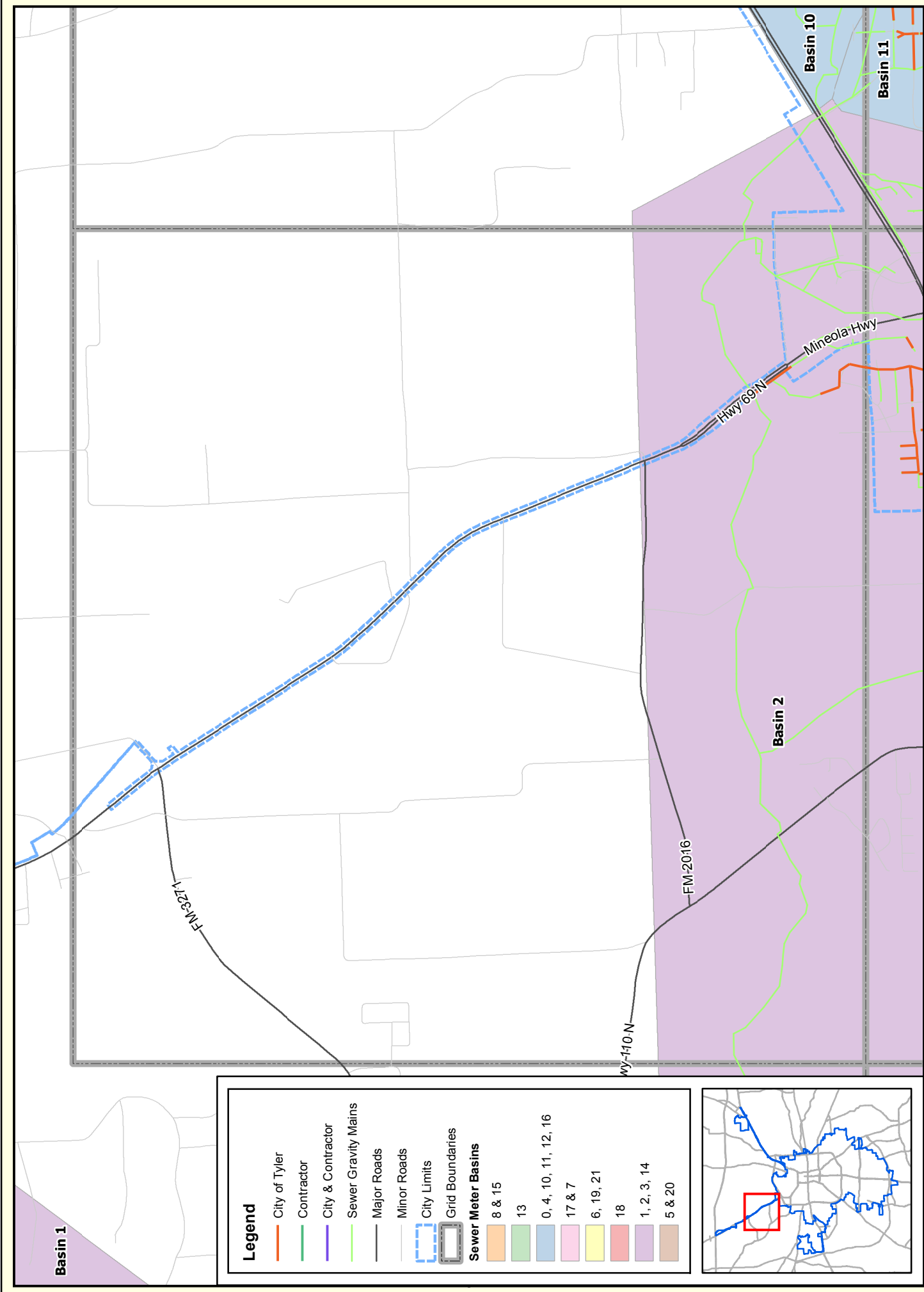
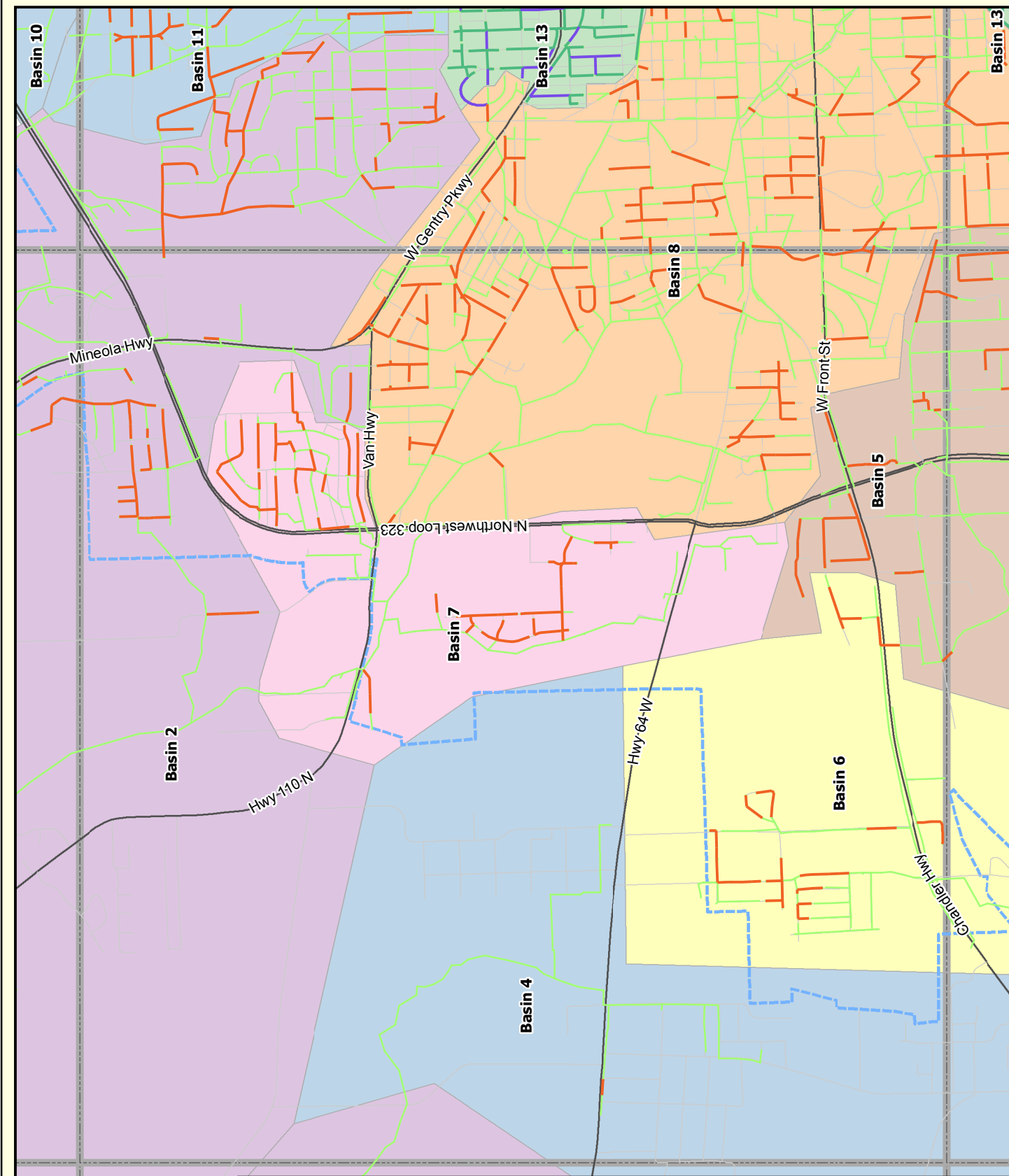


Figure F-1. Unique Sewer Segments Cleaned - Year 2









Legend

- City of Tyler
- Contractor
- City & Contractor
- Sewer Gravity Mains
- Major Roads
- Minor Roads
- City Limits
- Grid Boundaries

Sewer Meter Basins

- 8 & 15
- 13
- 0, 4, 10, 11, 12, 16
- 17 & 7
- 6, 19, 21
- 18
- 1, 2, 3, 14
- 5 & 20

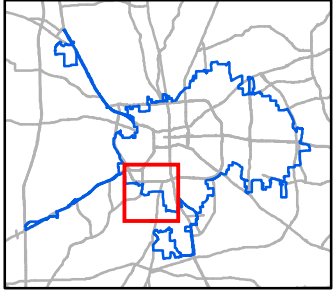


Figure F-1. Unique Sewer Segments Cleaned - Year 2

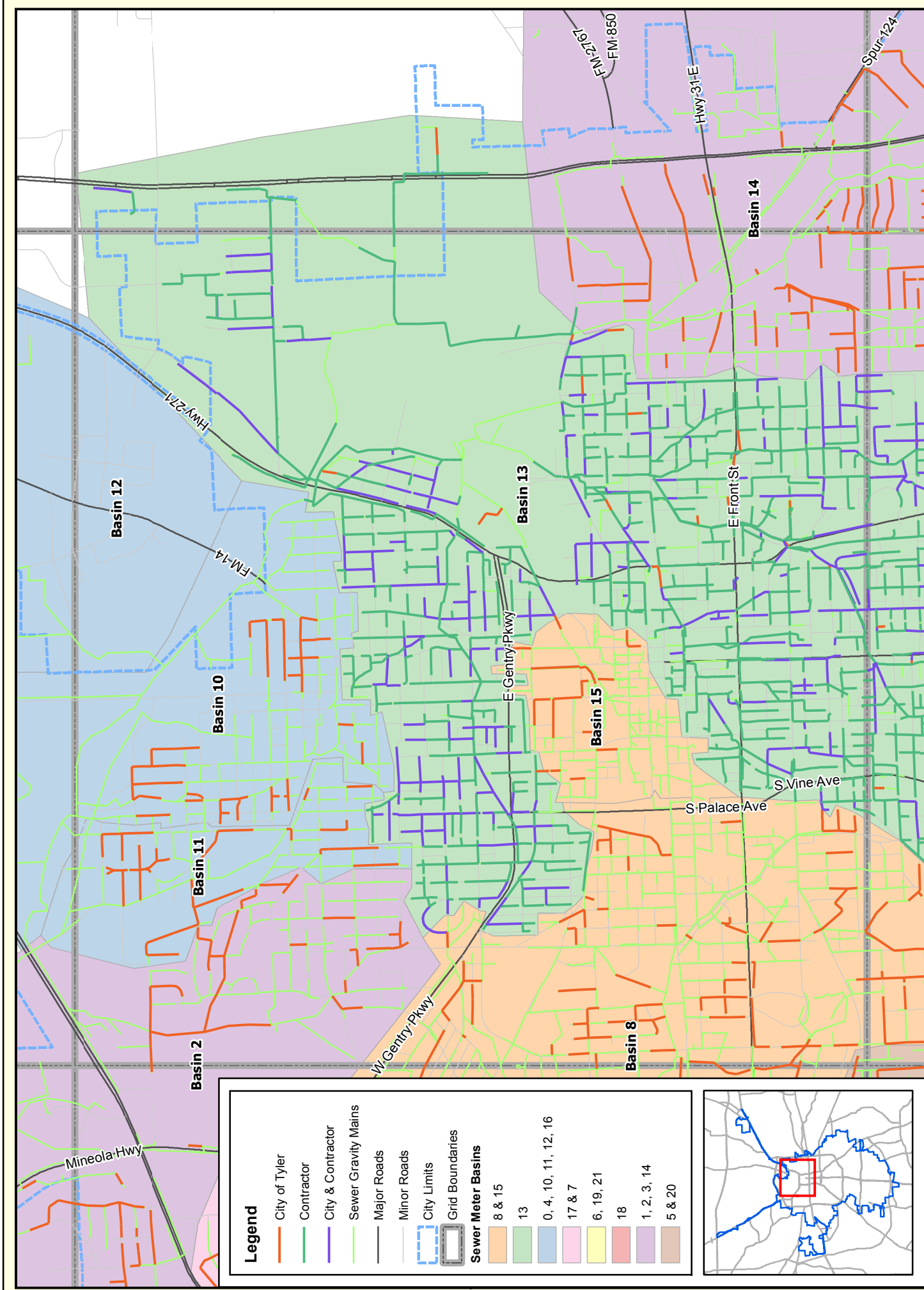
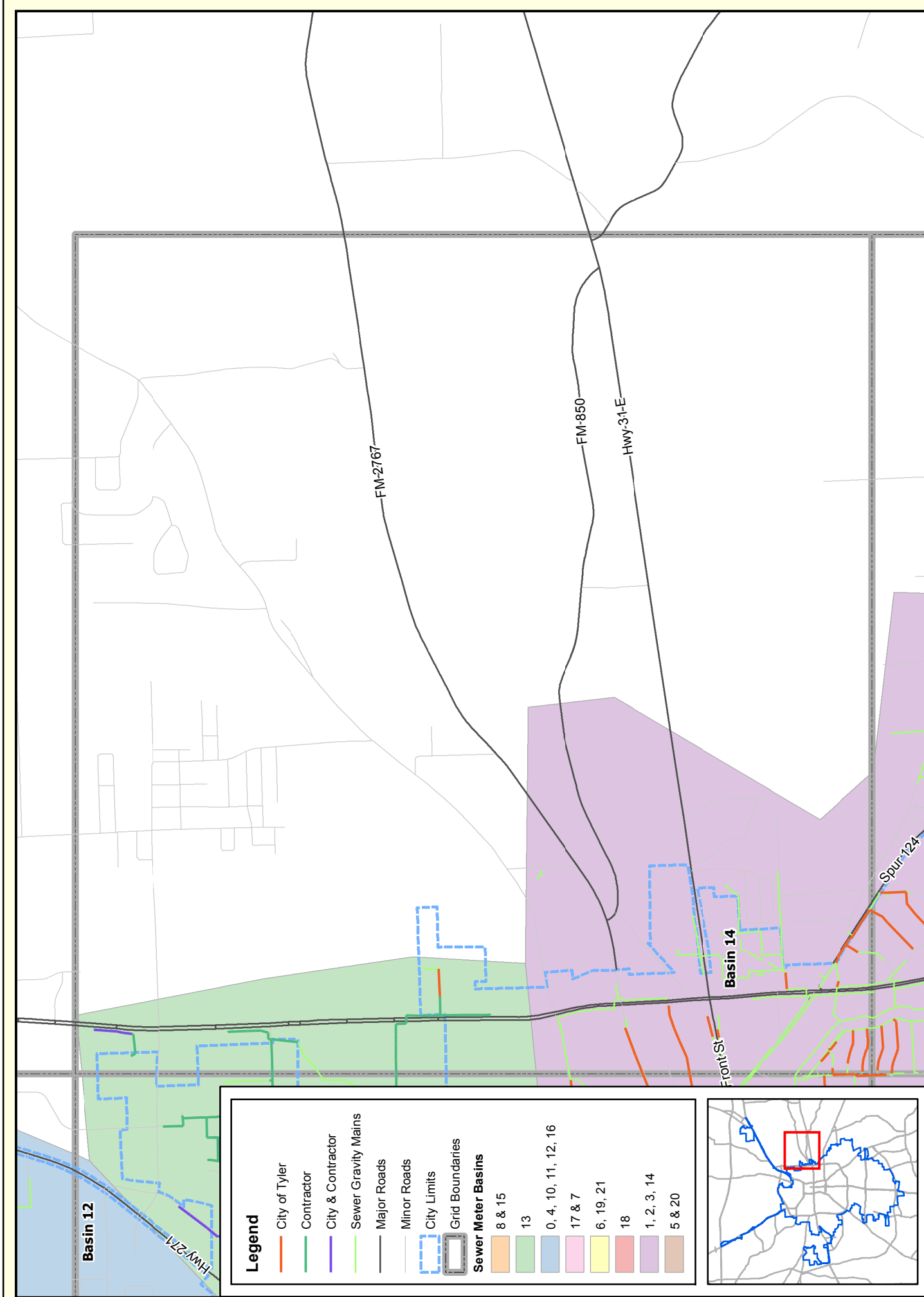
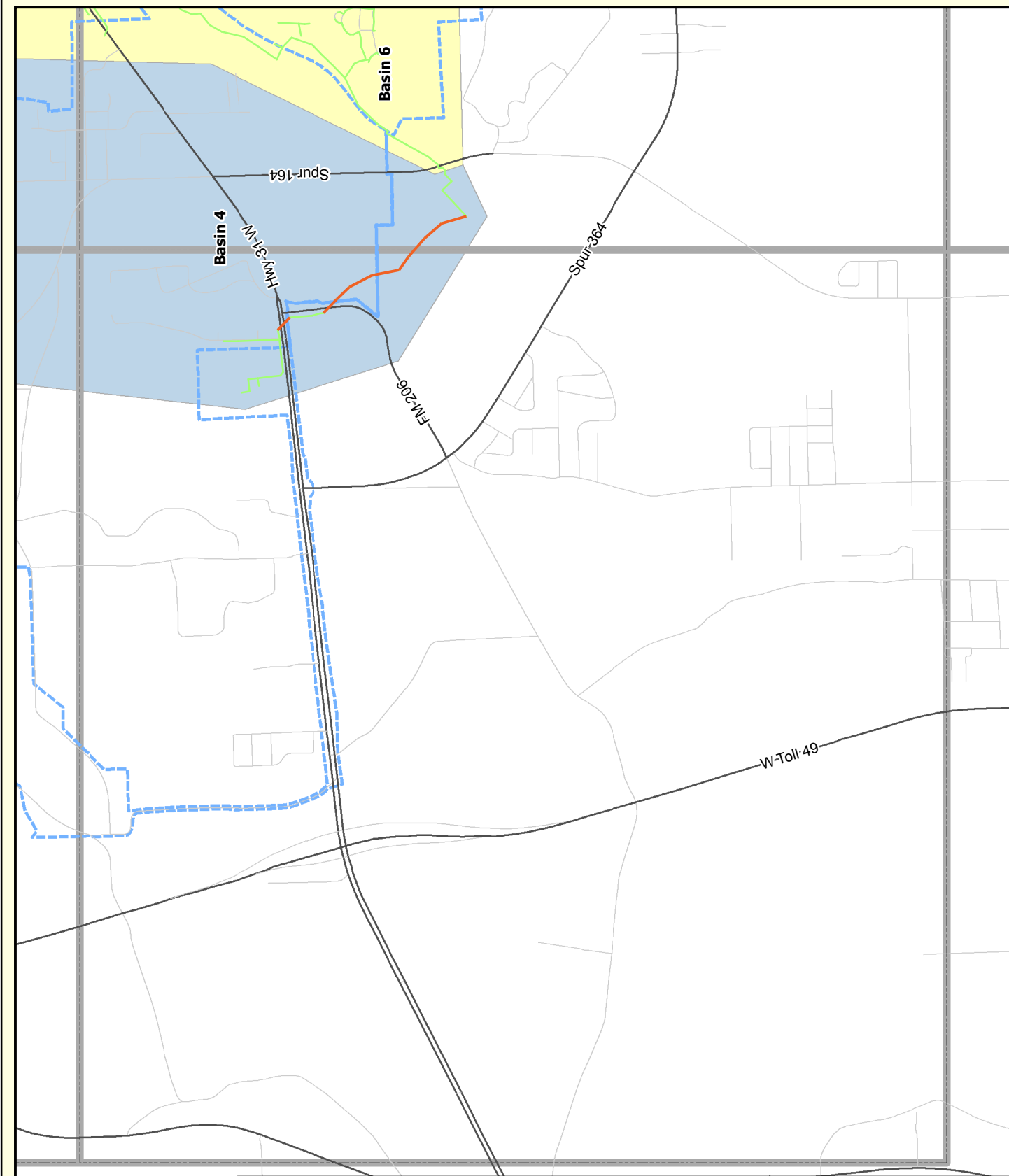


Figure F-1. Unique Sewer Segments Cleaned - Year 2





Legend

- City of Tyler
- Contractor
- City & Contractor
- Sewer Gravity Mains
- Major Roads
- Minor Roads
- City Limits
- Grid Boundaries

Sewer Meter Basins

- 8 & 15
- 13
- 0, 4, 10, 11, 12, 16
- 17 & 7
- 6, 19, 21
- 18
- 1, 2, 3, 14
- 5 & 20

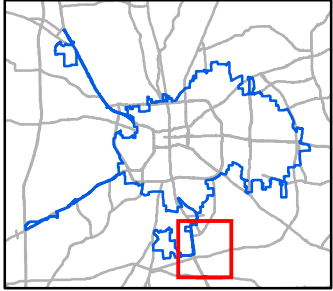


Figure F-1. Unique Sewer Segments Cleaned - Year 2

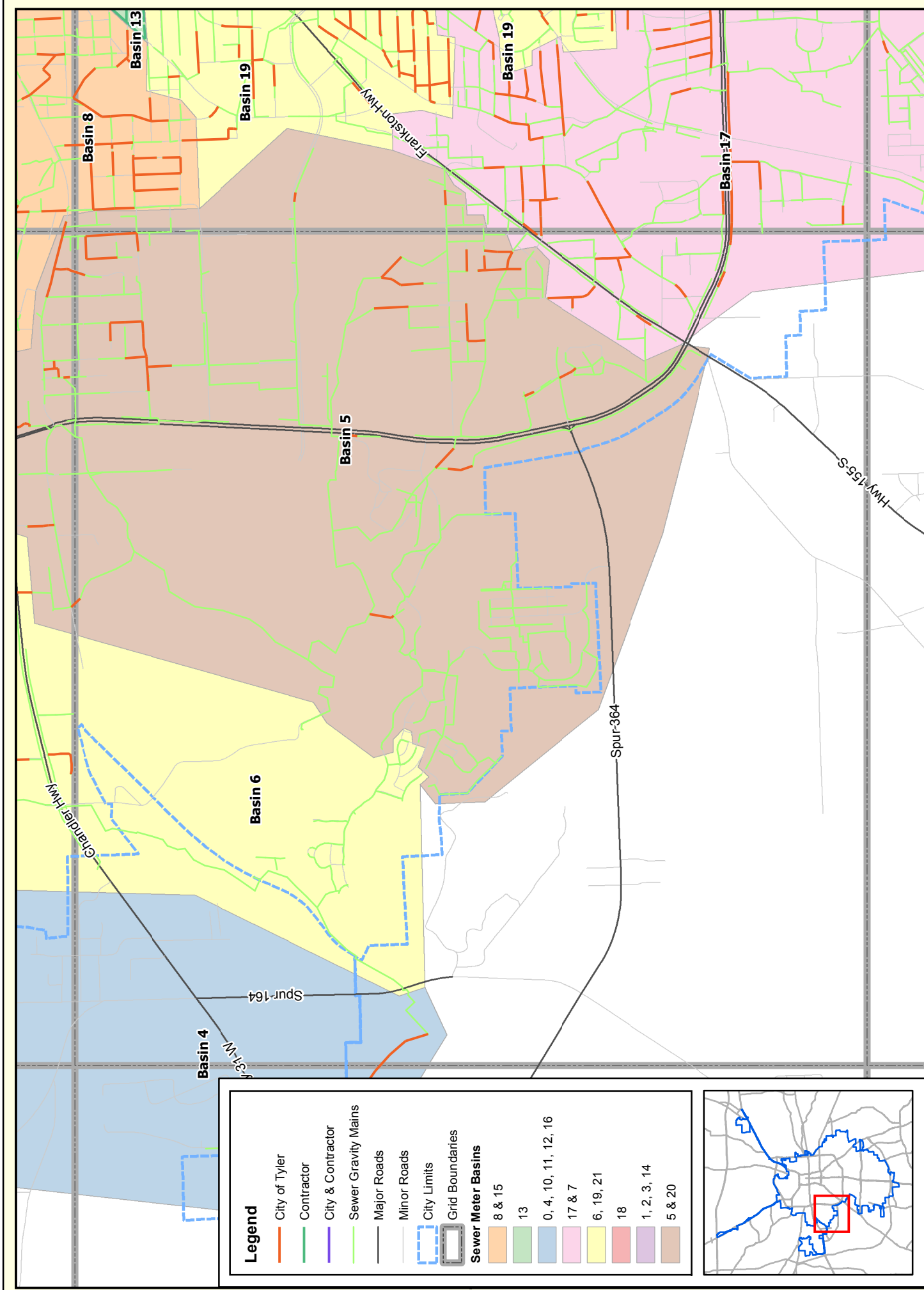


Figure F-1. Unique Sewer Segments Cleaned - Year 2



This product is for informational purposes and may not have been prepared for use in any other manner. It does not constitute a warranty or representation of any kind. The user assumes all liability for any use of this product.

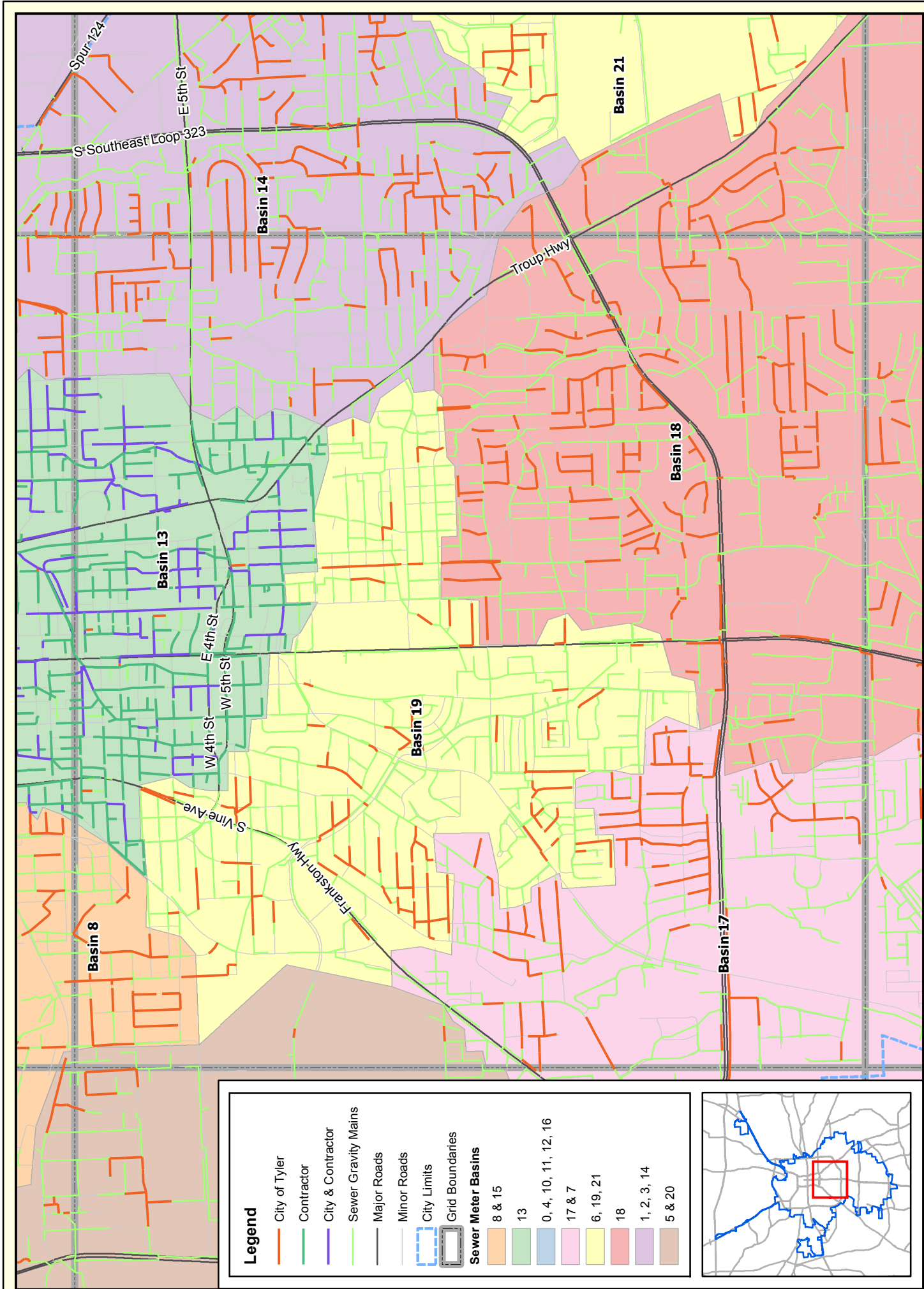
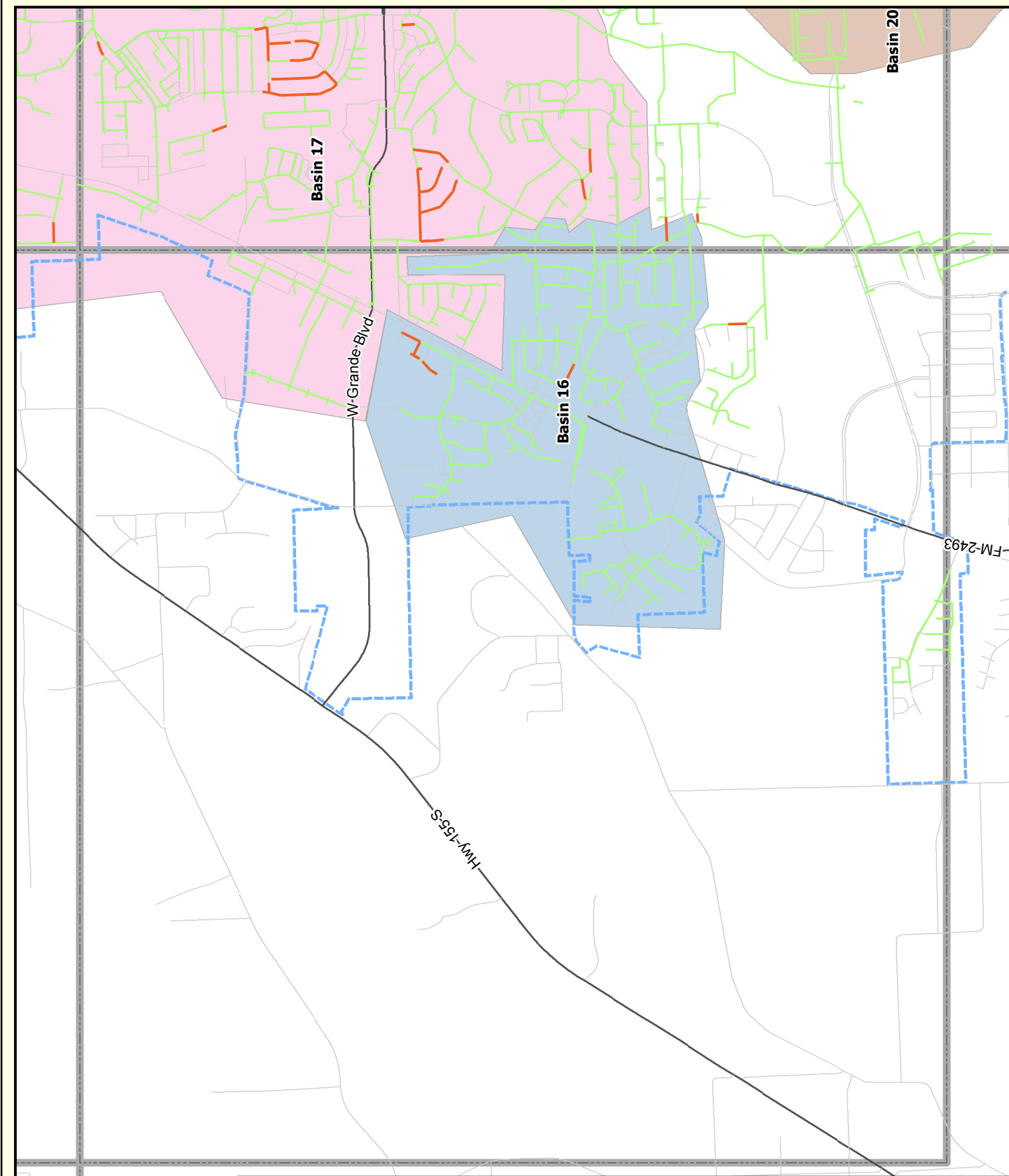


Figure F-1. Unique Sewer Segments Cleaned - Year 2







Legend

- City of Tyler
- Contractor
- City & Contractor
- Sewer Gravity Mains
- Major Roads
- Minor Roads
- City Limits
- Grid Boundaries
- Sewer Meter Basins
- 8 & 15
- 13
- 0, 4, 10, 11, 12, 16
- 17 & 7
- 6, 19, 21
- 18
- 1, 2, 3, 14
- 5 & 20

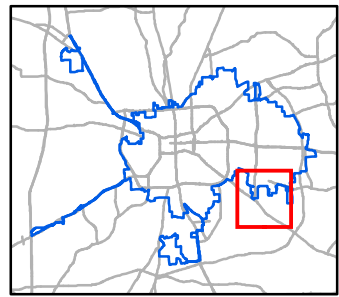


Figure F-1. Unique Sewer Segments Cleaned - Year 2

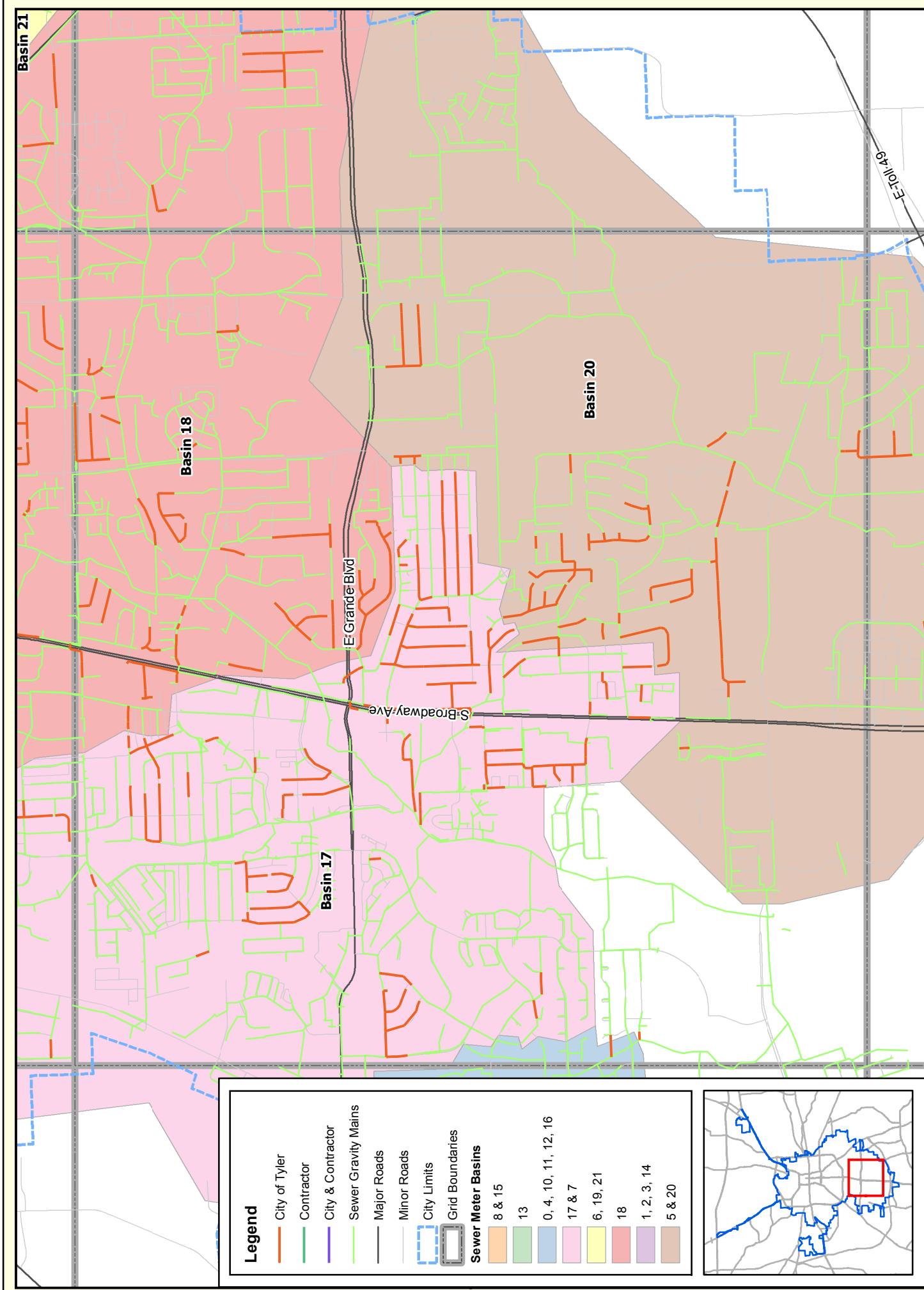


Figure F-1. Unique Sewer Segments Cleaned - Year 2

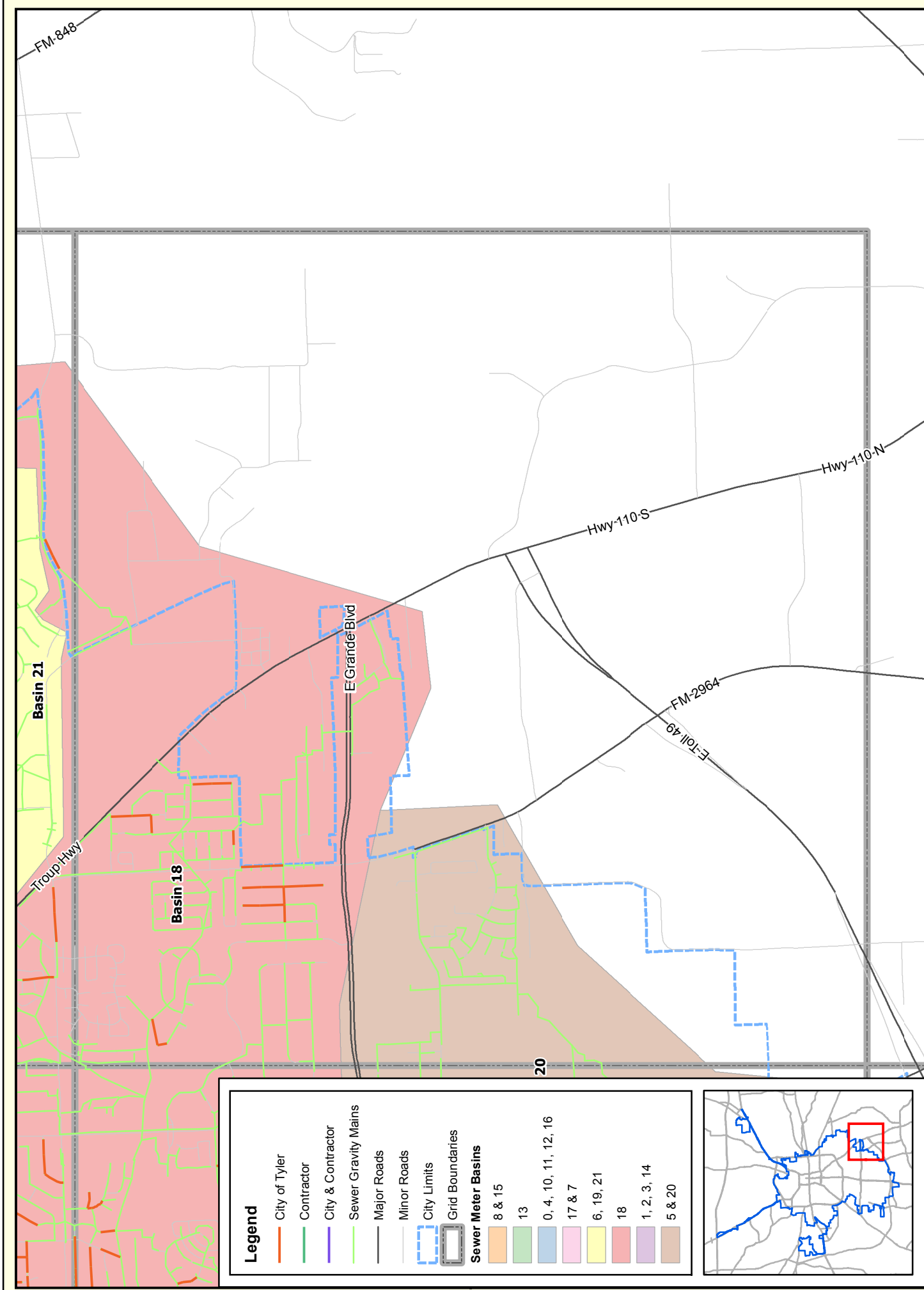


Figure F-1. Unique Sewer Segments Cleaned - Year 2



This product is for informational purposes and may not have been prepared for use in any other manner. It does not represent an official position of the City of Tyler. The City of Tyler is not responsible for any errors or omissions in this product.



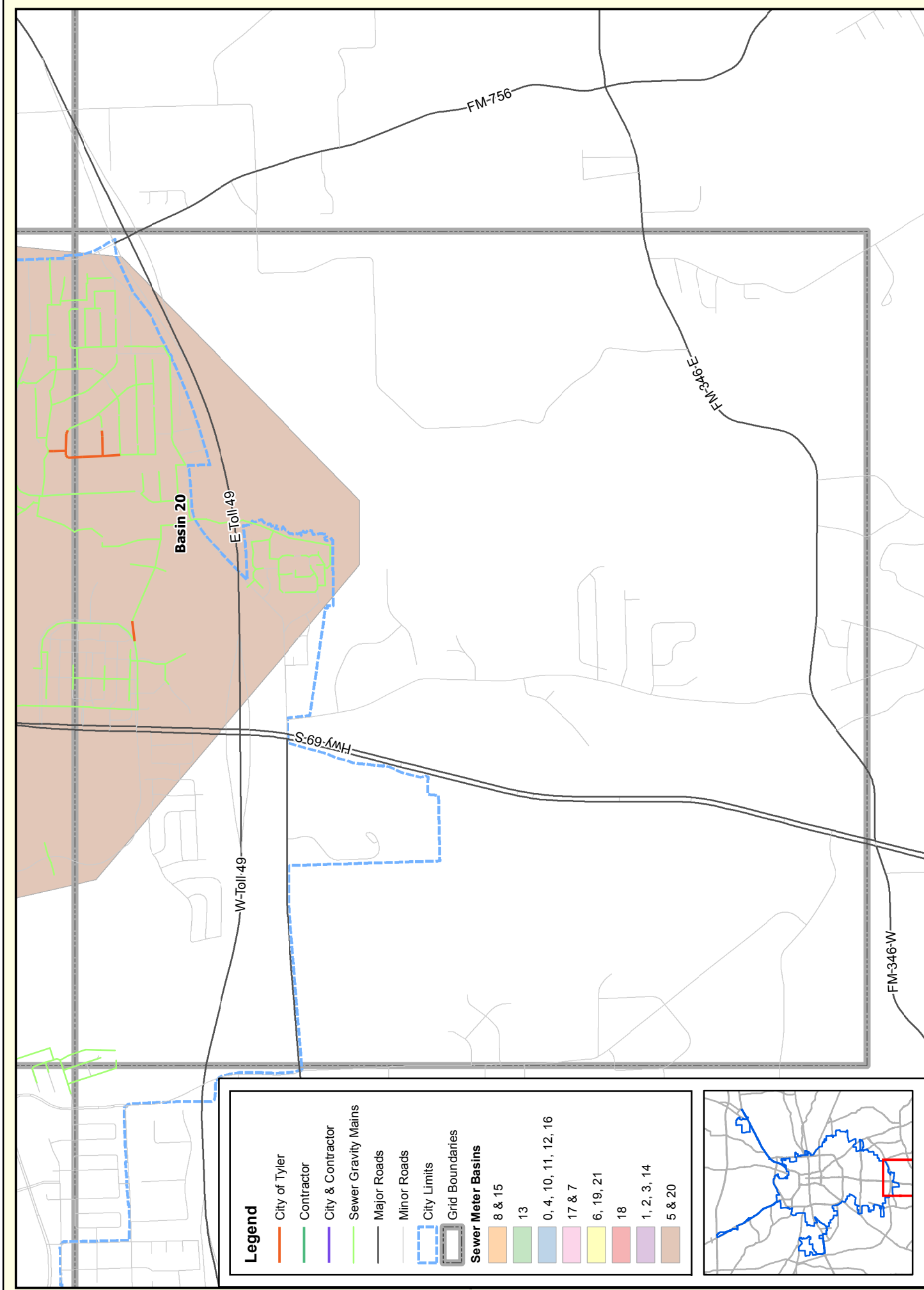


Figure F-1. Unique Sewer Segments Cleaned - Year 2



This product is for informational purposes and may not have been prepared by a professional engineer or surveyor. It does not represent an official survey and should not be used for legal purposes. Only the appropriate as-built location of property boundaries should be used.



Table F-1: Gravity Sewer Segments Added to the High Frequency Cleaning Program

Asset ID	HFCP Cycle
SS.GM.T0002930	3
SS.GM.T0013589	3

Asset ID	HFCP Cycle
SS.GM.T0000544	6
SS.GM.T0000545	6
SS.GM.T0000690	6
SS.GM.T0000694	6
SS.GM.T0002420	6
SS.GM.T0002437	6
SS.GM.T0002568	6
SS.GM.T0002694	6
SS.GM.T0002695	6
SS.GM.T0002696	6
SS.GM.T0002701	6
SS.GM.T0002884	6
SS.GM.T0003578	6
SS.GM.T0005037	6
SS.GM.T0009534	6
SS.GM.T0009541	6
SS.GM.T0009545	6
SS.GM.T0013331	6
SS.GM.T0013332	6
SS.GM.T0014138	6

Asset ID	HFCP Cycle
SS.GM.T0014155	12
SS.GM.T0014157	12
SS.GM.T0013835	12
SS.GM.T0013933	12
SS.GM.T0013934	12
SS.GM.T0013946	12
SS.GM.T0013947	12
SS.GM.T0013954	12
SS.GM.T0013955	12
SS.GM.T0013957	12
SS.GM.T0013960	12
SS.GM.T0014014	12
SS.GM.T0014016	12
SS.GM.T0014102	12
SS.GM.T0014106	12
SS.GM.T0014108	12
SS.GM.T0014136	12
SS.GM.T0014158	12
SS.GM.T0014186	12
SS.GM.T0014192	12
SS.GM.T0014211	12
SS.GM.T0014212	12
SS.GM.T0014222	12
SS.GM.T0014223	12
SS.GM.T0014224	12
SS.GM.T0014017	12
SS.GM.T0014026	12
SS.GM.T0000509	12
SS.GM.T0000629	12
SS.GM.T0000674	12
SS.GM.T0000675	12
SS.GM.T0000676	12
SS.GM.T0000693	12
SS.GM.T0000710	12
SS.GM.T0000715	12
SS.GM.T0000761	12
SS.GM.T0000829	12
SS.GM.T0000891	12
SS.GM.T0000892	12
SS.GM.T0000893	12
SS.GM.T0000894	12
SS.GM.T0000926	12
SS.GM.T0001082	12
SS.GM.T0001186	12
SS.GM.T0001339	12
SS.GM.T0001386	12
SS.GM.T0001456	12
SS.GM.T0001466	12
SS.GM.T0001497	12
SS.GM.T0001628	12
SS.GM.T0001637	12
SS.GM.T0001638	12
SS.GM.T0001672	12

Table F-1: Gravity Sewer Segments Added to the High Frequency Cleaning Program

SS.GM.T0001723	12
SS.GM.T0001724	12
SS.GM.T0001750	12
SS.GM.T0001751	12
SS.GM.T0001752	12
SS.GM.T0001753	12
SS.GM.T0001757	12
SS.GM.T0001838	12
SS.GM.T0001844	12
SS.GM.T0002006	12
SS.GM.T0002051	12
SS.GM.T0002059	12
SS.GM.T0002103	12
SS.GM.T0002104	12
SS.GM.T0002174	12
SS.GM.T0002391	12
SS.GM.T0002412	12
SS.GM.T0002413	12
SS.GM.T0002491	12
SS.GM.T0002492	12
SS.GM.T0002495	12
SS.GM.T0002528	12
SS.GM.T0002546	12
SS.GM.T0002548	12
SS.GM.T0002629	12
SS.GM.T0002655	12
SS.GM.T0002719	12
SS.GM.T0002790	12
SS.GM.T0002792	12
SS.GM.T0002793	12
SS.GM.T0002794	12
SS.GM.T0002822	12
SS.GM.T0002902	12
SS.GM.T0002914	12
SS.GM.T0002916	12
SS.GM.T0002996	12
SS.GM.T0003037	12
SS.GM.T0003040	12
SS.GM.T0003293	12
SS.GM.T0003294	12
SS.GM.T0003312	12
SS.GM.T0003362	12
SS.GM.T0003373	12
SS.GM.T0003375	12
SS.GM.T0003376	12
SS.GM.T0003377	12
SS.GM.T0003399	12
SS.GM.T0003419	12
SS.GM.T0003456	12
SS.GM.T0003571	12
SS.GM.T0003586	12
SS.GM.T0003623	12
SS.GM.T0003734	12
SS.GM.T0003771	12
SS.GM.T0003785	12

Table F-1: Gravity Sewer Segments Added to the High Frequency Cleaning Program

SS.GM.T0003819	12
SS.GM.T0003824	12
SS.GM.T0003828	12
SS.GM.T0003852	12
SS.GM.T0003855	12
SS.GM.T0003865	12
SS.GM.T0003880	12
SS.GM.T0003881	12
SS.GM.T0003905	12
SS.GM.T0003906	12
SS.GM.T0003907	12
SS.GM.T0003917	12
SS.GM.T0003918	12
SS.GM.T0003936	12
SS.GM.T0003940	12
SS.GM.T0003952	12
SS.GM.T0003965	12
SS.GM.T0003969	12
SS.GM.T0003986	12
SS.GM.T0003987	12
SS.GM.T0004034	12
SS.GM.T0004062	12
SS.GM.T0004187	12
SS.GM.T0004207	12
SS.GM.T0004240	12
SS.GM.T0004241	12
SS.GM.T0004252	12
SS.GM.T0004292	12
SS.GM.T0004317	12
SS.GM.T0004363	12
SS.GM.T0004366	12
SS.GM.T0004381	12
SS.GM.T0004382	12
SS.GM.T0004438	12
SS.GM.T0004521	12
SS.GM.T0004555	12
SS.GM.T0004574	12
SS.GM.T0004632	12
SS.GM.T0004633	12
SS.GM.T0004635	12
SS.GM.T0004636	12
SS.GM.T0004690	12
SS.GM.T0004802	12
SS.GM.T0004805	12
SS.GM.T0004834	12
SS.GM.T0004866	12
SS.GM.T0004896	12
SS.GM.T0004897	12
SS.GM.T0004898	12
SS.GM.T0005126	12
SS.GM.T0005127	12
SS.GM.T0005148	12
SS.GM.T0005156	12
SS.GM.T0005159	12
SS.GM.T0005351	12

Table F-1: Gravity Sewer Segments Added to the High Frequency Cleaning Program

SS.GM.T0005512	12
SS.GM.T0005513	12
SS.GM.T0005620	12
SS.GM.T0005621	12
SS.GM.T0005622	12
SS.GM.T0005636	12
SS.GM.T0005637	12
SS.GM.T0005638	12
SS.GM.T0005639	12
SS.GM.T0005640	12
SS.GM.T0005655	12
SS.GM.T0005679	12
SS.GM.T0005693	12
SS.GM.T0005694	12
SS.GM.T0005695	12
SS.GM.T0005742	12
SS.GM.T0005743	12
SS.GM.T0005744	12
SS.GM.T0005759	12
SS.GM.T0005760	12
SS.GM.T0005761	12
SS.GM.T0005764	12
SS.GM.T0005766	12
SS.GM.T0005790	12
SS.GM.T0005821	12
SS.GM.T0005822	12
SS.GM.T0005823	12
SS.GM.T0005907	12
SS.GM.T0005980	12
SS.GM.T0006049	12
SS.GM.T0006060	12
SS.GM.T0006080	12
SS.GM.T0006081	12
SS.GM.T0006082	12
SS.GM.T0006169	12
SS.GM.T0006170	12
SS.GM.T0006248	12
SS.GM.T0006289	12
SS.GM.T0006364	12
SS.GM.T0006366	12
SS.GM.T0006444	12
SS.GM.T0006466	12
SS.GM.T0006467	12
SS.GM.T0006470	12
SS.GM.T0006574	12
SS.GM.T0006578	12
SS.GM.T0006581	12
SS.GM.T0006588	12
SS.GM.T0006609	12
SS.GM.T0006617	12
SS.GM.T0006857	12
SS.GM.T0006859	12
SS.GM.T0006914	12
SS.GM.T0006957	12
SS.GM.T0007070	12

Table F-1: Gravity Sewer Segments Added to the High Frequency Cleaning Program

SS.GM.T0007073	12
SS.GM.T0007086	12
SS.GM.T0007141	12
SS.GM.T0007142	12
SS.GM.T0007168	12
SS.GM.T0007169	12
SS.GM.T0007198	12
SS.GM.T0007211	12
SS.GM.T0007253	12
SS.GM.T0007275	12
SS.GM.T0007345	12
SS.GM.T0007348	12
SS.GM.T0007425	12
SS.GM.T0007426	12
SS.GM.T0007550	12
SS.GM.T0007556	12
SS.GM.T0007557	12
SS.GM.T0007596	12
SS.GM.T0007622	12
SS.GM.T0007759	12
SS.GM.T0007760	12
SS.GM.T0007766	12
SS.GM.T0007770	12
SS.GM.T0007775	12
SS.GM.T0007776	12
SS.GM.T0007777	12
SS.GM.T0007783	12
SS.GM.T0007837	12
SS.GM.T0007968	12
SS.GM.T0007975	12
SS.GM.T0007982	12
SS.GM.T0008017	12
SS.GM.T0008057	12
SS.GM.T0008085	12
SS.GM.T0008086	12
SS.GM.T0008091	12
SS.GM.T0008099	12
SS.GM.T0008100	12
SS.GM.T0008239	12
SS.GM.T0008296	12
SS.GM.T0008317	12
SS.GM.T0008324	12
SS.GM.T0008370	12
SS.GM.T0008371	12
SS.GM.T0008418	12
SS.GM.T0008481	12
SS.GM.T0008484	12
SS.GM.T0008490	12
SS.GM.T0008511	12
SS.GM.T0008512	12
SS.GM.T0008553	12
SS.GM.T0008571	12
SS.GM.T0008580	12
SS.GM.T0008595	12
SS.GM.T0008625	12

Table F-1: Gravity Sewer Segments Added to the High Frequency Cleaning Program

SS.GM.T0008690	12
SS.GM.T0008720	12
SS.GM.T0008740	12
SS.GM.T0008793	12
SS.GM.T0008795	12
SS.GM.T0008796	12
SS.GM.T0008797	12
SS.GM.T0008801	12
SS.GM.T0008851	12
SS.GM.T0008862	12
SS.GM.T0008917	12
SS.GM.T0008928	12
SS.GM.T0008970	12
SS.GM.T0008974	12
SS.GM.T0008991	12
SS.GM.T0008993	12
SS.GM.T0009006	12
SS.GM.T0009015	12
SS.GM.T0009023	12
SS.GM.T0009024	12
SS.GM.T0009087	12
SS.GM.T0009097	12
SS.GM.T0009098	12
SS.GM.T0009099	12
SS.GM.T0009115	12
SS.GM.T0009165	12
SS.GM.T0009273	12
SS.GM.T0009294	12
SS.GM.T0009309	12
SS.GM.T0009310	12
SS.GM.T0009311	12
SS.GM.T0009312	12
SS.GM.T0009599	12
SS.GM.T0009600	12
SS.GM.T0009601	12
SS.GM.T0009612	12
SS.GM.T0009655	12
SS.GM.T0009711	12
SS.GM.T0009725	12
SS.GM.T0009727	12
SS.GM.T0009740	12
SS.GM.T0009769	12
SS.GM.T0009773	12
SS.GM.T0009774	12
SS.GM.T0009812	12
SS.GM.T0009985	12
SS.GM.T0009998	12
SS.GM.T0010006	12
SS.GM.T0010007	12
SS.GM.T0010012	12
SS.GM.T0010037	12
SS.GM.T0010233	12
SS.GM.T0010376	12
SS.GM.T0010717	12
SS.GM.T0010719	12

Table F-1: Gravity Sewer Segments Added to the High Frequency Cleaning Program

SS.GM.T0010928	12
SS.GM.T0010929	12
SS.GM.T0010930	12
SS.GM.T0010931	12
SS.GM.T0010935	12
SS.GM.T0011685	12
SS.GM.T0012081	12
SS.GM.T0012095	12
SS.GM.T0012221	12
SS.GM.T0012336	12
SS.GM.T0012438	12
SS.GM.T0012439	12
SS.GM.T0012440	12
SS.GM.T0012441	12
SS.GM.T0012442	12
SS.GM.T0012443	12
SS.GM.T0012444	12
SS.GM.T0012963	12
SS.GM.T0013008	12
SS.GM.T0013163	12
SS.GM.T0013179	12
SS.GM.T0013211	12
SS.GM.T0013280	12
SS.GM.T0013281	12
SS.GM.T0013283	12
SS.GM.T0013284	12
SS.GM.T0013286	12
SS.GM.T0013336	12
SS.GM.T0013361	12
SS.GM.T0013431	12
SS.GM.T0013433	12
SS.GM.T0013459	12
SS.GM.T0013460	12
SS.GM.T0013461	12
SS.GM.T0013493	12
SS.GM.T0013524	12
SS.GM.T0013538	12
SS.GM.T0013676	12
SS.GM.T0013679	12

Section G. Revised High Frequency Cleaning Program (Paragraph 33)

Sewer Segments Subject to Revised High Frequency Cleaning Program

See attached **Table G-1**, listing the sewer segments subject to the Revised High Frequency Cleaning Program, along with an identification of how often each segment was cleaned during this reporting period. The list for the 1 January 2018 through 31 December 2018 reporting period is sorted by Asset ID.

Maps of Sewer Segments Subject to Revised High Frequency Cleaning Program

See attached **Figure G-1** depicting the locations of sewer segments subject to the Revised High Frequency Cleaning Program during this reporting period.

Table G-1: Revised High Frequency Cleaning Program

Asset ID	HFCP Clean	HFCP Cycle
SS.GM.T0002930	5	3
SS.GM.T0008193	4	3
SS.GM.T0013190	8	3
SS.GM.T0013589	5	3
SS.GM.T0000423	1	6
SS.GM.T0000544	1	6
SS.GM.T0000545	1	6
SS.GM.T0000690	1	6
SS.GM.T0000694	1	6
SS.GM.T0000844	1	6
SS.GM.T0000846	1	6
SS.GM.T0000964	1	6
SS.GM.T0000965	2	6
SS.GM.T0001058	2	6
SS.GM.T0001059	2	6
SS.GM.T0001139	1	6
SS.GM.T0001240	2	6
SS.GM.T0001241	2	6
SS.GM.T0001242	2	6
SS.GM.T0001243	2	6
SS.GM.T0001313	1	6
SS.GM.T0001314	1	6
SS.GM.T0001820	2	6
SS.GM.T0002042	1	6
SS.GM.T0002043	1	6
SS.GM.T0002252	1	6
SS.GM.T0002420	1	6
SS.GM.T0002425	1	6
SS.GM.T0002426	1	6
SS.GM.T0002437	1	6
SS.GM.T0002512	2	6
SS.GM.T0002513	2	6
SS.GM.T0002514	2	6
SS.GM.T0002524	4	6
SS.GM.T0002568	2	6
SS.GM.T0002676	2	6
SS.GM.T0002694	1	6
SS.GM.T0002695	2	6
SS.GM.T0002696	2	6
SS.GM.T0002698	2	6
SS.GM.T0002699	2	6
SS.GM.T0002701	2	6
SS.GM.T0002702	1	6
SS.GM.T0002884	1	6
SS.GM.T0003139	1	6
SS.GM.T0003184	1	6
SS.GM.T0003243	1	6
SS.GM.T0003317	2	6
SS.GM.T0003318	1	6
SS.GM.T0003326	2	6
SS.GM.T0003328	1	6
SS.GM.T0003382	2	6
SS.GM.T0003384	2	6
SS.GM.T0003578	1	6

Asset ID	HFCP Clean	HFCP Cycle
SS.GM.T0005869	1	12
SS.GM.T0005870	1	12
SS.GM.T0005880	1	12
SS.GM.T0005901	2	12
SS.GM.T0005906	1	12
SS.GM.T0005907	2	12
SS.GM.T0005910	2	12
SS.GM.T0005911	2	12
SS.GM.T0005918	2	12
SS.GM.T0005944	2	12
SS.GM.T0005967	2	12
SS.GM.T0005968	2	12
SS.GM.T0005969	4	12
SS.GM.T0005980	2	12
SS.GM.T0005983	2	12
SS.GM.T0005996	2	12
SS.GM.T0006007	3	12
SS.GM.T0006019	2	12
SS.GM.T0006022	1	12
SS.GM.T0006036	2	12
SS.GM.T0006037	2	12
SS.GM.T0006049	2	12
SS.GM.T0006060	1	12
SS.GM.T0006061	1	12
SS.GM.T0006077	2	12
SS.GM.T0006080	1	12
SS.GM.T0006081	2	12
SS.GM.T0006082	1	12
SS.GM.T0006088	4	12
SS.GM.T0006094	1	12
SS.GM.T0006169	1	12
SS.GM.T0006170	1	12
SS.GM.T0006178	1	12
SS.GM.T0006207	1	12
SS.GM.T0006227	1	12
SS.GM.T0006228	1	12
SS.GM.T0006235	1	12
SS.GM.T0006248	2	12
SS.GM.T0006261	1	12
SS.GM.T0006289	1	12
SS.GM.T0006290	3	12
SS.GM.T0006298	1	12
SS.GM.T0006299	1	12
SS.GM.T0006300	2	12
SS.GM.T0006301	2	12
SS.GM.T0006302	1	12
SS.GM.T0006303	2	12
SS.GM.T0006330	2	12
SS.GM.T0006341	2	12
SS.GM.T0006347	1	12
SS.GM.T0006358	1	12
SS.GM.T0006364	2	12
SS.GM.T0006366	1	12
SS.GM.T0006370	2	12

Table G-1: Revised High Frequency Cleaning Program

SS.GM.T0003583	1	6
SS.GM.T0003746	1	6
SS.GM.T0003859	4	6
SS.GM.T0003867	4	6
SS.GM.T0003939	2	6
SS.GM.T0004307	1	6
SS.GM.T0005037	1	6
SS.GM.T0005249	1	6
SS.GM.T0005250	1	6
SS.GM.T0005251	1	6
SS.GM.T0005318	4	6
SS.GM.T0005320	2	6
SS.GM.T0005322	2	6
SS.GM.T0005623	2	6
SS.GM.T0005632	2	6
SS.GM.T0005868	3	6
SS.GM.T0006361	2	6
SS.GM.T0007346	4	6
SS.GM.T0007537	4	6
SS.GM.T0007562	3	6
SS.GM.T0007563	3	6
SS.GM.T0007904	1	6
SS.GM.T0008155	3	6
SS.GM.T0008156	3	6
SS.GM.T0008380	1	6
SS.GM.T0009473	1	6
SS.GM.T0009533	2	6
SS.GM.T0009534	4	6
SS.GM.T0009541	2	6
SS.GM.T0009545	1	6
SS.GM.T0009547	2	6
SS.GM.T0009548	2	6
SS.GM.T0012516	1	6
SS.GM.T0012518	1	6
SS.GM.T0012569	1	6
SS.GM.T0013206	2	6
SS.GM.T0013319	1	6
SS.GM.T0013331	1	6
SS.GM.T0013332	1	6
SS.GM.T0013390	2	6
SS.GM.T0013712	2	6
SS.GM.T0013713	3	6
SS.GM.T0014138	1	6
SS.GM.T0000243	1	12
SS.GM.T0000318	1	12
SS.GM.T0000319	2	12
SS.GM.T0000320	1	12
SS.GM.T0000384	4	12
SS.GM.T0000397	1	12
SS.GM.T0000411	1	12
SS.GM.T0000412	1	12
SS.GM.T0000413	1	12
SS.GM.T0000414	1	12
SS.GM.T0000420	1	12
SS.GM.T0000425	3	12

SS.GM.T0006373	2	12
SS.GM.T0006433	2	12
SS.GM.T0006435	2	12
SS.GM.T0006441	1	12
SS.GM.T0006444	1	12
SS.GM.T0006460	1	12
SS.GM.T0006464	1	12
SS.GM.T0006466	2	12
SS.GM.T0006467	1	12
SS.GM.T0006470	1	12
SS.GM.T0006518	2	12
SS.GM.T0006555	2	12
SS.GM.T0006566	4	12
SS.GM.T0006567	4	12
SS.GM.T0006574	2	12
SS.GM.T0006575	2	12
SS.GM.T0006576	2	12
SS.GM.T0006577	3	12
SS.GM.T0006578	1	12
SS.GM.T0006579	1	12
SS.GM.T0006580	3	12
SS.GM.T0006581	1	12
SS.GM.T0006585	1	12
SS.GM.T0006588	1	12
SS.GM.T0006589	1	12
SS.GM.T0006608	2	12
SS.GM.T0006609	1	12
SS.GM.T0006616	2	12
SS.GM.T0006617	2	12
SS.GM.T0006618	4	12
SS.GM.T0006620	2	12
SS.GM.T0006621	2	12
SS.GM.T0006631	1	12
SS.GM.T0006632	1	12
SS.GM.T0006633	1	12
SS.GM.T0006634	1	12
SS.GM.T0006638	1	12
SS.GM.T0006639	2	12
SS.GM.T0006640	2	12
SS.GM.T0006676	2	12
SS.GM.T0006704	2	12
SS.GM.T0006732	2	12
SS.GM.T0006733	1	12
SS.GM.T0006756	2	12
SS.GM.T0006787	1	12
SS.GM.T0006790	1	12
SS.GM.T0006791	1	12
SS.GM.T0006792	1	12
SS.GM.T0006793	1	12
SS.GM.T0006794	1	12
SS.GM.T0006857	1	12
SS.GM.T0006858	1	12
SS.GM.T0006859	1	12
SS.GM.T0006912	2	12
SS.GM.T0006913	2	12

Table G-1: Revised High Frequency Cleaning Program

SS.GM.T0000432	1	12
SS.GM.T0000434	2	12
SS.GM.T0000471	1	12
SS.GM.T0000472	2	12
SS.GM.T0000473	2	12
SS.GM.T0000477	2	12
SS.GM.T0000481	1	12
SS.GM.T0000508	2	12
SS.GM.T0000509	1	12
SS.GM.T0000510	2	12
SS.GM.T0000522	2	12
SS.GM.T0000547	1	12
SS.GM.T0000552	2	12
SS.GM.T0000553	2	12
SS.GM.T0000554	1	12
SS.GM.T0000555	1	12
SS.GM.T0000575	1	12
SS.GM.T0000580	2	12
SS.GM.T0000581	3	12
SS.GM.T0000582	3	12
SS.GM.T0000586	1	12
SS.GM.T0000593	2	12
SS.GM.T0000620	2	12
SS.GM.T0000629	1	12
SS.GM.T0000637	3	12
SS.GM.T0000663	2	12
SS.GM.T0000665	1	12
SS.GM.T0000673	2	12
SS.GM.T0000674	1	12
SS.GM.T0000675	1	12
SS.GM.T0000676	1	12
SS.GM.T0000678	2	12
SS.GM.T0000693	2	12
SS.GM.T0000703	1	12
SS.GM.T0000710	1	12
SS.GM.T0000715	1	12
SS.GM.T0000716	2	12
SS.GM.T0000720	2	12
SS.GM.T0000745	2	12
SS.GM.T0000761	1	12
SS.GM.T0000775	2	12
SS.GM.T0000806	2	12
SS.GM.T0000808	2	12
SS.GM.T0000813	2	12
SS.GM.T0000829	2	12
SS.GM.T0000840	2	12
SS.GM.T0000843	2	12
SS.GM.T0000888	1	12
SS.GM.T0000890	1	12
SS.GM.T0000891	1	12
SS.GM.T0000892	1	12
SS.GM.T0000893	1	12
SS.GM.T0000894	1	12
SS.GM.T0000926	1	12
SS.GM.T0000927	7	12

SS.GM.T0006914	1	12
SS.GM.T0006943	1	12
SS.GM.T0006946	2	12
SS.GM.T0006957	1	12
SS.GM.T0006958	2	12
SS.GM.T0007017	1	12
SS.GM.T0007028	1	12
SS.GM.T0007029	1	12
SS.GM.T0007050	2	12
SS.GM.T0007063	2	12
SS.GM.T0007068	3	12
SS.GM.T0007070	2	12
SS.GM.T0007073	1	12
SS.GM.T0007074	2	12
SS.GM.T0007086	2	12
SS.GM.T0007088	2	12
SS.GM.T0007113	1	12
SS.GM.T0007141	1	12
SS.GM.T0007142	1	12
SS.GM.T0007161	2	12
SS.GM.T0007162	2	12
SS.GM.T0007168	1	12
SS.GM.T0007169	1	12
SS.GM.T0007170	1	12
SS.GM.T0007171	1	12
SS.GM.T0007176	2	12
SS.GM.T0007198	1	12
SS.GM.T0007211	1	12
SS.GM.T0007212	1	12
SS.GM.T0007213	1	12
SS.GM.T0007214	1	12
SS.GM.T0007216	2	12
SS.GM.T0007219	3	12
SS.GM.T0007221	2	12
SS.GM.T0007225	1	12
SS.GM.T0007253	2	12
SS.GM.T0007258	1	12
SS.GM.T0007262	2	12
SS.GM.T0007267	2	12
SS.GM.T0007268	1	12
SS.GM.T0007273	2	12
SS.GM.T0007274	2	12
SS.GM.T0007275	1	12
SS.GM.T0007313	1	12
SS.GM.T0007345	1	12
SS.GM.T0007348	1	12
SS.GM.T0007369	3	12
SS.GM.T0007370	1	12
SS.GM.T0007375	1	12
SS.GM.T0007391	2	12
SS.GM.T0007425	1	12
SS.GM.T0007426	1	12
SS.GM.T0007434	1	12
SS.GM.T0007474	1	12
SS.GM.T0007475	1	12

Table G-1: Revised High Frequency Cleaning Program

SS.GM.T0000928	4	12
SS.GM.T0000929	3	12
SS.GM.T0000952	1	12
SS.GM.T0000972	2	12
SS.GM.T0000975	1	12
SS.GM.T0001077	2	12
SS.GM.T0001082	1	12
SS.GM.T0001084	1	12
SS.GM.T0001090	2	12
SS.GM.T0001101	1	12
SS.GM.T0001132	1	12
SS.GM.T0001150	2	12
SS.GM.T0001161	1	12
SS.GM.T0001165	1	12
SS.GM.T0001186	2	12
SS.GM.T0001236	1	12
SS.GM.T0001237	1	12
SS.GM.T0001257	2	12
SS.GM.T0001258	2	12
SS.GM.T0001300	2	12
SS.GM.T0001305	2	12
SS.GM.T0001307	2	12
SS.GM.T0001308	1	12
SS.GM.T0001309	2	12
SS.GM.T0001326	2	12
SS.GM.T0001329	2	12
SS.GM.T0001331	2	12
SS.GM.T0001336	2	12
SS.GM.T0001339	1	12
SS.GM.T0001348	2	12
SS.GM.T0001357	1	12
SS.GM.T0001381	2	12
SS.GM.T0001385	1	12
SS.GM.T0001386	1	12
SS.GM.T0001389	1	12
SS.GM.T0001390	1	12
SS.GM.T0001391	1	12
SS.GM.T0001456	1	12
SS.GM.T0001466	1	12
SS.GM.T0001489	2	12
SS.GM.T0001497	1	12
SS.GM.T0001627	1	12
SS.GM.T0001628	1	12
SS.GM.T0001629	2	12
SS.GM.T0001637	1	12
SS.GM.T0001638	1	12
SS.GM.T0001672	1	12
SS.GM.T0001673	2	12
SS.GM.T0001678	1	12
SS.GM.T0001703	1	12
SS.GM.T0001723	1	12
SS.GM.T0001724	1	12
SS.GM.T0001750	1	12
SS.GM.T0001751	1	12
SS.GM.T0001752	1	12

SS.GM.T0007482	1	12
SS.GM.T0007486	3	12
SS.GM.T0007487	2	12
SS.GM.T0007496	2	12
SS.GM.T0007502	3	12
SS.GM.T0007530	2	12
SS.GM.T0007531	2	12
SS.GM.T0007550	1	12
SS.GM.T0007556	2	12
SS.GM.T0007557	2	12
SS.GM.T0007589	1	12
SS.GM.T0007590	2	12
SS.GM.T0007591	1	12
SS.GM.T0007596	1	12
SS.GM.T0007597	2	12
SS.GM.T0007598	1	12
SS.GM.T0007599	2	12
SS.GM.T0007600	2	12
SS.GM.T0007601	2	12
SS.GM.T0007602	3	12
SS.GM.T0007609	2	12
SS.GM.T0007622	1	12
SS.GM.T0007641	1	12
SS.GM.T0007642	2	12
SS.GM.T0007643	2	12
SS.GM.T0007647	1	12
SS.GM.T0007648	1	12
SS.GM.T0007662	2	12
SS.GM.T0007666	2	12
SS.GM.T0007667	2	12
SS.GM.T0007668	3	12
SS.GM.T0007677	1	12
SS.GM.T0007684	2	12
SS.GM.T0007702	1	12
SS.GM.T0007735	2	12
SS.GM.T0007736	2	12
SS.GM.T0007749	1	12
SS.GM.T0007750	1	12
SS.GM.T0007759	1	12
SS.GM.T0007760	1	12
SS.GM.T0007766	1	12
SS.GM.T0007770	1	12
SS.GM.T0007775	1	12
SS.GM.T0007776	1	12
SS.GM.T0007777	1	12
SS.GM.T0007783	1	12
SS.GM.T0007797	1	12
SS.GM.T0007837	1	12
SS.GM.T0007838	1	12
SS.GM.T0007862	2	12
SS.GM.T0007863	2	12
SS.GM.T0007864	2	12
SS.GM.T0007868	3	12
SS.GM.T0007878	2	12
SS.GM.T0007882	2	12

Table G-1: Revised High Frequency Cleaning Program

SS.GM.T0001753	1	12
SS.GM.T0001757	1	12
SS.GM.T0001774	1	12
SS.GM.T0001778	2	12
SS.GM.T0001834	2	12
SS.GM.T0001838	1	12
SS.GM.T0001839	2	12
SS.GM.T0001841	1	12
SS.GM.T0001842	3	12
SS.GM.T0001843	2	12
SS.GM.T0001844	2	12
SS.GM.T0001855	2	12
SS.GM.T0001856	1	12
SS.GM.T0001896	1	12
SS.GM.T0001898	2	12
SS.GM.T0001899	2	12
SS.GM.T0001906	1	12
SS.GM.T0001907	1	12
SS.GM.T0002003	1	12
SS.GM.T0002006	2	12
SS.GM.T0002027	1	12
SS.GM.T0002028	1	12
SS.GM.T0002051	2	12
SS.GM.T0002059	1	12
SS.GM.T0002066	2	12
SS.GM.T0002067	2	12
SS.GM.T0002103	1	12
SS.GM.T0002104	1	12
SS.GM.T0002149	2	12
SS.GM.T0002168	3	12
SS.GM.T0002169	1	12
SS.GM.T0002172	2	12
SS.GM.T0002174	1	12
SS.GM.T0002177	1	12
SS.GM.T0002178	1	12
SS.GM.T0002180	1	12
SS.GM.T0002204	2	12
SS.GM.T0002268	2	12
SS.GM.T0002269	2	12
SS.GM.T0002279	2	12
SS.GM.T0002280	2	12
SS.GM.T0002391	2	12
SS.GM.T0002406	2	12
SS.GM.T0002407	2	12
SS.GM.T0002411	2	12
SS.GM.T0002412	2	12
SS.GM.T0002413	2	12
SS.GM.T0002491	1	12
SS.GM.T0002492	1	12
SS.GM.T0002495	1	12
SS.GM.T0002521	1	12
SS.GM.T0002527	2	12
SS.GM.T0002528	2	12
SS.GM.T0002530	2	12
SS.GM.T0002531	2	12

SS.GM.T0007885	1	12
SS.GM.T0007920	2	12
SS.GM.T0007923	1	12
SS.GM.T0007942	1	12
SS.GM.T0007943	1	12
SS.GM.T0007961	1	12
SS.GM.T0007968	1	12
SS.GM.T0007975	2	12
SS.GM.T0007978	2	12
SS.GM.T0007982	3	12
SS.GM.T0007983	5	12
SS.GM.T0007985	1	12
SS.GM.T0007996	2	12
SS.GM.T0008017	1	12
SS.GM.T0008026	2	12
SS.GM.T0008032	2	12
SS.GM.T0008036	2	12
SS.GM.T0008037	2	12
SS.GM.T0008048	2	12
SS.GM.T0008049	2	12
SS.GM.T0008050	2	12
SS.GM.T0008057	1	12
SS.GM.T0008074	1	12
SS.GM.T0008076	1	12
SS.GM.T0008077	1	12
SS.GM.T0008078	1	12
SS.GM.T0008085	1	12
SS.GM.T0008086	2	12
SS.GM.T0008089	3	12
SS.GM.T0008091	1	12
SS.GM.T0008093	1	12
SS.GM.T0008098	1	12
SS.GM.T0008099	1	12
SS.GM.T0008100	1	12
SS.GM.T0008101	2	12
SS.GM.T0008102	2	12
SS.GM.T0008105	2	12
SS.GM.T0008145	1	12
SS.GM.T0008148	3	12
SS.GM.T0008149	2	12
SS.GM.T0008158	1	12
SS.GM.T0008159	1	12
SS.GM.T0008180	4	12
SS.GM.T0008183	2	12
SS.GM.T0008187	1	12
SS.GM.T0008226	2	12
SS.GM.T0008230	2	12
SS.GM.T0008233	1	12
SS.GM.T0008236	2	12
SS.GM.T0008239	1	12
SS.GM.T0008265	2	12
SS.GM.T0008269	1	12
SS.GM.T0008270	2	12
SS.GM.T0008294	2	12
SS.GM.T0008296	1	12

Table G-1: Revised High Frequency Cleaning Program

SS.GM.T0002532	2	12
SS.GM.T0002546	1	12
SS.GM.T0002548	2	12
SS.GM.T0002566	2	12
SS.GM.T0002570	2	12
SS.GM.T0002573	2	12
SS.GM.T0002574	2	12
SS.GM.T0002624	1	12
SS.GM.T0002629	1	12
SS.GM.T0002655	2	12
SS.GM.T0002661	2	12
SS.GM.T0002663	2	12
SS.GM.T0002669	2	12
SS.GM.T0002670	1	12
SS.GM.T0002719	1	12
SS.GM.T0002740	1	12
SS.GM.T0002783	2	12
SS.GM.T0002784	2	12
SS.GM.T0002790	1	12
SS.GM.T0002792	1	12
SS.GM.T0002793	1	12
SS.GM.T0002794	1	12
SS.GM.T0002804	2	12
SS.GM.T0002822	1	12
SS.GM.T0002826	1	12
SS.GM.T0002834	2	12
SS.GM.T0002835	2	12
SS.GM.T0002902	2	12
SS.GM.T0002914	2	12
SS.GM.T0002916	3	12
SS.GM.T0002954	1	12
SS.GM.T0002965	1	12
SS.GM.T0002969	2	12
SS.GM.T0002970	1	12
SS.GM.T0002979	1	12
SS.GM.T0002985	1	12
SS.GM.T0002988	2	12
SS.GM.T0002996	1	12
SS.GM.T0002999	2	12
SS.GM.T0003000	3	12
SS.GM.T0003007	2	12
SS.GM.T0003021	2	12
SS.GM.T0003029	2	12
SS.GM.T0003030	2	12
SS.GM.T0003037	1	12
SS.GM.T0003040	1	12
SS.GM.T0003041	2	12
SS.GM.T0003050	2	12
SS.GM.T0003051	2	12
SS.GM.T0003052	2	12
SS.GM.T0003053	3	12
SS.GM.T0003054	1	12
SS.GM.T0003063	1	12
SS.GM.T0003075	1	12
SS.GM.T0003076	1	12

SS.GM.T0008314	2	12
SS.GM.T0008316	3	12
SS.GM.T0008317	2	12
SS.GM.T0008324	2	12
SS.GM.T0008347	1	12
SS.GM.T0008348	1	12
SS.GM.T0008349	1	12
SS.GM.T0008360	2	12
SS.GM.T0008361	4	12
SS.GM.T0008362	1	12
SS.GM.T0008370	3	12
SS.GM.T0008371	3	12
SS.GM.T0008373	2	12
SS.GM.T0008381	3	12
SS.GM.T0008382	3	12
SS.GM.T0008393	2	12
SS.GM.T0008394	2	12
SS.GM.T0008395	2	12
SS.GM.T0008396	2	12
SS.GM.T0008399	2	12
SS.GM.T0008400	2	12
SS.GM.T0008401	1	12
SS.GM.T0008418	1	12
SS.GM.T0008419	1	12
SS.GM.T0008420	2	12
SS.GM.T0008449	1	12
SS.GM.T0008472	2	12
SS.GM.T0008481	1	12
SS.GM.T0008484	1	12
SS.GM.T0008490	1	12
SS.GM.T0008492	1	12
SS.GM.T0008494	4	12
SS.GM.T0008500	4	12
SS.GM.T0008511	3	12
SS.GM.T0008512	2	12
SS.GM.T0008543	1	12
SS.GM.T0008544	2	12
SS.GM.T0008547	1	12
SS.GM.T0008553	2	12
SS.GM.T0008568	1	12
SS.GM.T0008569	1	12
SS.GM.T0008571	1	12
SS.GM.T0008580	1	12
SS.GM.T0008582	2	12
SS.GM.T0008587	2	12
SS.GM.T0008589	2	12
SS.GM.T0008595	1	12
SS.GM.T0008613	1	12
SS.GM.T0008614	1	12
SS.GM.T0008615	2	12
SS.GM.T0008625	1	12
SS.GM.T0008631	2	12
SS.GM.T0008654	2	12
SS.GM.T0008668	2	12
SS.GM.T0008689	1	12

Table G-1: Revised High Frequency Cleaning Program

SS.GM.T0003088	2	12
SS.GM.T0003099	2	12
SS.GM.T0003108	2	12
SS.GM.T0003146	2	12
SS.GM.T0003166	1	12
SS.GM.T0003176	2	12
SS.GM.T0003203	5	12
SS.GM.T0003211	2	12
SS.GM.T0003214	4	12
SS.GM.T0003229	2	12
SS.GM.T0003232	1	12
SS.GM.T0003236	2	12
SS.GM.T0003241	3	12
SS.GM.T0003293	2	12
SS.GM.T0003294	2	12
SS.GM.T0003304	4	12
SS.GM.T0003312	1	12
SS.GM.T0003315	3	12
SS.GM.T0003362	2	12
SS.GM.T0003373	2	12
SS.GM.T0003375	1	12
SS.GM.T0003376	1	12
SS.GM.T0003377	1	12
SS.GM.T0003399	1	12
SS.GM.T0003405	2	12
SS.GM.T0003413	3	12
SS.GM.T0003419	1	12
SS.GM.T0003456	1	12
SS.GM.T0003477	1	12
SS.GM.T0003478	1	12
SS.GM.T0003479	1	12
SS.GM.T0003531	2	12
SS.GM.T0003544	1	12
SS.GM.T0003571	1	12
SS.GM.T0003585	2	12
SS.GM.T0003586	1	12
SS.GM.T0003617	2	12
SS.GM.T0003621	2	12
SS.GM.T0003623	1	12
SS.GM.T0003642	1	12
SS.GM.T0003671	1	12
SS.GM.T0003715	1	12
SS.GM.T0003717	1	12
SS.GM.T0003718	1	12
SS.GM.T0003722	1	12
SS.GM.T0003734	1	12
SS.GM.T0003771	1	12
SS.GM.T0003785	1	12
SS.GM.T0003786	3	12
SS.GM.T0003819	1	12
SS.GM.T0003824	1	12
SS.GM.T0003827	2	12
SS.GM.T0003828	1	12
SS.GM.T0003851	5	12
SS.GM.T0003852	1	12

SS.GM.T0008690	1	12
SS.GM.T0008691	1	12
SS.GM.T0008692	1	12
SS.GM.T0008693	1	12
SS.GM.T0008698	2	12
SS.GM.T0008699	1	12
SS.GM.T0008706	2	12
SS.GM.T0008714	2	12
SS.GM.T0008715	2	12
SS.GM.T0008720	1	12
SS.GM.T0008740	2	12
SS.GM.T0008750	2	12
SS.GM.T0008763	1	12
SS.GM.T0008770	2	12
SS.GM.T0008771	2	12
SS.GM.T0008773	2	12
SS.GM.T0008776	2	12
SS.GM.T0008783	3	12
SS.GM.T0008784	2	12
SS.GM.T0008785	4	12
SS.GM.T0008786	2	12
SS.GM.T0008792	1	12
SS.GM.T0008793	1	12
SS.GM.T0008795	1	12
SS.GM.T0008796	1	12
SS.GM.T0008797	1	12
SS.GM.T0008798	2	12
SS.GM.T0008801	1	12
SS.GM.T0008825	2	12
SS.GM.T0008850	4	12
SS.GM.T0008851	2	12
SS.GM.T0008855	1	12
SS.GM.T0008857	2	12
SS.GM.T0008862	1	12
SS.GM.T0008866	2	12
SS.GM.T0008884	1	12
SS.GM.T0008885	1	12
SS.GM.T0008887	1	12
SS.GM.T0008911	1	12
SS.GM.T0008914	1	12
SS.GM.T0008917	1	12
SS.GM.T0008918	1	12
SS.GM.T0008928	1	12
SS.GM.T0008943	1	12
SS.GM.T0008970	1	12
SS.GM.T0008974	2	12
SS.GM.T0008991	1	12
SS.GM.T0008992	2	12
SS.GM.T0008993	1	12
SS.GM.T0009006	2	12
SS.GM.T0009010	4	12
SS.GM.T0009011	4	12
SS.GM.T0009012	4	12
SS.GM.T0009013	4	12
SS.GM.T0009014	5	12

Table G-1: Revised High Frequency Cleaning Program

SS.GM.T0003855	2	12
SS.GM.T0003865	2	12
SS.GM.T0003872	1	12
SS.GM.T0003878	2	12
SS.GM.T0003880	1	12
SS.GM.T0003881	3	12
SS.GM.T0003882	3	12
SS.GM.T0003883	2	12
SS.GM.T0003887	3	12
SS.GM.T0003904	2	12
SS.GM.T0003905	1	12
SS.GM.T0003906	1	12
SS.GM.T0003907	1	12
SS.GM.T0003912	1	12
SS.GM.T0003917	1	12
SS.GM.T0003918	1	12
SS.GM.T0003929	6	12
SS.GM.T0003936	2	12
SS.GM.T0003940	1	12
SS.GM.T0003951	1	12
SS.GM.T0003952	1	12
SS.GM.T0003965	1	12
SS.GM.T0003969	1	12
SS.GM.T0003986	1	12
SS.GM.T0003987	1	12
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SS.GM.T0004010	1	12
SS.GM.T0004017	1	12
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SS.GM.T0004029	1	12
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SS.GM.T0004035	2	12
SS.GM.T0004041	3	12
SS.GM.T0004060	2	12
SS.GM.T0004062	1	12
SS.GM.T0004074	2	12
SS.GM.T0004079	1	12
SS.GM.T0004090	2	12
SS.GM.T0004115	1	12
SS.GM.T0004123	2	12
SS.GM.T0004181	1	12
SS.GM.T0004182	4	12
SS.GM.T0004185	3	12
SS.GM.T0004187	1	12
SS.GM.T0004207	1	12
SS.GM.T0004208	1	12
SS.GM.T0004209	2	12
SS.GM.T0004238	1	12
SS.GM.T0004240	1	12
SS.GM.T0004241	1	12
SS.GM.T0004242	1	12
SS.GM.T0004243	1	12
SS.GM.T0004252	2	12

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SS.GM.T0009023	1	12
SS.GM.T0009024	2	12
SS.GM.T0009032	2	12
SS.GM.T0009033	2	12
SS.GM.T0009045	1	12
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SS.GM.T0009087	2	12
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SS.GM.T0009122	3	12
SS.GM.T0009123	3	12
SS.GM.T0009126	4	12
SS.GM.T0009146	3	12
SS.GM.T0009147	3	12
SS.GM.T0009158	2	12
SS.GM.T0009165	1	12
SS.GM.T0009214	2	12
SS.GM.T0009222	1	12
SS.GM.T0009224	2	12
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SS.GM.T0009231	2	12
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SS.GM.T0009293	2	12
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SS.GM.T0009468	2	12
SS.GM.T0009470	2	12
SS.GM.T0009471	2	12
SS.GM.T0009472	2	12
SS.GM.T0009478	2	12

Table G-1: Revised High Frequency Cleaning Program

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SS.GM.T0004262	1	12
SS.GM.T0004266	2	12
SS.GM.T0004267	2	12
SS.GM.T0004268	2	12
SS.GM.T0004269	2	12
SS.GM.T0004270	2	12
SS.GM.T0004287	1	12
SS.GM.T0004290	1	12
SS.GM.T0004292	1	12
SS.GM.T0004309	3	12
SS.GM.T0004310	5	12
SS.GM.T0004311	5	12
SS.GM.T0004312	4	12
SS.GM.T0004314	3	12
SS.GM.T0004317	1	12
SS.GM.T0004318	2	12
SS.GM.T0004361	2	12
SS.GM.T0004363	1	12
SS.GM.T0004366	1	12
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SS.GM.T0004390	1	12
SS.GM.T0004438	1	12
SS.GM.T0004452	1	12
SS.GM.T0004507	2	12
SS.GM.T0004514	1	12
SS.GM.T0004515	2	12
SS.GM.T0004521	1	12
SS.GM.T0004532	1	12
SS.GM.T0004536	2	12
SS.GM.T0004543	2	12
SS.GM.T0004544	1	12
SS.GM.T0004555	2	12
SS.GM.T0004557	2	12
SS.GM.T0004574	1	12
SS.GM.T0004585	1	12
SS.GM.T0004599	2	12
SS.GM.T0004605	1	12
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SS.GM.T0004635	1	12
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SS.GM.T0004637	2	12
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SS.GM.T0004642	1	12
SS.GM.T0004644	2	12
SS.GM.T0004647	2	12
SS.GM.T0004649	2	12
SS.GM.T0004654	2	12
SS.GM.T0004656	1	12
SS.GM.T0004690	2	12

SS.GM.T0009480	2	12
SS.GM.T0009481	3	12
SS.GM.T0009573	2	12
SS.GM.T0009599	1	12
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SS.GM.T0010717	2	12
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SS.GM.T0010755	1	12
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SS.GM.T0010758	2	12
SS.GM.T0010792	1	12
SS.GM.T0010928	1	12
SS.GM.T0010929	1	12
SS.GM.T0010930	1	12
SS.GM.T0010931	1	12

Table G-1: Revised High Frequency Cleaning Program

SS.GM.T0004692	1	12
SS.GM.T0004721	2	12
SS.GM.T0004722	2	12
SS.GM.T0004742	2	12
SS.GM.T0004743	1	12
SS.GM.T0004758	1	12
SS.GM.T0004763	2	12
SS.GM.T0004764	2	12
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SS.GM.T0004772	1	12
SS.GM.T0004802	1	12
SS.GM.T0004805	1	12
SS.GM.T0004811	6	12
SS.GM.T0004812	2	12
SS.GM.T0004834	1	12
SS.GM.T0004844	8	12
SS.GM.T0004849	1	12
SS.GM.T0004852	5	12
SS.GM.T0004866	1	12
SS.GM.T0004867	1	12
SS.GM.T0004893	4	12
SS.GM.T0004894	2	12
SS.GM.T0004896	2	12
SS.GM.T0004897	2	12
SS.GM.T0004898	1	12
SS.GM.T0004899	2	12
SS.GM.T0004934	1	12
SS.GM.T0004962	2	12
SS.GM.T0004995	1	12
SS.GM.T0005009	1	12
SS.GM.T0005010	1	12
SS.GM.T0005030	2	12
SS.GM.T0005033	2	12
SS.GM.T0005085	3	12
SS.GM.T0005087	3	12
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SS.GM.T0005148	1	12
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SS.GM.T0005245	1	12
SS.GM.T0005253	2	12
SS.GM.T0005270	2	12
SS.GM.T0005298	2	12
SS.GM.T0005348	2	12
SS.GM.T0005349	3	12
SS.GM.T0005350	2	12
SS.GM.T0005351	1	12

SS.GM.T0010935	1	12
SS.GM.T0011307	1	12
SS.GM.T0011399	1	12
SS.GM.T0011525	4	12
SS.GM.T0011685	2	12
SS.GM.T0011823	2	12
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SS.GM.T0013124	1	12
SS.GM.T0013125	3	12
SS.GM.T0013126	3	12
SS.GM.T0013163	1	12
SS.GM.T0013174	2	12
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SS.GM.T0013196	1	12
SS.GM.T0013200	2	12

Table G-1: Revised High Frequency Cleaning Program

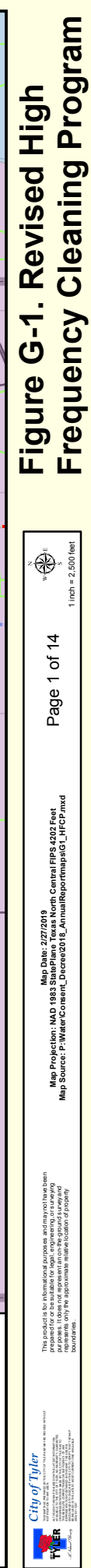
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SS.GM.T0005401	1	12
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SS.GM.T0005769	1	12
SS.GM.T0005771	2	12
SS.GM.T0005790	1	12

SS.GM.T0013208	1	12
SS.GM.T0013211	1	12
SS.GM.T0013280	1	12
SS.GM.T0013281	1	12
SS.GM.T0013283	1	12
SS.GM.T0013284	1	12
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SS.GM.T0013676	1	12
SS.GM.T0013679	1	12
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SS.GM.T0013835	2	12
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SS.GM.T0014106	1	12
SS.GM.T0014108	2	12
SS.GM.T0014136	1	12
SS.GM.T0014155	1	12
SS.GM.T0014157	1	12
SS.GM.T0014158	2	12
SS.GM.T0014186	1	12
SS.GM.T0014192	1	12
SS.GM.T0014211	6	12

Table G-1: Revised High Frequency Cleaning Program

SS.GM.T0005798	3	12
SS.GM.T0005821	1	12
SS.GM.T0005822	2	12
SS.GM.T0005823	1	12
SS.GM.T0005839	1	12

SS.GM.T0014212	6	12
SS.GM.T0014222	1	12
SS.GM.T0014223	1	12
SS.GM.T0014224	1	12

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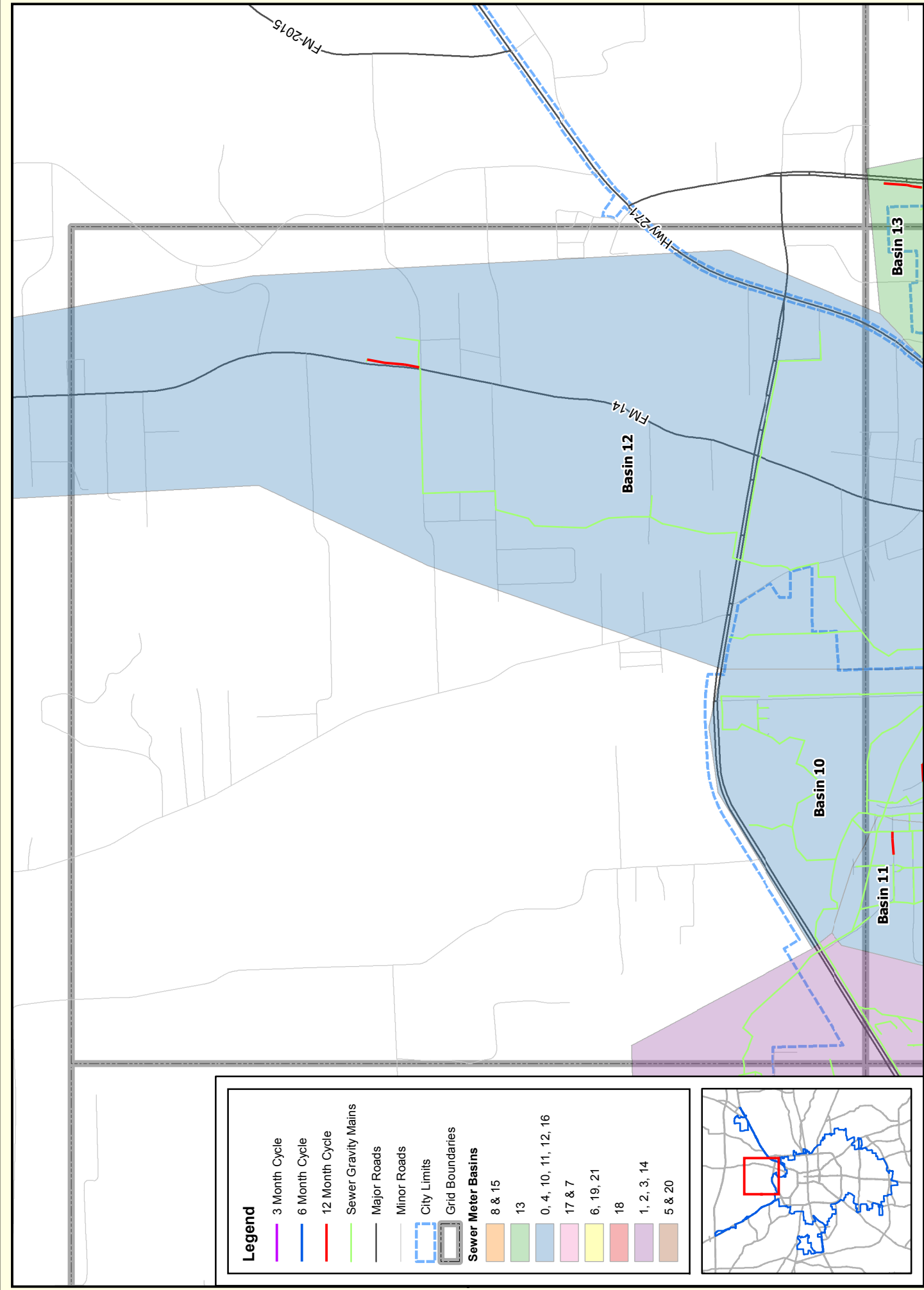
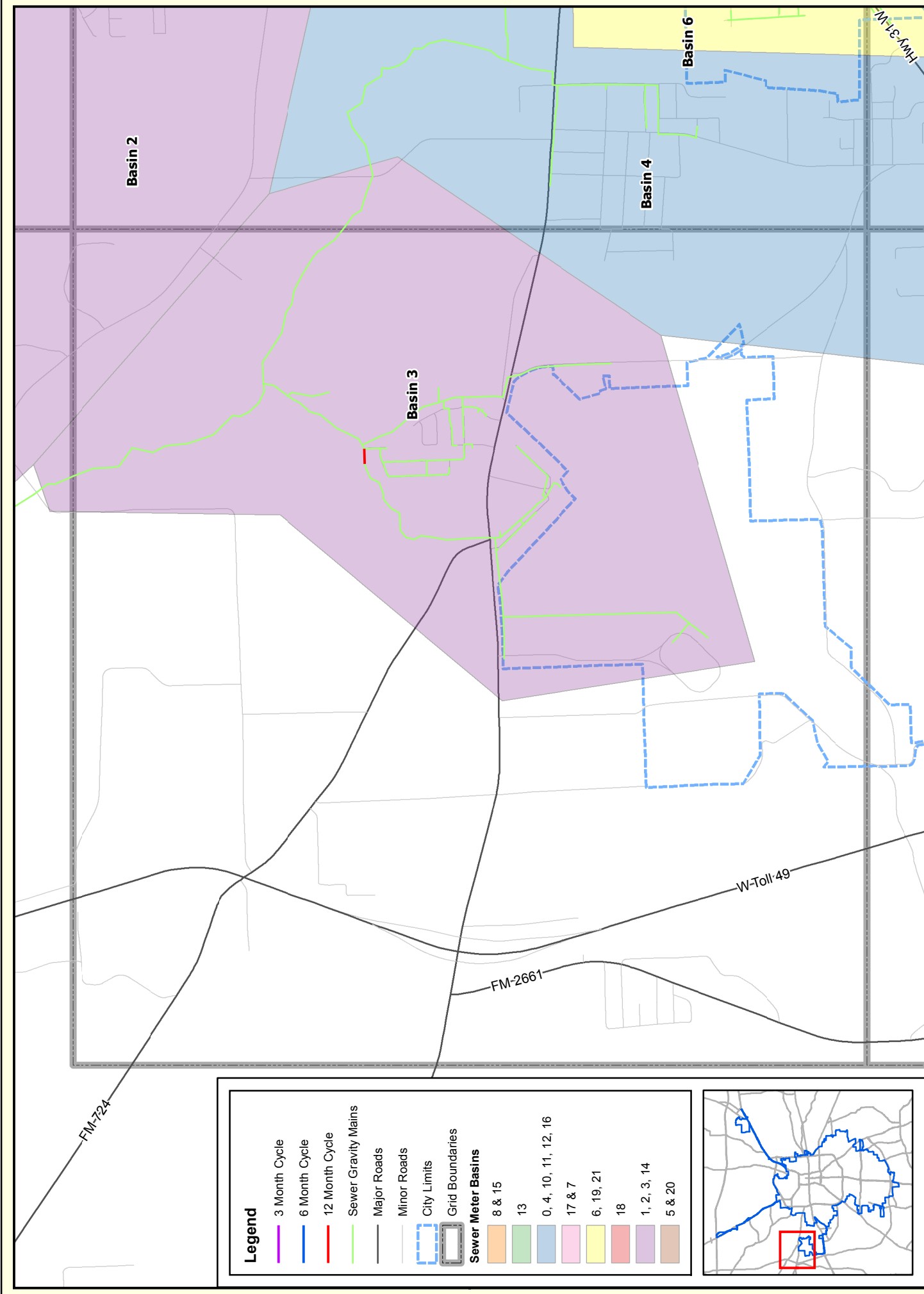
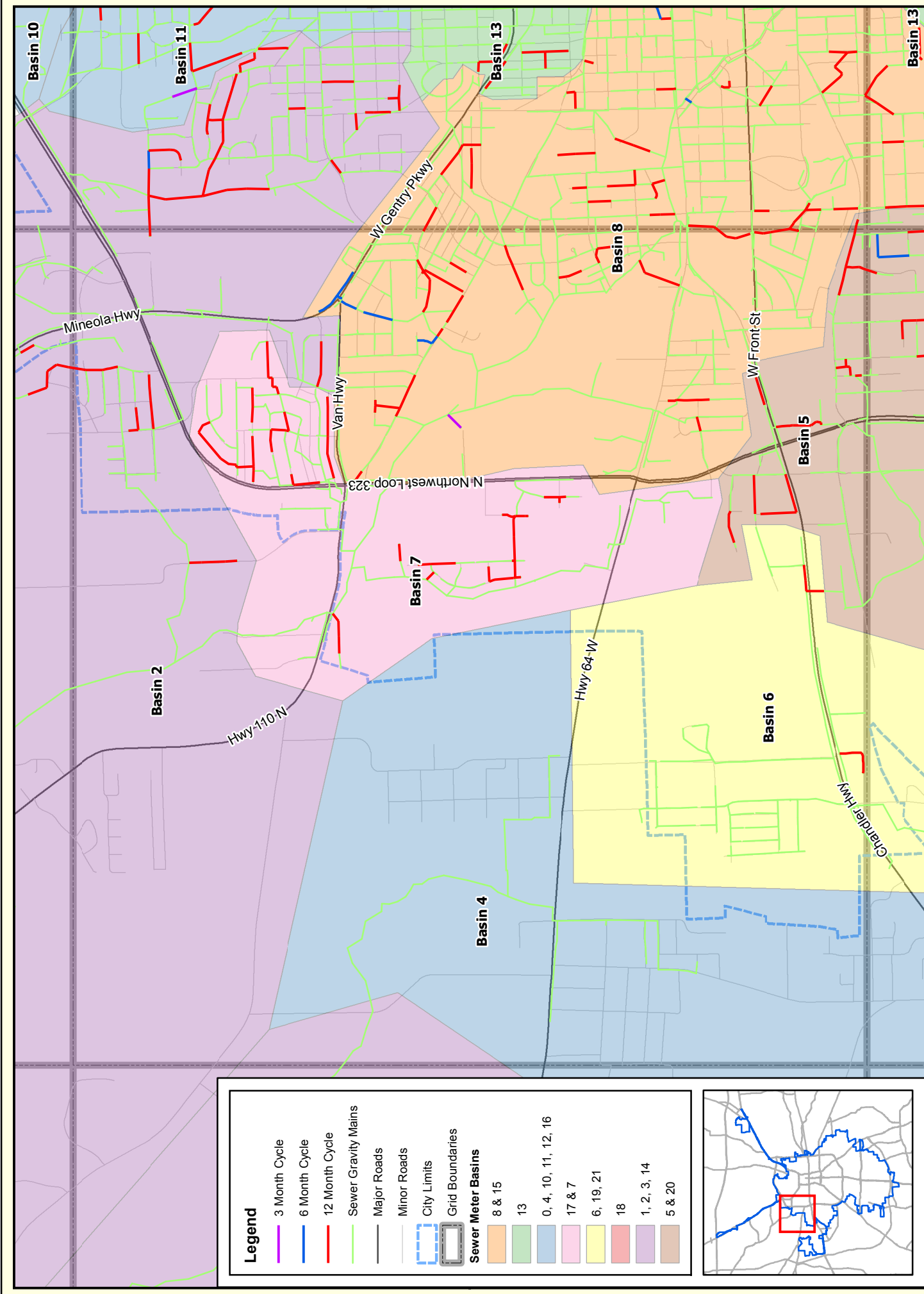
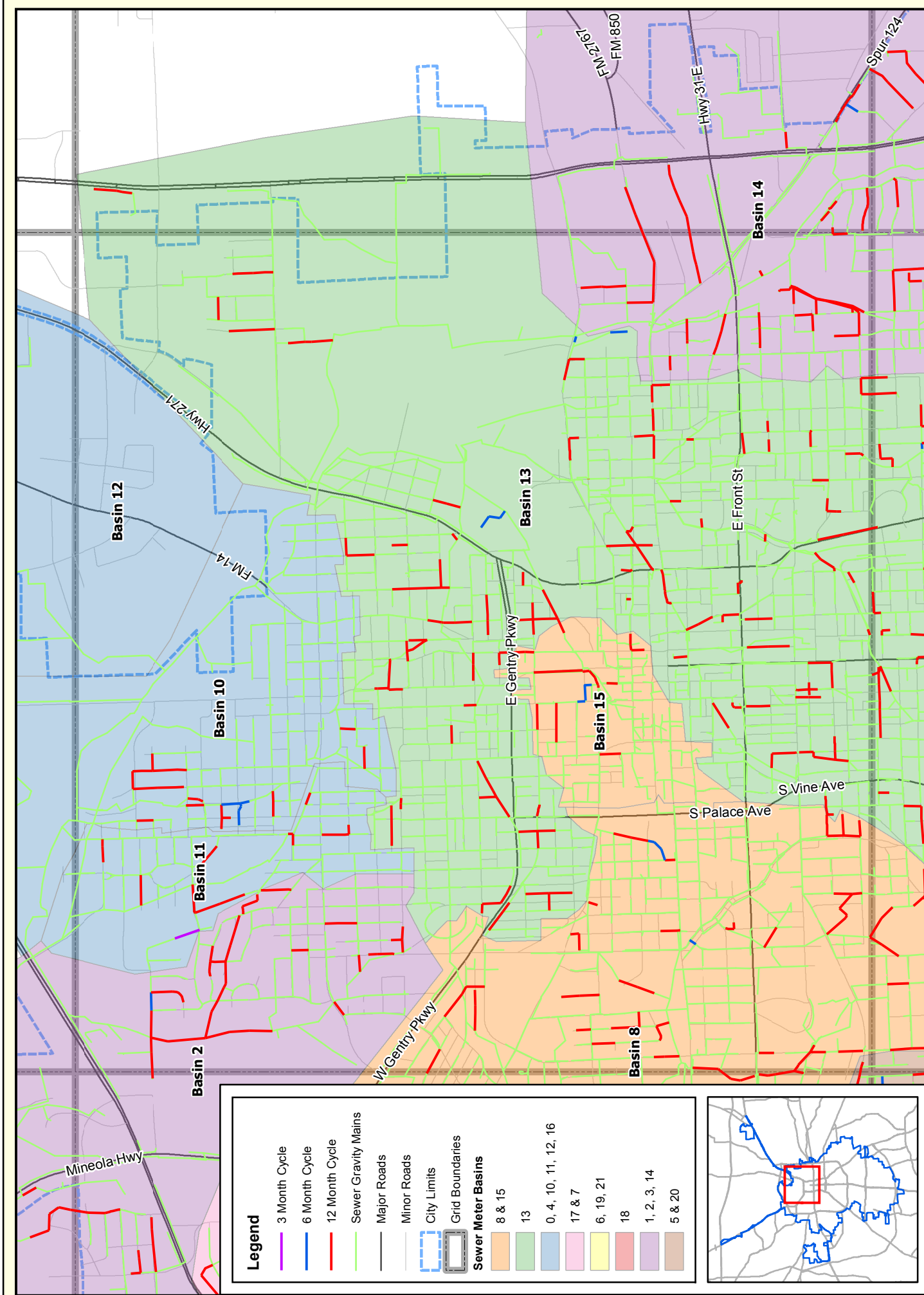
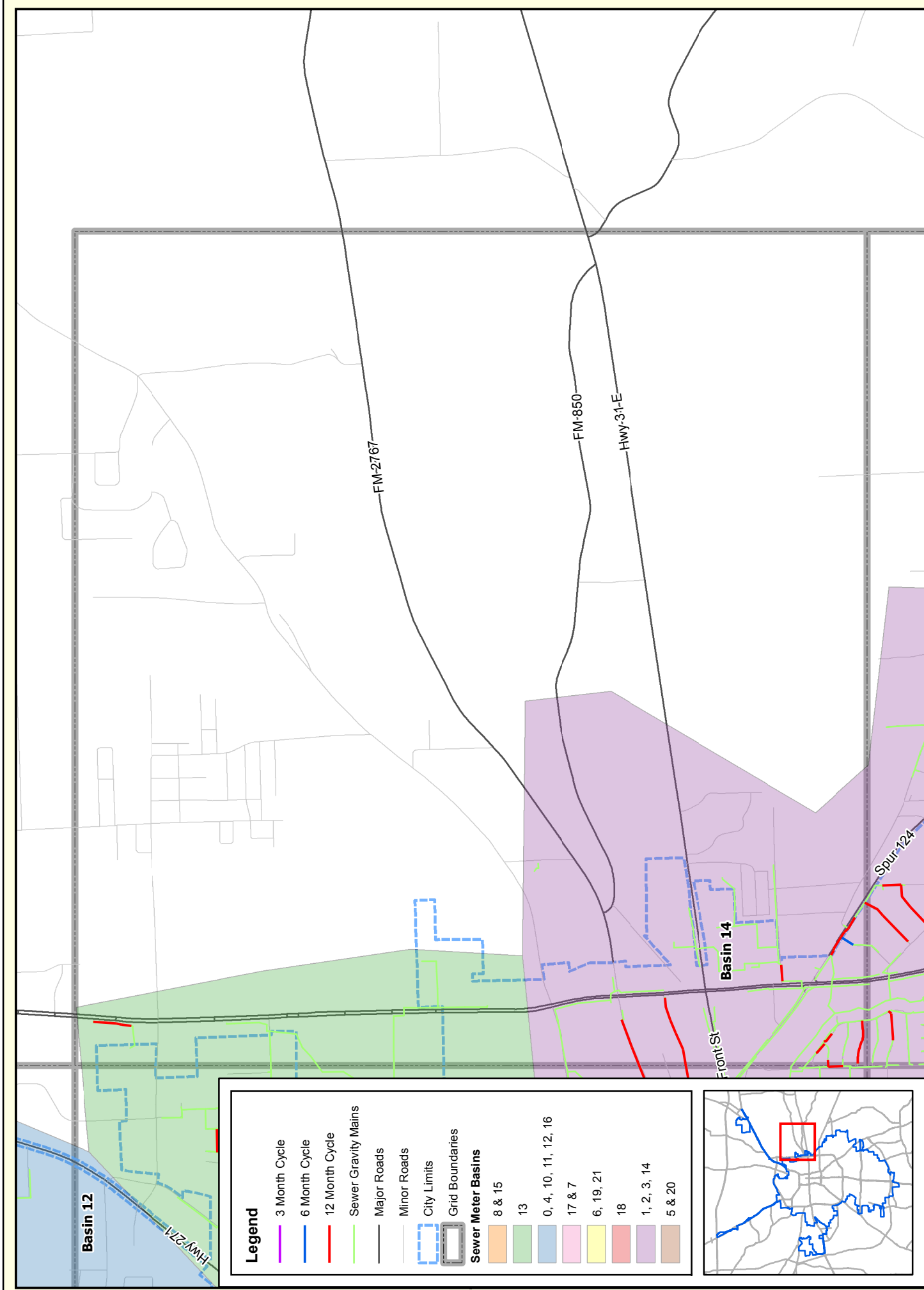


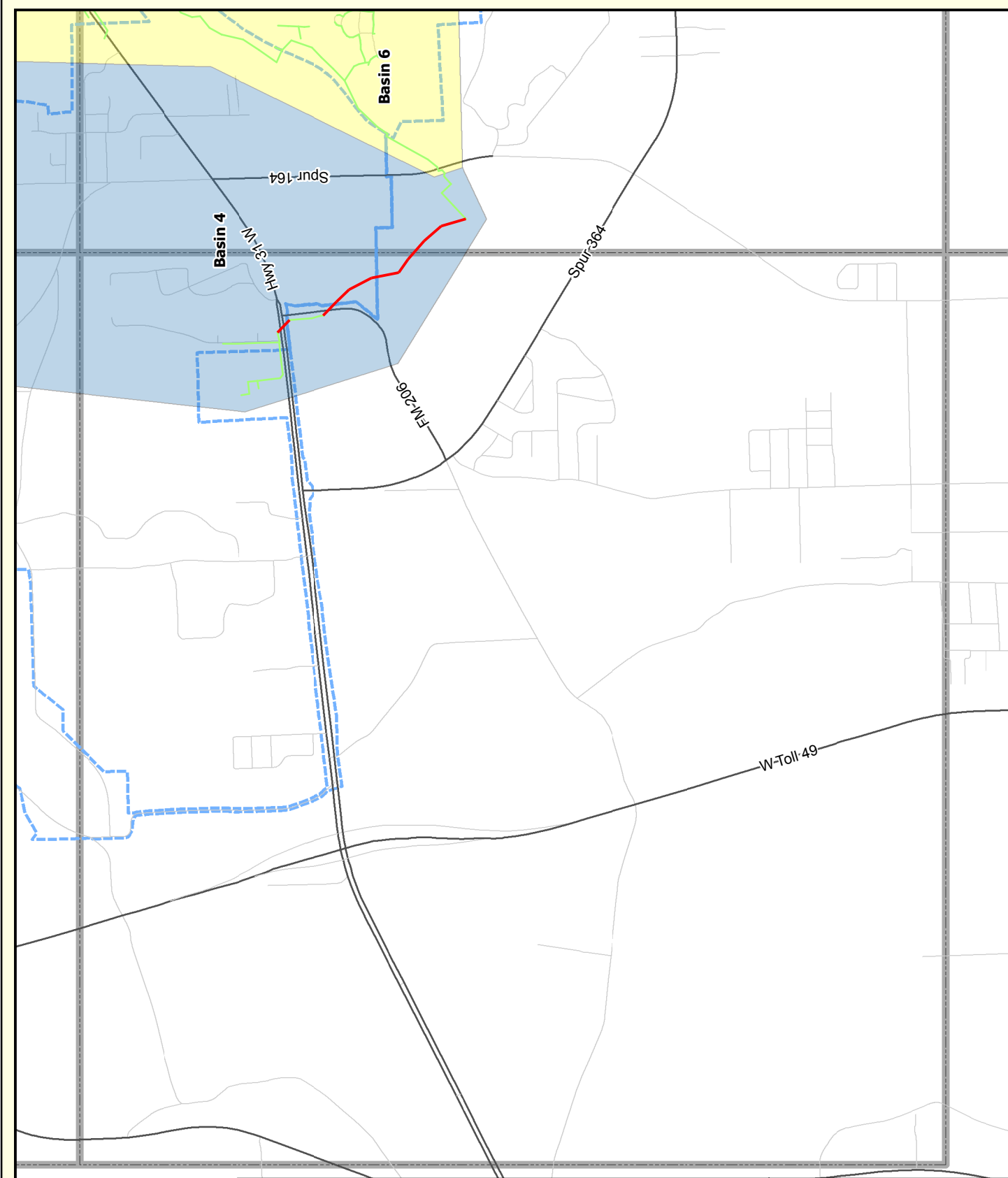
Figure G-1. Revised High Frequency Cleaning Program









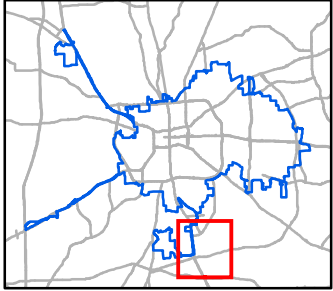


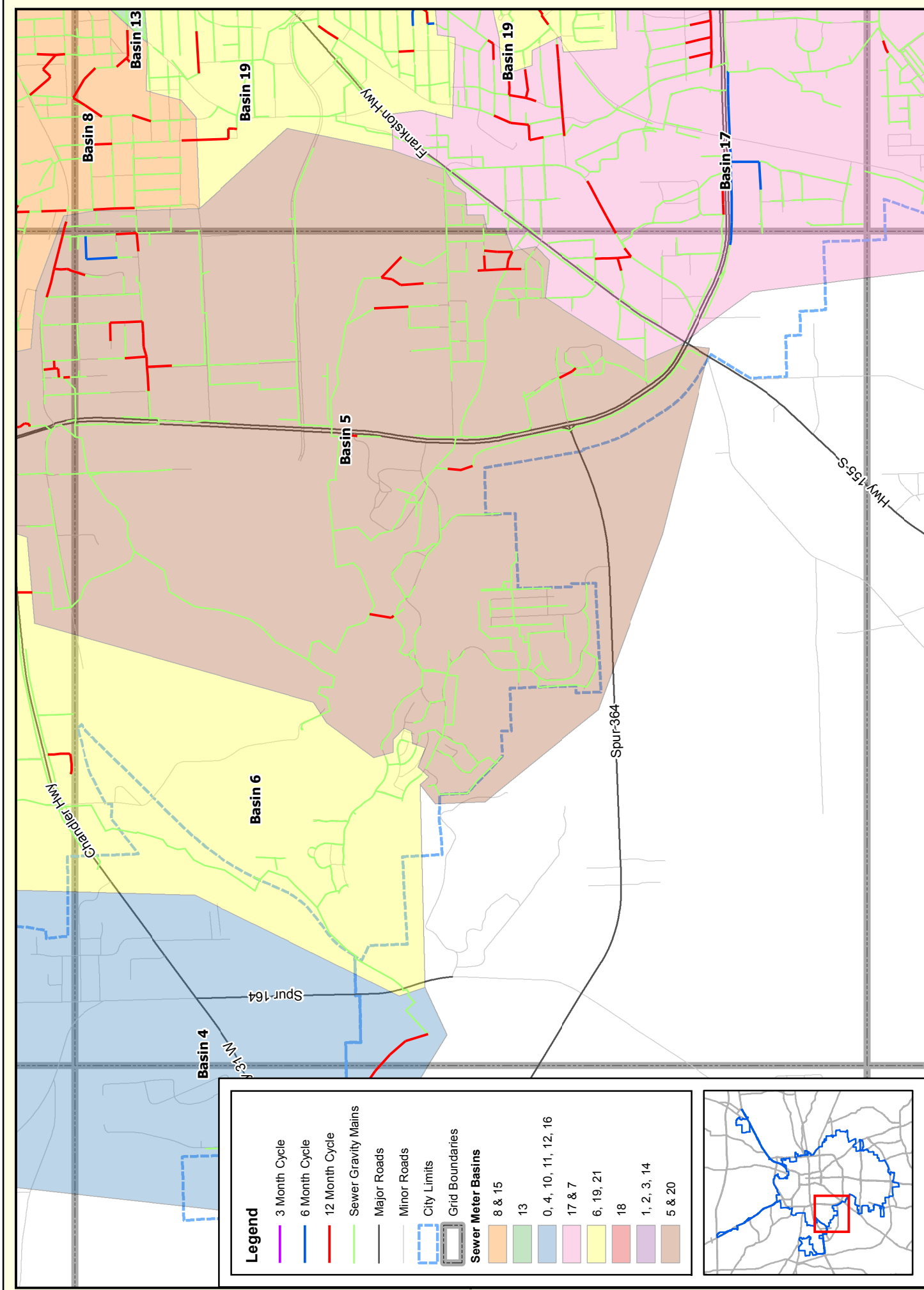
Legend

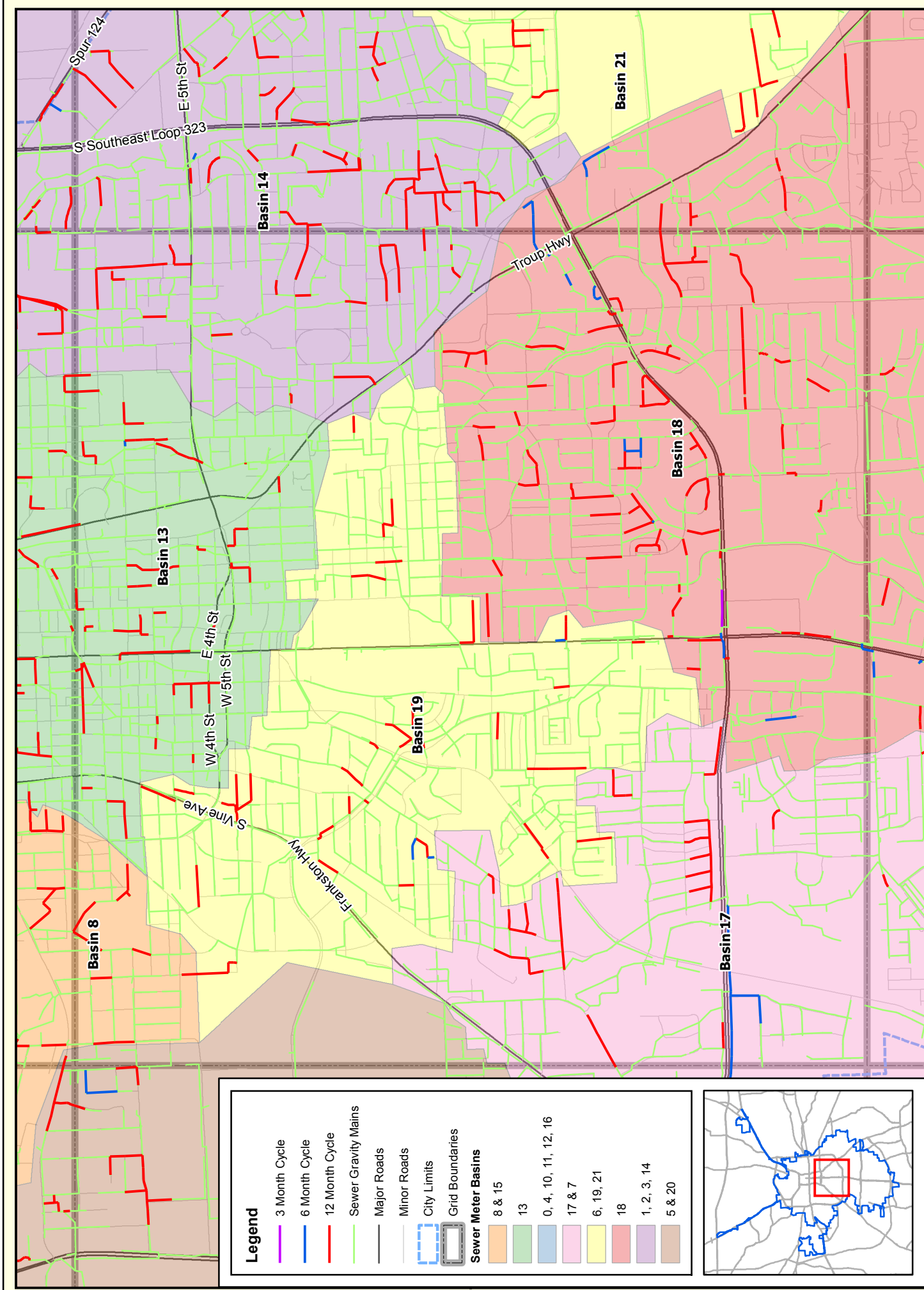
- 3 Month Cycle
- 6 Month Cycle
- 12 Month Cycle
- Sewer Gravity Mains
- Major Roads
- Minor Roads
- City Limits
- Grid Boundaries

Sewer Meter Basins

- 8 & 15
- 13
- 0, 4, 10, 11, 12, 16
- 17 & 7
- 6, 19, 21
- 18
- 1, 2, 3, 14
- 5 & 20







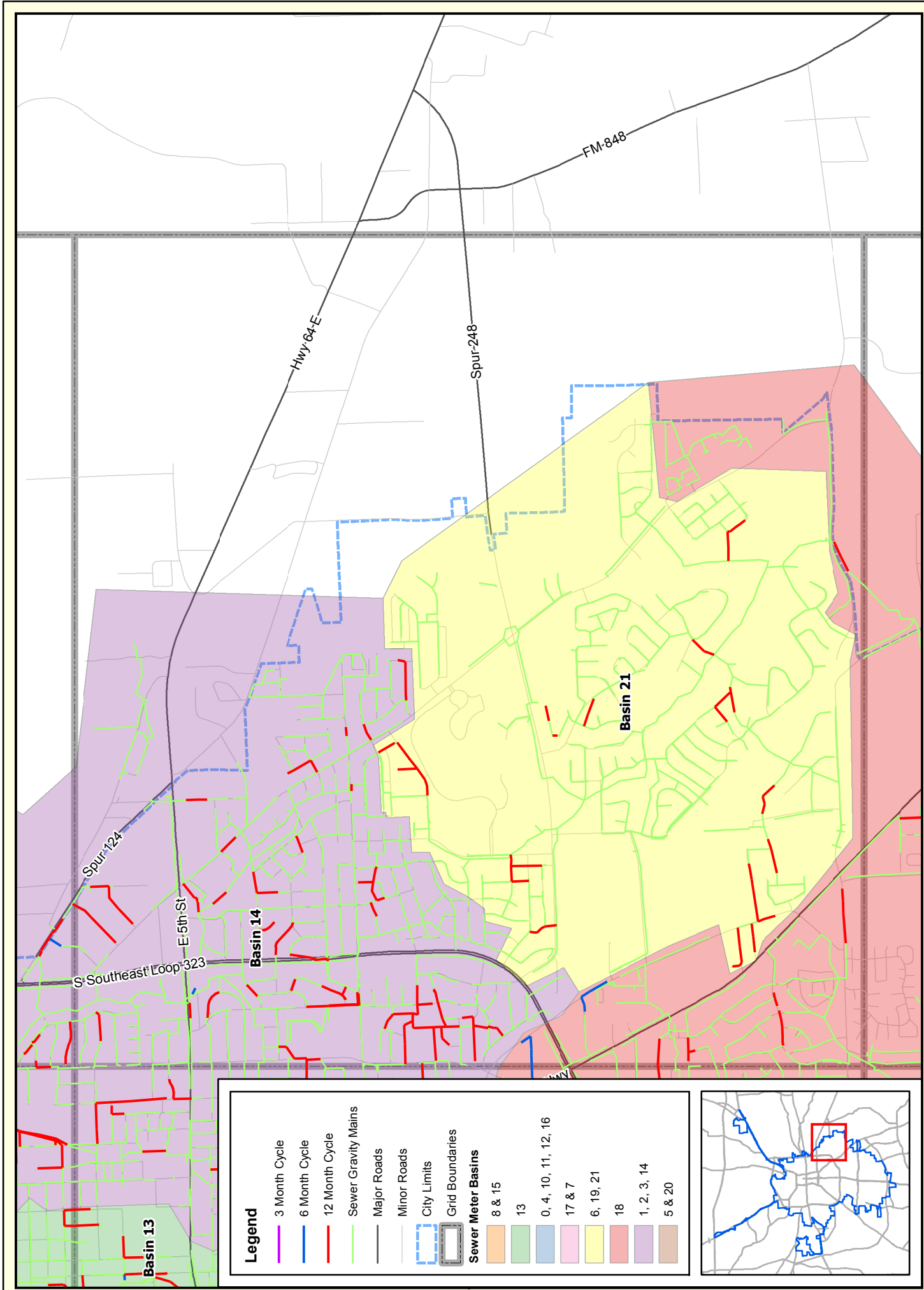
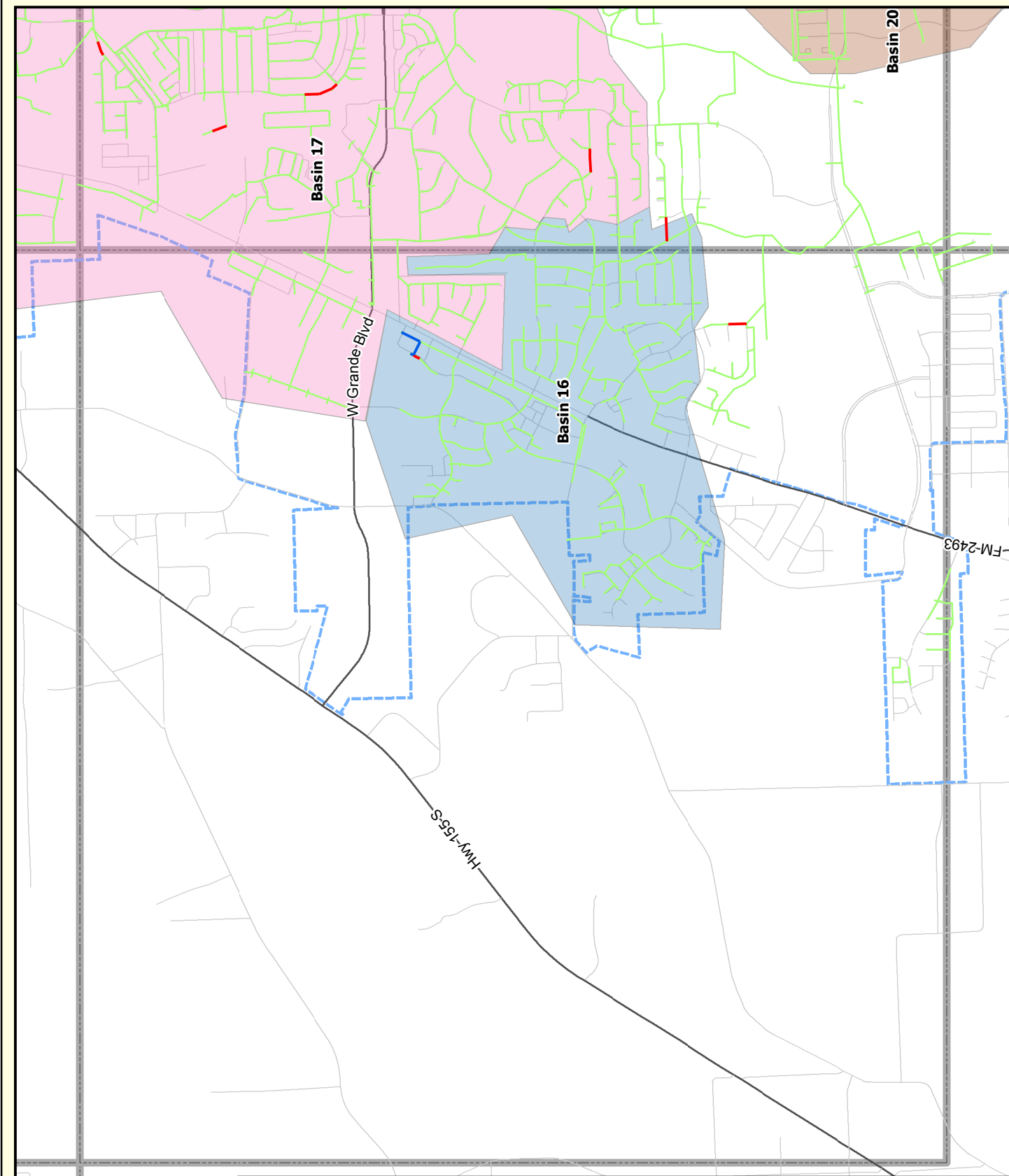


Figure G-1. Revised High Frequency Cleaning Program





Legend

- 3 Month Cycle
- 6 Month Cycle
- 12 Month Cycle
- Sewer Gravity Mains
- Major Roads
- Minor Roads
- City Limits
- Grid Boundaries

Sewer Meter Basins

- 8 & 15
- 13
- 0, 4, 10, 11, 12, 16
- 17 & 7
- 6, 19, 21
- 18
- 1, 2, 3, 14
- 5 & 20

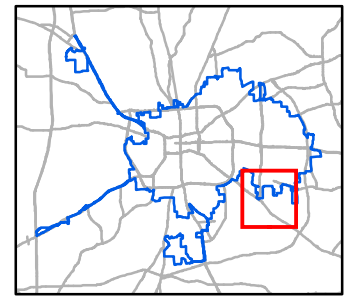


Figure G-1. Revised High Frequency Cleaning Program



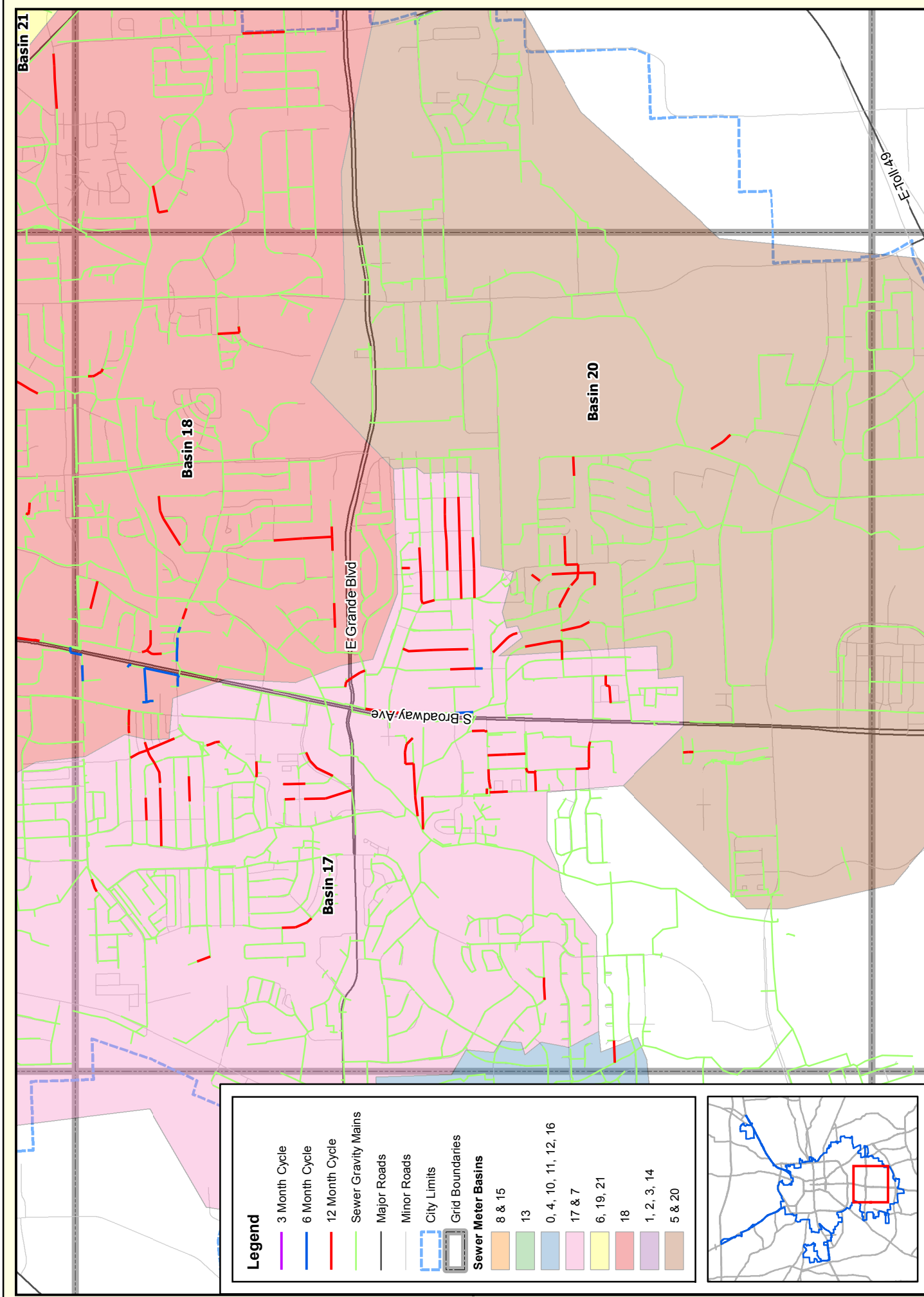


Figure G-1. Revised High Frequency Cleaning Program

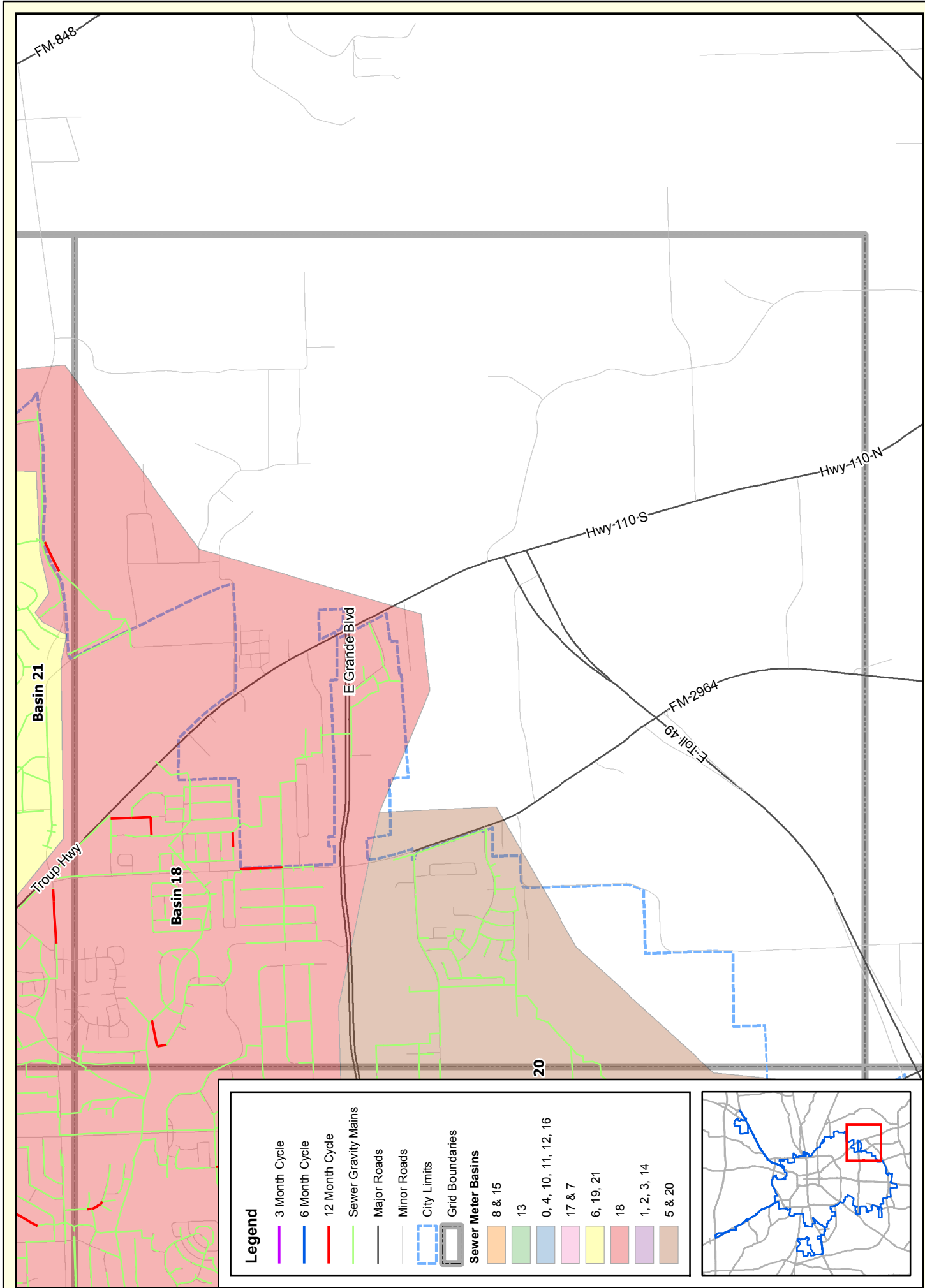
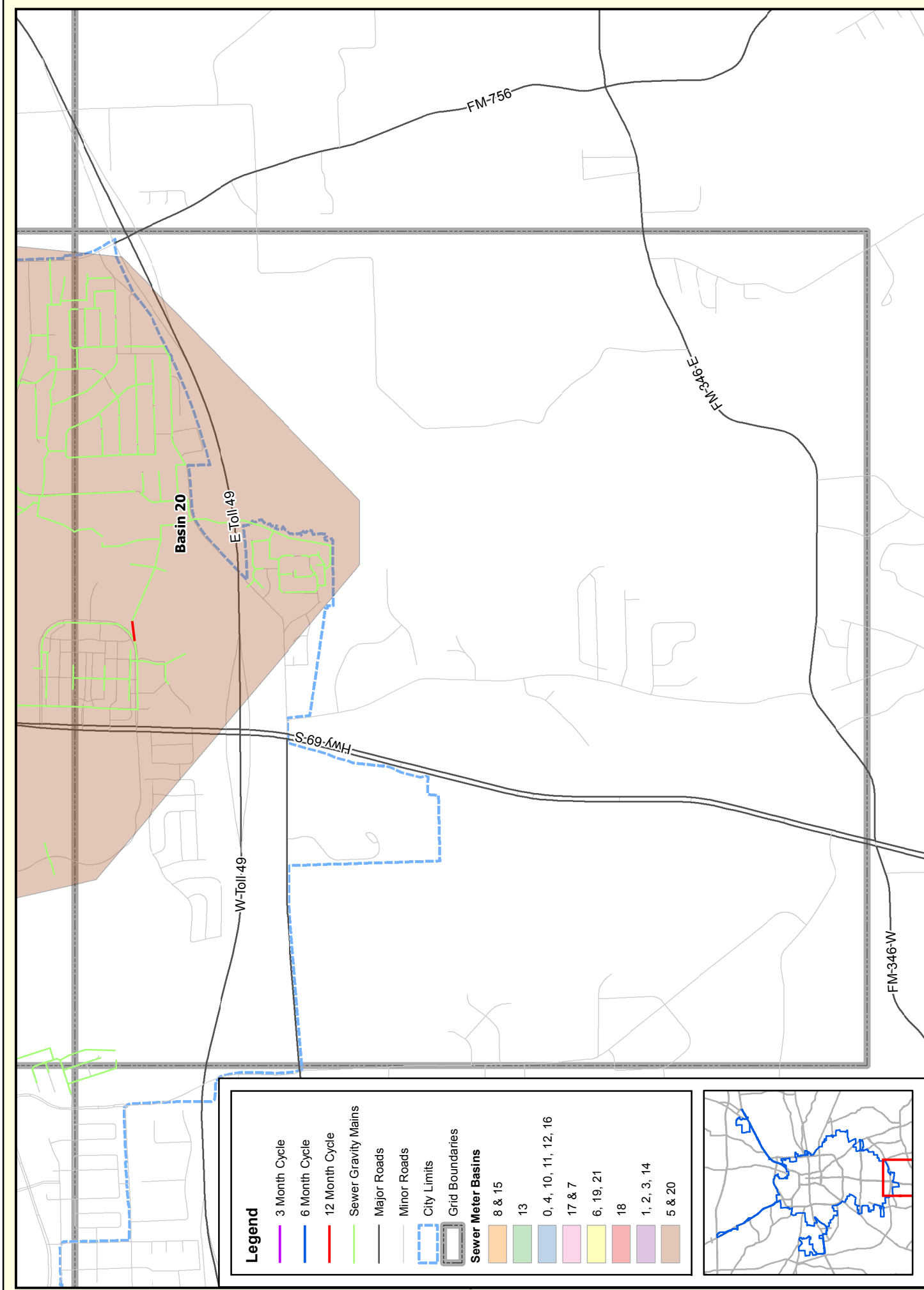


Figure G-1. Revised High Frequency Cleaning Program





Section H. Root Control Program (Paragraph 43):

Total Miles of Gravity Sewer Lines Where Root Control Activities Were Conducted

Reactive and/or proactive root control activities were conducted on 67.30 miles of the wastewater collection system during the 1 January 2018 through 31 December 2018 reporting period.

Sewer Segments Addressed

See below for a listing of the sewer segments – by Asset ID – where root control activities were conducted during the 1 January 2018 through 31 December 2018 reporting period. No segments were previously identified by analysis as referred to under paragraph 40.d.

SS.GM.T0000318	SS.GM.T0000524	SS.GM.T0000678	SS.GM.T0000927
SS.GM.T0000319	SS.GM.T0000536	SS.GM.T0000699	SS.GM.T0000928
SS.GM.T0000320	SS.GM.T0000547	SS.GM.T0000716	SS.GM.T0000929
SS.GM.T0000331	SS.GM.T0000553	SS.GM.T0000720	SS.GM.T0000952
SS.GM.T0000376	SS.GM.T0000557	SS.GM.T0000745	SS.GM.T0000972
SS.GM.T0000384	SS.GM.T0000575	SS.GM.T0000775	SS.GM.T0000974
SS.GM.T0000395	SS.GM.T0000576	SS.GM.T0000792	SS.GM.T0001077
SS.GM.T0000397	SS.GM.T0000580	SS.GM.T0000806	SS.GM.T0001090
SS.GM.T0000420	SS.GM.T0000581	SS.GM.T0000808	SS.GM.T0001101
SS.GM.T0000425	SS.GM.T0000582	SS.GM.T0000813	SS.GM.T0001132
SS.GM.T0000426	SS.GM.T0000584	SS.GM.T0000820	SS.GM.T0001149
SS.GM.T0000432	SS.GM.T0000593	SS.GM.T0000829	SS.GM.T0001150
SS.GM.T0000434	SS.GM.T0000618	SS.GM.T0000840	SS.GM.T0001186
SS.GM.T0000452	SS.GM.T0000620	SS.GM.T0000843	SS.GM.T0001192
SS.GM.T0000472	SS.GM.T0000629	SS.GM.T0000844	SS.GM.T0001196
SS.GM.T0000473	SS.GM.T0000637	SS.GM.T0000846	SS.GM.T0001224
SS.GM.T0000477	SS.GM.T0000663	SS.GM.T0000891	SS.GM.T0001240
SS.GM.T0000484	SS.GM.T0000665	SS.GM.T0000892	SS.GM.T0001241
SS.GM.T0000508	SS.GM.T0000666	SS.GM.T0000893	SS.GM.T0001242
SS.GM.T0000510	SS.GM.T0000667	SS.GM.T0000894	SS.GM.T0001243
SS.GM.T0000522	SS.GM.T0000673	SS.GM.T0000897	SS.GM.T0001257

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SS.GM.T0014160
SS.GM.T0014181
SS.GM.T0014186
SS.GM.T0014192
SS.GM.T0014211
SS.GM.T0014212
SS.GM.T0014220

Means of Root Control

Mechanical root control was used by TWU during the 1 January 2018 through 31 December 2018 reporting period. TWU uses their rodding machines, jetters, and vacuum jetters to cut and remove roots from the sewer mains.

Degree of Chemical vs. Mechanical Means of Root Control

The percentage of each method of root control activity conducted during the 1 January 2018 through 31 December 2018 reporting period is shown in **Table H-1**, below.

Table H-1: Percentage of Root Control Measures Used

Means of Root Control	Miles Treated	Percentage of Total (%)
Chemical	0	0
Mechanical	67.30	100
Total	67.30	100

Section I. Completion of Condition Assessment Activities (Paragraph 60)

Total Miles of Gravity Sewer Lines Assessed

The total miles of gravity sewer lines assessed during the 1 January 2018 through 31 December 2018 reporting period was 94.1 miles.

Total Miles Assessed per Method of Inspection

The total miles assessed per method of inspection during the 1 January 2018 through 31 December 2018 reporting period is shown in **Table I-1**.

Table I-1: Methods of Inspection Used

Method of Assessment	Miles Assessed
CCTV	94.1
Other Methods	0.0
Total	94.1

Total Number of Manholes Assessed

The total number of manholes assessed during this reporting period was 791 manholes.

Rating Scores for Mains and Manholes Assessed

Sewer segments were evaluated using Step 1 – PACP quick rating during CCTV inspection in order to prioritize the analysis. The second step, analysis of inspection data, was undertaken to establish the pipe condition rating (A through E). This information will be used to prepare the Annual Condition Remedial Measures Plan, which will be submitted by 1 July 2019.

See attached **Table I-2** of sewer segments and **Table I-3** of manholes assessed during the 1 January 2018 through 31 December 2018 reporting period, along with their condition ratings.

Maps of Condition Assessment Results

See attached **Figure I-1** depicting the location of assets assessed during the 1 January 2018 through 31 December 2018 reporting period, and their condition assessment results.

Sewer Segments Rated as Category D or E and/or Manholes Rated as Category D or E

The number of sewer segments rated as either category D or E, and/or the number of manholes rated as either category D or E during the 1 January 2018 through 31 December 2018 reporting period, are displayed in **Table I-4**, below.

Table I-4: Sewer Segment and Manhole Ratings

Asset	Number Rated Category D	Number Rated Category E
Sewer Segments	503	32
Manholes	289	1

Table I-2: Gravity Sewer Ratings, Group 2

Gravity Sewer ID	Rating
SS.GM.T0001160	D
SS.GM.T0001649	C
SS.GM.T0002706	B
SS.GM.T0002707	B
SS.GM.T0002708	B
SS.GM.T0003123	B
SS.GM.T0003125	B
SS.GM.T0003126	B
SS.GM.T0003127	B
SS.GM.T0003670	B
SS.GM.T0003672	C
SS.GM.T0003677	D
SS.GM.T0003678	B
SS.GM.T0003681	C
SS.GM.T0003684	C
SS.GM.T0003685	C
SS.GM.T0003686	C
SS.GM.T0003696	D
SS.GM.T0003697	C
SS.GM.T0003864	D
SS.GM.T0003870	D
SS.GM.T0003874	C
SS.GM.T0003879	B
SS.GM.T0003883	B
SS.GM.T0003884	B
SS.GM.T0003885	B
SS.GM.T0003888	C
SS.GM.T0003891	B
SS.GM.T0003932	C
SS.GM.T0003943	D
SS.GM.T0003944	C
SS.GM.T0003945	B
SS.GM.T0004044	B
SS.GM.T0004067	B
SS.GM.T0004068	B
SS.GM.T0004073	D
SS.GM.T0004082	B
SS.GM.T0004083	C
SS.GM.T0004138	C
SS.GM.T0004139	D
SS.GM.T0004140	B
SS.GM.T0004141	B

Gravity Sewer ID	Rating
SS.GM.T0006033	D
SS.GM.T0006035	C
SS.GM.T0006036	D
SS.GM.T0006037	C
SS.GM.T0006038	B
SS.GM.T0006039	D
SS.GM.T0006040	D
SS.GM.T0006041	B
SS.GM.T0006042	B
SS.GM.T0006043	B
SS.GM.T0006044	B
SS.GM.T0006045	B
SS.GM.T0006046	B
SS.GM.T0006047	B
SS.GM.T0006048	B
SS.GM.T0006049	D
SS.GM.T0006050	B
SS.GM.T0006051	B
SS.GM.T0006053	D
SS.GM.T0006055	B
SS.GM.T0006057	D
SS.GM.T0006060	D
SS.GM.T0006061	D
SS.GM.T0006063	D
SS.GM.T0006064	B
SS.GM.T0006065	C
SS.GM.T0006066	B
SS.GM.T0006067	B
SS.GM.T0006068	D
SS.GM.T0006069	D
SS.GM.T0006070	C
SS.GM.T0006071	C
SS.GM.T0006072	D
SS.GM.T0006073	C
SS.GM.T0006074	D
SS.GM.T0006075	C
SS.GM.T0006076	B
SS.GM.T0006077	C
SS.GM.T0006078	C
SS.GM.T0006079	D
SS.GM.T0006080	B
SS.GM.T0006081	C

Gravity Sewer ID	Rating
SS.GM.T0008269	B
SS.GM.T0008270	C
SS.GM.T0008271	B
SS.GM.T0008272	B
SS.GM.T0008273	B
SS.GM.T0008275	C
SS.GM.T0008276	C
SS.GM.T0008277	C
SS.GM.T0008278	B
SS.GM.T0008279	B
SS.GM.T0008280	D
SS.GM.T0008281	B
SS.GM.T0008282	B
SS.GM.T0008283	D
SS.GM.T0008284	B
SS.GM.T0008285	B
SS.GM.T0008286	C
SS.GM.T0008287	B
SS.GM.T0008288	B
SS.GM.T0008289	B
SS.GM.T0008290	B
SS.GM.T0008291	B
SS.GM.T0008308	B
SS.GM.T0008311	B
SS.GM.T0008313	C
SS.GM.T0008314	B
SS.GM.T0008315	B
SS.GM.T0008316	C
SS.GM.T0008317	D
SS.GM.T0008318	B
SS.GM.T0008319	B
SS.GM.T0008321	D
SS.GM.T0008322	C
SS.GM.T0008324	B
SS.GM.T0008327	D
SS.GM.T0008330	C
SS.GM.T0008331	B
SS.GM.T0008336	B
SS.GM.T0008390	C
SS.GM.T0008420	D
SS.GM.T0008421	C
SS.GM.T0008422	C

Table I-2: Gravity Sewer Ratings, Group 2

SS.GM.T0004142	C	SS.GM.T0006082	D	SS.GM.T0008423	C
SS.GM.T0004143	B	SS.GM.T0006083	D	SS.GM.T0008426	C
SS.GM.T0004144	C	SS.GM.T0006084	E	SS.GM.T0008427	B
SS.GM.T0004145	B	SS.GM.T0006085	E	SS.GM.T0008428	B
SS.GM.T0004146	C	SS.GM.T0006088	D	SS.GM.T0008441	B
SS.GM.T0004147	E	SS.GM.T0006089	D	SS.GM.T0008442	D
SS.GM.T0004150	D	SS.GM.T0006090	D	SS.GM.T0008447	E
SS.GM.T0004152	B	SS.GM.T0006091	C	SS.GM.T0008449	D
SS.GM.T0004153	B	SS.GM.T0006092	D	SS.GM.T0008450	C
SS.GM.T0004155	B	SS.GM.T0006094	C	SS.GM.T0008451	C
SS.GM.T0004156	B	SS.GM.T0006095	D	SS.GM.T0008452	D
SS.GM.T0004157	C	SS.GM.T0006096	C	SS.GM.T0008453	B
SS.GM.T0004158	B	SS.GM.T0006097	D	SS.GM.T0008454	C
SS.GM.T0004159	B	SS.GM.T0006098	D	SS.GM.T0008455	D
SS.GM.T0004160	B	SS.GM.T0006099	C	SS.GM.T0008456	B
SS.GM.T0004162	B	SS.GM.T0006101	B	SS.GM.T0008457	B
SS.GM.T0004163	D	SS.GM.T0006104	D	SS.GM.T0008511	B
SS.GM.T0004164	C	SS.GM.T0006105	B	SS.GM.T0008512	B
SS.GM.T0004166	D	SS.GM.T0006106	B	SS.GM.T0008513	B
SS.GM.T0004167	C	SS.GM.T0006107	E	SS.GM.T0008514	C
SS.GM.T0004168	B	SS.GM.T0006108	D	SS.GM.T0008515	B
SS.GM.T0004171	C	SS.GM.T0006109	D	SS.GM.T0008516	D
SS.GM.T0004172	B	SS.GM.T0006110	C	SS.GM.T0008517	D
SS.GM.T0004173	B	SS.GM.T0006111	B	SS.GM.T0008518	B
SS.GM.T0004174	B	SS.GM.T0006112	B	SS.GM.T0008520	D
SS.GM.T0004175	B	SS.GM.T0006116	B	SS.GM.T0008526	D
SS.GM.T0004176	D	SS.GM.T0006117	D	SS.GM.T0008575	C
SS.GM.T0004177	D	SS.GM.T0006118	D	SS.GM.T0008670	B
SS.GM.T0004178	B	SS.GM.T0006119	B	SS.GM.T0008672	C
SS.GM.T0004179	C	SS.GM.T0006120	B	SS.GM.T0008673	B
SS.GM.T0004180	D	SS.GM.T0006121	B	SS.GM.T0008685	B
SS.GM.T0004181	D	SS.GM.T0006122	B	SS.GM.T0008718	B
SS.GM.T0004182	B	SS.GM.T0006123	B	SS.GM.T0008719	C
SS.GM.T0004183	D	SS.GM.T0006124	B	SS.GM.T0008720	B
SS.GM.T0004184	D	SS.GM.T0006125	B	SS.GM.T0008737	D
SS.GM.T0004185	C	SS.GM.T0006126	B	SS.GM.T0008738	C
SS.GM.T0004186	B	SS.GM.T0006128	B	SS.GM.T0008739	C
SS.GM.T0004187	B	SS.GM.T0006129	D	SS.GM.T0008740	C
SS.GM.T0004188	B	SS.GM.T0006130	C	SS.GM.T0008793	C
SS.GM.T0004189	D	SS.GM.T0006131	B	SS.GM.T0008821	C
SS.GM.T0004190	B	SS.GM.T0006132	C	SS.GM.T0008822	C
SS.GM.T0004191	D	SS.GM.T0006133	C	SS.GM.T0008823	C
SS.GM.T0004192	D	SS.GM.T0006134	C	SS.GM.T0008836	B

Table I-2: Gravity Sewer Ratings, Group 2

SS.GM.T0004193	C	SS.GM.T0006135	C	SS.GM.T0008847	D
SS.GM.T0004194	C	SS.GM.T0006136	C	SS.GM.T0008918	C
SS.GM.T0004195	B	SS.GM.T0006139	B	SS.GM.T0008963	B
SS.GM.T0004196	D	SS.GM.T0006142	B	SS.GM.T0008964	D
SS.GM.T0004197	B	SS.GM.T0006144	C	SS.GM.T0008965	C
SS.GM.T0004198	B	SS.GM.T0006148	B	SS.GM.T0008966	D
SS.GM.T0004200	B	SS.GM.T0006149	B	SS.GM.T0008967	C
SS.GM.T0004201	B	SS.GM.T0006150	B	SS.GM.T0008968	B
SS.GM.T0004202	B	SS.GM.T0006151	B	SS.GM.T0008969	C
SS.GM.T0004204	B	SS.GM.T0006152	D	SS.GM.T0008970	B
SS.GM.T0004205	D	SS.GM.T0006155	D	SS.GM.T0008972	D
SS.GM.T0004206	B	SS.GM.T0006156	B	SS.GM.T0008973	B
SS.GM.T0004207	D	SS.GM.T0006157	C	SS.GM.T0008974	D
SS.GM.T0004208	B	SS.GM.T0006158	B	SS.GM.T0008975	B
SS.GM.T0004209	B	SS.GM.T0006159	D	SS.GM.T0008976	D
SS.GM.T0004210	B	SS.GM.T0006160	D	SS.GM.T0008977	B
SS.GM.T0004211	D	SS.GM.T0006161	B	SS.GM.T0008978	B
SS.GM.T0004212	B	SS.GM.T0006162	C	SS.GM.T0008979	D
SS.GM.T0004213	D	SS.GM.T0006163	C	SS.GM.T0008980	B
SS.GM.T0004214	B	SS.GM.T0006164	D	SS.GM.T0008981	B
SS.GM.T0004215	B	SS.GM.T0006165	D	SS.GM.T0008982	B
SS.GM.T0004216	B	SS.GM.T0006167	D	SS.GM.T0008983	B
SS.GM.T0004217	D	SS.GM.T0006168	D	SS.GM.T0008984	B
SS.GM.T0004218	D	SS.GM.T0006169	C	SS.GM.T0008985	C
SS.GM.T0004220	B	SS.GM.T0006170	D	SS.GM.T0008986	D
SS.GM.T0004221	B	SS.GM.T0006172	B	SS.GM.T0008987	C
SS.GM.T0004222	B	SS.GM.T0006173	B	SS.GM.T0008988	D
SS.GM.T0004223	B	SS.GM.T0006174	B	SS.GM.T0008989	C
SS.GM.T0004224	C	SS.GM.T0006175	B	SS.GM.T0008990	C
SS.GM.T0004225	B	SS.GM.T0006176	D	SS.GM.T0008991	C
SS.GM.T0004226	B	SS.GM.T0006177	B	SS.GM.T0008992	E
SS.GM.T0004227	D	SS.GM.T0006178	D	SS.GM.T0008993	E
SS.GM.T0004231	B	SS.GM.T0006180	D	SS.GM.T0008994	D
SS.GM.T0004232	C	SS.GM.T0006181	B	SS.GM.T0008995	C
SS.GM.T0004233	B	SS.GM.T0006182	B	SS.GM.T0008996	B
SS.GM.T0004234	D	SS.GM.T0006183	C	SS.GM.T0008997	C
SS.GM.T0004235	B	SS.GM.T0006186	D	SS.GM.T0008998	D
SS.GM.T0004236	D	SS.GM.T0006187	B	SS.GM.T0008999	D
SS.GM.T0004237	C	SS.GM.T0006188	D	SS.GM.T0009000	D
SS.GM.T0004238	C	SS.GM.T0006189	B	SS.GM.T0009001	C
SS.GM.T0004239	B	SS.GM.T0006190	C	SS.GM.T0009002	C
SS.GM.T0004240	B	SS.GM.T0006191	B	SS.GM.T0009003	C
SS.GM.T0004241	B	SS.GM.T0006192	D	SS.GM.T0009004	C

Table I-2: Gravity Sewer Ratings, Group 2

SS.GM.T0004363	B	SS.GM.T0006193	D	SS.GM.T0009005	C
SS.GM.T0004364	B	SS.GM.T0006194	C	SS.GM.T0009006	C
SS.GM.T0004365	B	SS.GM.T0006195	B	SS.GM.T0009007	C
SS.GM.T0004366	B	SS.GM.T0006196	B	SS.GM.T0009009	C
SS.GM.T0004367	B	SS.GM.T0006197	C	SS.GM.T0009010	C
SS.GM.T0004432	C	SS.GM.T0006198	D	SS.GM.T0009011	D
SS.GM.T0004433	B	SS.GM.T0006199	D	SS.GM.T0009015	B
SS.GM.T0004434	B	SS.GM.T0006200	D	SS.GM.T0009016	B
SS.GM.T0004435	B	SS.GM.T0006201	D	SS.GM.T0009017	D
SS.GM.T0004437	D	SS.GM.T0006202	D	SS.GM.T0009018	B
SS.GM.T0004438	B	SS.GM.T0006203	D	SS.GM.T0009019	B
SS.GM.T0004439	D	SS.GM.T0006204	C	SS.GM.T0009020	D
SS.GM.T0004440	B	SS.GM.T0006205	B	SS.GM.T0009021	C
SS.GM.T0004441	C	SS.GM.T0006206	B	SS.GM.T0009022	D
SS.GM.T0004442	D	SS.GM.T0006207	D	SS.GM.T0009023	D
SS.GM.T0004443	C	SS.GM.T0006208	B	SS.GM.T0009024	C
SS.GM.T0004444	B	SS.GM.T0006209	D	SS.GM.T0009025	D
SS.GM.T0004445	D	SS.GM.T0006210	B	SS.GM.T0009026	B
SS.GM.T0004446	B	SS.GM.T0006211	D	SS.GM.T0009027	C
SS.GM.T0004447	B	SS.GM.T0006212	B	SS.GM.T0009028	B
SS.GM.T0004448	D	SS.GM.T0006213	C	SS.GM.T0009029	B
SS.GM.T0004449	D	SS.GM.T0006214	B	SS.GM.T0009030	B
SS.GM.T0004450	C	SS.GM.T0006215	C	SS.GM.T0009031	D
SS.GM.T0004451	C	SS.GM.T0006216	B	SS.GM.T0009032	D
SS.GM.T0004452	D	SS.GM.T0006217	D	SS.GM.T0009033	D
SS.GM.T0004453	E	SS.GM.T0006218	D	SS.GM.T0009034	C
SS.GM.T0004456	D	SS.GM.T0006219	B	SS.GM.T0009035	C
SS.GM.T0004457	C	SS.GM.T0006220	B	SS.GM.T0009036	C
SS.GM.T0004458	B	SS.GM.T0006221	C	SS.GM.T0009037	B
SS.GM.T0004462	D	SS.GM.T0006222	C	SS.GM.T0009038	D
SS.GM.T0004463	C	SS.GM.T0006223	D	SS.GM.T0009040	D
SS.GM.T0004465	D	SS.GM.T0006224	B	SS.GM.T0009041	C
SS.GM.T0004466	C	SS.GM.T0006225	D	SS.GM.T0009042	B
SS.GM.T0004467	B	SS.GM.T0006226	B	SS.GM.T0009043	D
SS.GM.T0004477	D	SS.GM.T0006227	B	SS.GM.T0009044	C
SS.GM.T0004478	D	SS.GM.T0006228	C	SS.GM.T0009045	B
SS.GM.T0004480	C	SS.GM.T0006229	B	SS.GM.T0009046	D
SS.GM.T0004481	D	SS.GM.T0006230	B	SS.GM.T0009047	C
SS.GM.T0004482	D	SS.GM.T0006231	D	SS.GM.T0009048	C
SS.GM.T0004484	B	SS.GM.T0006232	D	SS.GM.T0009049	B
SS.GM.T0004486	D	SS.GM.T0006233	C	SS.GM.T0009051	B
SS.GM.T0004488	C	SS.GM.T0006234	B	SS.GM.T0009052	B
SS.GM.T0004489	D	SS.GM.T0006235	D	SS.GM.T0009053	C

Table I-2: Gravity Sewer Ratings, Group 2

SS.GM.T0004490	D	SS.GM.T0006236	D	SS.GM.T0009054	D
SS.GM.T0004491	D	SS.GM.T0006237	B	SS.GM.T0009055	B
SS.GM.T0004492	D	SS.GM.T0006238	B	SS.GM.T0009056	D
SS.GM.T0004494	B	SS.GM.T0006239	B	SS.GM.T0009057	D
SS.GM.T0004495	D	SS.GM.T0006240	B	SS.GM.T0009058	B
SS.GM.T0004496	B	SS.GM.T0006241	B	SS.GM.T0009062	B
SS.GM.T0004498	B	SS.GM.T0006242	B	SS.GM.T0009063	B
SS.GM.T0004522	C	SS.GM.T0006244	D	SS.GM.T0009064	B
SS.GM.T0004523	C	SS.GM.T0006245	D	SS.GM.T0009065	B
SS.GM.T0004570	D	SS.GM.T0006246	B	SS.GM.T0009066	B
SS.GM.T0004571	B	SS.GM.T0006247	D	SS.GM.T0009067	B
SS.GM.T0004572	D	SS.GM.T0006248	C	SS.GM.T0009068	B
SS.GM.T0004666	B	SS.GM.T0006249	C	SS.GM.T0009069	D
SS.GM.T0004667	B	SS.GM.T0006250	D	SS.GM.T0009071	B
SS.GM.T0004668	C	SS.GM.T0006251	B	SS.GM.T0009072	B
SS.GM.T0004669	D	SS.GM.T0006252	B	SS.GM.T0009073	D
SS.GM.T0004670	B	SS.GM.T0006253	B	SS.GM.T0009074	D
SS.GM.T0004671	C	SS.GM.T0006254	C	SS.GM.T0009075	B
SS.GM.T0004675	B	SS.GM.T0006255	B	SS.GM.T0009076	B
SS.GM.T0004676	C	SS.GM.T0006256	B	SS.GM.T0009077	C
SS.GM.T0004677	C	SS.GM.T0006257	B	SS.GM.T0009078	C
SS.GM.T0004678	C	SS.GM.T0006258	B	SS.GM.T0009079	B
SS.GM.T0004679	B	SS.GM.T0006259	B	SS.GM.T0009081	C
SS.GM.T0004680	B	SS.GM.T0006261	C	SS.GM.T0009082	B
SS.GM.T0004681	B	SS.GM.T0006262	E	SS.GM.T0009083	C
SS.GM.T0004682	B	SS.GM.T0006263	C	SS.GM.T0009084	C
SS.GM.T0004683	B	SS.GM.T0006264	C	SS.GM.T0009085	D
SS.GM.T0004686	B	SS.GM.T0006265	D	SS.GM.T0009086	B
SS.GM.T0004687	B	SS.GM.T0006266	C	SS.GM.T0009087	B
SS.GM.T0004688	B	SS.GM.T0006267	D	SS.GM.T0009089	D
SS.GM.T0004689	B	SS.GM.T0006268	C	SS.GM.T0009090	B
SS.GM.T0004690	C	SS.GM.T0006269	E	SS.GM.T0009091	C
SS.GM.T0004691	C	SS.GM.T0006270	D	SS.GM.T0009092	B
SS.GM.T0004692	C	SS.GM.T0006271	C	SS.GM.T0009093	D
SS.GM.T0004693	B	SS.GM.T0006272	D	SS.GM.T0009094	D
SS.GM.T0004694	B	SS.GM.T0006273	B	SS.GM.T0009095	B
SS.GM.T0004695	B	SS.GM.T0006274	C	SS.GM.T0009096	C
SS.GM.T0004696	B	SS.GM.T0006275	B	SS.GM.T0009097	B
SS.GM.T0004697	B	SS.GM.T0006276	D	SS.GM.T0009098	C
SS.GM.T0004698	B	SS.GM.T0006277	D	SS.GM.T0009099	B
SS.GM.T0004699	B	SS.GM.T0006278	B	SS.GM.T0009100	B
SS.GM.T0004700	B	SS.GM.T0006279	B	SS.GM.T0009101	C
SS.GM.T0004701	B	SS.GM.T0006280	B	SS.GM.T0009102	B

Table I-2: Gravity Sewer Ratings, Group 2

SS.GM.T0004763	C	SS.GM.T0006281	B	SS.GM.T0009103	B
SS.GM.T0004764	D	SS.GM.T0006282	D	SS.GM.T0009104	C
SS.GM.T0004765	D	SS.GM.T0006283	D	SS.GM.T0009105	D
SS.GM.T0004766	C	SS.GM.T0006284	C	SS.GM.T0009106	B
SS.GM.T0004767	B	SS.GM.T0006287	C	SS.GM.T0009107	C
SS.GM.T0004769	B	SS.GM.T0006289	C	SS.GM.T0009108	C
SS.GM.T0004771	B	SS.GM.T0006290	C	SS.GM.T0009109	C
SS.GM.T0004772	B	SS.GM.T0006291	C	SS.GM.T0009110	D
SS.GM.T0004773	B	SS.GM.T0006292	C	SS.GM.T0009111	D
SS.GM.T0004774	C	SS.GM.T0006293	D	SS.GM.T0009112	B
SS.GM.T0004775	D	SS.GM.T0006294	D	SS.GM.T0009113	C
SS.GM.T0004776	B	SS.GM.T0006295	D	SS.GM.T0009114	C
SS.GM.T0004777	B	SS.GM.T0006296	D	SS.GM.T0009115	D
SS.GM.T0004778	C	SS.GM.T0006297	D	SS.GM.T0009116	C
SS.GM.T0004779	B	SS.GM.T0006298	D	SS.GM.T0009117	C
SS.GM.T0004780	B	SS.GM.T0006299	D	SS.GM.T0009118	C
SS.GM.T0004781	C	SS.GM.T0006300	C	SS.GM.T0009119	C
SS.GM.T0004782	C	SS.GM.T0006301	E	SS.GM.T0009120	C
SS.GM.T0004783	B	SS.GM.T0006302	C	SS.GM.T0009121	C
SS.GM.T0004784	B	SS.GM.T0006303	C	SS.GM.T0009122	D
SS.GM.T0004785	E	SS.GM.T0006304	E	SS.GM.T0009123	C
SS.GM.T0004786	B	SS.GM.T0006305	C	SS.GM.T0009124	D
SS.GM.T0004787	B	SS.GM.T0006306	D	SS.GM.T0009125	C
SS.GM.T0004788	C	SS.GM.T0006307	C	SS.GM.T0009126	C
SS.GM.T0004789	B	SS.GM.T0006308	C	SS.GM.T0009127	B
SS.GM.T0004790	B	SS.GM.T0006309	D	SS.GM.T0009128	B
SS.GM.T0004791	B	SS.GM.T0006310	D	SS.GM.T0009130	B
SS.GM.T0004792	B	SS.GM.T0006311	C	SS.GM.T0009131	C
SS.GM.T0004793	B	SS.GM.T0006312	C	SS.GM.T0009132	B
SS.GM.T0004794	B	SS.GM.T0006313	D	SS.GM.T0009133	C
SS.GM.T0004795	D	SS.GM.T0006314	D	SS.GM.T0009134	C
SS.GM.T0004796	B	SS.GM.T0006315	C	SS.GM.T0009135	D
SS.GM.T0004797	B	SS.GM.T0006316	D	SS.GM.T0009136	C
SS.GM.T0004798	B	SS.GM.T0006317	D	SS.GM.T0009138	B
SS.GM.T0004799	D	SS.GM.T0006318	B	SS.GM.T0009139	D
SS.GM.T0004800	B	SS.GM.T0006319	C	SS.GM.T0009140	D
SS.GM.T0004801	C	SS.GM.T0006320	D	SS.GM.T0009141	D
SS.GM.T0004802	B	SS.GM.T0006321	C	SS.GM.T0009142	D
SS.GM.T0004803	C	SS.GM.T0006322	C	SS.GM.T0009143	C
SS.GM.T0004804	B	SS.GM.T0006323	D	SS.GM.T0009144	C
SS.GM.T0004805	B	SS.GM.T0006324	D	SS.GM.T0009145	D
SS.GM.T0004806	E	SS.GM.T0006325	D	SS.GM.T0009146	D
SS.GM.T0004807	B	SS.GM.T0006326	C	SS.GM.T0009147	B

Table I-2: Gravity Sewer Ratings, Group 2

SS.GM.T0004808	B	SS.GM.T0006327	D	SS.GM.T0009148	B
SS.GM.T0004809	E	SS.GM.T0006328	D	SS.GM.T0009149	B
SS.GM.T0004810	B	SS.GM.T0006329	B	SS.GM.T0009150	B
SS.GM.T0004811	C	SS.GM.T0006330	C	SS.GM.T0009151	C
SS.GM.T0004812	B	SS.GM.T0006331	B	SS.GM.T0009152	C
SS.GM.T0004813	B	SS.GM.T0006332	E	SS.GM.T0009153	C
SS.GM.T0004814	B	SS.GM.T0006333	D	SS.GM.T0009154	B
SS.GM.T0004815	C	SS.GM.T0006334	C	SS.GM.T0009155	E
SS.GM.T0004816	B	SS.GM.T0006335	C	SS.GM.T0009156	C
SS.GM.T0004817	B	SS.GM.T0006336	D	SS.GM.T0009157	B
SS.GM.T0004818	B	SS.GM.T0006337	D	SS.GM.T0009158	C
SS.GM.T0004819	C	SS.GM.T0006338	C	SS.GM.T0009159	B
SS.GM.T0004820	D	SS.GM.T0006339	D	SS.GM.T0009160	C
SS.GM.T0004821	D	SS.GM.T0006340	D	SS.GM.T0009161	C
SS.GM.T0004822	B	SS.GM.T0006341	B	SS.GM.T0009162	B
SS.GM.T0004823	C	SS.GM.T0006342	D	SS.GM.T0009163	E
SS.GM.T0004824	B	SS.GM.T0006343	D	SS.GM.T0009164	B
SS.GM.T0004825	D	SS.GM.T0006344	B	SS.GM.T0009166	D
SS.GM.T0004828	C	SS.GM.T0006345	D	SS.GM.T0009167	D
SS.GM.T0004829	B	SS.GM.T0006346	B	SS.GM.T0009169	D
SS.GM.T0004830	B	SS.GM.T0006347	E	SS.GM.T0009170	C
SS.GM.T0004831	B	SS.GM.T0006348	C	SS.GM.T0009171	C
SS.GM.T0004832	C	SS.GM.T0006349	B	SS.GM.T0009173	C
SS.GM.T0004833	C	SS.GM.T0006350	C	SS.GM.T0009174	B
SS.GM.T0004834	B	SS.GM.T0006351	C	SS.GM.T0009176	D
SS.GM.T0004835	B	SS.GM.T0006352	C	SS.GM.T0009177	B
SS.GM.T0004836	B	SS.GM.T0006353	C	SS.GM.T0009178	D
SS.GM.T0004837	B	SS.GM.T0006354	C	SS.GM.T0009179	B
SS.GM.T0004841	C	SS.GM.T0006355	C	SS.GM.T0009180	B
SS.GM.T0004842	D	SS.GM.T0006356	D	SS.GM.T0009181	D
SS.GM.T0004843	D	SS.GM.T0006357	B	SS.GM.T0009182	D
SS.GM.T0004844	D	SS.GM.T0006363	C	SS.GM.T0009183	B
SS.GM.T0004847	D	SS.GM.T0006364	C	SS.GM.T0009184	D
SS.GM.T0004848	B	SS.GM.T0006365	D	SS.GM.T0009185	B
SS.GM.T0004849	B	SS.GM.T0006366	D	SS.GM.T0009186	D
SS.GM.T0004852	D	SS.GM.T0006367	C	SS.GM.T0009187	D
SS.GM.T0004853	D	SS.GM.T0006368	B	SS.GM.T0009188	D
SS.GM.T0004854	C	SS.GM.T0006369	B	SS.GM.T0009189	B
SS.GM.T0004855	B	SS.GM.T0006370	D	SS.GM.T0009190	C
SS.GM.T0004856	B	SS.GM.T0006371	C	SS.GM.T0009191	D
SS.GM.T0004857	B	SS.GM.T0006372	C	SS.GM.T0009192	D
SS.GM.T0004858	B	SS.GM.T0006373	B	SS.GM.T0009193	C
SS.GM.T0004859	B	SS.GM.T0006374	C	SS.GM.T0009194	E

Table I-2: Gravity Sewer Ratings, Group 2

SS.GM.T0004860	B	SS.GM.T0006375	B	SS.GM.T0009195	D
SS.GM.T0004861	B	SS.GM.T0006376	B	SS.GM.T0009196	D
SS.GM.T0004862	C	SS.GM.T0006377	B	SS.GM.T0009197	B
SS.GM.T0004863	B	SS.GM.T0006378	B	SS.GM.T0009198	D
SS.GM.T0004864	B	SS.GM.T0006470	B	SS.GM.T0009199	C
SS.GM.T0004865	D	SS.GM.T0006471	C	SS.GM.T0009200	C
SS.GM.T0004866	B	SS.GM.T0006472	C	SS.GM.T0009201	B
SS.GM.T0004867	C	SS.GM.T0006474	C	SS.GM.T0009202	B
SS.GM.T0004868	D	SS.GM.T0006475	C	SS.GM.T0009203	C
SS.GM.T0004871	B	SS.GM.T0006476	B	SS.GM.T0009204	C
SS.GM.T0004874	B	SS.GM.T0006477	B	SS.GM.T0009205	D
SS.GM.T0004889	C	SS.GM.T0006479	B	SS.GM.T0009206	B
SS.GM.T0004891	D	SS.GM.T0006480	B	SS.GM.T0009207	B
SS.GM.T0004892	D	SS.GM.T0006481	B	SS.GM.T0009208	B
SS.GM.T0004893	D	SS.GM.T0006482	D	SS.GM.T0009209	B
SS.GM.T0004894	B	SS.GM.T0006483	D	SS.GM.T0009210	B
SS.GM.T0004895	B	SS.GM.T0006484	E	SS.GM.T0009211	C
SS.GM.T0004896	D	SS.GM.T0006485	D	SS.GM.T0009212	B
SS.GM.T0004897	D	SS.GM.T0006486	B	SS.GM.T0009213	D
SS.GM.T0004898	C	SS.GM.T0006487	D	SS.GM.T0009214	C
SS.GM.T0004899	E	SS.GM.T0006488	B	SS.GM.T0009216	D
SS.GM.T0004900	C	SS.GM.T0006490	B	SS.GM.T0009217	D
SS.GM.T0004901	C	SS.GM.T0006491	D	SS.GM.T0009218	D
SS.GM.T0004902	B	SS.GM.T0006492	D	SS.GM.T0009219	D
SS.GM.T0004966	B	SS.GM.T0006493	C	SS.GM.T0009221	B
SS.GM.T0004967	B	SS.GM.T0006494	D	SS.GM.T0009223	B
SS.GM.T0004968	C	SS.GM.T0006495	D	SS.GM.T0009224	C
SS.GM.T0004969	B	SS.GM.T0006502	C	SS.GM.T0009225	C
SS.GM.T0004974	C	SS.GM.T0006503	D	SS.GM.T0009226	B
SS.GM.T0004975	B	SS.GM.T0006505	D	SS.GM.T0009227	B
SS.GM.T0004976	B	SS.GM.T0006507	D	SS.GM.T0009228	C
SS.GM.T0004977	B	SS.GM.T0006508	B	SS.GM.T0009229	D
SS.GM.T0004978	C	SS.GM.T0006509	B	SS.GM.T0009230	D
SS.GM.T0004979	B	SS.GM.T0006510	D	SS.GM.T0009231	D
SS.GM.T0004980	B	SS.GM.T0006511	D	SS.GM.T0009232	B
SS.GM.T0004981	C	SS.GM.T0006512	D	SS.GM.T0009233	B
SS.GM.T0004984	C	SS.GM.T0006513	B	SS.GM.T0009235	B
SS.GM.T0004985	D	SS.GM.T0006514	D	SS.GM.T0009236	B
SS.GM.T0004986	B	SS.GM.T0006515	C	SS.GM.T0009237	C
SS.GM.T0004987	D	SS.GM.T0006516	C	SS.GM.T0009238	C
SS.GM.T0004989	B	SS.GM.T0006517	D	SS.GM.T0009239	B
SS.GM.T0004990	B	SS.GM.T0006518	D	SS.GM.T0009240	C
SS.GM.T0004991	B	SS.GM.T0006519	D	SS.GM.T0009241	C

Table I-2: Gravity Sewer Ratings, Group 2

SS.GM.T0004992	B	SS.GM.T0006520	B	SS.GM.T0009242	B
SS.GM.T0004993	B	SS.GM.T0006522	B	SS.GM.T0009243	B
SS.GM.T0004994	B	SS.GM.T0006523	D	SS.GM.T0009244	C
SS.GM.T0004995	B	SS.GM.T0006524	B	SS.GM.T0009245	D
SS.GM.T0004996	B	SS.GM.T0006525	C	SS.GM.T0009248	B
SS.GM.T0005038	C	SS.GM.T0006826	B	SS.GM.T0009249	B
SS.GM.T0005039	B	SS.GM.T0006827	B	SS.GM.T0009250	B
SS.GM.T0005040	B	SS.GM.T0006828	B	SS.GM.T0009251	B
SS.GM.T0005041	D	SS.GM.T0006829	B	SS.GM.T0009252	B
SS.GM.T0005042	B	SS.GM.T0006830	D	SS.GM.T0009253	D
SS.GM.T0005043	D	SS.GM.T0006831	C	SS.GM.T0009254	D
SS.GM.T0005044	B	SS.GM.T0006833	C	SS.GM.T0009255	D
SS.GM.T0005045	B	SS.GM.T0006834	C	SS.GM.T0009257	B
SS.GM.T0005062	B	SS.GM.T0006835	C	SS.GM.T0009258	C
SS.GM.T0005063	B	SS.GM.T0006836	C	SS.GM.T0009259	B
SS.GM.T0005064	D	SS.GM.T0006837	B	SS.GM.T0009260	B
SS.GM.T0005065	B	SS.GM.T0006838	C	SS.GM.T0009261	B
SS.GM.T0005066	B	SS.GM.T0006839	B	SS.GM.T0009262	B
SS.GM.T0005067	B	SS.GM.T0006840	C	SS.GM.T0009263	B
SS.GM.T0005069	D	SS.GM.T0006841	B	SS.GM.T0009264	B
SS.GM.T0005070	B	SS.GM.T0006869	C	SS.GM.T0009265	B
SS.GM.T0005071	B	SS.GM.T0006870	D	SS.GM.T0009267	B
SS.GM.T0005072	C	SS.GM.T0006871	B	SS.GM.T0009268	B
SS.GM.T0005073	B	SS.GM.T0006872	B	SS.GM.T0009269	B
SS.GM.T0005074	D	SS.GM.T0006873	D	SS.GM.T0009270	D
SS.GM.T0005075	D	SS.GM.T0006874	C	SS.GM.T0009271	D
SS.GM.T0005076	C	SS.GM.T0006998	D	SS.GM.T0009272	E
SS.GM.T0005077	D	SS.GM.T0007000	B	SS.GM.T0009273	B
SS.GM.T0005078	C	SS.GM.T0007001	D	SS.GM.T0009274	D
SS.GM.T0005079	C	SS.GM.T0007007	B	SS.GM.T0009275	D
SS.GM.T0005080	D	SS.GM.T0007008	B	SS.GM.T0009276	B
SS.GM.T0005081	D	SS.GM.T0007009	B	SS.GM.T0009278	C
SS.GM.T0005082	C	SS.GM.T0007011	D	SS.GM.T0009279	C
SS.GM.T0005083	D	SS.GM.T0007014	C	SS.GM.T0009280	B
SS.GM.T0005084	D	SS.GM.T0007018	D	SS.GM.T0009281	B
SS.GM.T0005085	C	SS.GM.T0007021	B	SS.GM.T0009282	B
SS.GM.T0005086	C	SS.GM.T0007022	C	SS.GM.T0009285	D
SS.GM.T0005087	D	SS.GM.T0007025	D	SS.GM.T0009286	D
SS.GM.T0005088	C	SS.GM.T0007026	C	SS.GM.T0009287	B
SS.GM.T0005089	C	SS.GM.T0007028	B	SS.GM.T0009288	D
SS.GM.T0005090	B	SS.GM.T0007029	D	SS.GM.T0009290	C
SS.GM.T0005091	C	SS.GM.T0007030	C	SS.GM.T0009291	B
SS.GM.T0005092	C	SS.GM.T0007031	C	SS.GM.T0009292	B

Table I-2: Gravity Sewer Ratings, Group 2

SS.GM.T0005093	C	SS.GM.T0007035	C	SS.GM.T0009293	C
SS.GM.T0005094	C	SS.GM.T0007036	B	SS.GM.T0009294	D
SS.GM.T0005095	C	SS.GM.T0007037	C	SS.GM.T0009295	D
SS.GM.T0005096	C	SS.GM.T0007041	D	SS.GM.T0009296	D
SS.GM.T0005097	B	SS.GM.T0007042	B	SS.GM.T0009297	C
SS.GM.T0005098	D	SS.GM.T0007043	D	SS.GM.T0009298	B
SS.GM.T0005099	D	SS.GM.T0007044	B	SS.GM.T0009299	C
SS.GM.T0005100	C	SS.GM.T0007045	D	SS.GM.T0009300	C
SS.GM.T0005101	D	SS.GM.T0007046	B	SS.GM.T0009301	B
SS.GM.T0005102	C	SS.GM.T0007049	D	SS.GM.T0009302	D
SS.GM.T0005103	B	SS.GM.T0007050	C	SS.GM.T0009305	B
SS.GM.T0005104	B	SS.GM.T0007051	C	SS.GM.T0009378	C
SS.GM.T0005105	B	SS.GM.T0007052	B	SS.GM.T0009379	D
SS.GM.T0005108	D	SS.GM.T0007053	C	SS.GM.T0009380	B
SS.GM.T0005109	C	SS.GM.T0007068	D	SS.GM.T0009382	D
SS.GM.T0005110	D	SS.GM.T0007069	D	SS.GM.T0009383	B
SS.GM.T0005112	C	SS.GM.T0007070	B	SS.GM.T0009384	D
SS.GM.T0005113	C	SS.GM.T0007071	E	SS.GM.T0009385	B
SS.GM.T0005114	C	SS.GM.T0007072	D	SS.GM.T0009386	C
SS.GM.T0005115	D	SS.GM.T0007073	C	SS.GM.T0009388	B
SS.GM.T0005116	C	SS.GM.T0007074	B	SS.GM.T0009389	B
SS.GM.T0005117	D	SS.GM.T0007075	D	SS.GM.T0009391	D
SS.GM.T0005118	D	SS.GM.T0007076	D	SS.GM.T0009394	B
SS.GM.T0005119	C	SS.GM.T0007077	D	SS.GM.T0009395	C
SS.GM.T0005120	C	SS.GM.T0007078	D	SS.GM.T0009712	D
SS.GM.T0005121	B	SS.GM.T0007079	D	SS.GM.T0009713	E
SS.GM.T0005122	D	SS.GM.T0007080	C	SS.GM.T0009714	C
SS.GM.T0005123	D	SS.GM.T0007081	B	SS.GM.T0009715	D
SS.GM.T0005125	D	SS.GM.T0007082	D	SS.GM.T0009716	C
SS.GM.T0005126	D	SS.GM.T0007084	D	SS.GM.T0009718	B
SS.GM.T0005127	D	SS.GM.T0007085	D	SS.GM.T0009719	C
SS.GM.T0005128	C	SS.GM.T0007088	B	SS.GM.T0009720	B
SS.GM.T0005129	C	SS.GM.T0007089	D	SS.GM.T0009721	B
SS.GM.T0005131	C	SS.GM.T0007090	C	SS.GM.T0009747	B
SS.GM.T0005132	D	SS.GM.T0007091	C	SS.GM.T0009748	C
SS.GM.T0005133	C	SS.GM.T0007092	C	SS.GM.T0009749	C
SS.GM.T0005134	D	SS.GM.T0007098	C	SS.GM.T0009750	D
SS.GM.T0005135	D	SS.GM.T0007099	B	SS.GM.T0009751	D
SS.GM.T0005136	C	SS.GM.T0007100	B	SS.GM.T0009752	C
SS.GM.T0005137	B	SS.GM.T0007101	C	SS.GM.T0009820	D
SS.GM.T0005139	C	SS.GM.T0007102	B	SS.GM.T0009821	B
SS.GM.T0005141	B	SS.GM.T0007103	C	SS.GM.T0009822	C
SS.GM.T0005143	B	SS.GM.T0007105	D	SS.GM.T0009834	B

Table I-2: Gravity Sewer Ratings, Group 2

SS.GM.T0005144	D	SS.GM.T0007106	D	SS.GM.T0009835	C
SS.GM.T0005145	D	SS.GM.T0007107	B	SS.GM.T0009836	B
SS.GM.T0005146	C	SS.GM.T0007108	C	SS.GM.T0009837	B
SS.GM.T0005148	C	SS.GM.T0007109	B	SS.GM.T0009838	B
SS.GM.T0005149	C	SS.GM.T0007110	D	SS.GM.T0009888	B
SS.GM.T0005150	C	SS.GM.T0007111	B	SS.GM.T0009889	C
SS.GM.T0005151	B	SS.GM.T0007112	C	SS.GM.T0009990	B
SS.GM.T0005152	C	SS.GM.T0007113	D	SS.GM.T0010006	B
SS.GM.T0005153	C	SS.GM.T0007114	C	SS.GM.T0010007	C
SS.GM.T0005154	C	SS.GM.T0007115	B	SS.GM.T0010008	B
SS.GM.T0005155	C	SS.GM.T0007116	D	SS.GM.T0010011	C
SS.GM.T0005156	C	SS.GM.T0007117	C	SS.GM.T0010012	B
SS.GM.T0005157	C	SS.GM.T0007118	C	SS.GM.T0010548	B
SS.GM.T0005158	E	SS.GM.T0007119	B	SS.GM.T0010706	B
SS.GM.T0005159	C	SS.GM.T0007120	B	SS.GM.T0010707	B
SS.GM.T0005160	C	SS.GM.T0007121	D	SS.GM.T0010954	B
SS.GM.T0005161	D	SS.GM.T0007122	D	SS.GM.T0011465	B
SS.GM.T0005162	E	SS.GM.T0007123	D	SS.GM.T0011466	B
SS.GM.T0005163	C	SS.GM.T0007124	D	SS.GM.T0012038	D
SS.GM.T0005164	C	SS.GM.T0007125	C	SS.GM.T0012297	B
SS.GM.T0005165	C	SS.GM.T0007126	C	SS.GM.T0012298	C
SS.GM.T0005166	E	SS.GM.T0007127	D	SS.GM.T0012299	B
SS.GM.T0005167	C	SS.GM.T0007128	D	SS.GM.T0012300	B
SS.GM.T0005168	D	SS.GM.T0007360	B	SS.GM.T0012301	B
SS.GM.T0005169	C	SS.GM.T0007361	B	SS.GM.T0012302	B
SS.GM.T0005170	C	SS.GM.T0007364	B	SS.GM.T0012968	B
SS.GM.T0005171	C	SS.GM.T0007366	B	SS.GM.T0012969	B
SS.GM.T0005172	C	SS.GM.T0007398	C	SS.GM.T0013008	B
SS.GM.T0005173	C	SS.GM.T0007400	D	SS.GM.T0013009	B
SS.GM.T0005174	D	SS.GM.T0007401	B	SS.GM.T0013039	C
SS.GM.T0005300	B	SS.GM.T0007402	D	SS.GM.T0013040	B
SS.GM.T0005301	B	SS.GM.T0007406	B	SS.GM.T0013041	B
SS.GM.T0005302	B	SS.GM.T0007407	C	SS.GM.T0013046	D
SS.GM.T0005303	B	SS.GM.T0007473	D	SS.GM.T0013059	D
SS.GM.T0005304	B	SS.GM.T0007476	B	SS.GM.T0013060	A
SS.GM.T0005306	B	SS.GM.T0007477	B	SS.GM.T0013061	C
SS.GM.T0005307	D	SS.GM.T0007494	B	SS.GM.T0013157	B
SS.GM.T0005308	C	SS.GM.T0007495	B	SS.GM.T0013158	C
SS.GM.T0005309	D	SS.GM.T0007496	C	SS.GM.T0013159	B
SS.GM.T0005311	E	SS.GM.T0007699	B	SS.GM.T0013160	B
SS.GM.T0005312	B	SS.GM.T0007700	B	SS.GM.T0013178	B
SS.GM.T0005313	D	SS.GM.T0007701	C	SS.GM.T0013179	B
SS.GM.T0005352	C	SS.GM.T0007702	B	SS.GM.T0013207	D

Table I-2: Gravity Sewer Ratings, Group 2

SS.GM.T0005353	D	SS.GM.T0007703	C	SS.GM.T0013210	B
SS.GM.T0005361	B	SS.GM.T0007704	C	SS.GM.T0013230	C
SS.GM.T0005363	C	SS.GM.T0007705	C	SS.GM.T0013247	B
SS.GM.T0005364	C	SS.GM.T0007706	D	SS.GM.T0013248	B
SS.GM.T0005365	C	SS.GM.T0007707	D	SS.GM.T0013249	D
SS.GM.T0005366	C	SS.GM.T0007708	B	SS.GM.T0013250	B
SS.GM.T0005367	D	SS.GM.T0007709	D	SS.GM.T0013251	B
SS.GM.T0005369	D	SS.GM.T0007710	C	SS.GM.T0013258	B
SS.GM.T0005370	C	SS.GM.T0007711	B	SS.GM.T0013259	B
SS.GM.T0005371	B	SS.GM.T0007715	B	SS.GM.T0013260	B
SS.GM.T0005372	C	SS.GM.T0007716	B	SS.GM.T0013261	D
SS.GM.T0005373	C	SS.GM.T0007717	B	SS.GM.T0013264	B
SS.GM.T0005374	D	SS.GM.T0007854	C	SS.GM.T0013265	B
SS.GM.T0005375	C	SS.GM.T0007855	C	SS.GM.T0013266	B
SS.GM.T0005376	C	SS.GM.T0007856	C	SS.GM.T0013267	C
SS.GM.T0005377	D	SS.GM.T0007857	D	SS.GM.T0013328	B
SS.GM.T0005378	C	SS.GM.T0007858	C	SS.GM.T0013334	B
SS.GM.T0005379	C	SS.GM.T0007859	B	SS.GM.T0013335	B
SS.GM.T0005380	D	SS.GM.T0007860	B	SS.GM.T0013336	B
SS.GM.T0005381	B	SS.GM.T0007861	B	SS.GM.T0013339	C
SS.GM.T0005382	D	SS.GM.T0007862	D	SS.GM.T0013341	B
SS.GM.T0005383	B	SS.GM.T0007863	D	SS.GM.T0013342	B
SS.GM.T0005384	B	SS.GM.T0007864	C	SS.GM.T0013347	B
SS.GM.T0005386	D	SS.GM.T0007866	C	SS.GM.T0013348	B
SS.GM.T0005388	C	SS.GM.T0007867	D	SS.GM.T0013349	B
SS.GM.T0005389	D	SS.GM.T0007868	B	SS.GM.T0013350	B
SS.GM.T0005390	A	SS.GM.T0007869	C	SS.GM.T0013352	B
SS.GM.T0005391	D	SS.GM.T0007870	B	SS.GM.T0013408	B
SS.GM.T0005392	D	SS.GM.T0007871	B	SS.GM.T0013488	D
SS.GM.T0005393	C	SS.GM.T0007872	C	SS.GM.T0013489	C
SS.GM.T0005394	D	SS.GM.T0007875	D	SS.GM.T0013504	D
SS.GM.T0005395	B	SS.GM.T0007876	D	SS.GM.T0013538	D
SS.GM.T0005396	D	SS.GM.T0007877	C	SS.GM.T0013540	B
SS.GM.T0005397	D	SS.GM.T0007878	C	SS.GM.T0013541	B
SS.GM.T0005398	C	SS.GM.T0007880	C	SS.GM.T0013542	B
SS.GM.T0005399	B	SS.GM.T0007881	C	SS.GM.T0013543	B
SS.GM.T0005400	B	SS.GM.T0007882	C	SS.GM.T0013545	B
SS.GM.T0005401	C	SS.GM.T0007884	D	SS.GM.T0013546	B
SS.GM.T0005402	C	SS.GM.T0007885	D	SS.GM.T0013547	B
SS.GM.T0005403	D	SS.GM.T0007886	D	SS.GM.T0013548	B
SS.GM.T0005404	C	SS.GM.T0007887	B	SS.GM.T0013550	B
SS.GM.T0005405	B	SS.GM.T0007888	C	SS.GM.T0013551	B
SS.GM.T0005406	B	SS.GM.T0007895	B	SS.GM.T0013556	C

Table I-2: Gravity Sewer Ratings, Group 2

SS.GM.T0005408	B	SS.GM.T0007897	B	SS.GM.T0013676	B
SS.GM.T0005409	B	SS.GM.T0007898	B	SS.GM.T0013711	D
SS.GM.T0005490	D	SS.GM.T0007899	B	SS.GM.T0013813	B
SS.GM.T0005493	D	SS.GM.T0007900	B	SS.GM.T0013847	B
SS.GM.T0005494	D	SS.GM.T0007902	B	SS.GM.T0013849	B
SS.GM.T0005495	C	SS.GM.T0007903	C	SS.GM.T0013883	B
SS.GM.T0005496	D	SS.GM.T0007905	B	SS.GM.T0013898	B
SS.GM.T0005497	C	SS.GM.T0007956	D	SS.GM.T0013902	B
SS.GM.T0005498	B	SS.GM.T0007957	D	SS.GM.T0013904	B
SS.GM.T0005499	B	SS.GM.T0007958	C	SS.GM.T0013905	B
SS.GM.T0005500	D	SS.GM.T0007959	C	SS.GM.T0013955	B
SS.GM.T0005501	D	SS.GM.T0007960	B	SS.GM.T0014005	B
SS.GM.T0005502	B	SS.GM.T0007962	D	SS.GM.T0014013	C
SS.GM.T0005503	C	SS.GM.T0007966	C	SS.GM.T0014016	B
SS.GM.T0005504	D	SS.GM.T0007967	C	SS.GM.T0014053	B
SS.GM.T0005506	B	SS.GM.T0008001	C	SS.GM.T0014054	B
SS.GM.T0005507	D	SS.GM.T0008010	D	SS.GM.T0014099	B
SS.GM.T0005508	B	SS.GM.T0008011	C	SS.GM.T0014100	D
SS.GM.T0005510	E	SS.GM.T0008023	C	SS.GM.T0014101	B
SS.GM.T0005511	D	SS.GM.T0008024	B	SS.GM.T0014102	B
SS.GM.T0005512	B	SS.GM.T0008025	C	SS.GM.T0014103	C
SS.GM.T0005513	C	SS.GM.T0008028	B	SS.GM.T0014104	D
SS.GM.T0005514	D	SS.GM.T0008029	B	SS.GM.T0014105	B
SS.GM.T0005515	C	SS.GM.T0008030	C	SS.GM.T0014107	D
SS.GM.T0005516	B	SS.GM.T0008031	D	SS.GM.T0014108	C
SS.GM.T0005574	B	SS.GM.T0008032	C	SS.GM.T0014110	B
SS.GM.T0005575	C	SS.GM.T0008033	D	SS.GM.T0014112	D
SS.GM.T0005576	C	SS.GM.T0008035	B	SS.GM.T0014113	B
SS.GM.T0005577	B	SS.GM.T0008040	B	SS.GM.T0014114	B
SS.GM.T0005578	C	SS.GM.T0008043	D	SS.GM.T0014115	B
SS.GM.T0005579	C	SS.GM.T0008044	B	SS.GM.T0014116	C
SS.GM.T0005580	C	SS.GM.T0008051	B	SS.GM.T0014117	B
SS.GM.T0005581	B	SS.GM.T0008053	D	SS.GM.T0014121	B
SS.GM.T0005582	D	SS.GM.T0008054	D	SS.GM.T0014122	B
SS.GM.T0005780	B	SS.GM.T0008055	C	SS.GM.T0014123	B
SS.GM.T0005781	B	SS.GM.T0008056	C	SS.GM.T0014124	B
SS.GM.T0005782	D	SS.GM.T0008057	B	SS.GM.T0014125	B
SS.GM.T0005783	C	SS.GM.T0008058	C	SS.GM.T0014128	B
SS.GM.T0005784	B	SS.GM.T0008061	B	SS.GM.T0014132	C
SS.GM.T0005785	D	SS.GM.T0008062	B	SS.GM.T0014133	C
SS.GM.T0005786	B	SS.GM.T0008063	C	SS.GM.T0014138	B
SS.GM.T0005787	B	SS.GM.T0008064	D	SS.GM.T0014139	B
SS.GM.T0005789	B	SS.GM.T0008065	C	SS.GM.T0014140	D

Table I-2: Gravity Sewer Ratings, Group 2

SS.GM.T0005790	B	SS.GM.T0008066	C	SS.GM.T0014141	B
SS.GM.T0005791	B	SS.GM.T0008067	B	SS.GM.T0014142	B
SS.GM.T0005792	B	SS.GM.T0008068	B	SS.GM.T0014143	B
SS.GM.T0005793	B	SS.GM.T0008069	B	SS.GM.T0014144	B
SS.GM.T0005794	D	SS.GM.T0008070	D	SS.GM.T0014145	C
SS.GM.T0005795	B	SS.GM.T0008073	D	SS.GM.T0014148	B
SS.GM.T0005796	D	SS.GM.T0008074	C	SS.GM.T0014149	B
SS.GM.T0005797	B	SS.GM.T0008075	B	SS.GM.T0014150	B
SS.GM.T0005798	C	SS.GM.T0008076	C	SS.GM.T0014151	B
SS.GM.T0005799	C	SS.GM.T0008077	B	SS.GM.T0014152	C
SS.GM.T0005800	D	SS.GM.T0008078	B	SS.GM.T0014153	D
SS.GM.T0005801	C	SS.GM.T0008079	D	SS.GM.T0014159	C
SS.GM.T0005802	E	SS.GM.T0008080	D	SS.GM.T0014160	B
SS.GM.T0005803	D	SS.GM.T0008081	D	SS.GM.T0014161	B
SS.GM.T0005804	D	SS.GM.T0008082	B	SS.GM.T0014163	C
SS.GM.T0005805	C	SS.GM.T0008083	B	SS.GM.T0014164	B
SS.GM.T0005806	C	SS.GM.T0008084	B	SS.GM.T0014165	B
SS.GM.T0005807	B	SS.GM.T0008085	C	SS.GM.T0014166	B
SS.GM.T0005810	B	SS.GM.T0008086	C	SS.GM.T0014167	B
SS.GM.T0005811	B	SS.GM.T0008087	B	SS.GM.T0014168	B
SS.GM.T0005812	D	SS.GM.T0008088	B	SS.GM.T0014170	B
SS.GM.T0005814	D	SS.GM.T0008089	C	SS.GM.T0014171	C
SS.GM.T0005815	D	SS.GM.T0008090	C	SS.GM.T0014172	D
SS.GM.T0005817	D	SS.GM.T0008091	D	SS.GM.T0014173	B
SS.GM.T0005818	B	SS.GM.T0008094	C	SS.GM.T0014174	B
SS.GM.T0005819	B	SS.GM.T0008095	D	SS.GM.T0014175	B
SS.GM.T0005820	C	SS.GM.T0008096	C	SS.GM.T0014176	B
SS.GM.T0005821	C	SS.GM.T0008097	D	SS.GM.T0014177	C
SS.GM.T0005822	B	SS.GM.T0008098	D	SS.GM.T0014180	D
SS.GM.T0005823	D	SS.GM.T0008099	B	SS.GM.T0014181	D
SS.GM.T0005824	C	SS.GM.T0008100	B	SS.GM.T0014186	D
SS.GM.T0005826	C	SS.GM.T0008101	C	SS.GM.T0014187	D
SS.GM.T0005827	C	SS.GM.T0008102	B	SS.GM.T0014191	D
SS.GM.T0005830	B	SS.GM.T0008103	B	SS.GM.T0014192	D
SS.GM.T0005831	B	SS.GM.T0008117	D	SS.GM.T0014193	B
SS.GM.T0005833	B	SS.GM.T0008118	C	SS.GM.T0014195	C
SS.GM.T0005834	D	SS.GM.T0008119	D	SS.GM.T0014196	D
SS.GM.T0005839	D	SS.GM.T0008120	D	SS.GM.T0014205	B
SS.GM.T0005840	B	SS.GM.T0008121	D	SS.GM.T0014206	C
SS.GM.T0005841	C	SS.GM.T0008122	D	SS.GM.T0014207	B
SS.GM.T0005842	B	SS.GM.T0008123	C	SS.GM.T0014208	B
SS.GM.T0005843	B	SS.GM.T0008124	B	SS.GM.T0014209	B
SS.GM.T0005844	B	SS.GM.T0008125	C	SS.GM.T0014210	C

Table I-2: Gravity Sewer Ratings, Group 2

SS.GM.T0005845	B
SS.GM.T0005846	D
SS.GM.T0005847	B
SS.GM.T0005848	C
SS.GM.T0005849	B
SS.GM.T0005885	D
SS.GM.T0005889	B
SS.GM.T0005890	B
SS.GM.T0005891	D
SS.GM.T0005892	C
SS.GM.T0005893	D
SS.GM.T0005894	C
SS.GM.T0005895	D
SS.GM.T0005896	C
SS.GM.T0005897	D
SS.GM.T0005898	D
SS.GM.T0005899	C
SS.GM.T0005900	B
SS.GM.T0005901	D
SS.GM.T0005902	D
SS.GM.T0005903	B
SS.GM.T0005904	B
SS.GM.T0006028	B
SS.GM.T0006029	C
SS.GM.T0006031	B

SS.GM.T0008126	B
SS.GM.T0008128	B
SS.GM.T0008212	B
SS.GM.T0008213	B
SS.GM.T0008214	B
SS.GM.T0008215	B
SS.GM.T0008217	B
SS.GM.T0008218	B
SS.GM.T0008225	D
SS.GM.T0008226	C
SS.GM.T0008227	C
SS.GM.T0008230	B
SS.GM.T0008232	B
SS.GM.T0008233	C
SS.GM.T0008234	C
SS.GM.T0008235	B
SS.GM.T0008236	D
SS.GM.T0008237	B
SS.GM.T0008238	C
SS.GM.T0008239	C
SS.GM.T0008240	C
SS.GM.T0008241	C
SS.GM.T0008265	E
SS.GM.T0008267	C
SS.GM.T0008268	B

SS.GM.T0014211	C
SS.GM.T0014212	C
SS.GM.T0014213	C
SS.GM.T0014215	D
SS.GM.T0014216	C
SS.GM.T0014217	B
SS.GM.T0014218	D
SS.GM.T0014218	B
SS.GM.T0014220	B
SS.GM.T0014221	B
SS.GM.T0014226	B
SS.GM.T0014226	B
SS.GM.T0014229	B
SS.GM.T0014231	B
SS.GM.T0014232	B
SS.GM.T0014233	C
SS.GM.T0014234	B
SS.GM.T0014235	B
SS.GM.T0014236	B
SS.GM.T0014237	B
SS.GM.T0014238	C
SS.GM.T0014239	B
SS.GM.T0014244	C
SS.GM.T0014259	C
SS.GM.T0014260	C

Table I-3: Manhole Ratings, Group 2

Manhole ID	Condition	Basin	Address
SS.MH.T0000366	B	8	113 N. NW LOOP 323
SS.MH.T0000373	D	15	601 N BOIS ARC. AVE.
SS.MH.T0000374	B	15	508 W OAKWOOD ST
SS.MH.T0000375	Group 1	15	525 N SPRING AVE
SS.MH.T0000376	D	15	300 BLK N COLLEGE AVE
SS.MH.T0000377	B	15	205 W LOCUST ST
SS.MH.T0000379	D	15	210 W FERGUSON ST
SS.MH.T0000380	B	15	200 BLK W FERGUSON ST
SS.MH.T0000381	C	15	110 N COLLEGE AVE
SS.MH.T0000382	D	15	324 W FERGUSON ST
SS.MH.T0000383	C	15	412 W FERGUSON ST
SS.MH.T0000384	D	15	301 W FERGUSON ST
SS.MH.T0000385	Group 1	15	100 BLK E LOCUST ST
SS.MH.T0000386	D	15	217E LOCUST ST
SS.MH.T0000387	C	15	628 W OAKWOOD ST
SS.MH.T0000388	C	15	628 OAKWOOD ST
SS.MH.T0000389	C	15	711 FERFUSON ST
SS.MH.T0000409	C	8	800 BLK. N. PARKDALE DR.
SS.MH.T0000727	C	8	1000 BELLAIRE DR.
SS.MH.T0000764	C	15	709 W LINE
SS.MH.T0000765	B	15	627 LINE ST
SS.MH.T0000767	B	15	726 WEST ELM ST
SS.MH.T0000768	D	15	514 W ELM ST
SS.MH.T0000769	Group 1	15	525 N SPRING AVE
SS.MH.T0000770	Group 1	15	527 W. ERWIN ST.
SS.MH.T0000887	Group 1	15	800 W. ERWIN ST.
SS.MH.T0000888	Group 1	15	800 BLK. W. ERWIN ST.
SS.MH.T0000895	B	15	517 N ELLIS AVE
SS.MH.T0000896	C	15	623 W OAKWOOD ST
SS.MH.T0000898	C	8	1718 BELVEDERE BLVD
SS.MH.T0000899	C	8	1815 BELVEDEREE BLVD
SS.MH.T0000900	B	8	1900 BLK BELVEDERE ST
SS.MH.T0000941	D	8	1700 W CLAUDE ST
SS.MH.T0001017	C	8	121 N. NW LOOP 323
SS.MH.T0001018	D	8	2101 N FOREST AVE
SS.MH.T0001020	B	15	206 S PALACE ST
SS.MH.T0001021	D	15	220 S PALACE AVE
SS.MH.T0001022	D	15	220 S PALACE AVE
SS.MH.T0001028	B	8	3223 GAEDEN VALLEY RD
SS.MH.T0001029	B	8	3217 W TULSA ST
SS.MH.T0001030	B	8	2800 ROSEMONT ST
SS.MH.T0001031	D	8	2809 ROSEMONT ST
SS.MH.T0001032	B	8	1300 BRADLEY AVE
SS.MH.T0001033	B	8	3220 GARDEN VALLEY RD
SS.MH.T0001034	D	8	3200 GARDEN VALLEY RD.
SS.MH.T0001035	Group 1	8	1500 BLK N NW LOOP 323
SS.MH.T0001036	Group 1	8	NO NUMBER N NW LOOP 323
SS.MH.T0001037	Group 1	8	2926 GARDEN VALLEY RD
SS.MH.T0001038	Group 1	8	2804 GARDEN VALLEY RD.
SS.MH.T0001039	Group 1	8	1200 BLK. SHAWNEE BLVD.
SS.MH.T0001040	Group 1	8	2805 GARDEN VALLEY RD.
SS.MH.T0001041	Group 1	8	2804 GARDEN VALLEY RD.
SS.MH.T0001042	Group 1	8	2804 GARDEN VALLEY RD.
SS.MH.T0001043	B	8	2728 GARDEN VALLEY RD

Table I-3: Manhole Ratings, Group 2

SS.MH.T0001069	C	8	3400 BLK VAN HWY
SS.MH.T0001070	B	8	3415 VAN HWY
SS.MH.T0001071	B	8	3309 VAN HWY
SS.MH.T0001072	B	8	3218 VAN HWY
SS.MH.T0001073	D	8	3129 VAN HWY
SS.MH.T0001076	Group 1	8	1500 BLK N NW LOOP 323
SS.MH.T0001079	D	8	3515 W ELM
SS.MH.T0001080	D	8	133 DONNA DR
SS.MH.T0001081	C	8	NONE MELINDA LN
SS.MH.T0001082	C	8	105 TOURNAMENT
SS.MH.T0001083	D	8	105 TOURNAMENT RD
SS.MH.T0001084	Group 1	8	3400 BLK W ERWIN ST
SS.MH.T0001085	C	8	3205 W ERWIN ST
SS.MH.T0001086	B	8	3523 W ERWIN ST
SS.MH.T0001087	C	8	1730 N NW LOOP 323
SS.MH.T0001088	B	8	3523 W ERWIN ST
SS.MH.T0001089	C	8	110 S SW LOOP 323
SS.MH.T0001092	D	8	3616 DONNA DR
SS.MH.T0001099	B	8	1320 N. NW LOOP 323
SS.MH.T0001100	D	8	1100 BLK. N. NW LOOP 323
SS.MH.T0001126	C	8	113 N NW LOOP 323
SS.MH.T0001127	C	8	105 N. NW LOOP 323
SS.MH.T0001128	D	8	105 N. NW LOOP 323
SS.MH.T0001129	B	8	121 N. NW LOOP 323
SS.MH.T0001130	C	8	3205 W ERWIN ST
SS.MH.T0001131	Group 1	8	3205 W ERWIN ST
SS.MH.T0001132	C	8	3523 W ERWIN ST
SS.MH.T0001133	D	8	3523 W ERWIN ST
SS.MH.T0001134	D	15	800 BLK N SPRING AVE
SS.MH.T0001200	C	8	3000 BLK. CHANDLER HWY.
SS.MH.T0001249	C	15	513 W GOODMAN ST
SS.MH.T0001250	D	15	NO # US HWY 69 MH confirmed on video. 186' DS of SS.MH.T0020043
SS.MH.T0001251	D	15	700 BLK N SPRING AVE
SS.MH.T0001252	Group 1	15	200 N N. BROADWAY AVE.
SS.MH.T0001253	Group 1	15	400 BLK. N. BROADWAY AVE.
SS.MH.T0001254	Group 1	15	300 BLK. N. BROADWAY AVE.
SS.MH.T0001255	Group 1	15	221 N SPRING ST
SS.MH.T0001257	C	15	210 E OAKWOOD ST
SS.MH.T0001713	C	8	834 N PARKDALE DR
SS.MH.T0001714	C	8	2401 NORTHCREST DR
SS.MH.T0001715	D	8	710N FOREST AVE
SS.MH.T0001716	D	8	710N FOREST AVE
SS.MH.T0001717	D	8	517 N FORREST AVE
SS.MH.T0001718	C	8	511N FOREST AVE
SS.MH.T0001719	D	8	500 NORTHCREST DR
SS.MH.T0001720	C	8	510 N PARKDALE DR
SS.MH.T0001721	D	8	2416 W OAKWOOD ST
SS.MH.T0001722	C	8	2510 W OAKWOOD ST
SS.MH.T0001723	D	8	2502 W OAKWOOD ST
SS.MH.T0001724	Group 1	8	2530 W OAKWOOD ST
SS.MH.T0001725	Group 1	8	508 PAMELA DR
SS.MH.T0001726	D	8	612 PAMELA DR
SS.MH.T0001727	C	8	612 PAMELA DR
SS.MH.T0001728	B	8	2515 NORTHCREST DR

Table I-3: Manhole Ratings, Group 2

SS.MH.T0001729	D	8	2534 NORTHCREST DR
SS.MH.T0001730	Group 1	8	3205 W ERWIN ST
SS.MH.T0001731	Group 1	8	3205 W ERWIN ST
SS.MH.T0001732	C	8	1815 BELVEDERE BLVD
SS.MH.T0001733	C	8	1912 BELVEDERE BLVD
SS.MH.T0001734	C	8	2022 BELVEDERE BLVD
SS.MH.T0001735	C	8	2002 BELVEDERE BLVD
SS.MH.T0001736	C	8	2013 WOODLAWN ST
SS.MH.T0001737	C	8	1227 BELLAIRE DR
SS.MH.T0001738	D	8	1927 N. FOREST AVE.
SS.MH.T0001739	D	8	2022 BELVEDERE BLVD.MH confirmed on video. 140' DS of 01018
SS.MH.T0001740	C	8	1900 BLK FOREST AVE
SS.MH.T0001741	D	8	2139 N. FOREST AVE.
SS.MH.T0001742	D	8	2200 BLK GARDEN VALLEY RD
SS.MH.T0001743	C	8	2200 GARDEN VLLY RD
SS.MH.T0001744	C	8	2100 GARDEN VALLEY RD
SS.MH.T0001745	C	8	1900 BLK GARDEN VALLEY RD
SS.MH.T0001746	B	8	2100 N BARRON AVE
SS.MH.T0001747	B	8	1734 GARDEN VLLY RD
SS.MH.T0001748	D	8	1915 GARDEN VALLEY RD
SS.MH.T0001750	C	8	2322 GARDEN VALLEY RD
SS.MH.T0001751	D	8	925 BELLAIRE DR
SS.MH.T0001752	D	8	2300 BLK GARDEN VALLEY
SS.MH.T0001753	C	8	2500 BLK GARDEN VLLY RD
SS.MH.T0001754	D	8	1220 PARKDALE DR
SS.MH.T0001755	D	8	1000 BLK BELLAIRE DR
SS.MH.T0001756	C	8	2219 W SHERWOOD ST
SS.MH.T0001757	D	8	4318 MC CULLAR DR
SS.MH.T0001758	C	8	2418 CALDWELL BLVD
SS.MH.T0001759	B	8	2614 CALDWELL BLVD
SS.MH.T0001760	D	8	2535 NORTHCREST DR
SS.MH.T0001761	Group 1	8	3205 W ERWIN ST
SS.MH.T0001762	Group 1	8	3205 W ERWIN ST
SS.MH.T0001763	Group 1	8	3205 W ERWIN ST
SS.MH.T0001764	Group 1	8	3205 W ERWIN ST
SS.MH.T0001765	Group 1	8	2520 W OAKWOOD ST
SS.MH.T0001766	D	8	605 N PARKDALE DR
SS.MH.T0001767	Group 1	8	3205 W ERWIN ST
SS.MH.T0001768	Group 1	8	NO NUMBER N PARKDALE DR
SS.MH.T0001769	Group 1	8	3205 W ERWIN ST
SS.MH.T0001770	Group 1	8	39 40
SS.MH.T0001771	Group 1	8	202 N PARKDALE DR
SS.MH.T0001772	B	8	215N PARKDALE DR
SS.MH.T0001773	C	8	215 N PARKDALE DR
SS.MH.T0001774	D	8	300 N PARK DALE DR
SS.MH.T0001775	D	8	300 N PARKDALE DR
SS.MH.T0001776	C	8	312 KATHY CIR
SS.MH.T0001777	D	8	316 KATHY CIR.
SS.MH.T0001778	D	8	2402 W CLAUDE ST
SS.MH.T0001779	D	8	1625 W. GENTRY PKWY.
SS.MH.T0001781	D	8	2300 BLK. W. GENTRY PKWY.
SS.MH.T0001782	B	8	2300 BLK. W. GENTRY PKWY.
SS.MH.T0001783	D	8	2310 W. GENTRY PKWY.
SS.MH.T0001784	C	8	2300 BLK. W. GENTRY PKWY.

Table I-3: Manhole Ratings, Group 2

SS.MH.T0001785	B	8	2322 WOODLAWN ST
SS.MH.T0001786	D	8	1500 BLK. W. GENTRY PKWY.
SS.MH.T0001787	C	8	1500 BLK. W. GENTRY PKWY.
SS.MH.T0001788	D	8	1625 W. GENTRY PKWY.
SS.MH.T0001799	C	8	2100 BANDERA DR
SS.MH.T0001800	D	8	2118 BANDERA DR
SS.MH.T0001802	D	8	409 N BARREN AVE
SS.MH.T0001803	D	8	1801 W ERWIN ST
SS.MH.T0001804	B	8	1815 W ERWIN ST
SS.MH.T0001805	B	8	209N FOREST AVE
SS.MH.T0001807	C	8	401 BANDERA DR.
SS.MH.T0001808	C	8	2006 ERWIN ST
SS.MH.T0001809	D	8	2014 W ERWIN ST
SS.MH.T0001810	C	8	225 DAYTON ST
SS.MH.T0001811	D	8	1700 W CLAUDE ST
SS.MH.T0001812	D	8	1700 W CLAUDE ST
SS.MH.T0001813	Group 1	8	1825 W ERWIN ST
SS.MH.T0001814	Group 1	8	2021 W ERWIN ST
SS.MH.T0001815	Group 1	8	1915 W ERWIN ST
SS.MH.T0001816	B	8	1915 ERWIN ST
SS.MH.T0001817	C	8	2214 W ERWIN ST
SS.MH.T0001818	C	8	2209 W ELM ST
SS.MH.T0001819	C	8	204 MIKE AVE
SS.MH.T0001820	C	8	234 S MIKE AVE
SS.MH.T0001821	D	8	220 S LYONS AVE
SS.MH.T0001822	D	8	316 S LYONS ST
SS.MH.T0001823	B	8	202 S BOON AVE
SS.MH.T0001824	B	8	1821 PINE ST
SS.MH.T0001825	C	8	411 FAIR PARK DR.
SS.MH.T0001826	C	8	400 BLK. S. LYONS AVE.
SS.MH.T0001827	D	8	2200 BLK. W. FRONT ST.
SS.MH.T0001828	D	8	2718 W GENTRY PKWY
SS.MH.T0001829	Group 1	8	1614 W. ERWIN ST.
SS.MH.T0001830	Group 1	8	200 BLK. S. GLENWOOD BLVD.
SS.MH.T0001831	C	8	203 S GLENWOOD ST
SS.MH.T0001832	D	8	211 S GLENWOOD BLVD
SS.MH.T0001833	B	8	211 S GLENWOOD BLVD
SS.MH.T0001834	C	8	STATE HWY 64 AT WEST PINE ST
SS.MH.T0001835	Group 1	8	238 S. GLENWOOD BLVD.
SS.MH.T0001836	D	8	1519 PARK ST
SS.MH.T0001837	D	8	305 S HILL AVE
SS.MH.T0001838	C	8	313 S HILL AVE
SS.MH.T0001839	C	8	1801 W ERWIN ST
SS.MH.T0001840	D	8	409 N BARREN AVE
SS.MH.T0001841	D	8	2302 PINE BURR RD
SS.MH.T0001842	D	8	705 LYONS AVE
SS.MH.T0001843	D	8	500 BLK. S. LYONS AVE.MH confirmed on video. 178' US of 02619 and 165' DS of 1848
SS.MH.T0001844	B	8	600 BLK. S. LYONS AVE.
SS.MH.T0001845	B	8	411 FAIR PARK DR.
SS.MH.T0001847	D	8	2000 BLK. FAIR PARK DR. MH confirmed on video. 454' US of 01845
SS.MH.T0001848	C	8	609 FAIR PARK DR
SS.MH.T0001850	D	8	609 FAIR PARK DR
SS.MH.T0001851	E	8	2002 BELLWOOD RD.

Table I-3: Manhole Ratings, Group 2

SS.MH.T0001852	D	8	2002 BELLWOOD RD.
SS.MH.T0001853	D	8	1900 BELLWOOD RD.
SS.MH.T0001854	D	8	700 BLK. S. LYONS AVE.
SS.MH.T0001855	D	8	900 BLK. S. LYONS ST.
SS.MH.T0001856	C	8	2017 W. JACKSON ST.
SS.MH.T0001857	B	8	1004 S. ACADEMY ST.
SS.MH.T0001858	B	8	1000 BLK. S. PEACH AVE.
SS.MH.T0001859	B	8	927 S. PEACH AVE.
SS.MH.T0001860	B	8	842 S. PEACH AVE.
SS.MH.T0001861	B	8	900 BLK. S. ACADEMY AVE.
SS.MH.T0001862	D	8	2002 BELLWOOD RD
SS.MH.T0001863	D	8	814 S. PEACH AVE.
SS.MH.T0001864	D	8	927 S. PEACH AVE.
SS.MH.T0001865	C	8	1400 BLK. W. CONNALLY ST.
SS.MH.T0001866	C	8	1511 BELLWOOD RD.
SS.MH.T0001867	B	8	731 HURT AVE.
SS.MH.T0001868	B	8	702 S. PEACH AVE.
SS.MH.T0001869	B	8	702 S. PEACH AVE.
SS.MH.T0001870	C	8	1918 W. ROBBINS ST.
SS.MH.T0001871	D	8	1411 W. CONNALLY ST.
SS.MH.T0001872	B	8	1403 S. PEACH AVE.
SS.MH.T0001878	D	8	2700 BLK. VAN HWY.
SS.MH.T0001879	C	8	2642 W GENTRY PKWY
SS.MH.T0001880	C	8	2642 W GENTRY PKWY
SS.MH.T0001881	D	8	1699 SHAWNEE BLVD
SS.MH.T0001882	D	8	1427 SHAWNEE BLVD
SS.MH.T0001883	D	8	2600 BLK CANTON ST
SS.MH.T0001884	B	8	1625 WICHITA AVE
SS.MH.T0001885	D	8	2400 BLK. W. GENTRY PKWY.
SS.MH.T0001886	D	8	1800 LAWTON DR
SS.MH.T0001887	D	8	3000 VAN HWY
SS.MH.T0001888	B	8	3000 BLK GARDEN VALLEY RD
SS.MH.T0001889	D	8	300 BLK GARDEN VALLEY RD
SS.MH.T0001899	B	8	2721 GARDEN VALLEY RD
SS.MH.T0001900	Group 1	8	200 BLK N PARKDALE DR
SS.MH.T0001901	Group 1	8	2317 STATE HWY 64
SS.MH.T0001902	Group 1	8	2317 STATE HWY 64
SS.MH.T0001903	Group 1	8	2371 STATE HWY 64
SS.MH.T0001904	Group 1	8	2371 STATE HWY 64
SS.MH.T0001905	Group 1	8	2325 STATE HWY 64
SS.MH.T0001906	Group 1	8	2329 STATE HWY 64
SS.MH.T0001907	Group 1	8	2302 STATE HWY 64
SS.MH.T0001908	Group 1	8	2302 STATE HWY 64
SS.MH.T0001909	B	8	2614 W. ERWIN ST.
SS.MH.T0001910	C	8	2700 BLK. CHANDLER HWY.
SS.MH.T0001911	D	8	202 N. PARKDALE DR.
SS.MH.T0001912	C	8	2800 W. ERWIN ST.
SS.MH.T0001913	C	8	2800 W. ERWIN ST.
SS.MH.T0001914	D	8	2800 BLK. CHANDLER ST.
SS.MH.T0001915	D	8	2701 W. ERWIN ST.
SS.MH.T0001916	C	8	2214 W ERWIN ST
SS.MH.T0001918	D	8	2323 W FRONT ST
SS.MH.T0001919	D	8	2323 W FRONT ST
SS.MH.T0001921	D	8	2300 BLK. W. FRONT ST.
SS.MH.T0001922	D	8	2323 WEST FRONT ST

Table I-3: Manhole Ratings, Group 2

SS.MH.T0001923	D	8	2600 BLK. W. FRONT ST.
SS.MH.T0001924	C	8	2700 BLK. W. FRONT ST.
SS.MH.T0001925	D	8	2700 BLK. W. FRONT ST.
SS.MH.T0001926	D	8	2822 W. FRONT ST.
SS.MH.T0001927	D	8	2822 W. FRONT ST.
SS.MH.T0001928	B	8	430 S. PARKDALE DR.
SS.MH.T0001930	B	8	508 S. PARKDALE DR.
SS.MH.T0001931	D	8	522 S. PARKDALE DR.
SS.MH.T0001932	D	8	2402 MAPLEWOOD PL.
SS.MH.T0001933	C	8	2410 MAPLEWOOD PL.
SS.MH.T0001934	C	8	2405 PINEBURR RD.
SS.MH.T0001935	B	8	2710 PINEBURR RD.
SS.MH.T0001936	D	8	519 SOUTHGATE AVE.
SS.MH.T0001937	B	8	3005 PIN OAK ST.
SS.MH.T0001938	B	8	3015 CHANDLER ST.
SS.MH.T0001939	C	8	200 BLK. GOLF AVE.
SS.MH.T0001940	C	8	3200 BLK. W. PINE ST.
SS.MH.T0001941	D	8	3215 PINE ST.
SS.MH.T0001942	D	8	307 S. VAUGHN AVE.
SS.MH.T0001943	D	8	3008 W. ERWIN ST.
SS.MH.T0001944	D	8	3000 BLK. W. ERWIN ST.
SS.MH.T0001945	D	8	3100 BLK. W. ERWIN ST.
SS.MH.T0001946	C	8	214 WILLOWBROOK AVE.
SS.MH.T0001947	D	8	207 WILLOWBROOK AVE.
SS.MH.T0001948	D	8	118 TOURNAMENT RD.
SS.MH.T0001964	B	8	3220 GARDEN VALLEY RD
SS.MH.T0001965	B	8	3116 TULSA ST
SS.MH.T0001966	D	8	1527 LOOP 323
SS.MH.T0001967	C	8	3000 BLK GARDEN VALLEY RD
SS.MH.T0001968	D	8	3312 GARDEN VALLEY RD
SS.MH.T0001969	C	8	3000 BLK GARDEN VALLEY RD
SS.MH.T0001970	D	8	1631 LOOP 323
SS.MH.T0001971	D	8	214 MELINDA LN
SS.MH.T0001972	B	8	216 TOURNAMENT RD.
SS.MH.T0001976	C	8	3205 W ERWIN ST
SS.MH.T0001977	Group 1	8	3205 W ERWIN ST
SS.MH.T0001978	Group 1	8	2926 GARDEN VALLEY RD
SS.MH.T0001979	Group 1	8	3205 W ERWIN ST
SS.MH.T0001981	Group 1	8	3205 W ERWIN ST
SS.MH.T0001982	C	8	2926 GARDEN VALLEY RD
SS.MH.T0001983	Group 1	8	3205 W ERWIN ST
SS.MH.T0002004	D	8	2500 BLK BELVEDDERE BLVD
SS.MH.T0002005	C	8	1423 HAWTHORNE AVE
SS.MH.T0002006	C	8	1422 HAWTHORNE AVE
SS.MH.T0002007	C	8	2643 ROSEMONT ST
SS.MH.T0002008	B	8	1422 HAWTHORNE AVE
SS.MH.T0002009	B	8	2430 BELVEDERE BLVD
SS.MH.T0002010	D	8	2322 W. ROSEMONT ST.
SS.MH.T0002011	C	8	2519 ROSEMONT ST
SS.MH.T0002012	C	8	2513 ROSEMONT ST
SS.MH.T0002013	B	8	1700 BLK WISTERIA DR
SS.MH.T0002014	C	8	1700 BLK WISTERIA DR
SS.MH.T0002015	B	8	1321 KENILWORTH AVE
SS.MH.T0002016	D	8	2507 SHERWOOD ST
SS.MH.T0002018	Group 1	8	3205 W ERWIN ST

Table I-3: Manhole Ratings, Group 2

SS.MH.T0002019	Group 1	8	3205 W ERWIN ST
SS.MH.T0002020	D	8	2400 BELVEDERE BLVD
SS.MH.T0002021	D	8	1411 N HAWTHORNE AVE
SS.MH.T0002022	D	8	200 S. VAUGHN AVE.
SS.MH.T0002023	Group 1	8	3205 W ERWIN ST
SS.MH.T0002024	Group 1	8	3205 W ERWIN ST
SS.MH.T0002025	Group 1	8	2371 STATE HWY 64
SS.MH.T0002026	C	8	300 S BOON AVE
SS.MH.T0002027	C	8	1723 W ELM ST
SS.MH.T0002028	B	8	314 S PEACH AVE
SS.MH.T0002029	B	8	310 S BRUCK AVE
SS.MH.T0002030	B	8	210 S BRUCK AVE
SS.MH.T0002031	B	8	402 HILLCREST AVE.
SS.MH.T0002032	B	8	2100 BLK. W. FRONT ST.
SS.MH.T0002033	B	8	3005 PIN OAK ST.
SS.MH.T0002034	D	8	609 FAIR PARK DR
SS.MH.T0002035	D	8	609 FAIR PARK DR
SS.MH.T0002036	B	8	609 FAIR PARK DR
SS.MH.T0002037	B	8	1900 BELLWOOD RD.
SS.MH.T0002038	B	8	1309 S. PEACH ST.
SS.MH.T0002040	D	8	114 N GASTON AVE
SS.MH.T0002041	D	8	205 S FENTON AVE
SS.MH.T0002100	B	8	800 BLK. S. LYONS ST.
SS.MH.T0002147	D	8	1027 S. LYONS AVE.
SS.MH.T0002534	D	15	500 BLK. W. LOCUST ST.
SS.MH.T0002535	D	8	NONE AUBURNDALE BLVD
SS.MH.T0002536	C	8	1710 GENTRY PKWY
SS.MH.T0002537	C	8	1700 BLK FOREST AVE
SS.MH.T0002538	D	8	1025 N GLENWOOD BLVD
SS.MH.T0002539	D	8	1808 W. GENTRY PKWY.
SS.MH.T0002540	C	8	1803 W. GENTRY PKWY.
SS.MH.T0002541	C	8	1300 BLK. N. GLENWOOD BLVD.
SS.MH.T0002542	C	8	1803 W. GENTRY PKWY.
SS.MH.T0002543	C	8	1905 W. GENTRY PKWY.
SS.MH.T0002544	C	8	1900 BLK. W. GENTRY PKWY.
SS.MH.T0002545	D	8	2045 WOODLAWN ST
SS.MH.T0002546	D	8	NO # W OAKWOOD ST
SS.MH.T0002547	D	8	1908 W OAKWOOD ST
SS.MH.T0002548	B	8	605 MAXWELL DR
SS.MH.T0002549	B	8	500 N BARREN AVE
SS.MH.T0002550	D	8	517 BARREN AVE
SS.MH.T0002551	D	8	701 N BARRON AVE
SS.MH.T0002552	D	8	610 N DAYTON ST
SS.MH.T0002553	C	8	610 N DAYTON ST
SS.MH.T0002554	C	8	515 BANDERA DR
SS.MH.T0002555	D	8	515 N DAYTON ST
SS.MH.T0002556	D	8	1700 W CLAUDE ST
SS.MH.T0002557	C	8	709 110
SS.MH.T0002558	C	8	1575 W OAKWOOD ST
SS.MH.T0002559	D	8	500 BLCK STATE HWY 110
SS.MH.T0002560	C	8	504 STATE HWY 110
SS.MH.T0002561	C	8	1412 W LOLLAR ST
SS.MH.T0002562	D	8	427 W OAKWOOD ST
SS.MH.T0002563	D	8	817 W OAKWOOD ST
SS.MH.T0002564	C	8	426 N MOORE AVE.

Table I-3: Manhole Ratings, Group 2

SS.MH.T0002565	D	8	1010 CHARLES ST
SS.MH.T0002566	D	8	1007W LOLLAR ST
SS.MH.T0002567	B	8	1010 W LOLLAR ST
SS.MH.T0002568	D	8	403 N ROSS AVE
SS.MH.T0002569	B	8	427 W. OAKWOOD ST
SS.MH.T0002570	D	8	1018 W PAUL ST
SS.MH.T0002571	B	8	1018 W PAUL ST
SS.MH.T0002572	D	8	317 N ROSS AVE
SS.MH.T0002573	B	8	1221 W PAUL ST
SS.MH.T0002574	D	8	1221 W CLAUDE ST MH confirmed on video. 202' DS of 2573
SS.MH.T0002575	C	8	211 N ROSS AVE
SS.MH.T0002576	D	8	102 W CLAUDE ST
SS.MH.T0002578	D	8	702 N GASTON AVE
SS.MH.T0002579	C	8	1412 W OAKWOOD ST
SS.MH.T0002580	C	8	504 W OAKWOOD ST
SS.MH.T0002583	B	8	1606 GARDEN VALLEY RD
SS.MH.T0002584	B	8	617 N HILL AVE
SS.MH.T0002585	D	8	613 N GLENWOOD BLVD
SS.MH.T0002586	D	8	102 W CLAUDE ST
SS.MH.T0002587	B	8	122 N ROSS AVE
SS.MH.T0002588	Group 1	8	1117 W. ERWIN ST.
SS.MH.T0002589	Group 1	8	1117 W. ERWIN ST.
SS.MH.T0002590	Group 1	8	1302 W. ERWIN ST.
SS.MH.T0002591	Group 1	8	1302 W. ERWIN ST.
SS.MH.T0002592	D	8	1105 W ERWIN ST
SS.MH.T0002593	D	8	909 W ERWIN ST
SS.MH.T0002594	D	8	800 BLK. W. ERWIN ST.
SS.MH.T0002595	B	8	K824 W ERWIN ST
SS.MH.T0002596	B	8	111 N PALACE AVE
SS.MH.T0002597	C	8	200 N CONFEDARATE ST
SS.MH.T0002598	C	8	211 N HILL AVE
SS.MH.T0002599	D	8	308 N HILL AVE
SS.MH.T0002600	C	8	1420 W PAUL ST
SS.MH.T0002601	D	8	1405 W CLAUD ST
SS.MH.T0002602	C	8	1139 N HILL ST
SS.MH.T0002603	D	8	126 N GASTON AVE
SS.MH.T0002604	B	8	115 N HILL AVE
SS.MH.T0002605	Group 1	8	1522 W. ERWIN ST.
SS.MH.T0002606	Group 1	8	1522 W. ERWIN ST.
SS.MH.T0002607	Group 1	8	1700 BLK. W. ERWIN ST.
SS.MH.T0002608	Group 1	8	1700 BLK. W. ERWIN ST.
SS.MH.T0002609	Group 1	8	1500 BLK. W. ERWIN ST.
SS.MH.T0002610	Group 1	8	1326 W. ERWIN ST.
SS.MH.T0002611	Group 1	8	1326 W. ERWIN ST.
SS.MH.T0002612	C	8	423 S. FENTON AVE.
SS.MH.T0002613	C	8	438 S. PEACH AVE.
SS.MH.T0002614	B	8	400 BLK. S. PEACH AVE.
SS.MH.T0002615	B	8	400 BLK. S. PEACH AVE.
SS.MH.T0002616	D	8	1606 E HOUSTON ST
SS.MH.T0002617	C	8	1511 BELLWOOD RD.
SS.MH.T0002618	D	8	427 S. GLENWOOD BLVD.
SS.MH.T0002619	C	8	500 BLK. S. LYONS AVE.
SS.MH.T0002620	D	8	1605 W FRONT ST
SS.MH.T0002621	C	8	1475 W FRONT ST
SS.MH.T0002622	Group 1	8	1300 BLK. W. FRONT ST.

Table I-3: Manhole Ratings, Group 2

SS.MH.T0002623	Group 1	8	344 S. GLENWOOD BLVD.
SS.MH.T0002624	Group 1	8	300 BLK. S. GLENWOOD BLVD.
SS.MH.T0002625	Group 1	8	300 BLK. S. GLENWOOD BLVD.
SS.MH.T0002626	B	8	1517 W FRONT ST
SS.MH.T0002627	Group 1	8	300 BLK. S. GLENWOOD BLVD.
SS.MH.T0002628	C	8	1310 W ELM ST
SS.MH.T0002631	C	8	1014 FRONT ST
SS.MH.T0002632	B	8	1014 W FRONT ST
SS.MH.T0002633	C	8	1014 FRONT ST
SS.MH.T0002634	C	8	825 W FRONT ST
SS.MH.T0002635	C	8	1100 W PARK ST
SS.MH.T0002637	D	8	1108 W HICKORY ST
SS.MH.T0002638	C	8	1000 BLK W ELM ST
SS.MH.T0002639	D	8	1100 W ELM ST
SS.MH.T0002640	Group 1	8	500 BLK. S. GLENWOOD BLVD.
SS.MH.T0002641	C	8	500 BLK. S. GLENWOOD BLVD.
SS.MH.T0002642	C	8	506 S. CONFEDERATE AVE.
SS.MH.T0002643	Group 1	8	432 S. GLENWOOD BLVD.
SS.MH.T0002644	Group 1	8	500 BLK. S. GLENWOOD BLVD.
SS.MH.T0002645	Group 1	8	409 S. GLENWOOD BLVD.
SS.MH.T0002646	B	8	1400 BLK. BELLWOOD RD.
SS.MH.T0002647	C	8	436 S HILL AVE
SS.MH.T0002649	D	8	511 MCCAIN DR
SS.MH.T0002650	B	8	512 MCCAIN DR
SS.MH.T0002651	D	8	512 MCCAIN DR
SS.MH.T0002652	B	8	1600 BLK. W. HOUSTON ST.
SS.MH.T0002653	D	8	412 S FENTON AVE
SS.MH.T0002654	B	8	428 S. FENTON AVE.
SS.MH.T0002655	B	8	1110 S. ACADEMY ST.
SS.MH.T0002656	B	8	1927 W. SHAW ST.
SS.MH.T0002657	B	8	2000 BLK. W. SHAW ST.
SS.MH.T0002658	D	8	2115 W. SHAW ST.
SS.MH.T0002659	B	8	100 BLK. S. PEACH AVE.
SS.MH.T0002660	D	8	1300 BLK. S. LYONS AVE.
SS.MH.T0002661	C	8	2000 BLK. W. 2ND ST.
SS.MH.T0002662	D	8	1900 BLK. W. 2ND ST.
SS.MH.T0002663	B	8	1200 BLK. S. PEACH AVE.
SS.MH.T0002664	B	8	1309 S. PEACH AVE.
SS.MH.T0002665	B	8	1900 BLK LAWTON DR
SS.MH.T0002666	D	8	2300 BLK. W. GENTRY PKWY.
SS.MH.T0002667	D	8	2501 US HWY 69
SS.MH.T0002668	B	8	2810 CANTON ST
SS.MH.T0002669	C	8	2829 CANTON ST
SS.MH.T0002670	B	8	1818 ARDMORE AVE
SS.MH.T0002671	C	8	2800 BLK W VAN ST
SS.MH.T0002672	B	8	2800 BLK TULSA ST
SS.MH.T0002673	D	8	1600 BLK CHARLOTTE DR
SS.MH.T0002674	B	8	1539 CHARLOTTE DR
SS.MH.T0002675	B	8	1543 LENORA AVE
SS.MH.T0002676	D	8	303 N. NW LOOP 323
SS.MH.T0002677	B	8	303 N. NW LOOP 323
SS.MH.T0002679	B	8	1610 WISTERIA DR
SS.MH.T0002680	Group 1	8	2805 GARDEN VALLEY RD.
SS.MH.T0002681	Group 1	8	1200 BLK. SHAWNEE BLVD.
SS.MH.T0002682	B	8	227 S INGLEWOOD ST

Table I-3: Manhole Ratings, Group 2

SS.MH.T0002683	D	8	903 BELLARLE DR
SS.MH.T0002684	B	8	2301 GARDEN VALLEY RD
SS.MH.T0002685	B	8	1106 N. GLENWOOD BLVD.
SS.MH.T0002686	Group 1	8	3205 W ERWIN ST
SS.MH.T0002687	Group 1	8	238 S. GLENWOOD BLVD.
SS.MH.T0002704	C	8	1408 W ELM ST
SS.MH.T0002705	D	8	1100BLK W BRIAN CT
SS.MH.T0002728	C	15	215 W BOW ST
SS.MH.T0002729	D	15	712 N BROADWAY
SS.MH.T0002730	C	15	712 N BROADWAY
SS.MH.T0002937	D	15	414 N BOIS D ARK AVE
SS.MH.T0002938	B	15	414 N BOIS ARK AVE
SS.MH.T0002939	D	15	414 N BOIS D ARK AVE
SS.MH.T0002940	C	15	321 N BOIS D ARK AVE
SS.MH.T0002941	C	15	321 N BOIS D ARK AVE
SS.MH.T0002942	D	15	410 BROADWAY AVE
SS.MH.T0002943	C	15	205 W. LOCUST ST.
SS.MH.T0002944	Group 1	15	300 BLK. N. COLLEGE AVE.
SS.MH.T0002945	Group 1	15	300 BLK. N. COLLEGE AVE.
SS.MH.T0002946	D	15	200 BLK N COLLEGE AVE
SS.MH.T0002947	D	15	100 BLK N BOIS D ARC AVE
SS.MH.T0002948	C	15	211 W FERGUSON ST
SS.MH.T0002949	D	15	211 W FERGUSON ST
SS.MH.T0002950	C	15	211 W FERGUSON ST
SS.MH.T0002951	D	15	303 N BOIS D ARK AVE
SS.MH.T0002952	C	15	414 N BOIS D ARK AVE
SS.MH.T0002953	D	15	NO # US HWY 69
SS.MH.T0002954	C	15	409 W LOCUS ST
SS.MH.T0002955	Group 1	15	407 W. LOCUST ST.
SS.MH.T0002956	D	15	409 W. LOCUST ST.
SS.MH.T0002957	Group 1	15	411 W. ERWIN ST.
SS.MH.T0002958	Group 1	15	415 W. ERWIN ST.
SS.MH.T0002959	Group 1	15	400 BLK. N. BROADWAY AVE.
SS.MH.T0002960	Group 1	15	100 BLK. E. LINE ST.
SS.MH.T0002962	Group 1	15	100 E. LINE ST.
SS.MH.T0002963	Group 1	15	100 E. LOCUST ST.
SS.MH.T0002964	Group 1	15	100 BLK E LOCUST ST
SS.MH.T0002965	Group 1	15	221 N SPRING AVE
SS.MH.T0002966	Group 1	15	300 BLK. W. ERWIN ST.
SS.MH.T0002967	Group 1	15	100 BLK. N. BONNER AVE.
SS.MH.T0002968	Group 1	15	100 BLK. N. BONNER AVE.
SS.MH.T0002969	Group 1	15	500 BLK. W. LOCUST ST.
SS.MH.T0002986	D	15	711 FERGUSON ST
SS.MH.T0002987	D	15	711 FERGUSON ST
SS.MH.T0002988	C	15	711 W FERGUSON ST
SS.MH.T0002989	D	15	302 W BORDER ST
SS.MH.T0002990	C	15	302 N BORDER AVE
SS.MH.T0002991	C	15	1001 W OAKWOOD ST
SS.MH.T0002992	C	8	121 N ROSS AVE
SS.MH.T0002993	B	15	726 W ELM ST
SS.MH.T0003005	Group 1	15	525 W SPRING AVE
SS.MH.T0003006	Group 1	15	412 N SPRING AVE
SS.MH.T0003010	D	15	301 FERGUSON ST MH confirmed on video. 207' US of SS.MH.T0002955
SS.MH.T0003033	C	15	324 W FERGUSON ST

Table I-3: Manhole Ratings, Group 2

SS.MH.T0003034	C	15	324 W FERGUSON ST
SS.MH.T0003035	C	15	706 N BORDER AVE
SS.MH.T0003036	D	15	910 N BELLA AVE.
SS.MH.T0003037	C	15	615N BORDER AVE
SS.MH.T0003038	C	15	710 W FERGUSON ST
SS.MH.T0003040	D	15	212 N BONNER AVE
SS.MH.T0003041	C	15	212 W FERGUSON ST
SS.MH.T0003042	D	15	212 N BONNER AVE
SS.MH.T0003043	Group 1	15	200 BLK. N. BONNER AVE.
SS.MH.T0003044	D	15	107 N COLLEGE AVE MH confirmed on video. 126' DS of SS.MH.T0003045
SS.MH.T0003045	Group 1	15	409 N BROADWAY AVE
SS.MH.T0003046	Group 1	15	500 BLK. N. BROADWAY AVE.
SS.MH.T0003047	Group 1	15	500 BLK. N. BROADWAY AVE.
SS.MH.T0003055	D	15	720 W ERWIN ST
SS.MH.T0003068	D	15	416 W BOW ST
SS.MH.T0003116	C	15	731 N BOISE D ARC AVE
SS.MH.T0003122	C	15	119 W OAKWOOD ST
SS.MH.T0003147	B	8	641 S. CONFEDERATE AVE.
SS.MH.T0003148	C	8	1300 BLK. W. CONNALLY ST.
SS.MH.T0003149	D	8	1000 BLK. W. CONNALLY ST.
SS.MH.T0003150	D	8	1000 BLK. W. RUSK ST.
SS.MH.T0003151	D	8	1000 BLK. W. GROVE ST.
SS.MH.T0003152	C	8	609 S. GLENWOOD BLVD.
SS.MH.T0003153	D	8	800 BLK. S. ENGLEWOOD AVE.
SS.MH.T0003154	B	8	800 BLK. S. CONFEDERATE AVE.
SS.MH.T0003155	C	8	800 BLK. S. ENGLEWOOD AVE.
SS.MH.T0003156	D	8	909 S. ENGLEWOOD AVE.
SS.MH.T0003157	B	8	912 S. CONFEDERATE AVE.
SS.MH.T0003158	D	8	1300 BLK. LINDSEY LN.
SS.MH.T0003159	D	8	900 BLK. S. ENGLEWOOD AVE.
SS.MH.T0003160	D	8	900 BLK. S. ENGLEWOOD AVE.
SS.MH.T0003161	D	8	900 BLK. S. ENGLEWOOD AVE. MH confirmed on video. 113 US of 03160 and 274' DS of 12907
SS.MH.T0003162	C	8	1000 BLK. S. ENGLEWOOD AVE.
SS.MH.T0003163	B	8	634 S. ROSS AVE.
SS.MH.T0003337	B	8	1216 S. LYONS AVE.
SS.MH.T0004520	D	15	628 N BOIS D ARK AVE
SS.MH.T0004522	D	15	422 E OAKWOOD ST
SS.MH.T0004523	D	15	512 N COLLEGE AVE
SS.MH.T0004524	D	15	201W OAKWOOD ST
SS.MH.T0004525	D	15	625 N BROADWAY AVE
SS.MH.T0004526	Group 1	15	526 N SPRING AVE
SS.MH.T0004527	Group 1	15	525 W SPRING AVE
SS.MH.T0004528	C	15	414 N BOIS D ARC. AVE.
SS.MH.T0004529	C	15	414 N BOIS D ARK AVE
SS.MH.T0004545	D	15	429 W WILSON ST
SS.MH.T0004546	C	8	1503 CRESCENT DR.
SS.MH.T0004551	D	15	800BLK W OAKWOOD ST
SS.MH.T0004552	D	15	808 W SELMAN ST
SS.MH.T0004553	D	15	713 W OAKWOOD ST
SS.MH.T0004554	D	15	710 W OAKWOOD ST
SS.MH.T0004555	C	15	623 W OAKWOOD
SS.MH.T0004556	C	15	521 W OAKWOOD ST
SS.MH.T0004557	C	15	621 W WILSON ST

Table I-3: Manhole Ratings, Group 2

SS.MH.T0004558	B	15	602 W SELMAN ST
SS.MH.T0004559	D	15	107 N. BONNER AVE.
SS.MH.T0004561	C	15	115 S BONNER AVE
SS.MH.T0005674	Group 1	8	1000 BLK. W. HOUSTON ST.
SS.MH.T0005675	D	8	1100 BLK. W. HOUSTON ST.
SS.MH.T0005676	B	8	1300 BLK. W. HOUSTON ST.
SS.MH.T0005677	C	8	1300 BLK. W. HOUSTON ST.
SS.MH.T0005678	B	8	800 BLK. W. HOUSTON ST.
SS.MH.T0005679	B	8	607 S. ENGLEWOOD AVE.
SS.MH.T0005680	D	8	736 S. ENGLEWOOD AVE.
SS.MH.T0005681	D	8	1400 BLK. W. CONNALLY ST.
SS.MH.T0005682	B	8	626 S. CONFEDERATE AVE.
SS.MH.T0007475	B	8	2926 GARDENVALLEY RD
SS.MH.T0009389	D	8	2000 W. ROBBINS ST.
SS.MH.T0009393	D	8	2107 WWODLAWN ST
SS.MH.T0009394	D	8	129N FOREST AVE
SS.MH.T0009395	B	8	409 BROOKHOLLOW DR.
SS.MH.T0009396	C	8	500 BLK. SUNNYSIDE DR.
SS.MH.T0009616	D	8	723 N GASTON AVE
SS.MH.T0009618	D	8	1218 KENILWORTH AVE.
SS.MH.T0009619	D	8	3108 VAN HWY
SS.MH.T0009621	C	8	No # NONE
SS.MH.T0009622	D	8	400 BLK. FAIR PARK DR.
SS.MH.T0009977	D	8	514 S. HERNDON AVE.
SS.MH.T0009978	D	8	514 S. HERNDON AVE.
SS.MH.T0009979	D	8	432 S. CONFEDERATE AVE.
SS.MH.T0009980	C	8	500 BLK. S. PEACH AVE.
SS.MH.T0009981	C	8	400 BLK. ROSE PARK DR.
SS.MH.T0009982	C	8	609 FAIRPARK DR
SS.MH.T0009983	C	8	609 FAIRPARK DR
SS.MH.T0009984	C	8	609 FAIRPARK DR
SS.MH.T0009986	D	8	609 FAIR PARK DR
SS.MH.T0009987	C	8	No # NONE
SS.MH.T0010020	D	8	807 S. CONFEDERATE AVE.
SS.MH.T0010021	D	8	907 W. GROVE ST.
SS.MH.T0010022	D	8	910 W. RUSK ST.
SS.MH.T0010084	B	8	525 N CONFEDER
SS.MH.T0010085	D	8	1316 W OAKWOOD ST
SS.MH.T0010086	C	8	1606 GARDEN VALLEY RD
SS.MH.T0010246	D	8	1220 W PAUL ST
SS.MH.T0010247	D	8	326 N MOORE AVE
SS.MH.T0010248	D	8	411 N GLENWOOD BLVD
SS.MH.T0010249	D	8	411 N. GLENWOOD BLVD
SS.MH.T0010250	D	8	632 MAXWELL DR
SS.MH.T0010251	D	8	1610 N. ARDMORE AVE.
SS.MH.T0010252	D	8	3102 CHANDLER ST.
SS.MH.T0010276	D	15	200 BLK VALENTINE ST
SS.MH.T0010281	B	8	1100 BLK. W. DOBBS ST.
SS.MH.T0010282	D	8	626 S. PALACE AVE.
SS.MH.T0010342	B	8	211 N NW LOOP 323
SS.MH.T0011028	C	8	1220 W LOLLAR ST
SS.MH.T0011033	D	8	1824 W OAKWOOD ST
SS.MH.T0011043	C	15	215 S. BONNER AVE.
SS.MH.T0011358	B	8	403 S GLENWOOD BLVD
SS.MH.T0011365	B	8	415 S. LYONS AVE.

Table I-3: Manhole Ratings, Group 2

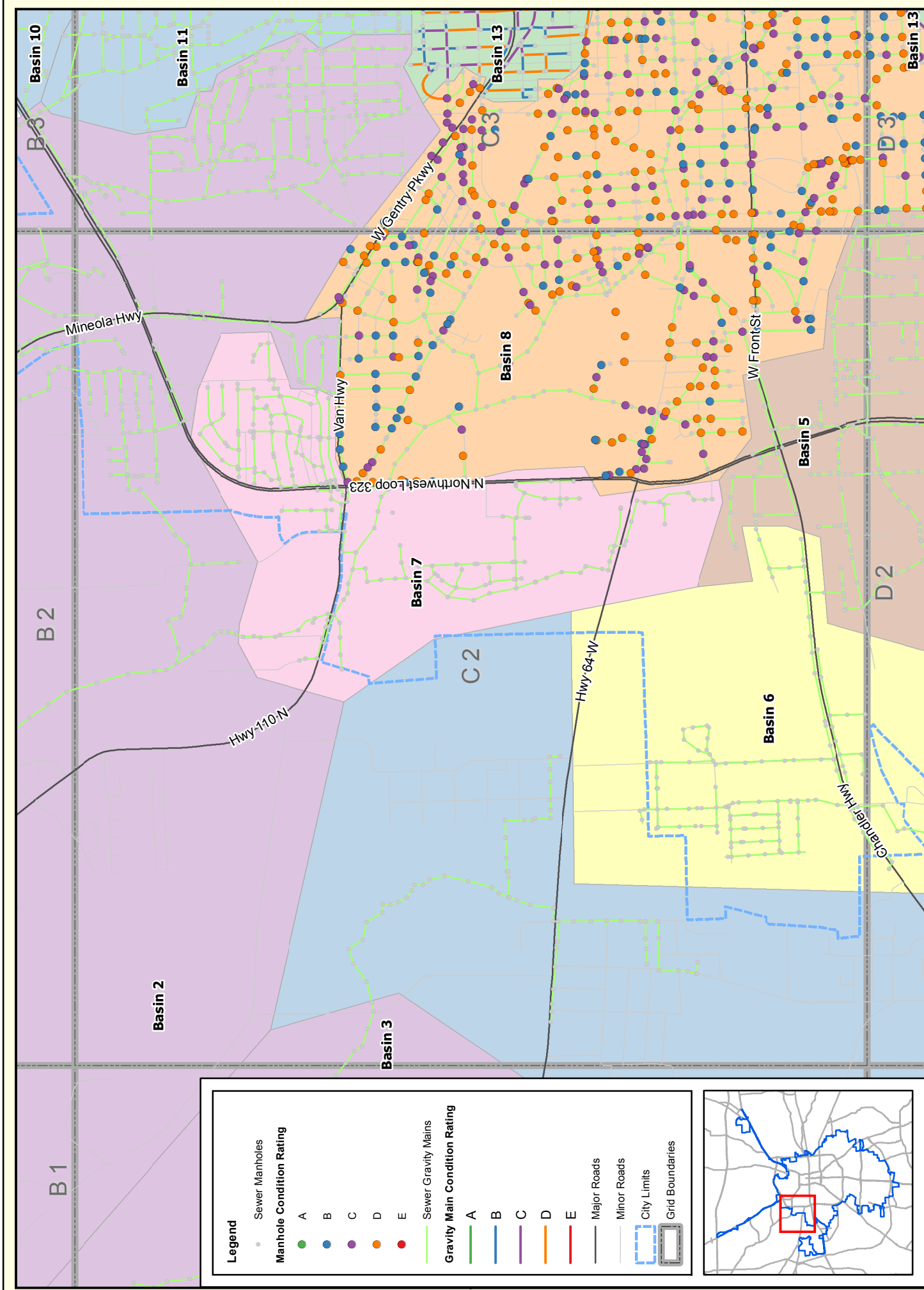
SS.MH.T0011491	C	15	300 W ERWIN ST
SS.MH.T0011492	D	15	410 W ERWIN ST
SS.MH.T0011499	D	15	212 W FERGUSON ST
SS.MH.T0011537	D	8	200 BLK. GOLF AVE.
SS.MH.T0011807	C	8	CNL
SS.MH.T0011844	D	8	219 S. VAUGHN AVE.
SS.MH.T0012021	D	8	611 NEGEM DR
SS.MH.T0012403	Group 1	15	804 W. ERWIN ST.
SS.MH.T0012574	C	8	CNL
SS.MH.T0012580	D	8	3001 CHANDLER HWY.
SS.MH.T0012581	D	8	609 FAIR PARK DR
SS.MH.T0012713	D	8	925 S GLENWOOD BLVD
SS.MH.T0012763	Group 1	15	311 W. ERWIN ST.
SS.MH.T0012786	Group 1	15	115 W. FERGUSON ST.
SS.MH.T0012802	C	15	200 BLK N SPRING ST
SS.MH.T0012803	C	15	815 N SPRING AVE
SS.MH.T0012830	D	8	3205 W. ERWIN ST.
SS.MH.T0012873	C	8	400 BLK. S. GLENWOOD BLVD.
SS.MH.T0012874	C	8	409 S. GLENWOOD BLVD.
SS.MH.T0012876	B	8	600 BLK. HILLCREST AVE.
SS.MH.T0012877	C	8	517 SOUTHGATE AVE.
SS.MH.T0012878	B	8	1014 FRONT ST
SS.MH.T0012879	C	8	514 S. HERNDON AVE.
SS.MH.T0012880	C	8	500 BLK. S. HERNDON AVE.
SS.MH.T0012882	D	8	432 S. CONFEDERATE AVE.
SS.MH.T0012883	B	8	352 FRONT ST
SS.MH.T0012884	B	8	2423 PARKDALE DR
SS.MH.T0012887	D	8	2323 W FRONT ST
SS.MH.T0012888	B	8	2800 W. ERWIN ST.
SS.MH.T0012907	C	8	1000 BLK. S. ENGLEWOOD AVE.
SS.MH.T0012909	B	8	800 BLK. S. ENGLEWOOD AVE.
SS.MH.T0012915	C	8	1700 BLK. W. ERWIN ST.
SS.MH.T0012916	B	8	118 S HILL AVE
SS.MH.T0012918	B	8	1001 W ELM ST
SS.MH.T0012919	B	8	1221 W CLAUDE ST
SS.MH.T0012920	D	8	220 N GLENWOOD BLVD
SS.MH.T0012923	C	8	521 W OAKWOOD ST
SS.MH.T0012924	B	8	1420 N PARKDALE DR
SS.MH.T0012926	D	8	1900 BLK LAWTON DR
SS.MH.T0012927	C	8	2301 STATE HWY 64
SS.MH.T0012928	B	8	1221 W CLAUDE ST
SS.MH.T0012929	B	8	1432 BELVEDERE BLVD
SS.MH.T0012930	C	8	2520 W OAKWOOD ST
SS.MH.T0012931	B	8	1110 S. ACADEMY ST.
SS.MH.T0012956	C	15	412 W FERGUSON ST
SS.MH.T0012958	C	15	309 NORTH BROADWAY
SS.MH.T0012959	D	15	210 E OAKWOOD ST MH confirmed on video. 286' US of MH SS.MH.T01257
SS.MH.T0012961	D	15	218 N COLLEGE AVE
SS.MH.T0012963	D	15	321 N BOIS D ARK AVE.
SS.MH.T0012998	D	15	400 N BORDER AVE
SS.MH.T0012999	C	8	1320 N. NW LOOP 323
SS.MH.T0013000	D	8	1320 N. NW LOOP 323
SS.MH.T0013001	B	15	422 E OAKWOOD ST
SS.MH.T0013002	D	15	422 E OAKWOOD ST

Table I-3: Manhole Ratings, Group 2

SS.MH.T0013003	D	8	3000 BLK GARDEN VALLEY RD
SS.MH.T0013004	Group 1	8	1500 BLK N NW LOOP 323
SS.MH.T0013005	Group 1	8	1500 BLK N NW LOOP 323
SS.MH.T0013006	D	8	3205 W ERWIN ST
SS.MH.T0013007	B	8	2512 LYNN DR
SS.MH.T0013008	C	8	3205 W. ERWIN ST.
SS.MH.T0013009	D	8	3205 W. ERWIN ST.
SS.MH.T0013039	D	8	3205 W ERWIN ST
SS.MH.T0013040	D	8	3205 W ERWIN ST
SS.MH.T0013041	B	8	3205 W ERWIN ST
SS.MH.T0013042	Group 1	8	3400 BLK W ERWIN ST
SS.MH.T0013043	Group 1	8	2804 GARDEN VALLEY RD.
SS.MH.T0013045	C	8	900 BLK. N. NW LOOP 323
SS.MH.T0013046	D	8	900 BLK. N. NW LOOP 323
SS.MH.T0013047	Group 1	8	2926 GARDEN VALLEY RD
SS.MH.T0013048	Group 1	8	2926 GARDEN VALLEY RD
SS.MH.T0013062	B	8	1515 WICHITA AVE
SS.MH.T0013147	D	15	700 BLK N SPRING AVE
SS.MH.T0013148	B	15	600 BLK N SPRING AVE
SS.MH.T0013149	D	15	600 BLK N SPRING ST
SS.MH.T0013150	Group 1	15	500 BLK. N. BROADWAY AVE.
SS.MH.T0013151	Group 1	15	201 E BOW ST
SS.MH.T0013152	Group 1	15	201 E BOW ST
SS.MH.T0013516	Group 1	8	2926 GARDEN VALLEY RD
SS.MH.T0013520	Group 1	8	2121 W ERWIN ST
SS.MH.T0013527	Group 1	8	2804 GARDEN VALLEY RD.
SS.MH.T0013550	Group 1	8	1805 W ERWIN ST
SS.MH.T0013551	Group 1	8	200 BLK N PARKLAND DR
SS.MH.T0013552	Group 1	8	519 PAMELA DR
SS.MH.T0013589	Group 1	15	200 N. BROADWAY AVE.
SS.MH.T0013602	B	8	1718 W HOUSTON ST
SS.MH.T0013612	Group 1	15	516 E OAKWOOD ST
SS.MH.T0013619	D	8	2914 PIN OAK ST.
SS.MH.T0013620	B	8	2802 PIN OAK ST.
SS.MH.T0013631	C	8	2802 PIN OAK ST.
SS.MH.T0013633	C	8	2139 N. FOREST AVE.
SS.MH.T0013634	C	8	2000 N. FOREST AVE.
SS.MH.T0013635	C	8	2000 N. FOREST AVE.
SS.MH.T0013636	D	8	2000 N. FOREST AVE.
SS.MH.T0013637	B	8	1100 BLK. N. NW LOOP 323
SS.MH.T0013638	C	15	210 E OAKWOOD ST
SS.MH.T0013639	B	8	211 N NW LOOP 323
SS.MH.T0013640	D	8	518 HUNTERS CT
SS.MH.T0013641	C	8	1718 W HOUSTON
SS.MH.T0013642	B	8	110 S SW LOOP 323
SS.MH.T0013643	B	8	110 S SW LOOP 323
SS.MH.T0013840	C	8	1730 N NW LOOP 323
SS.MH.T0013841	C	8	200 SSW LOOP 323
SS.MH.T0013842	C	8	200 SSW LOOP 323
SS.MH.T0013843	C	8	200 SSW LOOP 323
SS.MH.T0013844	C	8	200 SSW LOOP 323
SS.MH.T0013845	D	8	609 FAIR PARK DR
SS.MH.T0014244	D	8	1511 BELLWOOD RD. SS.MH.T0005680A
SS.MH.T0014245	C	8	1511 BELLWOOD RD. SS.MH.T0005680B
SS.MH.T0014246	C	8	1511 BELLWOOD RD. SS.MH.T0005680C

Table I-3: Manhole Ratings, Group 2

SS.MH.T0014247	D	8	500 BLK. HWY 110 SS.MH.T0020030A
SS.MH.T0020002	D	15	409 W. SELMAN ST
SS.MH.T0020003	C	8	2729 GARDEN VALLEY RD
SS.MH.T0020004	D	15	207 W OAKWOOD ST
SS.MH.T0020005	D	15	207 W. OAKWOOD ST.
SS.MH.T0020007	B	15	215 S BONNER ST
SS.MH.T0020009	D	8	306 DONNA DR
SS.MH.T0020010	C	8	3722 W. ELM ST.
SS.MH.T0020011	D	15	422 E OAKPARK ST
SS.MH.T0020013	D	15	100 E FERGUSON ST
SS.MH.T0020015	C	15	522 N BROADWAY
SS.MH.T0020016	C	15	522 N BROADWAY AVE
SS.MH.T0020017	D	15	301 E. OAKWOOD ST.
SS.MH.T0020018	D	15	410 W ERWIN ST
SS.MH.T0020019	C	8	842 S CONFEDERATE AVE
SS.MH.T0020021	B	8	1412 W OAK WOOD ST
SS.MH.T0020022	B	8	833 S LYONS AVE
SS.MH.T0020023	D	8	705 S LYONS AVE
SS.MH.T0020025	C	8	2700 BLK. CHANDLER HWY.
SS.MH.T0020026	C	8	1827 GENTRY
SS.MH.T0020029	D	8	2300 BLK. W. FRONT ST.
SS.MH.T0020030	D	8	500 BLK. HWY 110
SS.MH.T0020031	D	8	303 N. NW LOOP 323
SS.MH.T0020032	C	8	1511 BELLWOOD RD.
SS.MH.T0020034	B	8	2300 BLK. W. FRONT ST.
SS.MH.T0020035	D	8	1428 KENILWORTH AVE
SS.MH.T0020038	D	8	3536 W ERWIN ST
SS.MH.T0020039	C	8	3205 W ERWIN ST
SS.MH.T0020040	D	8	3205 W ERWIN ST
SS.MH.T0020041	D	8	1625 W. FRONT ST.



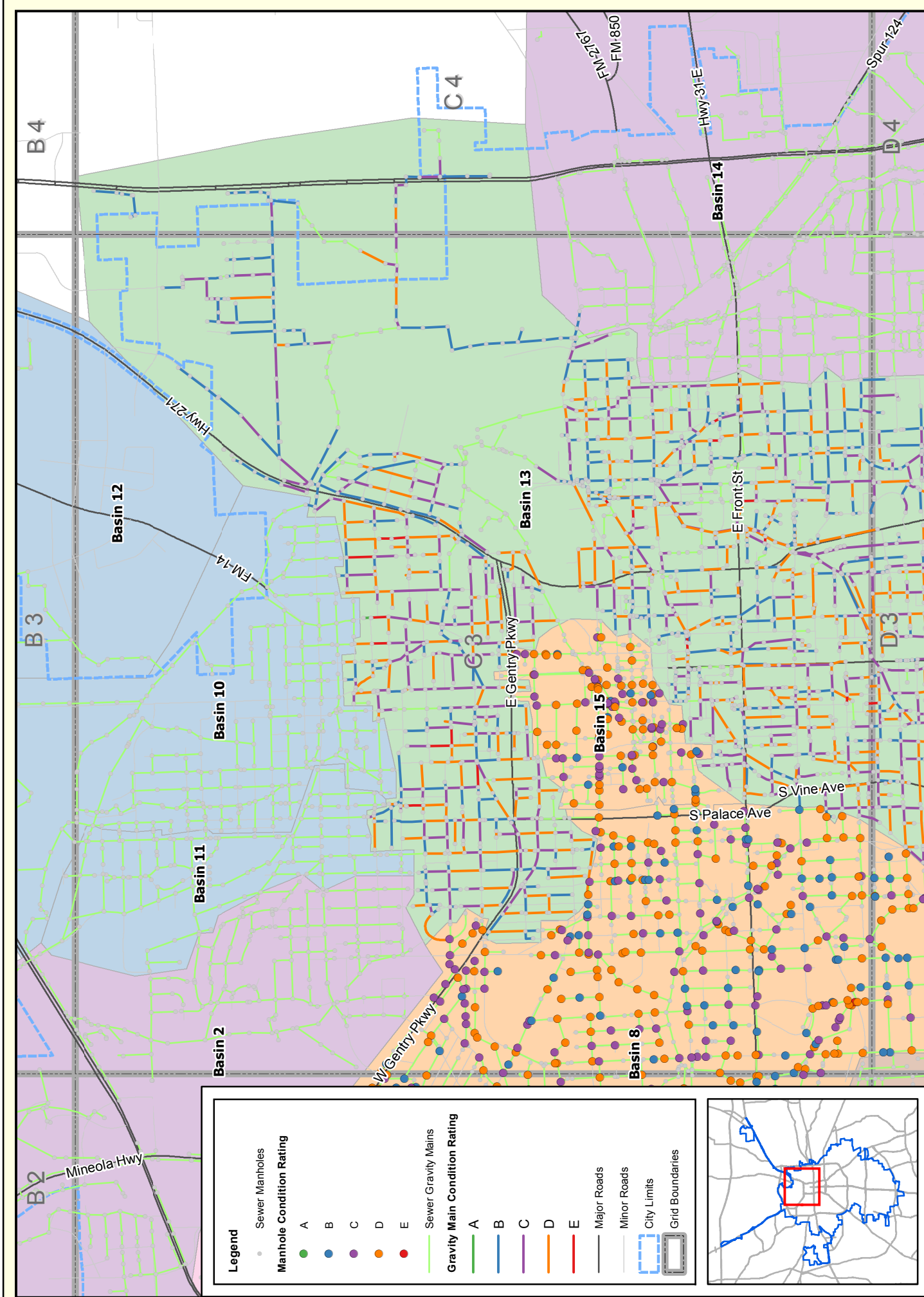
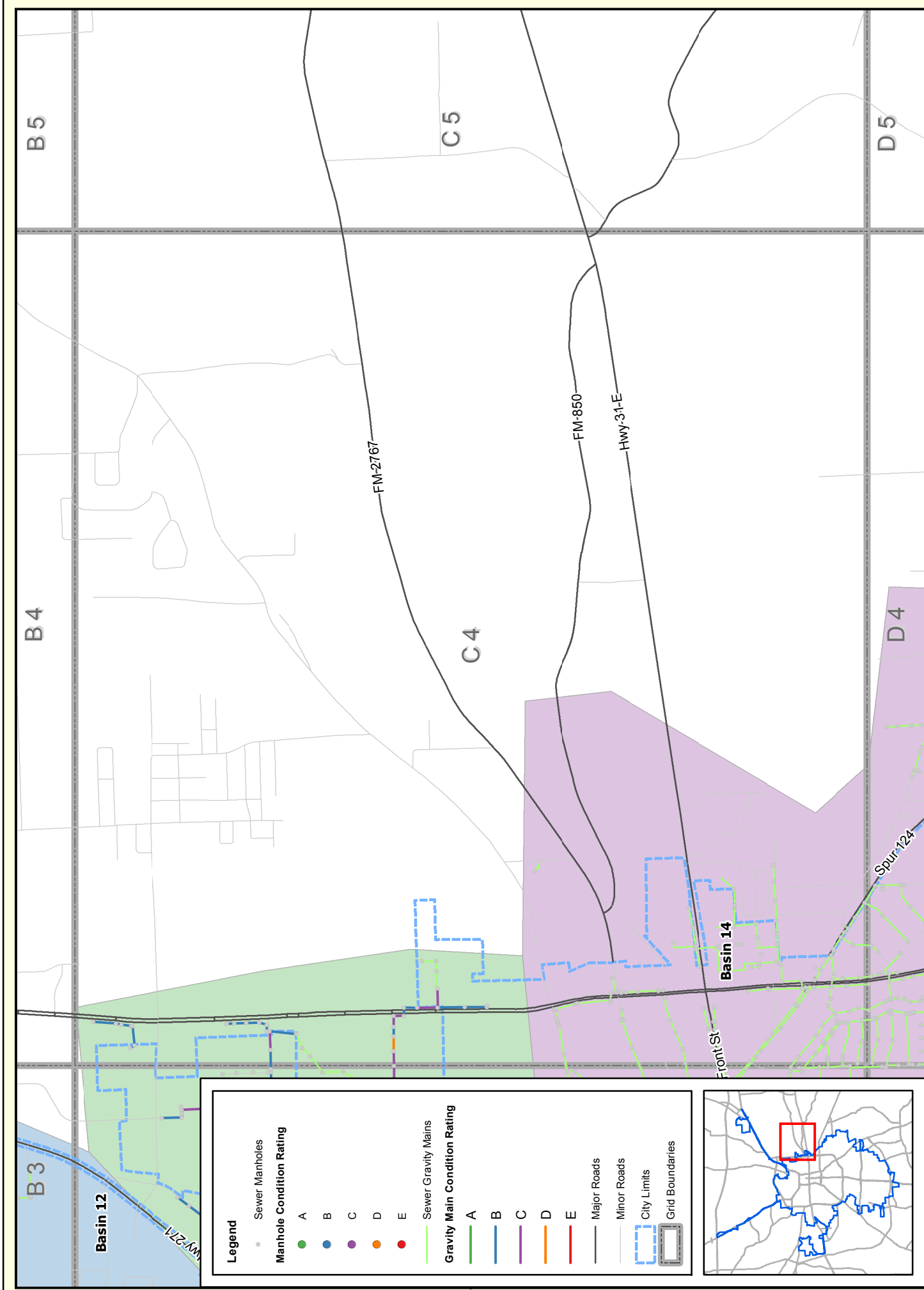


Figure I-1. Condition Assessment Ratings - Year 2





Legend

- Sewer Manholes

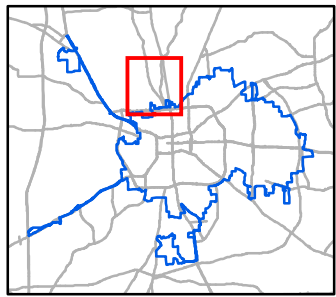
Manhole Condition Rating

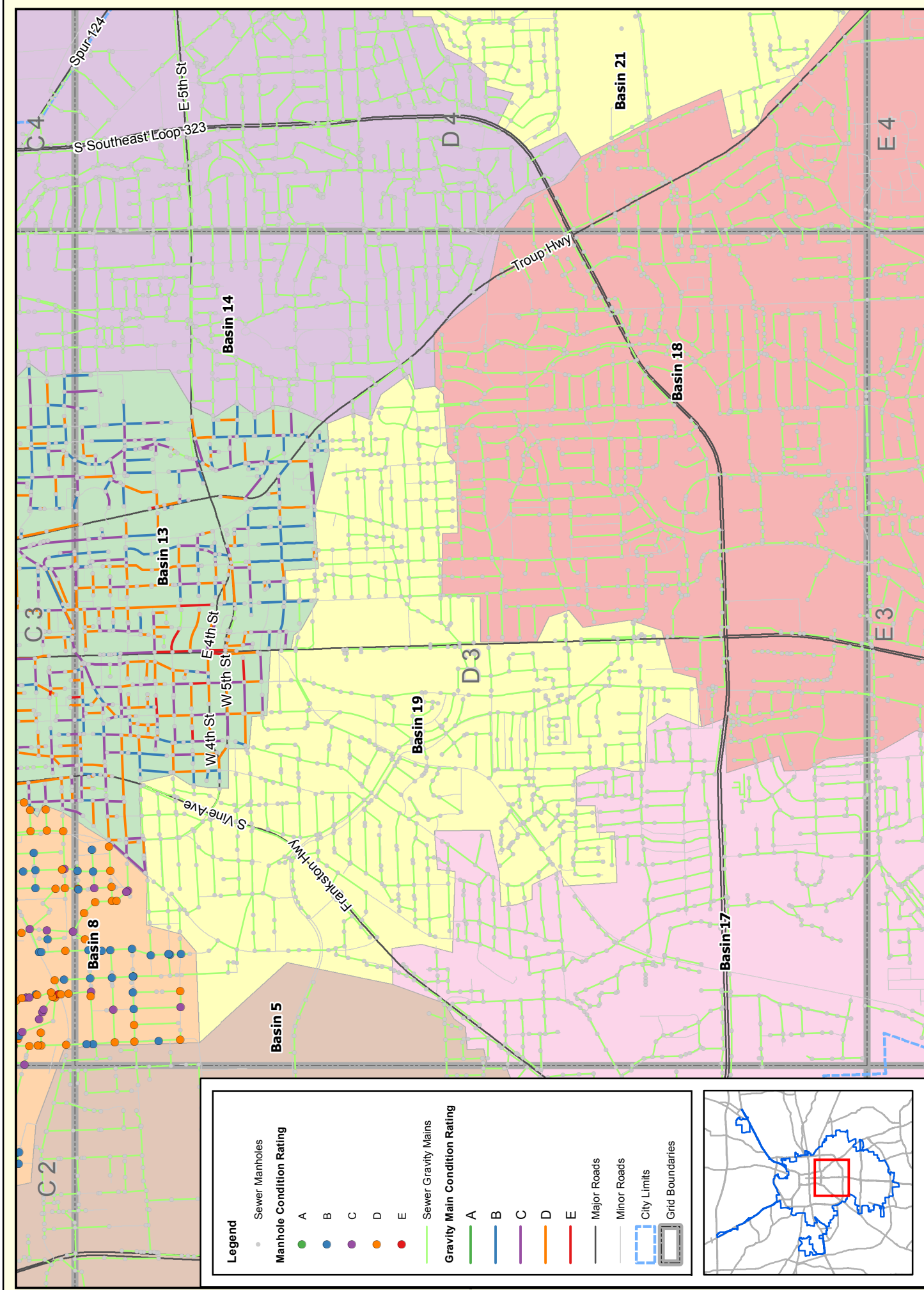
- A
- B
- C
- D
- E

Sewer Gravity Mains

- Gravity Main Condition Rating
- A
- B
- C
- D
- E

- Major Roads
- Minor Roads
- City Limits
- Grid Boundaries





Legend

- Sewer Manholes
- Manhole Condition Rating**
 - A
 - B
 - C
 - D
 - E
- Sewer Gravity Mains
- Gravity Main Condition Rating**
 - A
 - B
 - C
 - D
 - E
- Major Roads
- Minor Roads
- City Limits
- Grid Boundaries

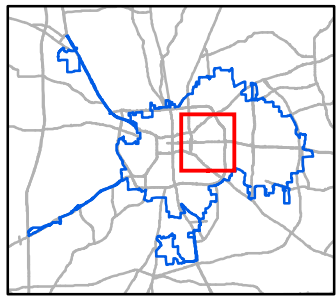


Figure I-1. Condition Assessment Ratings - Year 2

This product is for informational purposes and may not have been prepared for use in a legal proceeding. It does not represent an opinion of the City of Tyler. The City of Tyler is not responsible for any errors or omissions in this product. Only the appropriate local jurisdiction is responsible for the accuracy of the information presented.

Section J. FOG Enforcement Program (Paragraph 40.j)

The FOG Enforcement Program is part of Appendix C, FOG Program Manual, of the CMOM Program. TWU staff completed 491 grease trap inspections during the 1 January 2018 through 31 December 2018 reporting period. No enforcement actions were initiated during this reporting period.

Section K. Completion of Capacity Remedial Measures (Paragraph 56)

The hydraulic model update is currently under development, and is on schedule for completion in April 2019. Field verification, capacity assessment, and capacity remedial measures are on schedule. No capacity remedial measure projects were initiated or completed during the 1 January 2018 through 31 December 2018 reporting period.

Section L. Completion of Condition Remedial Measures (Paragraph 63)

The Group 1 Annual Condition Remedial Measures Plan was submitted to the EPA and TCEQ on 22 June 2018. Approval of said Group 1 Annual Condition Remedial Measures Plan was granted in a 20 November 2018 email from Mr. Alan Vaughn, U.S. Environmental Protection Agency, Region 6.

Table L-1 is a list of 265 repairs made to gravity mainlines during the 1 January 2018 through 31 December 2018 reporting period; said repairs are shown in **Figure L-1**. **Table L-2** includes the Manhole Remediation Plan for Group 1. **Table L-3** includes the Gravity Mainline Remediation Plan for Group 1.

Table L-1: Gravity Mainline Repairs

Work Order	Date	Address	Asset ID	RepairType
16648	01/05/2018	325 Baxter Ave	SS.GM.T0004211	Gravity Main
16506	01/11/2018	222 Heritage Cir	SS.GM.T0003203	Gravity Main
17281	01/18/2018	3309 Seaton St	SS.GM.T0007823	Gravity Main
17909	02/02/2018	1800 Pine Crest Dr	SS.MH.T0006510	Gravity Main
16337	02/05/2018	Golden Rd & Faulkner St	SS.GM.T0005750	Gravity Main
16824	02/05/2018	1727 Outer Dr	SS.GM.T0000524	Gravity Main
16839	02/07/2018	Ada Ave & W 29TH St	SS.GM.T0008377	Gravity Main
16844	02/07/2018	2719 Craig Ct	SS.GM.T0005908	Gravity Main
18069	02/07/2018	630 E Lake St	0	Gravity Main
16841	02/08/2018	Craig Ct & W 29TH St	SS.GM.T0008193	Gravity Main
16830	02/09/2018	W 6TH St & Outer Dr	SS.GM.T0000524	Gravity Main
16836	02/09/2018	1604 W 29TH St	SS.GM.T0008375	Gravity Main
16497	02/12/2018	3013 New Copeland Rd	SS.GM.T0003599	Gravity Main
16498	02/12/2018	3013 New Copeland Rd	SS.GM.T0003599	Gravity Main
17037	02/13/2018	1500 Connally St	0	Gravity Main
16833	02/14/2018	1516 W 6TH St	SS.GM.T0009320	Gravity Main
18426	02/15/2018	924 N Parkdale Dr	SS.GM.T0000397	Gravity Main
16495	02/16/2018	New Copeland Rd & Stanford St	SS.GM.T0003599	Gravity Main
16496	02/16/2018	3030 New Copeland Rd	SS.GM.T0000353	Gravity Main
18424	02/16/2018	924 N Parkdale Dr	SS.GM.T0000397	Gravity Main
18447	02/26/2018	819 Greenland Hill Ave	SS.GM.T0005582	Gravity Main
18788	02/26/2018	507 W Cochran St	0	Gravity Main
18845	02/26/2018	Whitten and Cochran	0	Gravity Main
16430	02/27/2018	821 Beth Dr	SS.GM.T0003726	Gravity Main
18620	03/01/2018	5000 Edinburgh Dr Apt 10	0	Gravity Main
18960	03/01/2018	3020 Stonegate Blvd	0	Gravity Main
18780	03/05/2018	5700 New Copeland Rd	SS.MH.T0000569	Gravity Main
19074	03/05/2018	405 N. Gaston	SS.GM.T0005228	Gravity Main
16058	03/06/2018	Bellwood Rd & S Gaston Ave	SS.GM.T0006845	Gravity Main
19206	03/06/2018	812 Spring Creek Dr	0	Gravity Main
19073	03/07/2018	404 N Gaston Ave	SS.GM.T0005228	Gravity Main
19075	03/07/2018	405 N Gaston Ave	SS.GM.T0005228	Gravity Main
18778	03/09/2018	N Whitten Ave & W Cochran St	0	Gravity Main
18844	03/09/2018	1206 S Fleishel Ave	SS.GM.T0004813	Gravity Main
19016	03/09/2018	32nd st & Woldert Park	SS.GM.T0008164	Gravity Main
18654	03/14/2018	Aberdeen Dr & Edinburgh Dr	SS.GM.T0002710	Gravity Main
19604	03/14/2018	615 Oxford Dr	0	Gravity Main
17285	03/15/2018	3308 Seaton St	SS.GM.T0007823	Gravity Main
16056	03/16/2018	Bellwood Rd & S Hurt Ave	SS.GM.T0006861	Gravity Main
18590	03/16/2018	5000 Edinburgh Dr	0	Gravity Main
18931	03/19/2018	Briarose Ln & Leon Dr	0	Gravity Main
19312	03/20/2018	3217 Rolling Hill Dr	SS.GM.T0007982	Gravity Main
19816	03/23/2018	715 E Line St	0	Gravity Main
20049	03/23/2018	1313 Summit Ave	0	Gravity Main
19153	03/26/2018	3208 Harwood Dr	SS.GM.T0000561	Gravity Main
16249	03/27/2018	1809 Adair St	SS.GM.T0008706	Gravity Main
18441	03/27/2018	1415 E Gentry Pkwy	SS.GM.T0005582	Gravity Main
20203	03/29/2018	Maple St & N Albertson Ave	SS.GM.T0006490	Gravity Main
20256	03/29/2018	1320 Belmont Dr	SS.GM.T0006210	Gravity Main
20078	04/02/2018	5626 Bostick Dr	0	Gravity Main
19279	04/03/2018	601 Pam Dr	SS.GM.T0003714	Gravity Main
18789	04/04/2018	507 W Cochran St	0	Gravity Main
15957	04/05/2018	2619 Golden Rd	0	Gravity Main
16048	04/10/2018	610 Dayton St	SS.GM.T0006427	Gravity Main

Table L-1: Gravity Mainline Repairs

18444	04/12/2018	929 Greenland Hill Ave	SS.GM.T0005582	Gravity Main
18446	04/16/2018	919 Greenland Hill Ave	SS.GM.T0005582	Gravity Main
20637	04/16/2018	Border Ave & W Gentry Pkwy	0	Gravity Main
18443	04/18/2018	1009 Greenland Hill Ave	SS.GM.T0005582	Gravity Main
21108	04/19/2018	903 Greenland Hill Ave	0	Gravity Main
21034	04/20/2018	814 Carriage Dr	SS.GM.T0001106	Gravity Main
21265	04/26/2018	2095 S Southwest Loop 323	SS.GM.T0007783	Gravity Main
21133	05/01/2018	2411 W Erwin St	SS.GM.T0006625	Gravity Main
21577	05/02/2018	2602 E Front St	0	Gravity Main
21372	05/03/2018	1620 Buena Vista Dr	SS.GM.T0000542	Gravity Main
21396	05/04/2018	1118 E Gentry Pkwy	SS.GM.T0008318	Gravity Main
21824	05/08/2018	S. Palace and connally	0	Gravity Main
21997	05/11/2018	2695 S Southwest Loop 323	SS.GM.T0003460	Gravity Main
16338	05/15/2018	Golden Rd & Neeley St	SS.GM.T0008300	Gravity Main
21797	05/15/2018	2509 Delmar St	SS.GM.T0008543	Gravity Main
21846	05/15/2018	1411 Mockingbird Ln	SS.GM.T0007171	Gravity Main
21890	05/15/2018	1302 S Vine Ave	SS.GM.T0000792	Gravity Main
21620	05/16/2018	1301 Lamar St	SS.GM.T0008851	Gravity Main
21562	05/17/2018	1809 Forest Ave	SS.GM.T0007374	Gravity Main
21918	05/17/2018	2411 W Erwin St	SS.GM.T0006625	Gravity Main
21503	05/18/2018	933 Connally St	SS.GM.T0008770	Gravity Main
22091	05/24/2018	2925 Keenan Dr	SS.GM.T0004314	Gravity Main
22192	06/04/2018	2104 Robbins St	SS.GM.T0007060	Gravity Main
22642	06/04/2018	409 N College Ave	SS.GM.T0004881	Gravity Main
22193	06/05/2018	2206 Robbins St	SS.GM.T0007060	Gravity Main
22196	06/05/2018	Robbins St & S Lyons Ave	SS.GM.T0007060	Gravity Main
22523	06/06/2018	1119 E 8TH St	SS.GM.T0005042	Gravity Main
22798	06/06/2018	4101 Troup Hwy	SS.GM.T0001744	Gravity Main
22411	06/08/2018	114 Tournament Rd	SS.GM.T0006565	Gravity Main
22818	06/08/2018	3509 Paluxy Dr	SS.GM.T0000735	Gravity Main
21432	06/11/2018	Curtis Dr & De Charles St	SS.GM.T0000663	Gravity Main
22981	06/11/2018	817 E Northeast Loop 323	0	Gravity Main
19311	06/13/2018	1905 Boldt Ave	SS.GM.T0008852	Gravity Main
22807	06/13/2018	1217 Hubbard Dr	SS.GM.T0001348	Gravity Main
18202	06/14/2018	1930 Stonegate Valley Dr	WD.HY.T0001799	Gravity Main
21584	06/21/2018	2108 Woldford Ave	0	Gravity Main
22218	06/21/2018	500 Barron Ave	0	Gravity Main
23054	06/21/2018	2205 New Copeland Rd	SS.GM.T0002571	Gravity Main
23010	06/22/2018	2926 Crestview Ave	SS.GM.T0002565	Gravity Main
23293	06/25/2018	2516 W Van St	SS.GM.T0005607	Gravity Main
23294	06/25/2018	2515 W Van St	SS.GM.T0005607	Gravity Main
20983	06/26/2018	Border Ave & W Gentry Pkwy	SS.GM.T0005493	Gravity Main
23299	06/26/2018	2618 W Van St	SS.GM.T0005317	Gravity Main
20984	06/27/2018	Border Ave & W Gentry Pkwy	SS.GM.T0005493	Gravity Main
22661	06/27/2018	409 N College Ave	SS.GM.T0008490	Gravity Main
23681	06/27/2018	2322 Rosemont St	SS.GM.T0007662	Gravity Main
23560	06/28/2018	1427 Tenneha Ave	0	Gravity Main
23574	06/28/2018	420 Woldert St	0	Gravity Main
23577	06/28/2018	426 Woldert St	0	Gravity Main
23296	06/29/2018	1605 Wichita Ave	SS.GM.T0007971	Gravity Main
23939	07/02/2018	1114 S Broadway Ave	SS.GM.T0008991	Gravity Main
23693	07/03/2018	2631 Rosemont St	SS.GM.T0005609	Gravity Main
23781	07/03/2018	3210 Tulsa St	SS.GM.T0007574	Gravity Main
23866	07/03/2018	2824 Tulsa St	SS.GM.T0005327	Gravity Main
23949	07/03/2018	5427 Qual Creek	SS.GM.T0003760	Gravity Main

Table L-1: Gravity Mainline Repairs

23683	07/05/2018	2215 Rosemont St	SS.GM.T0007662	Gravity Main
23688	07/05/2018	2408 Rosemont St	SS.GM.T0007972	Gravity Main
24045	07/05/2018	N Palace Ave & W Queen St	0	Gravity Main
24048	07/05/2018	1218 Moore Ave	0	Gravity Main
23667	07/06/2018	Rosemont St & N Parkdale Dr	SS.GM.T0005594	Gravity Main
23801	07/09/2018	Shaw St & S Broadway Ave	SS.GM.T0008991	Gravity Main
23860	07/09/2018	1601 Lenora Ave	SS.GM.T0005626	Gravity Main
23870	07/09/2018	1511 Cushing Dr	0	Gravity Main
23874	07/13/2018	E 1ST St & S Broadway Ave	SS.GM.T0008991	Gravity Main
24182	07/16/2018	3302 Saint James Ct	SS.GM.T0002975	Gravity Main
24198	07/16/2018	1206 S Broadway Ave	SS.GM.T0008991	Gravity Main
24200	07/16/2018	1103 S Broadway Ave	SS.GM.T0008991	Gravity Main
24468	07/16/2018	1812 Old Omen Rd	SS.GM.T0008750	Gravity Main
24247	07/18/2018	1521 Cushing Dr	SS.GM.T0005323	Gravity Main
24638	07/19/2018	520 E. Douglas blvd.	0	Gravity Main
24699	07/20/2018	1020 W Morris St	0	Gravity Main
24631	07/23/2018	622 Whiteoak Ln	SS.GM.T0010087	Gravity Main
21273	07/24/2018	2095 S Southwest Loop 323	SS.GM.T0007783	Gravity Main
21275	07/24/2018	2029 S Southwest Loop 323	SS.GM.T0007783	Gravity Main
23858	07/24/2018	6110 S Broadway Ave	0	Gravity Main
24932	07/26/2018	1527 Winona Ave	0	Gravity Main
24934	07/26/2018	1600 S Wall Ave	0	Gravity Main
24996	07/27/2018	1415 Haynie Ave	0	Gravity Main
25102	07/27/2018	487 Zelwood Dr	0	Gravity Main
25120	07/30/2018	1327 Winona	0	Gravity Main
25000	07/31/2018	1328 Winona Ave	0	Gravity Main
25067	08/02/2018	1400 Santa Rosa Dr	SS.GM.T0000667	Gravity Main
25060	08/03/2018	4191 Bellwood Rd	SS.GM.T0007912	Gravity Main
25074	08/07/2018	1609 E Line St	0	Gravity Main
25333	08/08/2018	S Wall Ave & E 4TH St	SS.GM.T0006216	Gravity Main
25368	08/08/2018	S Wall Ave & E 4TH St	SS.GM.T0006216	Gravity Main
25702	08/09/2018	1805 E Gentry Pkwy	SS.GM.T0004165	Gravity Main
25869	08/13/2018	3236 Dinah Ln	SS.GM.T0000720	Gravity Main
25928	08/14/2018	2707 N Grand Ave, APT A	0	Gravity Main
25946	08/14/2018	2703 N Grand Ave	0	Gravity Main
26121	08/16/2018	1718 S Sneed Ave	SS.GM.T0014131	Gravity Main
25763	08/17/2018	1803 E Gentry Pkwy	SS.GM.T0004464	Gravity Main
26064	08/20/2018	2700 N Grand Ave	SS.GM.T0009726	Gravity Main
25569	08/21/2018	N Palace Ave & W Bow St	SS.GM.T0006505	Gravity Main
25571	08/21/2018	N Palace Ave & W Bow St	SS.GM.T0006505	Gravity Main
26330	08/21/2018	1803 E Gentry Pkwy	SS.GM.T0004464	Gravity Main
26352	08/22/2018	3302 Saint James Ct	SS.GM.T0002079	Gravity Main
26377	08/22/2018	120 E Charnwood St	0	Gravity Main
15446	08/24/2018	2813 Stonewall Ct	SS.GM.T0004616	Gravity Main
26754	08/29/2018	9129 C R 1138	0	Gravity Main
26833	08/30/2018	2512 Horn Ave	0	Gravity Main
26852	09/06/2018	600 Mockingbird Ln	0	Gravity Main
26932	09/11/2018	3302 Saint James Ct	SS.GM.T0002975	Gravity Main
27240	09/11/2018	6700 Hollytree Dr	0	Gravity Main
27572	09/15/2018	5502 S Broadway Ave	SS.MH.T0009274	Gravity Main
26565	09/19/2018	120 E Charnwood St	SS.GM.T0006055	Gravity Main
26065	09/24/2018	2700 N Grand Ave	SS.GM.T0009726	Gravity Main
26907	09/24/2018	1007 Border Ave	SS.GM.T0005493	Gravity Main
27337	09/24/2018	3320 Pine St	SS.GM.T0006572	Gravity Main
27480	09/25/2018	1500 Crescent Dr	SS.GM.T0007695	Gravity Main

Table L-1: Gravity Mainline Repairs

27769	09/25/2018	1316 E Elm St	SS.GM.T0004184	Gravity Main
27771	09/25/2018	1400 E Elm St	SS.GM.T0004184	Gravity Main
27721	09/26/2018	1402 E Earle St	SS.GM.T0004216	Gravity Main
27722	09/26/2018	1417 E Earle St	SS.GM.T0004216	Gravity Main
27723	09/26/2018	1417 E Earle St	SS.GM.T0004215	Gravity Main
27864	09/26/2018	121 S Fleishel Ave	SS.GM.T0006134	Gravity Main
27867	09/26/2018	118 S Fleishel Ave	SS.GM.T0006134	Gravity Main
27868	09/26/2018	118 S Fleishel Ave	SS.GM.T0006134	Gravity Main
27654	09/27/2018	Saleh Ave & E Erwin St	SS.GM.T0004189	Gravity Main
27860	09/27/2018	135 S Fleishel Ave	SS.GM.T0006134	Gravity Main
27944	09/27/2018	E 8th St & Donnybrook Ave	SS.GM.T0006256	Gravity Main
28168	09/27/2018	1402 E Earle St	SS.GM.T0004216	Gravity Main
28235	09/27/2018	213 E Locust St	SS.GM.T0005356	Gravity Main
27556	09/28/2018	1717 W Gentry Pkwy	SS.GM.T0007016	Gravity Main
28308	09/29/2018	2817 Marilyn Dr	SS.GM.T0009283	Gravity Main
27872	10/02/2018	Roseland Blvd & E 8th St	SS.GM.T0009002	Gravity Main
27873	10/02/2018	1924 Roseland Blvd	SS.GM.T0009001	Gravity Main
27874	10/02/2018	1910 Roseland Blvd	SS.GM.T0009001	Gravity Main
28058	10/02/2018	Yale Dr & Columbia Dr	SS.GM.T0001849	Gravity Main
27664	10/03/2018	125 Saleh Ave	SS.GM.T0004190	Gravity Main
28425	10/03/2018	525 S Beckham Ave	SS.GM.T0005064	Gravity Main
28429	10/03/2018	535 S Beckham Ave	SS.GM.T0005064	Gravity Main
27641	10/04/2018	215 Baxter Ave	SS.GM.T0009158	Gravity Main
27870	10/05/2018	2020 Donnybrook Ave	SS.GM.T0006111	Gravity Main
28430	10/06/2018	535 S Beckham Ave	SS.GM.T0005064	Gravity Main
27957	10/08/2018	E 8th St & S Wall Ave	SS.GM.T0006254	Gravity Main
27920	10/09/2018	530 N Horace Ave	SS.GM.T0008270	Gravity Main
28836	10/10/2018	1119 E Elm St	0	Gravity Main
27915	10/11/2018	1301 E Commerce St	SS.GM.T0008270	Gravity Main
27918	10/11/2018	1301 E Commerce St	SS.GM.T0008270	Gravity Main
28054	10/11/2018	N Clayton Ave & E Commerce St	SS.GM.T0007903	Gravity Main
28057	10/11/2018	1403 E Commerce St	SS.GM.T0007709	Gravity Main
27959	10/12/2018	E 6th St & S Wall Ave	SS.GM.T0006251	Gravity Main
28440	10/12/2018	1610 S Wall Ave	SS.GM.T0009275	Gravity Main
27956	10/13/2018	1901 Henderson Dr	SS.GM.T0006250	Gravity Main
28740	10/16/2018	1004 E Houston St	SS.MH.T0004889	Gravity Main
29291	10/16/2018	1004 E Houston St	SS.MH.T0004889	Gravity Main
28060	10/17/2018	1403 E Commerce St	SS.GM.T0007709	Gravity Main
28720	10/18/2018	1326 N Palace Ave	SS.GM.T0007857	Gravity Main
28729	10/18/2018	1404 Duncan St	SS.GM.T0004979	Gravity Main
28981	10/18/2018	1326 Donnybrook Ave	SS.GM.T0006083	Gravity Main
28984	10/18/2018	1326 Donnybrook Ave	SS.GM.T0006083	Gravity Main
28989	10/18/2018	1320 Donnybrook Ave	SS.GM.T0006083	Gravity Main
28991	10/18/2018	1316 Donnybrook Ave	SS.GM.T0006083	Gravity Main
28442	10/19/2018	1526 S Wall Ave	SS.GM.T0009275	Gravity Main
29117	10/19/2018	1015 Donnybrook Ave	SS.GM.T0008964	Gravity Main
29120	10/19/2018	1006 Donnybrook Ave	SS.GM.T0006073	Gravity Main
28979	10/20/2018	1424 Donnybrook Ave	SS.GM.T0006084	Gravity Main
29093	10/23/2018	1503 N Palace Ave	SS.GM.T0005889	Gravity Main
29096	10/23/2018	1511 N Palace Ave	SS.GM.T0005889	Gravity Main
28792	10/24/2018	912 E Front St	SS.GM.T0006166	Gravity Main
29454	10/25/2018	713 Donnybrook Ave	SS.GM.T0006069	Gravity Main
29457	10/25/2018	908 Donnybrook Ave	SS.GM.T0006071	Gravity Main
29461	10/25/2018	900 Donnybrook Ave	SS.GM.T0006071	Gravity Main
28447	10/30/2018	535 S Lyons Ave	SS.GM.T0007204	Gravity Main

Table L-1: Gravity Mainline Repairs

26196	10/31/2018	4118 Stonebrook Ln	SS.GM.T0009670	Gravity Main
29197	10/31/2018	2739 W Northwest Loop 323	SS.GM.T0012417	Gravity Main
30203	10/31/2018	2121 Shaw St	SS.GM.T0009743	Gravity Main
29167	11/01/2018	6421 S Broadway Ave	SS.GM.T0013953	Gravity Main
29451	11/02/2018	2121 Shaw St	SS.GM.T0009743	Gravity Main
29557	11/03/2018	726 N Grand Ave	SS.GM.T0006366	Gravity Main
29850	11/03/2018	1523 E Erwin St	SS.GM.T0008918	Gravity Main
29847	11/05/2018	1401 E Lake St	SS.GM.T0004805	Gravity Main
30182	11/07/2018	13321 FM 206	SS.GM.T0012439	Gravity Main
30097	11/10/2018	4305 Park Pl	SS.GM.T0004031	Gravity Main
29938	11/12/2018	4020 Silverwood Dr	SS.GM.T0000637	Gravity Main
29942	11/12/2018	4020 Fry Ave	SS.GM.T0004034	Gravity Main
29972	11/12/2018	3412 Allen Ave	SS.GM.T0000698	Gravity Main
30890	11/12/2018	3024 Santa Elena Dr	SS.GM.T0004052	Gravity Main
30891	11/12/2018	3032 Santa Elena Dr	SS.GM.T0004052	Gravity Main
30918	11/12/2018	213 Heritage Cir	SS.GM.T0002169	Gravity Main
30107	11/14/2018	3619 Silverwood Dr	SS.GM.T0000634	Gravity Main
30534	11/15/2018	808 N Fannin Ave	SS.GM.T0007962	Gravity Main
28739	11/16/2018	1117 N Palace Ave	SS.GM.T0005897	Gravity Main
28990	11/19/2018	1320 Donnybrook Ave	SS.GM.T0006083	Gravity Main
31587	11/27/2018	1124 S Sneed Ave	SS.GM.T0006204	Gravity Main
31589	11/27/2018	609 E Lake St	SS.GM.T0006204	Gravity Main
30415	11/29/2018	E Houston St & Saunders Ave	SS.GM.T0006168	Gravity Main
29456	11/30/2018	1024 Donnybrook Ave	SS.GM.T0008964	Gravity Main
29576	12/03/2018	312 Melinda Ln	SS.GM.T0006667	Gravity Main
31968	12/04/2018	5513 Quail Creek Dr	SS.GM.T0001489	Gravity Main
31904	12/06/2018	405 Sutherland Dr	SS.GM.T0003708	Gravity Main
28884	12/10/2018	1510 Easy St	SS.GM.T0004026	Gravity Main
32275	12/11/2018	610 N Bois D Arc Ave	SS.GM.T0006360	Gravity Main
31900	12/14/2018	3306 Teakwood Dr	SS.GM.T0003013	Gravity Main
31903	12/14/2018	8304 Oxford Dr	SS.GM.T0002644	Gravity Main
31814	12/17/2018	1601 W Front St	SS.GM.T0007143	Gravity Main
32499	12/18/2018	508 Hyde Park Dr	SS.GM.T0000616	Gravity Main
25572	12/20/2018	N Palace Ave & W Bow St	SS.GM.T0006505	Gravity Main
25915	12/20/2018	Wilson St & N Palace Ave	SS.GM.T0005497	Gravity Main
32100	12/20/2018	126 S Fannin Ave	SS.GM.T0009064	Gravity Main
Contractor	2018	425 McMurrey Dr, TX, 75702	SS.GM.T0007045	Gravity Main
Contractor	2018	6110 S Broadway Ave, TX, 75703	SS.GM.T0001967	Gravity Main
Contractor	2018	1601 Everglades Dr, TX, 75703	SS.MH.T0005540	Gravity Main
Contractor	2018	3730 Briarwood Dr, TX, 75709	SS.GM.T0003461	Gravity Main
Contractor	2018	3730 Briarwood Dr, TX, 75709	SS.GM.T0003460	Gravity Main
Contractor	2018	3301 Saint James Ct, TX, 75701	SS.GM.T0002975	Gravity Main
Contractor	2018	3301 Saint James Ct, TX, 75701	SS.GM.T0002976	Gravity Main
Contractor	2018	1000 E Locust St, TX, 75702	SS.GM.T0007011	Gravity Main
Contractor	2018	1000 E Locust St, TX, 75702	SS.GM.T0008448	Gravity Main
Contractor	2018	5839 CR 427, TX, 75704	SS.GM.T0000276	Gravity Main

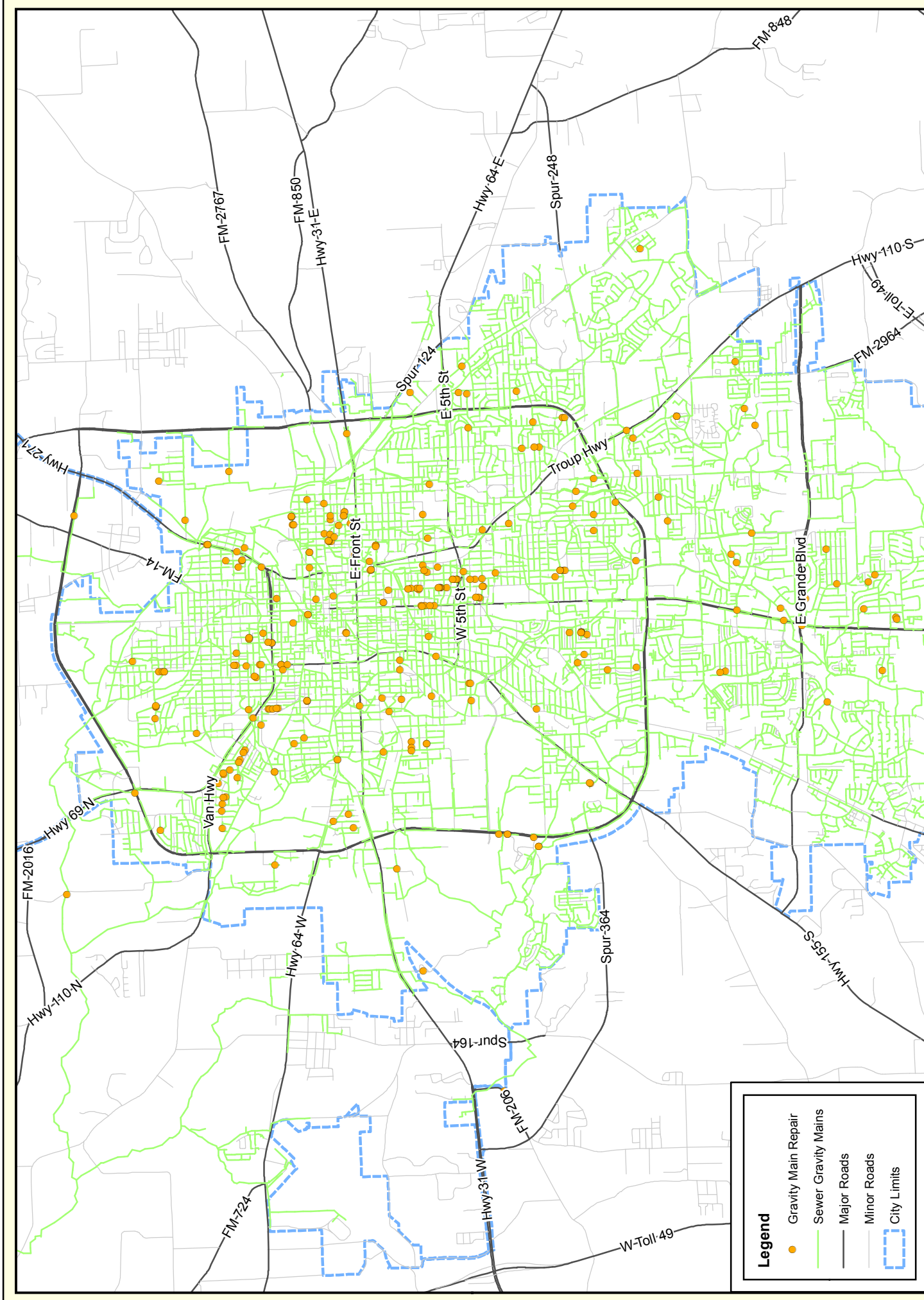


Table L2: Manhole Remediation Plan, Group 1

Manhole ID	Address	Remedial Measure	Estimated Construction Timeline
SS.MH.T0003557	2000 BLK. W. GRANDE BLVD.	Install Chimney Seal	Oct 2019 - Apr 2020
SS.MH.T0006122	1716 SYBIL LN	Install Chimney Seal	Oct 2019 - Apr 2020
SS.MH.T0013188	1712 SYBIL LN	Install Chimney Seal	Oct 2019 - Apr 2020
SS.MH.T0002688	1900 BLK. DUNCAN ST.	Install Chimney Seal	Oct 2019 - Apr 2020
SS.MH.T0005713	2623 E FIFTH ST	Install Cleanout Cap	Dec 2019 - Oct 2020
SS.MH.T0000708	2115 HOLLY CREEK DR	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0001551	1512 RICE RD	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0001689	500 BLK. SHILOH RD.	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0003376	1500 WSW LOOP 323	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0003469	800 BLK. RICE RD.	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0003712	6602 GLENEAGLES DR.	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0003901	1100 BLK. RICE RD.	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0003971	2810 SUNNYBROOK DR	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0004073	3300 BLK. SUNNYBROOK DR.	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0004091	3320 OLD BULLARD RD.	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0005560	300 BLK. ATLANTA AVE.	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0006101	1700 BLK E SE LOOP 323	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0006134	1700 BLK E SE LOOP 323	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0006997	NO NUMBER CR 2204	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0007343	1986 DUELING OAKS DR	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0008474	9285 CHISHOLM TRL	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0008613	NO NUMBER OLD BASCOM RD	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0013190	4212 BIRDWELL DR.	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0013192	3900 BIRDWELL DR	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0013464	2400 BLK W. GRANDE BLVD.	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0013473	301 ATLANTA AVE.	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0013474	500 BLK. SHILOH RD.	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0013495	2400 SHILOH RD	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0000254	3000 BLK. HWY 69 S.	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0000605	4055 HOGAN DR.	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0000969	11633 FM 2016	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0001172	806 WHITESIDE RD	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0001335	700 BLK. BELLWOOD LAKE RD.	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0001399	CR 1138	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0001731	3205 W ERWIN ST	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0001907	2302 STATE HWY 64	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0002019	3205 W ERWIN ST	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0002025	2371 STATE HWY 64	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0002142	806 WHITESIDE RD	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0002353	2811 PUBLIC RD	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0002589	1117 W. ERWIN ST.	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0002610	1326 W. ERWIN ST.	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0002681	1200 BLK. SHAWNEE BLVD.	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0002851	501 W 32ND ST	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0003097	600 BLK EISENHOWER DR	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0004391	2025 N. NE. LOOP 323	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0004463	1213 E. LAUREL ST.	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0004500	2027 N. HAYMIE AVE.	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0004542	901 N BERGFIED AVE	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0004591	310 N BECKHAM AVE	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0004650	1924 REDBUD AVE.	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0004891	401 E ERWIN ST	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0004894	1201 E. LAWRENCE ST.	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0004965	535 S BECKHAM AVE	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0005001	1201 E. LAWRENCE ST.	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0005056	1127 E. TRAVIS ST.	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0005091	1136 E IDEL ST	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0005097	912 S FLEISHEL AVE	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0005625	2121 OLD GLADEWATER HWY.	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0005627	425 MCMURREY DR	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0005655	1111 E. OLIVE ST.	Install Inflow Dish	Dec 2019 - Oct 2020

Table L2: Manhole Remediation Plan, Group 1

Manhole ID	Address	Remedial Measure	Estimated Construction Timeline
SS.MH.T0005753	1908 E ERWIN ST	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0005797	1124 S BLACKWELL AVE	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0006432	2900 BLK. E. 5TH ST.	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0006501	3225 SANDALWOOD LN	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0006637	2717 S. BOLDT AVE.	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0006660	2537 E 5TH ST	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0007519	13743 COUNTY RD. 46	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0007528	13743 COUNTY RD. 46	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0007642	10800 BLK SRUR 164	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0007750	10150 FM 14	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0007932	500 BLK. E. FRAZIER ST.	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0008300	1291 COUNTY RD. 3180	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0008303	1300 BLK. COUNTY RD. 326 W.	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0008304	1300 BLK. COUNTY RD. 326 W.	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0008305	9414 COUNTY RD. 327	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0008391	1300 BLK. COUNTY RD. 326 W.	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0008397	1294 COUNTY RD. 3180	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0009056	2700 BLK. WEXFORD DR.	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0009078	3800 BLK. BRIARWOOD DR.	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0010322	214 E ERWIN ST	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0011724	110 HOUSTON ST	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0012882	432 S. CONFEDERATE AVE.	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0013546	4356 HOGAN DR.	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0013580	1231 HOLMES AVE.	Install Inflow Dish	Dec 2019 - Oct 2020
SS.MH.T0007450	NO NUMBER WILDER WAY	Plug Lift Holes	Dec 2019 - Oct 2020
SS.MH.T0001166	3800 BLK. BRIARWOOD RD.	Plug Lift Holes	Dec 2019 - Oct 2020
SS.MH.T0005643	425 McMURREY DR	Plug Lift Holes	Dec 2019 - Oct 2020
SS.MH.T0003529	5601 SPRING CREEK DR.	Raise Casting	Dec 2019 - Oct 2020
SS.MH.T0007274	6991 OLD JACKSONVILLE HWY	Raise Casting	Dec 2019 - Oct 2020
SS.MH.T0008221	5934 GRACE LN	Raise Casting	Dec 2019 - Oct 2020
SS.MH.T0005612	425 McMURREY DR	Raise Casting	Dec 2019 - Oct 2020
SS.MH.T0005633	425 MCMURREY DR	Raise Casting	Dec 2019 - Oct 2020
SS.MH.T0005648	425 McMURREY DR	Raise Casting	Dec 2019 - Oct 2020
SS.MH.T0005649	425 McMURREY DR	Raise Casting	Dec 2019 - Oct 2020
SS.MH.T0005758	1801 SSE LOOP 323	Raise Casting	Dec 2019 - Oct 2020
SS.MH.T0006655	2700 BLK. E. 5TH ST.	Raise Casting	Dec 2019 - Oct 2020
SS.MH.T0007660	9131 NOTTINGHAM LN	Raise Casting	Dec 2019 - Oct 2020
SS.MH.T0008340	6357 REYNOLDS RD.	Raise Casting	Dec 2019 - Oct 2020
SS.MH.T0000279	3900 BLK LAKE FORREST DR	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0000305	5500 BLK. DONNYBROOK DR.	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0000329	8161 CR 2204	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0000331	3900 UNIVERSITY BLVD	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0000411	NONE W CUMBERLAND RD	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0000412	NONE W CUMBERLAND RD	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0000413	NONE W CUMBERLAND RD	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0000414	7596 GLADE MILL LN	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0000440	NONE PRINCEDALE DR	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0000445	1986 DUELING OAKS DR	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0000505	6783 OLD JACKSONVILLE HWY	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0000582	600 BLK. W. CUMBERLAND DR.	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0000835	1500 WSW LOOP 323	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0000837	1600 WSW LOOP 323	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0001417	600 BLK. W. CUMBERLAND DR.	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0001697	1505 W GRANDE BLVD	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0001698	1505 W GRANDE BLVD	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0002464	600 BLK. CUMBERLAND RD.	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0002465	600 BLK. W. CUMBERLAND RD.	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0002466	600 BLK. W. CUMBERLAND RD.	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0003386	1357 DOMINION PLAZA	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0003536	4901 KINSEY DR	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0003544	1400 BLK GRANDE BLVD	Realign and Seal Casting	Dec 2019 - Oct 2020

Table L2: Manhole Remediation Plan, Group 1

Manhole ID	Address	Remedial Measure	Estimated Construction Timeline
SS.MH.T0003599	5000 BLK. SPRING CREEK DR.	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0003657	618 SPRING CREEK DR.	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0003658	618 SPRING CREEK DR.	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0003660	6000 BLK. SPRING CREEK DR.	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0003662	6000 BLK. SPRING CREEK DR.	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0003732	700 BLK. RIDGE PLACE DR.	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0003733	700 BLK. RIDGE PLACE CIR.	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0003734	6700 HOLLY TREE DR	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0003794	6200 BLK. SPRING CREEK DR.	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0003797	400 BLK. GRANDE BLVD.	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0003798	400 BLK. GRANDE BLVD.	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0003829	600 BLK. RIDGE CREEK DR.	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0003914	600 BLK. CUMBERLAND RD.	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0003916	600 BLK. CUMBERLAND RD.	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0004103	6100 HOLLEYTREE DR.	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0004155	600 BLK. COURT CREST DR.	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0004156	600 BLK. PRESTONWOOD CIR.	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0004169	6000 BLK. SPRING CREEK DR.	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0004206	3900 B UNIVERSITY BLVD	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0005199	4900 BLK. S. DONNYBROOK AVE.	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0005204	5100 BLK. DONNYBROOK AVE.	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0005248	3900 UNIVERSITY BLVD	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0005249	3979 UNIVERSITY BLVD	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0005251	3900 UNIVERSITY BLVD	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0005253	3500 BLK UNIVERSITY BLVD	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0005254	3500 BLK UNIVERSITY BLVD	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0005591	1505 W GRANDE BLVD	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0005601	NA WESTCHESTER DR.	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0005602	5602 WESTCHESTR DR.	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0005603	5602 WESTCHESTER DR.	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0006130	1700 BLK E SE LOOP 323	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0006227	5000 BLK KIRKCLADEY DR	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0006233	4200 BLK. CHAD DR.	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0006294	5100 BLK. DONNYBROOK AVE.	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0006356	3900 3900 UNIVERSITY BLVD	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0006794	3900 3900 UNIVERSITY BLVD	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0007016	4201 UNIVERSITY BLVD	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0007026	NO NUMBER OLD BASCOM RD	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0007037	2531 LAZY ACRES LN	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0007038	2555 LAZY ACRES LN	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0007097	1357 DOMINION PLAZA	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0007099	1367 DOMINION PLAZA	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0007402	901 WILDER WAY	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0007428	1217 WILDER WAY	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0007843	8330 PALUXY RD	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0007845	8380 PALUXY DR	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0007853	6047 GRACE AVE	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0007911	NONE NONE	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0007912	NONE NONE	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0008601	NO NUMBER OLD BOSCOM RD	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0008607	NO NUMBER OLD BASCOM RD	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0008615	NO NUMBER BRIGHTON CREEK CIR	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0009171	NONE NONE	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0009249	7200 PALUXY DR	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0009289	NO NUMBER OLD BASCOM RD	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0013273	1505 W GRANDE BLVD	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0013357	9000 BLK QUIET WATER	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0013484	1617 TIMBERVIEW DR	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0013574	4020 FRY AVE.	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0000141	14939 CR 46	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0000177	10900 BLK STATE HWY 110	Realign and Seal Casting	Dec 2019 - Oct 2020

Table L2: Manhole Remediation Plan, Group 1

Manhole ID	Address	Remedial Measure	Estimated Construction Timeline
SS.MH.T0000370	2695 S. SW LOOP 323	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0000607	4055 HOGAN DR.	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0000756	729 N FLIESHEL AVE	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0000852	1903 E FRONT ST	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0000918	NO NUMBER CR 1138	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0000919	NO NUMBER CR 1138	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0000926	NO NUMBER CR 1138	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0000928	NO NUMBER CR 1138	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0000929	NO NUMBER CR 1138	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0000931	NO NUMBER SPUR 164	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0000934	NO NUMBER SPUR 164	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0000935	10900 BLK SPUR 164	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0000937	10900 BLK SPUR 164	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0000945	NO NUMBER LAKEVIEW DR	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0000946	NO NUMBER LAKEVIEW DR	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0000947	NO # LAKEVIEW DR	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0000948	NO NUMBER LAKEVIEW DR	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0000978	NONE COUNTY ROAD 427	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0001036	NO NUMBER N NW LOOP 323	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0001084	3400 BLK W ERWIN ST	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0001125	2500 BLK HWY 110	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0001153	3509 S. SW LOOP 323	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0001337	813 WHITESIDE RD.	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0001345	700 BLK. BELLWOOD LAKE RD.	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0001390	2695 S. SW LOOP 323	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0001391	2695 S. SW LOOP 323	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0001396	2695 SSW LOOP 323	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0001763	3205 W ERWIN ST	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0001770	39 40	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0001897	3468 BALDWIN DR	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0001904	2371 STATE HWY 64	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0001981	3205 W ERWIN ST	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0001985	1730 N NW LOOP 323	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0001986	2300 BLK HWY 110	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0001989	1528 N NW LOOP 323	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0001991	NO NUMBER HWY 110	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0002024	3205 W ERWIN ST	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0002150	3250 ROBERTSON RD	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0002282	1230 S. SW LOOP 323	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0002348	2811 PUBLIC RD	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0002362	NONE W NW LOOP 323	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0002371	2310 CECIL AVE.	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0002374	729 N FLEISHEL AVE	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0002375	729 N FLEISHEL AVE	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0002376	1111 E. OLIVE ST.	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0002379	729 N FLEISHEL AVE	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0002381	4992 FM 14	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0002686	3205 W ERWIN ST	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0002844	701 W 32ND ST	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0002975	2121 E. MLK JR. BLVD.	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0003005	525 W SPRING AVE	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0003008	500 BLK W 32ND ST	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0003045	409 N BROADWAY AVE	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0003047	500 BLK. N. BROADWAY AVE.	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0003091	5511 HWY 31	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0003092	5521 HWY 31	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0003093	5511 HWY 31	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0003126	1000 BLK. E. MLK JR. BLVD.	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0004380	432 NNE LOOP 323	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0004387	425 McMURREY DR	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0004527	525 W SPRING AVE	Realign and Seal Casting	Dec 2019 - Oct 2020

Table L2: Manhole Remediation Plan, Group 1

Manhole ID	Address	Remedial Measure	Estimated Construction Timeline
SS.MH.T0004594	906 E LOCUST ST	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0004601	725 E LOCUST ST	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0004610	1034 E OAKWOOD	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0004924	200 BLK S HIGH ST	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0004979	400 BLK DOUGLES BLVD	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0004980	400 BLK E DOUGLAS BLVD	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0004983	400 BLK E DOUGLAS BLVD	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0004998	1100 BLK E FRONT ST	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0005070	500 BLK. E. FRAZIER ST.	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0005611	425 McMURREY DR	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0005636	376 McMURREY DR	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0005654	1111 E. OLIVE ST.	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0005666	2025 N. NE. LOOP 323	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0005717	2450 E 5TH ST	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0005744	1800 BLK OLD HENDERSON HWY	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0005790	400 E FIFTH ST	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0005820	600 BLK GOLDEN RD	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0005861	600 BLK GOLDEN RD	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0005866	1900 BLK E FRONT ST	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0005868	702 S PORTER AVE	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0005904	120 SSE LOOP 323	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0005905	401 NNE LOOP 323	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0006578	2632 WOODHAVEN DR	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0006678	1823 SSE LOOP 323	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0006679	NO NUMBER MARILYN DR	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0006722	2512 MARILYN DR.	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0006743	2326 PLEASANT DR.	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0006768	1717 SSE LOOP 323	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0007102	3100 BLK. CAMPBELL PKWY.	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0007202	2400 BLK SWIKEN BRIDGE DR	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0007203	2400 BLK SWIKEN BRIDGE DR	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0007509	14461 CR 46	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0007510	14461 CR 46	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0007513	14661 CR 46	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0007514	14461 CR 46	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0007515	14461 CR 46	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0007517	13743 COUNTY RD. 46	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0007544	NO NUMBER CR 46	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0007554	6712 HWY. 110	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0007555	13743 COUNTY RD. 46	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0007630	4468 CASCADES BLVD	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0007634	4367 HOGAN DR.	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0008271	NO NUMBER CR 1148	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0008294	400 BLK. E. NE LOOP 323	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0008295	400 BLK. E. NE LOOP 323	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0008296	400 BLK. E. NE LOOP 323	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0008321	13378 HWY 64 W.	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0008327	400 BLK. E. NE LOOP 323	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0008388	400 BLK. E. NE LOOP 323	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0008390	1300 BLK. COUNTY RD. 326 W.	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0008392	1300 BLK. COUNTY RD. 326 W.	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0008393	1300 BLK. COUNTY RD. 326 W.	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0008395	1300 BLK. COUNTY RD. 326 W.	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0008542	NO NUMBER CR 47	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0008543	NO NUMBER CR 47	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0008544	NO NUMBER CR 47	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0008560	NO NUMBER CR 47	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0008561	NO NUMBER CR 47	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0008562	NO NUMBER CR 47	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0008563	NO NUMBER CR 47	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0008565	NO NUMBER CR 47	Realign and Seal Casting	Dec 2019 - Oct 2020

Table L2: Manhole Remediation Plan, Group 1

Manhole ID	Address	Remedial Measure	Estimated Construction Timeline
SS.MH.T0008568	NO NUMBER CR 1148	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0008571	NO NUMBER CR 47	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0008576	6504 COUNTY RD. 35	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0008577	6466 COUNTY RD. 35	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0008586	1379 COUNTY RD. 3171	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0008588	1379 COUNTY RD. 3171	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0008952	2523 E COMMERCE ST	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0008956	412 NNE LOOP 323	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0008976	9500 BLK COUNTY ROAD 273	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0008988	3303 HWY 69	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0009011	2811 PUBLIC RD	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0009060	3800 BLK. BRIARWOOD DR.	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0009070	3369 CASCADES BLVD.	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0009096	4400 BLK CASCADES BLVD	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0009097	4398 HOGAN DR	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0013004	1500 BLK N NW LOOP 323	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0013005	1500 BLK N NW LOOP 323	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0013042	3400 BLK W ERWIN ST	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0013050	NO NUMBER CR 427	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0013056	425 McMURREY DR	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0013068	1903 E FRONT ST	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0013076	425 McMURREY DR	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0013091	425 McMURREY DR	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0013150	500 BLK. N. BROADWAY AVE.	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0013152	201 E BOW ST	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0013155	1123 E. GENTRY PKWY.	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0013157	1111 E. OLIVE ST.	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0013159	1111 E. OLIVE ST.	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0013160	1111 E. OLIVE ST.	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0013161	1111 E. OLIVE ST.	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0013163	1111 E. OLIVE ST.	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0013164	1111 E. OLIVE ST.	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0013165	1111 E. OLIVE ST.	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0013238	500 BLK W 32ND ST	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0013328	3351 CASCADES CT	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0013328A	3351 CASCADES CT	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0013512	NO NUMBER CR 1148	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0013514	NO NUMBER HWY 110	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0013520	2121 W ERWIN ST	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0013555	NO NUMBER CR 1138	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0013557	NO NUMBER CR 1138	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0013558	NO NUMBER CR 1138	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0013601	500 BLK. N. FLEISHEL AVE.	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0013605	1400 E FIFTH ST	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0013606	1124 S BLACKWELL AVE	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0013607	1124 S BLACKWELL AVE	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0013614	1000 BLK S BLACKWELL AVE	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0013626	800 BLK E DAWSON ST	Realign and Seal Casting	Dec 2019 - Oct 2020
SS.MH.T0002516	3500 S VINE AVE	Repair Bench	Dec 2019 - Oct 2020
SS.MH.T0002995	1630 W NW LOOP 323	Repair Bench	Dec 2019 - Oct 2020
SS.MH.T0002996	1630 W NW LOOP 323	Repair Bench	Dec 2019 - Oct 2020
SS.MH.T0003087	2121 OLD GLADEWATER HWY.	Repair Bench	Dec 2019 - Oct 2020
SS.MH.T0005803	929 S BLACKWELL AVE	Repair Bench	Dec 2019 - Oct 2020
SS.MH.T0013053	4423 CR 427	Repair Bench	Dec 2019 - Oct 2020
SS.MH.T0005243	3000 BLK. NEW COPELAND RD.	Repair Chimney	Dec 2019 - Oct 2020
SS.MH.T0007499	3088 OLD OMEN RD	Repair Chimney	Dec 2019 - Oct 2020
SS.MH.T0001835	238 S. GLENWOOD BLVD.	Repair Chimney	Dec 2019 - Oct 2020
SS.MH.T0002309	100 BLK. E. QUEEN ST.	Repair Chimney	Dec 2019 - Oct 2020
SS.MH.T0002359	2824 CECIL AVE.	Repair Chimney	Dec 2019 - Oct 2020
SS.MH.T0002719	NO NUMBER BELLWOOD RD	Repair Chimney	Dec 2019 - Oct 2020
SS.MH.T0002780	1600 BLK HWY 323	Repair Chimney	Dec 2019 - Oct 2020

Table L2: Manhole Remediation Plan, Group 1

Manhole ID	Address	Remedial Measure	Estimated Construction Timeline
SS.MH.T0003002	2900 BLK N BROADWAY AVE	Repair Chimney	Dec 2019 - Oct 2020
SS.MH.T0004193	4992 FM 14	Repair Chimney	Dec 2019 - Oct 2020
SS.MH.T0004393	2617 N. NE LOOP 323	Repair Chimney	Dec 2019 - Oct 2020
SS.MH.T0004800	1207 ELIZABETH DR	Repair Chimney	Dec 2019 - Oct 2020
SS.MH.T0005100	1120 MEDICAL DR	Repair Chimney	Dec 2019 - Oct 2020
SS.MH.T0005647	425 MC MURREY DR.	Repair Chimney	Dec 2019 - Oct 2020
SS.MH.T0005759	1717 SSE LOOP 323	Repair Chimney	Dec 2019 - Oct 2020
SS.MH.T0005951	401 NNE LOOP 323	Repair Chimney	Dec 2019 - Oct 2020
SS.MH.T0005959	1215 ELIZABETH DR	Repair Chimney	Dec 2019 - Oct 2020
SS.MH.T0006439	1500 BLK GISH LN	Repair Chimney	Dec 2019 - Oct 2020
SS.MH.T0006824	425 E. COMMERCE ST.	Repair Chimney	Dec 2019 - Oct 2020
SS.MH.T0007541	NO NUMBER CR 46	Repair Chimney	Dec 2019 - Oct 2020
SS.MH.T0008957	412 NNE LOOP 323	Repair Chimney	Dec 2019 - Oct 2020
SS.MH.T0009079	2811 PUBLIC RD	Repair Chimney	Dec 2019 - Oct 2020
SS.MH.T0012857	515 E ERWIN ST	Repair Chimney	Dec 2019 - Oct 2020
SS.MH.T0013051	4461 CR 427	Repair Chimney	Dec 2019 - Oct 2020
SS.MH.T0013072	800 BLK S PORTER AVE	Repair Chimney	Dec 2019 - Oct 2020
SS.MH.T0013551	200 BLK N PARKLAND DR	Repair Chimney	Dec 2019 - Oct 2020
SS.MH.T0013600	500 BLK. N. FLEISHEL AVE.	Repair Chimney	Dec 2019 - Oct 2020
SS.MH.T0013622	1124 S BLACKWELL AVE	Repair Chimney	Dec 2019 - Oct 2020
SS.MH.T0000421	1309 ELK RIVER DR	Repair Pipe Seal	Oct 2019 - Apr 2020
SS.MH.T0003566	5516 HOLLYTREE DR.	Repair Pipe Seal	Oct 2019 - Apr 2020
SS.MH.T0003679	6311 S. BROADWAY	Repair Pipe Seal	Oct 2019 - Apr 2020
SS.MH.T0006305	NO NUMBER CALLOWAY RD	Repair Pipe Seal	Oct 2019 - Apr 2020
SS.MH.T0007051	NONE NONE	Repair Pipe Seal	Oct 2019 - Apr 2020
SS.MH.T0007399	813 CUMBERLAND RD	Repair Pipe Seal	Oct 2019 - Apr 2020
SS.MH.T0007405	NO NUMBER E CUMBERLAND RD	Repair Pipe Seal	Oct 2019 - Apr 2020
SS.MH.T0007445	1217 WILDER WAY	Repair Pipe Seal	Oct 2019 - Apr 2020
SS.MH.T0007447	NO NUMBER WILDER WAY	Repair Pipe Seal	Oct 2019 - Apr 2020
SS.MH.T0007449	NO NUMBER WILDER WAY	Repair Pipe Seal	Oct 2019 - Apr 2020
SS.MH.T0007451	NO NUMBER WILDER WOODS	Repair Pipe Seal	Oct 2019 - Apr 2020
SS.MH.T0007875	NO NUMBER PALUXY RD	Repair Pipe Seal	Oct 2019 - Apr 2020
SS.MH.T0008205	1514 CR 1181	Repair Pipe Seal	Oct 2019 - Apr 2020
SS.MH.T0008408	9018 ELM TREE CIR	Repair Pipe Seal	Oct 2019 - Apr 2020
SS.MH.T0013191	3908 BIRDWELL DR	Repair Pipe Seal	Oct 2019 - Apr 2020
SS.MH.T0013463	NA OLD JACKSONVILLE HWY.	Repair Pipe Seal	Oct 2019 - Apr 2020
SS.MH.T0000492	NA HWY 31 W.	Repair Pipe Seal	Aug 2019 - Jan 2020
SS.MH.T0002726	1000 BLK. N. BROADWAY AVE.	Repair Pipe Seal	Oct 2019 - Apr 2020
SS.MH.T0004495	701 W 32ND ST	Repair Pipe Seal	Oct 2019 - Apr 2020
SS.MH.T0004540	901 N BERGFIED AVE	Repair Pipe Seal	Oct 2019 - Apr 2020
SS.MH.T0004609	1039 E. OAKWOOD ST.	Repair Pipe Seal	Oct 2019 - Apr 2020
SS.MH.T0004676	620 GOLDEN RD	Repair Pipe Seal	Oct 2019 - Apr 2020
SS.MH.T0005707	2532 E 5TH ST	Repair Pipe Seal	Oct 2019 - Apr 2020
SS.MH.T0005747	1714 E ERWIN ST	Repair Pipe Seal	Oct 2019 - Apr 2020
SS.MH.T0005880	1922 E FRONT ST	Repair Pipe Seal	Oct 2019 - Apr 2020
SS.MH.T0006807	1305 LOOP 323	Repair Pipe Seal	Oct 2019 - Apr 2020
SS.MH.T0006817	2500 BLK. MCDONALD RD.	Repair Pipe Seal	Oct 2019 - Apr 2020
SS.MH.T0008260	NONE WELLINGTON PL BLVD	Repair Pipe Seal	Aug 2019 - Jan 2020
SS.MH.T0008415	14024 HWY 64	Repair Pipe Seal	Aug 2019 - Jan 2020
SS.MH.T0008489	NO NUMBER HWY 64	Repair Pipe Seal	Aug 2019 - Jan 2020
SS.MH.T0008985	2811 PUBLIC RD	Repair Pipe Seal	Aug 2019 - Jan 2020
SS.MH.T0009061	3100 BLK CASCADES CT	Repair Pipe Seal	Aug 2019 - Jan 2020
SS.MH.T0009063	3100 BLK CASCADES CT	Repair Pipe Seal	Aug 2019 - Jan 2020
SS.MH.T0009066	3155 CASCADES CT	Repair Pipe Seal	Aug 2019 - Jan 2020
SS.MH.T0009068	3351 CASCADES CT	Repair Pipe Seal	Aug 2019 - Jan 2020
SS.MH.T0013549	2025 S. SW LOOP 323	Repair Pipe Seal	Aug 2019 - Jan 2020
SS.MH.T0005252	3500 BLK UNIVERSITY BLVD	Replace	Dec 2019 - Oct 2020
SS.MH.T0002514	3500 S VINE ST	Replace Lid	Dec 2019 - Oct 2020
SS.MH.T0003917	1300 BLK. RICE RD.	Replace Lid	Dec 2019 - Oct 2020
SS.MH.T0007043	NONE HARVEST HILL DR	Replace Lid	Dec 2019 - Oct 2020
SS.MH.T0013377	5000 BLK. HOLLYTREE DR.	Replace Lid	Dec 2019 - Oct 2020

Table L2: Manhole Remediation Plan, Group 1

Manhole ID	Address	Remedial Measure	Estimated Construction Timeline
SS.MH.T0000166	15700 BLK CR 46	Replace Lid	Dec 2019 - Oct 2020
SS.MH.T0002300	600 BLK. W. QUEEN ST.	Replace Lid	Dec 2019 - Oct 2020
SS.MH.T0001903	2371 STATE HWY 64	Replace Manhole	Dec 2019 - Oct 2020
SS.MH.T0001571	5602 HOLLEYTREE DR.	Replace Ring and Cover	Dec 2019 - Oct 2020
SS.MH.T0006304	NO NUMBER CALLOWAY RD	Replace Ring and Cover	Dec 2019 - Oct 2020
SS.MH.T0006357	3900 3900 UNIVERSITY BLVD	Replace Ring and Cover	Dec 2019 - Oct 2020
SS.MH.T0006358	3900 UNIVERSITY BLVD	Replace Ring and Cover	Dec 2019 - Oct 2020
SS.MH.T0006359	3900 3900 UNIVERSITY BLVD	Replace Ring and Cover	Dec 2019 - Oct 2020
SS.MH.T0006975	6000 BLK PALUXY DR	Replace Ring and Cover	Dec 2019 - Oct 2020
SS.MH.T0007400	813 CUMBERLAND RD	Replace Ring and Cover	Dec 2019 - Oct 2020
SS.MH.T0008619	NO NUMBER OLD BASCOM RD	Replace Ring and Cover	Dec 2019 - Oct 2020
SS.MH.T0000777	830 S FANNIN RD	Replace Ring and Cover	Dec 2019 - Oct 2020
SS.MH.T0000939	NO NUMBER SPUR 164	Replace Ring and Cover	Dec 2019 - Oct 2020
SS.MH.T0001299	600 BLK EISENHOWER DR	Replace Ring and Cover	Dec 2019 - Oct 2020
SS.MH.T0001381	700 BLK. BELLWOOD LAKE RD.	Replace Ring and Cover	Dec 2019 - Oct 2020
SS.MH.T0004731	108 S FANNIN ST	Replace Ring and Cover	Dec 2019 - Oct 2020
SS.MH.T0005650	425 MC MURREY DR	Replace Ring and Cover	Dec 2019 - Oct 2020
SS.MH.T0005805	1011 S BLACKWELL AVE	Replace Ring and Cover	Dec 2019 - Oct 2020
SS.MH.T0007646	NA HWY 31 W.	Replace Ring and Cover	Dec 2019 - Oct 2020
SS.MH.T0007647	3211 GREENBRIAR RD.	Replace Ring and Cover	Dec 2019 - Oct 2020
SS.MH.T0009062	3800 BLK. BRIARWOOD RD.	Replace Ring and Cover	Dec 2019 - Oct 2020
SS.MH.T0013540	2025 S. SW LOOP 323	Replace Ring and Cover	Dec 2019 - Oct 2020
SS.MH.T0013543	806 WHITESIDE RD	Replace Ring and Cover	Dec 2019 - Oct 2020
SS.MH.T0013598	425 McMURREY DR	Replace Ring and Cover	Dec 2019 - Oct 2020
SS.MH.T0000342	1419 ROYAL OAK DR	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0000363	6000 BLK. S. BROADWAY AVE.	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0000410	NONE W CUMBERLAND RD	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0000430	6760 OLD JACKSONVILLE HWY	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0000488	600 BLK. RIDGE CREEK DR.	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0000553	600 BLK. RIDGE CREEK DR.	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0000576	5500 BLK. S. DONNYBROOK AVE.	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0000581	600 BLK. W. CUMBERLAND RD.	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0000709	6938 PARK SLOPE	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0000752	821 E. SE LOOP 323	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0000754	419 SHILOH RD	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0001549	1620 RICE RD	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0001550	1550 RICE RD	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0001560	5709 PLANTATION DR	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0001573	1302 W. RIECK RD.	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0001644	6000 BLK. SPRING CREEK DR	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0001645	6000 BLK. SPRING CREEK DR.	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0001707	7010 CHERRYHILL DR	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0003318	2700 SUNNYBROOK DR	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0003370	1500 WSW LOOP 323	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0003371	1500 WSW LOOP 323	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0003372	1500 WSW LOOP 323	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0003540	1505 W GRANDE BLVD	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0003541	1505 W GRANDE BLVD	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0003543	1400 BLK GRANDE BLVD	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0003558	1698 W. GRANDE BLVD.	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0003567	5476 HOLLYTREE DR.	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0003585	5703 SPRING CREEK DR.	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0003673	6205 S. BROADWAY AVE.	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0003681	6000 BLK. S. BROADWAY AVE.	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0003705	898 LA VISTA DR	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0003707	1409 ROYAL OAK DR	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0003724	6502 GLENEAGLES DR.	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0003735	6700 HOLLY TREE DR	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0003989	2800 BLK US HWY 69	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0004063	3023 SUNNYBROOK DR.	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0004078	3310 OLD BULLARD RD.	Seal Coat Manhole	Oct 2019 - Apr 2020

Table L2: Manhole Remediation Plan, Group 1

Manhole ID	Address	Remedial Measure	Estimated Construction Timeline
SS.MH.T0004173	2600 BLK. S. DONNYBROOK AVE.	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0005180	4900 BLK. S. DONNYBROOK AVE.	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0005185	4100 BLK. DONNYBROOK AVE.	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0005198	4900 BLK. S. DONNYBROOK AVE.	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0005214	200 BLK. SHILOH RD.	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0005230	3615 WYNNWOOD DR.	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0005250	3900 UNIVERSITY BLVD	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0005256	NO NUMBER LAKE FORREST DR	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0005257	NO NUMBER OAK KNOLL DR	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0005264	1121 E. SE LOOP 323	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0005330	5500 BLK. NEW COPELAND RD.	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0005381	3210 LAKEPINE CIR	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0005382	3306 LAKEPINE CIR	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0005398	5500 BLK. S. DONNYBROOK AVE.	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0005570	3703 LAKE FORREST DR	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0005572	3204 LAKE FORREST DR	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0005573	3204 LAKE FORREST DR	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0005988	4000 BLK. S. DONNYBROOK AVE.	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0006024	3200 BLK UNIVERSITY BLVD	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0006025	3225 UNIVERSITY BLVD	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0006026	3225	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0006038	3519 LAKEMONT DR	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0006048	3800 BLK LAKE FORREST DR	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0006100	1700 BLK E SE LOOP 323	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0006185	5401 KENT DR	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0006187	5710 REED RD	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0006190	NONE KENT DR	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0006252	4321 NEW COPELAND RD.	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0006301	3204 LAKEPINE CIR	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0006562	3620 MCDONALD RD.	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0006891	5800 NEW COPELAND RD.	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0006971	5058 PALUXY DR	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0006977	5002 SHILOH VILLAGE DR	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0006978	5707 PERSIMMON DR	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0006998	6150 RHONES QUARTER RD #49	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0007025	NO NUMBER OLD BASCOM RD	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0007416	300 BLK W CUMBERLAND RD	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0007417	400 BLK W CUMBERLAND RD	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0007418	600 BLK. W. CUMBERLAND DR.	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0007419	600 BLK. W. CUMBERLAND DR.	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0007420	400 BLK W CUMBERLAND RD	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0007421	620 W. CUMBERLAND DR.	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0007589	4200 BLK UNIVERSITY BLVD	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0007622	2445 THREE LAKES PKWY	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0007666	NO NUMBER OLD BASCOM RD	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0007667	6200 TROUP HWY	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0007840	8336 PALUXY RD	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0007841	8336 PALUXY RD	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0007860	620 W. CUMBERLAND RD.	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0007861	620 W. CUMBERLAND RD.	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0007862	620 W. CUMBERLAND RD.	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0007898	13120 HWY 110	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0007901	NONE STONEGATE VALLEY DR	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0007902	3014 STONEGATE VALLEY DR	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0007949	6828 WESTON CT	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0007953	2213 KINGSMILL CIR	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0008084	NO NUMBER PALUXY DR	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0008087	NO NUMBER FM 756	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0008194	1662 JEFF DAVIS DR	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0008195	1662 JEFF DAVIS DR	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0008604	NO NUMBER OLD BASCOM RD	Seal Coat Manhole	Oct 2019 - Apr 2020

Table L2: Manhole Remediation Plan, Group 1

Manhole ID	Address	Remedial Measure	Estimated Construction Timeline
SS.MH.T0008617	NO NUMBER BRIDGEWOOD TRL	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0008625	3509 LAKEMONT DR	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0008626	3519 LAKEMONT DR	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0008628	3519 LAKEMONT DR	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0008629	3519 LAKEMONT DR	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0008631	3519 LAKEMONT DR	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0008769	1605 OAK CREEK CIR	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0008770	9030 OD HICKORY RD	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0008771	9045 OLD HICKORY RD	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0008772	1443 OLD CREEK DR	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0008773	9285 CHISHOLM TRL	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0008863	NONE HWY 49	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0009101	5915 NORTHSTAR BLVD	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0013254	700 BLK. RIDGE PLACE CIR.	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0013278	5011 SHILOH VILLAGE DR	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0013350	400 BLK W CUMBERLAND RD	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0013373	1902 BRANDON DR	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0013483	3026 STONEGATE VALLEY DR	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0013485	5900 BLK RHODES QUARTER RD	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0013490	NO NUMBER OLD BASCOM RD	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0013492	NO NUMBER OLD BASCOM RD	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0013508	1500 WSW LOOP 323	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0013575	4020 FRY AVE.	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0000182	10900 BLK STATE HWY 110	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0000187	10900 BLK STATE HWY 110	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0000190	14000 BLK CR 468	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0000196	No # CR 471	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0000199	No # CR 471	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0000201	No # CR 471	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0000375	525 N SPRING AVE	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0000663	2811 PUBLIC RD	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0000924	NO NUMBER HWY 31	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0000927	NO NUMBER CR 1138	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0000932	NO NUMBER SPUR 164	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0000938	NO NUMBER SPUR 164	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0000940	NO NUMBER SPUR 164	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0000942	NO NUMBER CR 4180 E	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0000943	NO NUMBER CR 427	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0000944	NO NUMBER CR 427	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0000949	NO NUMBER LAKEVIEW DR	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0000950	NO NUMBER LAKEVIEW DR	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0000951	NO NUMBER LAKEVIEW DR	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0000952	NO NUMBER LAKEVIEW DR	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0000953	NO NUMBER LAKEVIEW DR	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0000955	NO NUMBER LAKEVIEW DR	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0000956	NO NUMBER LAKEVIEW DR	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0000957	NO NUMBER LAKEVIEW DR	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0000958	6712 HWY 110	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0000959	6712 HWY 110	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0000960	11633 FM 2016	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0000961	NO NUMBER CR 4180	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0000962	NO NUMBER CR 4180 E	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0000963	NO NUMBER CR 4180 E	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0000964	NO NUMBER CR 4180 E	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0000966	2622 LAKEVIEW DR	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0000967	2596 STATE HWY 110	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0000968	302 BUGBY LN	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0000970	NONE COUNTY RD 427	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0000971	NONE COUNTY RD 427	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0000973	NONE COUNTY RD 427	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0000975	NONE COUNTY RD 427	Seal Coat Manhole	Aug 2019 - Jan 2020

Table L2: Manhole Remediation Plan, Group 1

Manhole ID	Address	Remedial Measure	Estimated Construction Timeline
SS.MH.T0000976	NONE COUNTY RD 427	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0000977	NONE COUNTY RD 427	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0000979	NONE COUNTY RD 427	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0000982	NONE HWY 69	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0000983	NONE HWY 69	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0000984	NONE HWY 69	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0000986	NONE HWY 69	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0000989	NONE HWY 69	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0000990	NONE HWY 69	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0000991	NONE HWY 69	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0000992	NONE HWY 69	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0000993	NONE HWY 69	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0000994	2811 PUBLIC RD	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0000995	2811 PUBLIC RD	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0000997	2811 PUBLIC RD	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0000999	2800 BLK PUBLIC RD	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0001000	2800 BLK PUBLIC RD	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0001001	NONE HWY 323	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0001002	NONE HWY 323	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0001005	1600 BLK HWY 323	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0001006	1600 BLK HWY 323	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0001008	2500 BLK HWY 110	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0001024	425 McMURREY DR	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0001035	1500 BLK N NW LOOP 323	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0001037	2926 GARDEN VALLEY RD	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0001038	2804 GARDEN VALLEY RD.	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0001040	2805 GARDEN VALLEY RD.	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0001076	1500 BLK N NW LOOP 323	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0001078	1528 N NW LOOP 323	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0001124	NO NUMBER HWY 110	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0001145	523 E BOW ST	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0001185	2025 S. SW LOOP 323	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0001241	2700 BLK. S. SW LOOP 323	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0001253	400 BLK. N. BROADWAY AVE.	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0001258	NO NUMBER N PABST AVE	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0001261	500 BLK EISENHOWER DR	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0001266	5100 BLK STATE HWY 31	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0001274	5100 BLK STATE HWY 31	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0001300	700 BLK BELLWOOD LAKE RD	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0001316	NONE BELLWOOD RD	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0001317	NONE BELLWOOD RD	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0001329	700 BLK. BELLWOOD LAKE RD.	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0001331	700 BLK. BELLWOOD LAKE RD.	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0001382	700 BLK. BELLWOOD LAKE RD.	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0001384	700 BLK. BELLWOOD LAKE RD.	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0001386	700 BLK. BELLWOOD LAKE RD.	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0001387	700 BLK. BELLWOOD LAKE RD.	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0001388	700 BLK. BELLWOOD LAKE RD.	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0001392	2025 S. SW LOOP 323	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0001393	2025 S. SW LOOP 323	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0001398	2695 S. SW LOOP 323	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0001403	2025 S. SW LOOP 323	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0001761	3205 W ERWIN ST	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0001764	3205 W ERWIN ST	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0001765	2520 W OAKWOOD ST	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0001769	3205 W ERWIN ST	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0001813	1825 W ERWIN ST	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0001814	2021 W ERWIN ST	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0001815	1915 W ERWIN ST	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0001977	3205 W ERWIN ST	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0001979	3205 W ERWIN ST	Seal Coat Manhole	Aug 2019 - Jan 2020

Table L2: Manhole Remediation Plan, Group 1

Manhole ID	Address	Remedial Measure	Estimated Construction Timeline
SS.MH.T0001984	3606 HWY 110	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0001990	NO NUMBER HWY 110	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0002018	3205 W ERWIN ST	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0002046	3600 BK. WALTON RD.	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0002343	1630 W NW LOOP 323	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0002344	1630 LOOP 323	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0002345	1600 BLK HWY 323	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0002354	2824 CECIL AVE.	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0002356	2824 CECIL AVE.	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0002358	2202 W. NW LOOP 323	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0002360	2200 BLK WNW LOOP 323	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0002361	2200 BLK W NW LOOP 323	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0002363	2200 BLK W NW LOOP 323	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0002368	NONE W NW LOOP 323	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0002382	4992 FM 14	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0002383	2824 CECIL AVE.	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0002588	1117 W. ERWIN ST.	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0002590	1302 W. ERWIN ST.	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0002605	1522 W. ERWIN ST.	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0002690	2511 N. INDUSTRIAL AVE.	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0002775	2121 E. MLK JR. BLVD.	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0002792	1213 E. HILLSBORO ST.	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0002793	1213 E. OLIVE ST.	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0002846	701 W 32ND ST	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0002847	701 W 32ND ST	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0002861	2900 BLK N BROADWAY AVE	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0002862	2900 BLK N BROADWAY AVE	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0002905	3405 N LUBERTA ST	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0002912	NONE W 32ND ST	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0002926	2310 CECIL AVE.	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0002945	300 BLK. N. COLLEGE AVE.	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0002955	407 W. LOCUST ST.	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0002957	411 W. ERWIN ST.	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0002958	415 W. ERWIN ST.	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0002959	400 BLK. N. BROADWAY AVE.	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0002962	100 E. LINE ST.	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0002966	300 BLK. W. ERWIN ST.	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0002967	100 BLK. N. BONNER AVE.	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0002997	NONE W NW LOOP 323	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0002998	NONE W NW LOOP 323	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0002999	NONE W NW LOOP 323	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0003043	200 BLK. N. BONNER AVE.	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0003142	2900 BLK. COTTEN RD.	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0003143	2916 GREENBRIAR RD.	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0003146	3900 BLK CR 1125	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0004192	1630 W NW LOOP 323	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0004194	4992 FM 14	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0004383	2229 E COMMERCE ST	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0004389	2025 N. NE. LOOP 323	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0004390	2025 N. NE. LOOP 323	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0004462	1213 E. LAUREL ST.	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0004465	1700 N. CENTRAL AVE.	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0004471	NO NUMBER FM ROAD	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0004476	1803 HWY 271	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0004479	1298 E. VANCE ST.	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0004497	1000 BLK. E. MLK JR. BLVD.	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0004498	1000 BLK. E. MLK JR. BLVD.	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0004504	1000 BLK. E. MLK JR. BLVD.	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0004505	1000 BLK. E. MLK JR. BLVD.	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0004506	1000 BLK. E. MLK JR. BLVD.	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0004512	1111 E. OLIVE ST.	Seal Coat Manhole	Oct 2019 - Apr 2020

Table L2: Manhole Remediation Plan, Group 1

Manhole ID	Address	Remedial Measure	Estimated Construction Timeline
SS.MH.T0004514	4992 FM 14	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0004515	2121 HWY. 271	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0004519	2121 OLD GLADEWATER HWY.	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0004665	1106 PINKERTON DR	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0004669	904 PINKERTON DR	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0004944	618 E ERWIN ST	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0004971	400 BLK DOUGLAS BLVD	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0005016	520 E DOUGLAS BLVD	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0005041	601 VICTORY DR	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0005090	737 CRESTWAY DR	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0005628	2121 OLD GLADEWATER HWY.	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0005631	425 McMURREY DR	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0005632	425 McMURREY DR	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0005635	425 MCMURREY DR	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0005638	425 MC MURREY DR	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0005645	408 McMURREY DR	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0005661	2229 E COMMERCE ST	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0005664	2124 JOE ST.	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0005667	3600 BLK. WALTON RD.	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0005686	303 N LYNDON AVE	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0005720	1211 LOOP 323	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0005723	2517 PINKERTON DR	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0005736	1918 E EARLE ST	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0005741	NO NUMBER OLD HENDERSON HWY	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0005745	1800 BLK OLD HENDERSON HWY	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0005779	929 S PORTE AVE	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0005804	1011 S BLACKWELL AVE	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0005806	1124 S BLACKWELL AVE	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0005808	1201 LOOP323	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0005863	601 GOLDEN RD	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0005869	800 BLK S PORTER AVE	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0005883	1922 E FRONT ST	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0006438	3400 E 5TH ST	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0006507	NO NUMBER PINECREST DR	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0006510	NO NUMBER PINECREST DR	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0006668	1801 SSE LOOP 323	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0006669	1801 SSE LOOP 323	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0006677	1700 BLK SAMPSON DR	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0006680	NO NUMBER MARILYN DR	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0006717	2348 SUANNE DR	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0006738	2500 BLK. MCDONALD RD.	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0006740	2200 BLK. S. SE LOOP 323	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0006753	2614 S. BOLDT AVE.	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0006755	2614 S. BOLDT AVE.	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0006756	2717 S. BOLDT AVE.	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0006758	2717 S. BOLDT AVE.	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0006759	2717 S. BOLDT AVE.	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0006808	2517 PINKERTON DR	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0006822	214 JOSEPH DR	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0007253	4550 BELLWOOD RD	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0007279	10150 FM 14	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0007280	10150 FM 14	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0007307	2025 S. SW LOOP 323	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0007492	14191 HWY 69 W.	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0007502	2310 CECIL AVE.	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0007503	2310 CECIL AVE.	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0007506	NO NUMBER CR 46	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0007507	NO NUMBER CR 46	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0007508	NO NUMBER CR 46	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0007516	13743 COUNTY RD. 46	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0007520	13743 COUNTY RD. 46	Seal Coat Manhole	Aug 2019 - Jan 2020

Table L2: Manhole Remediation Plan, Group 1

Manhole ID	Address	Remedial Measure	Estimated Construction Timeline
SS.MH.T0007521	13743 COUNTY RD. 46	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0007522	13743 COUNTY RD. 46	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0007523	13743 COUNTY RD. 46	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0007525	13743 COUNTY RD. 46	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0007526	13743 COUNTY RD. 46	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0007529	13743 COUNTY RD. 46	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0007530	6712 HWY 110	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0007531	6712 HWY 110	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0007532	6712 HWY 110	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0007533	6712 HWY. 110	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0007534	6712 HWY 110	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0007535	6712 HWY 110	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0007536	6712 HWY 110	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0007540	NO NUMBER CR 46	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0007542	NO NUMBER CR 46	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0007545	13743 COUNTY RD. 46	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0007546	13743 COUNTY RD. 46	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0007547	13743 COUNTY RD. 46	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0007548	6712 HWY 110	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0007550	6712 HWY 110	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0007551	6712 HWY 110	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0007552	6712 HWY 110	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0007553	6712 HWY 110	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0007556	13743 COUNTY RD. 46	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0007557	2811 PUBLIC RD	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0007558	NONE N LUBERTA ST	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0007618	100 BLK. COUNTY RD. 328 E.	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0007619	10150 FM 14	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0007757	4461 CR 427	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0007758	NO NUMBER WELLINGTON TRACE	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0007759	NO NUMBER WELLINGTON TRCE	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0007761	NO NUMBER WELLINGTON TRCE	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0008261	NONE WELLINGTON PL BLVD	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0008267	NONE COUNTY ROAD 4134	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0008273	NO NUMBER CR 1148	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0008275	NO NUMBER CR 1148	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0008281	NO NUMBER CR 1148	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0008282	NO NUMBER CR 1148	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0008290	NO NUMBER CR 47	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0008328	400 BLK. E. NE LOOP 323	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0008329	427 E. NE LOOP 323	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0008330	427 E. NE LOOP 323	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0008333	400 BLK. E. NE LOOP 323	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0008336	817 E. NE LOOP 323	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0008337	817 E. NE LOOP 323	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0008394	1300 BLK. COUNTY RD. 326 W.	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0008409	14114 HWY 64	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0008411	14024 HWY 64	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0008417	791 SPENCER LN.	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0008421	NONE WELLINGTON PL BLVD	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0008490	NO NUMBER HWY 64	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0008491	NO NUMBER HWY 64	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0008493	NO NUMBER WELLINGTON PL BLVD	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0008534	12342 HWY. 64	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0008536	NO NUMBER CR 47	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0008537	NO NUMBER CR 47	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0008540	NO NUMBER CR 47	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0008545	NO NUMBER CR 47	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0008547	NO NUMBER CR 47	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0008558	NO NUMBER CR 47	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0008559	NO NUMBER CR 47	Seal Coat Manhole	Aug 2019 - Jan 2020

Table L2: Manhole Remediation Plan, Group 1

Manhole ID	Address	Remedial Measure	Estimated Construction Timeline
SS.MH.T0008564	NO NUMBER CR 47	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0008566	NO NUMBER CR 47	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0008569	NO NUMBER CR 1148	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0008570	NO NUMBER CR 47	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0008572	NO NUMBER CR 47	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0008578	6220 COUNTY RD. 35	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0008581	6220 COUNTY RD. 35	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0008591	4084 CR 427	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0008592	4084 CR 427	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0008593	4084 CR 427	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0008996	3708 HWY	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0009041	NO NUMBER FM 206	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0009043	10800 BLK SRUR 164	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0009044	10800 BLK SRUR 164	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0009046	NO NUMBER FM 206	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0009048	10800 BLK SRUR 164	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0009071	3369 CASCADES BLVD.	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0009072	3369 CASCADES BLVD.	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0009074	3369 CASCADES BLVD.	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0009077	3369 CASCADES BLVD.	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0009080	4312 CASCADES BLVD.	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0009266	NO NUMBER CR 46	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0009279	2811 PUBLIC RD	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0009283	NONE W NW LOOP 323	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0009284	NONE W NW LOOP 323	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0012978	2121 OLD GLADEWATER HWY.	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0012979	2121 OLD GLADEWATER HWY.	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0012980	2121 OLD GLADEWATER HWY.	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0012984	2121 HWY. 271	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0012987	4992 FM 14	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0013047	2926 GARDEN VALLEY RD	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0013048	2926 GARDEN VALLEY RD	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0013079	435 McMURREY DR	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0013513	NO NUMBER CR 1148	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0013516	2926 GARDEN VALLEY RD	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0013524	2025 S. SW LOOP 323	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0013526	210 S. BROADWAY AVE.	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0013577	2341 COTTEN RD.	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0013578	1924 COTTEN RD.	Seal Coat Manhole	Aug 2019 - Jan 2020
SS.MH.T0013587	2121 OLD GLADEWATER HWY.	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0013590	1608 S FLEISHEL AVE	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0013615	1011 S BLACKWELL AVE	Seal Coat Manhole	Oct 2019 - Apr 2020
SS.MH.T0013621	1011 S BLACKWELL AVE	Seal Coat Manhole	Oct 2019 - Apr 2020

Table L-3: Gravity Mainline Remediation Plan, Group 1

Gravity Mainline	Rehabilitation Recommendation	Remediation Plan	Estimated Construction Timeline
	Burst to 8" - 4 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0004887	Point Repair at 87 ft from 00379	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0005188	Point Repair at 21 ft from 00382	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0006894	Pipe Burst to 8" - 1 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0000398	Access; Clean and CCTV	Access; Clean and Inspection	
SS.GM.T0000397	Access; Clean and CCTV	Access; Clean and Inspection	
SS.GM.T0005446	Burst to 8" - 4 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0005445	Point Repair at 205 ft from 00765	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0008439	Access; Clean and CCTV	Access; Clean and Inspection	
SS.GM.T0009817	Point Repair at 105,122 and 220 ft from 04554	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0007379	Burst to 8" - 0 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0006733	Access; Clean and CCTV	Access; Clean and Inspection	
SS.GM.T0007481	Point Repair at 5 ft from 01021	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0007630	Access; Clean and CCTV	Access; Clean and Inspection	
SS.GM.T0006645	Access; Clean and CCTV	Access; Clean and Inspection	
SS.GM.T0006644	Access; Clean and CCTV	Access; Clean and Inspection	
SS.GM.T0006643	Access; Clean and CCTV	Access; Clean and Inspection	
SS.GM.T0007575	Access; Clean and CCTV	Access; Clean and Inspection	
SS.GM.T0007628	Root Removal;CIPP - 0 svc	Cured In Place Pipe Liner	Aug 2019 - Oct 2019
SS.GM.T0013185	Point Repair 5 ft from SSMHT0001042	Point Repair	Oct 2019 - Aug 2020
	Access; Clean and CCTV	Access; Clean and Inspection	
SS.GM.T0006665	Access; Clean and CCTV	Access; Clean and Inspection	
SS.GM.T0007615	Access; Clean and CCTV	Access; Clean and Inspection	
SS.GM.T0007616	Access; Clean and CCTV	Access; Clean and Inspection	
SS.GM.T0006564	Access; Clean and CCTV	Access; Clean and Inspection	
SS.GM.T0007617	Access; Clean and CCTV	Access; Clean and Inspection	
SS.GM.T0006662	Access; Clean and CCTV	Access; Clean and Inspection	
SS.GM.T0006661	Access; Clean and CCTV	Access; Clean and Inspection	
SS.GM.T0006660	Access; Clean and CCTV	Access; Clean and Inspection	
SS.GM.T0007005	Clean and CCTV from 01134	Access; Clean and Inspection	
SS.GM.T0003939	Point Repair at 18 and 123 ft from 01249; Point Repair at 17 and 110 from 04523	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0013315	Expose 01251; Clean and CCTV	Access; Clean and Inspection	
SS.GM.T0008438	Point Repair at 181 ft from 01253	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0006422	Point Repair at 41,164, and 240 ft from 01715	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0007389	Access; Clean and CCTV	Access; Clean and Inspection	
SS.GM.T0001157	Access; Clean and CCTV	Access; Clean and Inspection	
SS.GM.T0007380	Burst to 8" - 0 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0007378	Burst to 8" - 0 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0003931	CIPP - 0 svc	Cured In Place Pipe Liner	Aug 2019 - Oct 2019
SS.GM.T0007377	Burst to 8" - 1 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0007369	Point Repair 102,231,371 and 542 ft from 01736	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0007677	Burst to 8" - 6 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0007382	Replace Entire Line	Replace Mainline	Oct 2019 - May 2020
SS.GM.T0006389	Replace Entire Line	Replace Mainline	Oct 2019 - May 2020
SS.GM.T0008002	Replace pipe Priority 1	Replace Mainline	Oct 2019 - May 2020
SS.GM.T0007017	Burst to 8 - 0 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0006404	Point Repair at 194 ft from 01756	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0006415	Point Repair 21 ft from 01759	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0007387	Point Repair 199 to 217 ft from 01761	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0007385	Access; Clean and CCTV	Access; Clean and Inspection	
SS.GM.T0007384	Access; Clean and CCTV	Access; Clean and Inspection	
SS.GM.T0006539	Access; Clean and CCTV	Access; Clean and Inspection	
SS.GM.T0006542	Access; Clean and CCTV	Access; Clean and Inspection	

Table L-3: Gravity Mainline Remediation Plan, Group 1

Gravity Mainline	Rehabilitation Recommendation	Remediation Plan	Estimated Construction Timeline
SS.GM.T0006541	Access; Clean and CCTV	Access; Clean and Inspection	
SS.GM.T0006546	Access; Clean and CCTV	Access; Clean and Inspection	
SS.GM.T0003869	Locate and Expose SSMHT0012930; Clean and CCTV	Access; Clean and Inspection	
SS.GM.T0005583	Point Repair 261 and 288 ft from 02541; Add to Scheduled Root removal	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0005596	Pipe Burst to 8" - 1 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0005597	Point Repair at 62 and 158 ft from 01782	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0006618	Point Repair 25 ft from 01799; Place on Cleaning Schedule	Point Repair	Oct 2019 - Aug 2020
	Point Repair 261 ft from 01802	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0006729	Point Repairs 102 and 122 ft from 01803	Point Repair	Oct 2019 - Aug 2020
	Install Manhole at 12927 (Tee); Pipe Burst to 8" - 1	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0006441	Point Repair at 27 and 266 ft from 01807	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0007532	Point Repair 152 ft from 01808	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0006616	Point Repair at 35 ft and 78 ft from 01802; Place on Root Schedule	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0006732	Access; Clean and CCTV	Access; Clean and Inspection	
SS.GM.T0006731	Access; Clean and CCTV	Access; Clean and Inspection	
SS.GM.T0006730	Access; Clean and CCTV	Access; Clean and Inspection	
SS.GM.T0006623	Access; Clean and CCTV	Access; Clean and Inspection	
SS.GM.T0006619	Access; Clean and CCTV	Access; Clean and Inspection	
SS.GM.T0006742	Point Repair at 207 ft from 01804	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0006761	Burst to 8" - 1 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0007535	Pipe Burst to 8" - 2 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0006753	Point Repair 6 and 65 to 75 ft from 01821	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0006755	Point Repair at 13 ft from 01826	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0006721	Point Repair 176 ft from 01830;CIPP - 4 svc	Cured In Place Pipe Liner	Aug 2019 - Oct 2019
SS.GM.T0007137	Clean and CCTV	Access; Clean and Inspection	
SS.GM.T0007139	Clean and CCTV	Access; Clean and Inspection	
SS.GM.T0007550	Point Repair 132 and 258 ft from 01841	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0007196	Access; Clean and CCTV	Access; Clean and Inspection	
SS.GM.T0007194	Burst to 8" - 0 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0007219	Burst to 8" - 3 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0007221	Point Repair at 122 ft from 01855	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0007556	Burst to 8" - 1 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0007062	Point Repair at 7 ft from 01861	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0007193	Point Repair at 122 ft from 01862	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0006862	Point Repair at 94 ft from 01863	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0007557	Burst to 8" - 0 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0007558	Burst to 8" - 1 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0006861	Point Repair at 175 ft from 02617	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0007161	Burst to 8" - 0 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0006925	Point Repair at 2 ft from 01872	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0007971	Burst to 8" - 11 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
	Burst to 8" - 2 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0006550	Access; Clean and CCTV	Access; Clean and Inspection	
SS.GM.T0006549	Access; Clean and CCTV	Access; Clean and Inspection	
SS.GM.T0007686	Access; Clean and CCTV	Access; Clean and Inspection	
SS.GM.T0006548	Access; Clean and CCTV	Access; Clean and Inspection	
SS.GM.T0006627	Access; Clean and CCTV	Access; Clean and Inspection	
SS.GM.T0006628	Access; Clean and CCTV	Access; Clean and Inspection	
SS.GM.T0006629	Access; Clean and CCTV	Access; Clean and Inspection	
SS.GM.T0007576	Access; Clean and CCTV	Access; Clean and Inspection	
SS.GM.T0007990	Point Repair from 15 to 35 feet from 01907	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0006625	Access; Clean and CCTV	Access; Clean and Inspection	
SS.GM.T0007577	Replace/Burst - 1 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020

Table L-3: Gravity Mainline Remediation Plan, Group 1

Gravity Mainline	Rehabilitation Recommendation	Remediation Plan	Estimated Construction Timeline
	Replace/Burst - 2 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0007578	Replace/Burst - 1 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0007684	Replace/Burst - 0 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0006760	Point Repair 5 ft from 01907	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0006633	Burst to 8" - 1 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
	Remove Roots; CIPP - 0 svc	Cured In Place Pipe Liner	Aug 2019 - Oct 2019
	Burst to 8" - 0 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
	Access; Clean and CCTV	Access; Clean and Inspection	
	Point Repair at 155 to 170 ft FROM 01923	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0006767	Point Repair at 200 ft FROM 01924	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0007213	Pipe Burst to 8" - 1 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0007201	Burst to 8"	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0007987	CIPP - 12 SVC	Cured In Place Pipe Liner	Aug 2019 - Oct 2019
SS.GM.T0007988	Access; Clean and CCTV	Access; Clean and Inspection	
SS.GM.T0006557	Point Repair 24 ft	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0006551	Construct Manhole at 297 ft and Pipe Burst to 8" - 1 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0006565	Remove Roots; CIPP	Cured In Place Pipe Liner	Aug 2019 - Oct 2019
SS.GM.T0006651	Replace Entire Line	Replace Mainline	Oct 2019 - May 2020
SS.GM.T0006659	Access; Clean and CCTV	Access; Clean and Inspection	
SS.GM.T0006657	Access; Clean and CCTV	Access; Clean and Inspection	
	Access; Clean and CCTV	Access; Clean and Inspection	
SS.GM.T0007625	Access; Clean and CCTV	Access; Clean and Inspection	
	Access; Clean and CCTV	Access; Clean and Inspection	
SS.GM.T0013189	Access; Clean and CCTV	Access; Clean and Inspection	
SS.GM.T0007664	Point Repair at 94 ft from 02009	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0007972	Burst to 8" - 10 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0007969	Burst to 8" - 0 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0005614	Pipe Burst to 8" - 4 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0006656	Access; Clean and CCTV	Access; Clean and Inspection	
SS.GM.T0006655	Access; Clean and CCTV	Access; Clean and Inspection	
SS.GM.T0007663	Point Repair at 25 ft from 02004	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0005612	Burst to 8" - 2 svc (Note section of Iron Pipe)	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0006658	Access; Clean and CCTV	Access; Clean and Inspection	
SS.GM.T0006901	Access; Clean and CCTV	Access; Clean and Inspection	
SS.GM.T0007687	Access; Clean and CCTV	Access; Clean and Inspection	
SS.GM.T0006748	Point Repair at 262 ft from 02026	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0006728	Point Repair at 322 and 360 ft (Line thru pipe) from 02027;	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0006727	Point Repair at 110 ft from 02028	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0006751	Point Repair at 286 ft from 02029	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0006776	CIPP - 21 svc	Cured In Place Pipe Liner	Aug 2019 - Oct 2019
SS.GM.T0006910	Burst to 8" - 1 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0007372	Point Repair 160 to 180 ft from 02535	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0005591	Burst to 8" - 4 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0007374	Point Repair at 38,97,194 and 269 ft from 02537	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0007373	Point Repair at 358 ft from 02537	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0007381	Replace Line	Replace Mainline	Oct 2019 - May 2020
SS.GM.T0007015	CIPP - 5 svc	Cured In Place Pipe Liner	Aug 2019 - Oct 2019
SS.GM.T0007016	Burst to 8"	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0007368	Point Repair at 115 ft from 02545	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0006612	Burst to 8" - 0 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0007530	Point Repair 5 ft from 02547	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0006443	Burst to 8" - 3 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0006427	Burst - 0 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020

Table L-3: Gravity Mainline Remediation Plan, Group 1

Gravity Mainline	Rehabilitation Recommendation	Remediation Plan	Estimated Construction Timeline
SS.GM.T0006426	Burst - 0 svc (Note section of iron pipe)	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0006425	Replace 0 to 70 ft from 02553 (Note Iron Pipe)	Replace Mainline	Oct 2019 - May 2020
SS.GM.T0006948	Clean and CCTV	Access; Clean and Inspection	
SS.GM.T0006602	Burst to 8" - 1 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0006734	Access; Clean and CCTV	Access; Clean and Inspection	
SS.GM.T0005227	Burst to 8" - 17 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0007998	Point Repair 215 ft from 02563	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0005217	Point Repair at 110 and 165 ft from 02564	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0007502	Point Repair at 65 ft from 02566; Add to Root Schedule	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0005219	Point Repair at 2 and 112 ft from 02567	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0005221	Burst to 8" - 8 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0007506	Point Repair at 16 ft from 02575	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0007505	Burst to 8" - 10 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0006608	Point Repair at 244 ft from 02584; Add to Root Schedule	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0005245	Point Repair at 60 to 115 ft from 02587	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0006679	Point Repair at 44, 55, and 65 ft from 02599	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0005211	Point Repair at 62 ft from 02601	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0005210	Point Repair at 10 and 102 ft from 02602	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0007522	Point Repair at 342 ft from 02609	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0007521	Pont Repair at 4 ft from 02609; Heavy Cleaning	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0007150	Point Repair at 39 ft from 02617	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0007212	Sectional Liner from 230 to 255 ft from 02619	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0006713	Point Repair at 207 ft from 02626	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0006699	CIPP - 2 svc	Cured In Place Pipe Liner	Aug 2019 - Oct 2019
SS.GM.T0006716	CIPP - 0 svc	Cured In Place Pipe Liner	Aug 2019 - Oct 2019
	Install Manhole at Tee (2631); Burst to 8" - 3 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0003683	Point Repair at 149 ft from 02635	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0005197	Burst to 8" -3 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0005191	Point Repair 150, 164 and 234 from 02628	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0005192	Burst to 8" - 4 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0007993	Point Repair 242 to 252 ft from 02640	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0006845	Burst to 8" - 0 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0006704	Replace Line	Replace Mainline	Oct 2019 - May 2020
SS.GM.T0006705	Burst to 8" - 0 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0007149	CIPP structural - 21 svc	Cured In Place Pipe Liner	Aug 2019 - Oct 2019
SS.GM.T0007155	Replace Line	Replace Mainline	Oct 2019 - May 2020
SS.GM.T0009743	Point Repair at 23 and 160 ft from 02658	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0007174	Point Repair 39 ft from 02659	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0007188	Burst to 8" - 34 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0007176	Point Repair 118 and 137 ft form 02663	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0007343	Point Repair at 16 ft from 02666; Pipe Burst to 8" - 9 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0005606	Burst to 8" -3 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0007573	Point Repair at 25,114, and 256 ft from 02668	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0007572	Point Repair at 202,239,247, and 351 ft from 02669	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0005323	Point Repair at 66,115,163 and 190 ft from 02672	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0005629	Point Repair at 359 ft from 01888	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0007676	Burst to 8" - 10 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0005643	CIPP - 0 svc	Cured In Place Pipe Liner	Aug 2019 - Oct 2019

Table L-3: Gravity Mainline Remediation Plan, Group 1

Gravity Mainline	Rehabilitation Recommendation	Remediation Plan	Estimated Construction Timeline
SS.GM.T0006700	Burst to 8" - 4 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0006410	Replace Line	Replace Mainline	Oct 2019 - May 2020
SS.GM.T0007679	CIPP - 3 SVC	Cured In Place Pipe Liner	Aug 2019 - Oct 2019
SS.GM.T0005590	Point Repair 15 ft from 02685	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0006540	Access; Clean and CCTV	Access; Clean and Inspection	
SS.GM.T0007874	Point Repair at 84 ft from 02728 then Burst to 8" - 13 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0008494	Replace Line	Replace Mainline	Oct 2019 - May 2020
	Point Repair at 85 and 101 ft from 02942	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0004886	Point Repair at 112 ft from 02944	Point Repair	Oct 2019 - Aug 2020
	Point Repair 0 to 10 ft from 02959	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0008247	Burst to 8" - 3 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0006891	Replace Line	Replace Mainline	Oct 2019 - May 2020
SS.GM.T0005249	Point Repair at 149 ft from 02992	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0008435	Burst to 8" - 7 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0013907	Clean and CCTV	Access; Clean and Inspection	
SS.GM.T0005190	Burst to 8" - 13 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0006358	Point Repair at 518 ft from 03068	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0008767	Point Repair at 115 ft from 03147	Point Repair	Oct 2019 - Aug 2020
	Point Repair at 81 and 111 from 03148	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0008770	Burst to 8" - 7 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0008771	Burst to 8" - 3 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0008772	Burst to 8" - 4 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0006854	Burst to 8" - 3 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0007094	Point Repair at 82 ft from 03155; Burst to 8" - 5 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0007162	Burst to 8" - 0 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0007164	Burst to 8" - 0 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0006847	Point Repair at 290 ft FROM 05675	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0006360	Replace Line	Replace Mainline	Oct 2019 - May 2020
	Burst to 8" - 6 svc; from 04522 to 20011 (184 ft)	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0008500	Clean and CCTV	Access; Clean and Inspection	
SS.GM.T0007695	Burst to 8" - 2 svc (Note section of Iron pipe)	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0008243	Point Repair at 53 ft from 04551	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0008242	Point Repair at 272 ft (obstacle)from 04552; Point Repair at 6 ,32, and 186 ft from 04551	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0006896	Point Repair at 102 ft from 04553	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0006895	Point Repair at 40 ft from 04554	Point Repair	Oct 2019 - Aug 2020
	Point Repair at 237 ft from 04556	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0006889	Point Repair at 9 ft from 04557 (Obstacle thru wall)	Point Repair	Oct 2019 - Aug 2020
	Point Repair at 106,155 and 365 ft from 04558	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0006842	Burst to 8" - 9 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0006857	Burst to 8" - 5 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0007060	Point Repair 28,184,388,451,520 and 706 from 02100	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0006911	Point Repair 275 to 285, 293, 348, and 425 ft from 12884	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0007666	Burst to 8" - 12 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0006904	Access; Clean and CCTV	Access; Clean and Inspection	
SS.GM.T0008773	Burst to 8" - 15 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0007086	Burst to 8" - 12 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0007513	Point Repairs at 8,13,55 and 246 from 02572	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0006684	Locate and Expose 12920; Clean and CCTV	Access; Clean and Inspection	
SS.GM.T0006683	Locate and Expose 12920; Clean and CCTV	Access; Clean and Inspection	
SS.GM.T0007531	Point Repair at 344 ft from 02548	Point Repair	Oct 2019 - Aug 2020

Table L-3: Gravity Mainline Remediation Plan, Group 1

Gravity Mainline	Rehabilitation Recommendation	Remediation Plan	Estimated Construction Timeline
SS.GM.T0007582	Point Repair at 464 ft from 01938	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0008776	Burst to 8" - 6 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0008903	Burst to 8" - 3 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0007569	Point Repair at 18 and 183 ft from 02670	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0007567	Point Repair at 199 ft	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0007574	Point Repair at 145 ft from 01029	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0007606	Construct Cleanout at End Of Line 251 FT from 01968	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0005316	Point Repair at 251 ft from 01883	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0006384	Point Repair at 29 ft from 02545	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0005247	Point Repair 33 ft from 02575	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0006744	Point Repair at 66 ft from 01809	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0007544	Access; Clean and CCTV	Access; Clean and Inspection	
SS.GM.T0006756	Burst to 8" - 1 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0006846	Point Repair at 269 ft from 02646	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0005593	Point Repair at 118 ft from 12924	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0005620	Point Repair 472 ft from 01043	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0005616	Burst to 8" - 11 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0005452	Burst to 8" - 13 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0005453	Point Repair at 290 ft from 04556	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0006497	Point Repair 3,98 and 156 ft from 03036	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0005455	Point Repair at 1 and 51 ft from 04552	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0006501	Burst to 8" - 4 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0009818	Point Repair at 5 and 248 ft from 00895	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0006454	Point Repair at 335 ft from 01778	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0013254	Point Repair 5 ft from 13007	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0006622	Pipe Burst to 8" - 11 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0006442	Point Repair at 61,215 ,292 and 299 from 02555	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0005436	Point Repair at 74 and 497 ft from 00768	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0005609	Point Repair at 149,397 and 424 ft from 02011	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0005254	Point Repair 10 ft from 02991	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0005228	Point Repair at 108 and 163 ft from 02561; Add to Root Schedule	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0006544	Point Repair 39 ft from 01773	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0005905	Point Repair 22 ft and 93 ft from 00898	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0006757	Burst to 8" - 4 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0006774	Burst to 8" - 8 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0005429	Replace Line	Replace Mainline	Oct 2019 - May 2020
SS.GM.T0007083	Point Repair at 45 ft (Gas Line) then CCTV	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0008841	Burst to 8" - 12 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
	Point Repair at 80 ft from 20013	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0005492	Burst to 8" - 16 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0006429	Point Repair 147 ft from 02551 and Re-CCTV	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0006433	Clean and CCTV from 01728	Access; Clean and Inspection	
SS.GM.T0006568	Point Repair at 178 ft from 02022	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0007142	Point Repair at 53 ft from 01838	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0007191	Point Repair at 28 ft from 01870	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0007178	Burst to 8" - 0 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0007187	Point Repair at 419,483, 517 and 524 ft from 02656	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0007157	Point Repair at 43, 188 and 283 to 294 ft from 02655	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0007190	Point Repair at 311 ft from 02662	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0006947	Point Repair at 268 and 330 ft from 02041	Point Repair	Oct 2019 - Aug 2020

Table L-3: Gravity Mainline Remediation Plan, Group 1

Gravity Mainline	Rehabilitation Recommendation	Remediation Plan	Estimated Construction Timeline
SS.GM.T0007169	Burst to 8" - 2 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0006613	Point Repair 285 ft from 02546	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0005487	Burst to 8" - 1 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
	Point Repair at 270 and 539 ft from 20004	Point Repair	Oct 2019 - Aug 2020
	Point Repair at 18.5 ft from 01911	Point Repair	Oct 2019 - Aug 2020
	Burst to 8" - 6 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0006725	Burst to 8" - 1 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0007396	Point Repair 28, 84 and 469 ft from 03068	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0005317	Point Repair at 299 ft from 01881; Place on Root Rem. Schedule	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0007568	Pont Repair at 20 ft from 01884	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0005607	Point Repairs at 71,220, and 284 ft from 01884	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0005327	Point Repair at 359 ft from 02672	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0005588	Point Repair at 37 ft from 02538; CLEAN AND CCTV	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0006446	Point Repair at 110 ft from 01717	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0006444	Point Repair at 68,80 to 150 ft from 02555	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0006445	Point Repair at 285 ft from 02554	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0006458	Point Repair at 109 ft from 01775	Point Repair	Oct 2019 - Aug 2020
	Clean and CCTV from 01718	Access; Clean and Inspection	
SS.GM.T0005213	Point Repair 98 ft from 02601	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0005451	Point Repair at 10 ft from 00374	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0005355	Point Repair 8 ft from 00386	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0005199	Point Repair at 40 and 271 ft from 02628	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0007538	Point Repair 0,145,and 160 ft from 02041	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0005198	Point Repair at 69,140 and 207 ft from 02639	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0005196	Burst to 8" - 18 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0005237	Point Repair at 147 ft from 02635	Point Repair	Oct 2019 - Aug 2020
	Point Repair at 64, 339 and 517 ft from 20025 (new)	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0008774	Point Repair at 427 ft from 03158	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0005441	Point Repair at 33 ft from 01020	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0005059	Point Repair at 83 ft from 12786	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0013168	Access; Clean and Inspection	Access; Clean and Inspection	
SS.GM.T0007182	Point Repair at 243 and 418 ft from 02664	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0006775	Point Repair at 106 ft from 12876; Add to Root Schedule	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0007989	Pipe Burst to 8" - 2 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0006782	Point Repair at 555 and 755 ft from 01936; Add to Root Schedule	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0007170	Point Repair at 1 ft, 35 to 76 ft from 12907; Add to Root schedule	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0008525	Burst to 8" - 0 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0006946	Replace Entire Line	Replace Mainline	Oct 2019 - May 2020
SS.GM.T0007662	Point Repair 18,32,77 and 402 ft from 02010	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0007682	Point Repair 8 ft from 01765	Point Repair	Oct 2019 - Aug 2020
	Burst to 8" - 11 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0006535	Point Repair 70 ft from 01076; Clean and CCTV	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0013165	Burst to 8" - 8 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0013166	Replace Line	Replace Mainline	Oct 2019 - May 2020
SS.GM.T0007609	Burst to 8" - 0 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0006652	Access; Clean and CCTV	Access; Clean and Inspection	
SS.GM.T0013192	Access; Clean and CCTV	Access; Clean and Inspection	
SS.GM.T0007683	Point Repair 42 ft from 01767; CIPP	Cured In Place Pipe Liner	Aug 2019 - Oct 2019
SS.GM.T0013167	Access; Clean and CCTV	Access; Clean and Inspection	

Table L-3: Gravity Mainline Remediation Plan, Group 1

Gravity Mainline	Rehabilitation Recommendation	Remediation Plan	Estimated Construction Timeline
SS.GM.T0006401	Access; Clean and CCTV	Access; Clean and Inspection	
SS.GM.T0013183	Burst 6" Iron Pipe - 5 SVC	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0007618	Access; Clean and CCTV	Access; Clean and Inspection	
SS.GM.T0013190	Access; Clean and CCTV	Access; Clean and Inspection	
SS.GM.T0006653	Access; Clean and CCTV	Access; Clean and Inspection	
SS.GM.T0013831	Access; Clean and CCTV	Access; Clean and Inspection	
SS.GM.T0013256	Burst to 8" - 1 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020
SS.GM.T0008495	Clean and CCTV	Access; Clean and Inspection	
SS.GM.T0006654	Access; Clean and CCTV	Access; Clean and Inspection	
	Replace or Burst - 6 svc (13520 to 01901)	Pipe Burst or Replace	Sep 2019 - Nov 2020
	Access; Clean and CCTV	Access; Clean and Inspection	
SS.GM.T0013764	Point Repair 5 ft from 13552; Clean and CCTV	Point Repair	Oct 2019 - Aug 2020
SS.GM.T0013909	Burst to 8" - 0 svc	Pipe Burst or Replace	Sep 2019 - Nov 2020

Section M. Completion of Lift Station Remedial Measures (Paragraph 69)

The Lift Station Condition Assessment Report and Improvement Plan was submitted to the EPA and TCEQ on 25 September 2018. Approval of the said Force Main and ARV Condition Assessment Report and Remedial Measures Plan is pending.

Table M-1 below is a summary of the total estimated costs for the recommended remedial measures. The total estimated project cost includes Engineering Services and Administrative Fees. Both **Tables M-1** and **M-2** were included in the said Lift Station Condition Assessment Report and Improvement Plan.

Table M-2 follows listing the summary of the planned remedial activities. Lift Station improvement work is ongoing, and work completed in the final three (3) months of the 1 January 2018 through 31 December 2018 reporting period are included **Table M-2**.

Figure M-1 follows **Table M-2** showing the locations of City of Tyler's lift stations. Lift stations that have had improvement work performed, either completely or partially, are indicated differently from those that either do not need remedial work, or said work has not commenced.

Table M-1: Lift Station Improvement Plan Estimated Cost

	TOTAL PRICE
<i>Total Construction Cost =</i>	<i>\$888,330</i>
<i>Engineering Services (10%) =</i>	<i>\$88,850</i>
<i>Administrative Fee (30%) =</i>	<i>\$266,500</i>
<i>TOTAL PROJECT COST =</i>	<i>\$1,243,680</i>

Table M-2: Lift Station Improvement Plan Summary

RECOMMENDED IMPROVEMENTS TO ANIMAL SHELTER LIFT STATION						
DESCRIPTION	QTY.	UNIT	UNIT PRICE	TOTAL PRICE	SCHEDULE	COMPLETE
Install Electric Breaker for Pump 1	1	LS	\$ 300.00	\$ 300.00	10-Apr-2020	
Install Cam Lock Quick Connect to Force Main for Portable Pump. (Cost includes valves, fittings, etc. required for connection)	1	LS	\$ 5,000.00	\$ 5,000.00	10-Apr-2020	
Add wet well inspection to daily inspection log. Prepare work order to clean wet well as needed.	-	-			10-Apr-2020	1-Nov-2018
Install Flood Light on Site	1	EA	\$15,000.00	\$ 15,000.00	10-Apr-2020	
Contingency (20%)				\$ 4,060.00		
Total Construction cost				\$ 24,360.00		

RECOMMENDED IMPROVEMENTS TO BELLWOOD LIFT STATION						
DESCRIPTION	QTY.	UNIT	UNIT PRICE	TOTAL PRICE	SCHEDULE	COMPLETE
Install Stainless Steel I/I Inhibitor at Wet Well Access Manhole	1	LS	\$ 250.00	\$ 250.00	10-Apr-2022	
Replace Manhole Lid on Gravity Influent	1	LS	\$ 2,500.00	\$ 2,500.00	10-Apr-2022	1-Dec-2018
Add wet well inspection to daily inspection log. Prepare work order to clean wet well as needed.	1	LS	\$ -	\$ -	10-Apr-2022	1-Nov-2018
Line wet well for corrosion protection	363	SF	\$ 75.00	\$ 28,000.00	10-Apr-2022	
Install NEMA4X Electrical Panels	1	LS	\$50,000.00	\$ 50,000.00	10-Apr-2022	
Replace on Site Lighting	1	LS	\$15,000.00	\$ 15,000.00	10-Apr-2022	
Replace Latch on Dog House Door	1	LS	\$ 100.00	\$ 100.00	10-Apr-2022	21-Jun-2018
Contingency (20%)				\$ 19,170.00		
Total Construction cost				\$ 115,020.00		

RECOMMENDED IMPROVEMENTS TO CR 46 NEW HARMONY LIFT STATION						
DESCRIPTION	QTY.	UNIT	UNIT PRICE	TOTAL PRICE	SCHEDULE	COMPLETE
Add wet well inspection to daily inspection log. Prepare work order to clean wet well as needed.	1	LS	-	-	10-Apr-2019	1-Nov-2018
Inspect For Functionality and Replace 12" DI Surge Valve.	1	EA	\$18,000.00	\$ 18,000.00	10-Apr-2019	
Repair Chain Link Fence	1	EA			10-Apr-2019	
Repair Asphalt Driveway	1	EA			10-Apr-2019	21-Jun-2018
Contingency (20%)				\$ 3,600.00		
Total Construction cost				\$ 21,600.00		

Table M-2: Lift Station Improvement Plan Summary (Continued)

RECOMMENDED IMPROVEMENTS TO DIXIE LIFT STATION						
DESCRIPTION	QTY.	UNIT	UNIT PRICE	TOTAL PRICE	SCHEDULE	COMPLETE
Add wet well inspection to daily inspection log. Prepare work order to clean wet well as needed.	1	LS	\$ -	\$ -	10-Apr-2022	1-Nov-2018
Replace Dog House Cover	1	LS	\$10,000.00	\$ 10,000.00	10-Apr-2022	
Replace Electrical Panel Enclosure	1	LS	\$15,000.00	\$ 15,000.00	10-Apr-2022	
Coat Wet Well To Avoid Further Concrete Deterioration	260	SF	\$ 45.00	\$ 12,000.00	10-Apr-2022	
Install Stainless Steel I/I Inhibitor at Wet Well	1	EA	\$ 250.00	\$ 250.00	10-Apr-2022	
Install Exterior and Interior Light	1	LS	\$10,000.00	\$ 10,000.00	10-Apr-2022	
			Contingency (20%)	\$ 9,450.00		
			Total Construction Cost	\$ 56,700.00		

RECOMMENDED IMPROVEMENTS TO GREENBRIAR LIFT STATION						
DESCRIPTION	QTY.	UNIT	UNIT PRICE	TOTAL PRICE	SCHEDULE	COMPLETE
Add wet well inspection to daily inspection log. Prepare work order to clean wet well as needed.	1	LS	\$ -	\$ -	10-Apr-2019	1-Nov-2018
Repair 2" PVC Water Line Inside Building	1	LS	\$ 500.00	\$ 500.00	10-Apr-2019	
Remove and Replace Damaged 2 ft by 2 ft DI Slab Cover for Future Pump With FRP Cover	1	LS	\$ 1,000.00	\$ 1,000.00	10-Apr-2019	
Repair Asphalt Driveway	1	EA			10-Apr-2019	
			Contingency (20%)	\$ 300.00		
			Total Construction Cost	\$ 1,800.00		

RECOMMENDED IMPROVEMENTS TO HAVERHILL LIFT STATION						
DESCRIPTION	QTY.	UNIT	UNIT	TOTAL PRICE	SCHEDULE	COMPLETE
Add wet well inspection to daily inspection log. Prepare work order to clean wet well as needed.	1	LS	\$ -	\$ -	10-Apr-2020	1-Nov-2018
Replace 6-inch D.I. Check Valve	1	LS	\$ 5,000.00	\$ 5,000.00	10-Apr-2020	
Install Force Main Cam Lock for use with backup pumps	1	LS	\$ 5,000.00	\$ 5,000.00	10-Apr-2020	
Replace Wet Well Access Manhole Lid	1	LS	\$ 1,000.00	\$ 1,000.00	10-Apr-2020	
Site Grading Around Dog House To Ensure Positive Drainage	1	LS	\$ 5,000.00	\$ 5,000.00	10-Apr-2020	
Replace Riser Piping and Fittings in Wet Well	1	LS	\$ 5,000.00	\$ 5,000.00	10-Apr-2020	
Install Stainless Steel Inflow Inhibitor at Wet Well Access Manhole	1	LS	\$ 250.00	\$ 250.00	10-Apr-2020	
Install Strobe and Horn Alarm System	1	LS	\$ 5,000.00	\$ 5,000.00	10-Apr-2020	
Coat/Seal Wet Well Rim	1	LS			10-Apr-2019	
			Contingency (20%)	\$ 5,250.00		
			Total Construction cost	\$ 31,500.00		

Table M-2: Lift Station Improvement Plan Summary (Continued)

RECOMMENDED IMPROVEMENTS TO HIGHWAY 31 LIFT STATION						
DESCRIPTION	QTY.	UNIT	UNIT PRICE	TOTAL PRICE	SCHEDULE	COMPLETE
Add wet well inspection to daily inspection log. Prepare work order to clean wet well as needed.	1	LS	\$ -	\$ -	10-Apr-2019	1-Nov-2018
Install Sump Pump/ Drain for Valve Vault	1	LS	\$ 3,500.00	\$ 3,500.00	10-Apr-2019	
Contingency (20%)				\$ 700.00		
Total Construction cost				\$ 4,200.00		

RECOMMENDED IMPROVEMENTS TO HWY 69 LIFT STATION						
DESCRIPTION	QTY.	UNIT	UNIT PRICE	TOTAL PRICE	SCHEDULE	COMPLETE
Add wet well inspection to daily inspection log. Prepare work order to clean wet well as needed.	1	LS	\$ -	\$ -	N/A	1-Nov-2018
Troubleshoot low pumping rate of Pump No.1 during next scheduled pump inspection	1	LS	\$ -	\$ -	N/A	25-Apr-2018
Contingency (20%)				\$ -		
Total Construction Cost				\$ -		

RECOMMENDED IMPROVEMENTS TO HOGAN LIFT STATION						
DESCRIPTION	QTY.	UNIT	UNIT PRICE	TOTAL PRICE	SCHEDULE	COMPLETE
Add wet well inspection to daily inspection log. Prepare work order to clean wet well as needed.	1	LS	\$ -	\$ -	10-Apr-2019	1-Nov-2018
Troubleshoot Pump No. 2 discharge.	1	LS	\$ -	\$ -	10-Apr-2019	20-Mar-2018
Address check valve, riser pipe and fittings, repair, clean and seal/paint	1	LS	\$ 2,500.00	\$ 2,500.00	10-Apr-2019	
Contingency (20%)				\$ 500.00		
Total Construction Cost				\$ 3,000.00		

RECOMMENDED IMPROVEMENTS TO NOTTINGHAM LANE LIFT STATION						
DESCRIPTION	QTY.	UNIT	UNIT PRICE	TOTAL PRICE	SCHEDULE	COMPLETE
Add wet well inspection to daily inspection log. Prepare work order to clean wet well as needed.	1	LS	\$ -	\$ -	10-Apr-2021	1-Nov-2018
Address check valve, riser pipe and fittings, repair, clean and seal/paint/coat	1	LS	\$ 2,500.00	\$ 2,500.00	10-Apr-2021	
Site Grading Around Generator Base Slab To Ensure Positive Drainage	1	LS	\$ 5,000.00	\$ 5,000.00	10-Apr-2021	
Repair Valve Vault Drain	1	LS	\$ 2,000.00	\$ 2,000.00	10-Apr-2021	
Install on Site Lighting	1	LS	\$ 15,000.00	\$ 15,000.00	10-Apr-2021	
Contingency (20%)				\$ 4,900.00		
Total Construction Cost				\$ 29,400.00		

Table M-2: Lift Station Improvement Plan Summary (Continued)

RECOMMENDED IMPROVEMENTS TO PILOT TRUCK LIFT STATION						
DESCRIPTION	QTY.	UNIT	UNIT PRICE	TOTAL PRICE	SCHEDULE	COMPLETE
Add wet well inspection to daily inspection log. Prepare work order to clean wet well as needed.	1	LS	\$ -	\$ -	10-Apr-2021	1-Nov-2018
Relocate Electric Junction Box (near Wet Well) and Air Compressor Off Ground to Vertical Frame with Electrical and Instrumentation Panels	1	LS	\$ 15,000.00	\$ 15,000.00	10-Apr-2021	2-Nov-2018
Check Functioning and Replace 6" DI check Valves	2	EA	\$ 5,000.00	\$ 10,000.00	10-Apr-2021	
Check Valves, riser and fittings, repair, clean and seal	1	LS			10-Apr-2019	
			Contingency (20%)	\$ 5,000.00		
			Total Construction Cost	\$ 30,000.00		

RECOMMENDED IMPROVEMENTS TO RUSTIC PARK LIFT STATION						
DESCRIPTION	QTY.	UNIT	UNIT PRICE	TOTAL PRICE	SCHEDULE	COMPLETE
Replace 6" D.I. Check Valve	1	EA	\$ 5,000.00	\$ 5,000.00	10-Apr-2022	
Install Force Main Cam Lock for use with backup pumps	1	LS	\$ 5,000.00	\$ 5,000.00	10-Apr-2022	
Add wet well inspection to daily inspection log. Prepare work order to clean wet well as needed.	1	LS	\$ -	\$ -	10-Apr-2022	1-Nov-2018
Seal Holes Using Link Seal at Points Where Suction Pipes Enter Wet Well	1	LS	\$ 1,500.00	\$ 1,500.00	10-Apr-2022	
Line wet well for corrosion protection	175	SF	\$ 75.00	\$ 13,125.00	10-Apr-2022	
Install Lighting on Site	1	LS	\$ 15,000.00	\$ 15,000.00	10-Apr-2022	
Check Valves, riser and fittings, repair, clean and seal	1	LS			10-Apr-2019	
			Contingency (20%)	\$ 7,925.00		
			Total Construction Cost	\$ 47,550.00		

RECOMMENDED IMPROVEMENTS TO SHORELINE LIFT STATION						
DESCRIPTION	QTY.	UNIT	UNIT PRICE	TOTAL PRICE	SCHEDULE	COMPLETE
Install Force Main Cam Lock for use with backup pumps	1	LS	\$ 5,000.00	\$ 5,000.00	10-Apr-2019	
Add wet well inspection to daily inspection log. Prepare work order to clean wet well as needed.	1	LS	\$ -	\$ -	10-Apr-2019	1-Nov-2018
Check Valves, riser and fittings, repair, clean and seal	1	LS			10-Apr-2019	
Replace 4" Check Valve	1	EA			10-Apr-2019	
			Contingency (20%)	\$ 1,000.00		
			Total Construction Cost	\$ 6,000.00		

Table M-2: Lift Station Improvement Plan Summary (Continued)

RECOMMENDED IMPROVEMENTS TO STEWART LIFT STATION						
DESCRIPTION	QTY.	UNIT	UNIT PRICE	TOTAL PRICE	SCHEDULE	COMPLETE
Install Force Main Cam Lock for use with backup pumps	1	LS	\$ 5,000.00	\$ 5,000.00	10-Apr-2021	
Add wet well inspection to daily inspection log. Prepare work order to clean wet well as needed.	1	LS	\$ -	\$ -	10-Apr-2021	1-Nov-2018
Address check valve, riser pipe and fittings clean and seal/paint	1	LS	\$ 2,500.00	\$ 2,500.00	10-Apr-2021	
Line wet well for corrosion protection	377	SF	\$ 75.00	\$ 29,000.00	10-Apr-2021	
	Contingency (20%)			\$ 7,300.00		
	Total Construction Cost			\$ 43,800.00		

RECOMMENDED IMPROVEMENTS TO UNIVERSITY PARK LIFT STATION						
DESCRIPTION	QTY.	UNIT	UNIT PRICE	TOTAL PRICE	SCHEDULE	COMPLETE
Install Force Main Cam Lock for use with backup pumps	1	LS	\$ 5,000.00	\$ 5,000.00	10-Apr-2022	
Add wet well inspection to daily inspection log. Prepare work order to clean wet well as needed.	1	LS	\$ -	\$ -	10-Apr-2022	1-Nov-2018
Install Package Lift Station with 6 ft Diameter by 10 ft Depth Fiberglass Wet Well	1	LS	\$100,000.00	\$ 100,000.00	10-Apr-2022	
Install Strobe and Horn Alarm System	1	LS	\$ 1,000.00	\$ 1,000.00	10-Apr-2022	
Install NEMA4X Electrical and Instrumentation Panels	1	LS	\$ 50,000.00	\$ 50,000.00	10-Apr-2022	
	Contingency (20%)			\$ 31,200.00		
	Total Construction Cost			\$ 187,200.00		

RECOMMENDED IMPROVEMENTS TO BROOKS LIFT STATION						
DESCRIPTION	QTY.	UNIT	UNIT PRICE	TOTAL PRICE	SCHEDULE	COMPLETE
Add wet well inspection to daily inspection log. Prepare work order to clean wet well as needed.	1	LS	\$ -	\$ -	10-Apr-2020	1-Nov-2018
Rehab and Close electrical conduit on Top of Electric Panel to Avoid Rain Water Entering Panel	1	LS	\$ 1,000.00	\$ 1,000.00	10-Apr-2020	
Site Grading Along Southside Fence	1	LS	\$ 10,000.00	\$ 10,000.00	10-Apr-2020	
Reconnect Strobe Alarm System	1	LS	\$ 500.00	\$ 500.00	10-Apr-2020	
Check Valves, riser and fittings, chains, repair, clean and seal	1	LS			10-Apr-2019	
	Contingency (20%)			\$ 2,300.00		
	Total Construction Cost			\$ 13,800.00		

Table M-2: Lift Station Improvement Plan Summary (Continued)

RECOMMENDED IMPROVEMENTS TO CHARLESTON LIFT STATION						
DESCRIPTION	QTY.	UNIT	UNIT PRICE	TOTAL PRICE	SCHEDULE	COMPLETE
Check For Cause of Failure and Repair/ Replace Pump 1 (Submersible Type- 12 HP, 130 GPM)	1	EA	\$ 25,000.00	\$ 25,000.00	10-Apr-2022	
Add wet well inspection to daily inspection log. Prepare work order to clean wet well as needed.	1	LS	\$ -	\$ -	10-Apr-2022	1-Nov-2018
Inspect For Functionality and Replace 6" DI Surge Valve. (2)	2	EA	\$ 5,000.00	\$ 10,000.00	10-Apr-2022	
Address check valve, riser pipe and fittings clean and seal/paint	1	LS	\$ 2,500.00	\$ 2,500.00	10-Apr-2022	
Install Cam Lock Quick Connect to Force Main for Portable Pump. (Cost includes valves, fittings, etc. required for connection)	1	LS	\$ 5,000.00	\$ 5,000.00	10-Apr-2022	
Replace flexible piping	1	LS			10-Apr-2022	
Contingency (20%)				\$ 8,500.00		
Total Construction Cost				\$ 51,000.00		

RECOMMENDED IMPROVEMENTS TO CROSSINGS LIFT STATION						
DESCRIPTION	QTY.	UNIT	UNIT PRICE	TOTAL PRICE	SCHEDULE	COMPLETE
None. Lift station to be replaced.	0	LS	\$ -	\$ -	N/A	1-Nov-2018
Contingency (20%)				\$ -		
Total Construction Cost				\$ -		

RECOMMENDED IMPROVEMENTS TO EAST GRANDE LIFT STATION						
DESCRIPTION	QTY.	UNIT	UNIT PRICE	TOTAL PRICE	SCHEDULE	COMPLETE
Add wet well inspection to daily inspection log. Prepare work order to clean wet well as needed.	1	LS	\$ -	\$ -	N/A	1-Nov-2018
Contingency (20%)				\$ -		
Total Construction cost				\$ -		

RECOMMENDED IMPROVEMENTS TO FAULKNER LIFT STATION						
DESCRIPTION	QTY.	UNIT	UNIT PRICE	TOTAL PRICE	SCHEDULE	COMPLETE
None. Closed-packaged system. Most components could not be assessed.	0	LS	\$ -	\$ -	N/A	
Contingency (20%)				\$ -		
Total Construction Cost				\$ -		

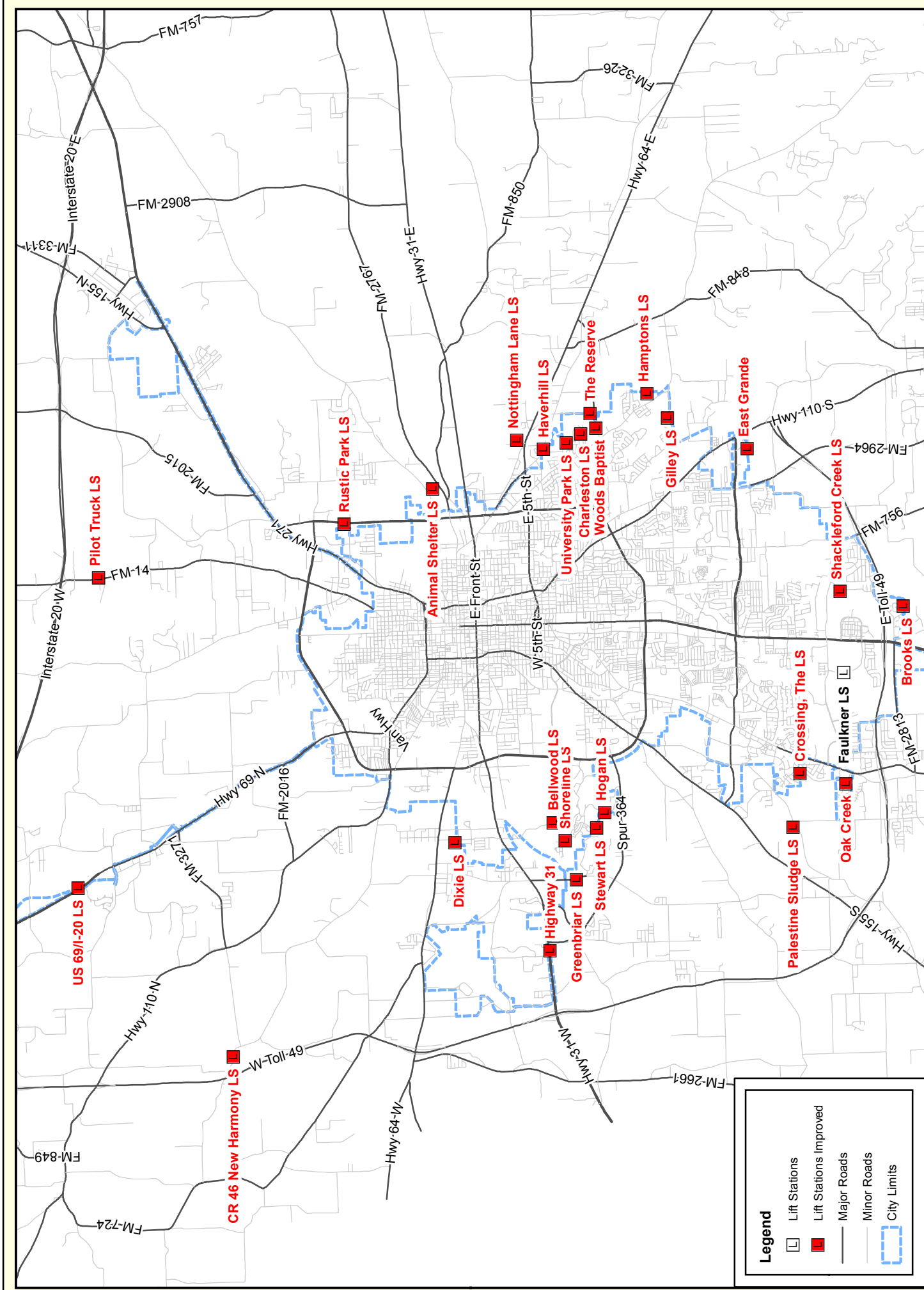
RECOMMENDED IMPROVEMENTS TO OAKS LIFT STATION						
DESCRIPTION	QTY.	UNIT	UNIT PRICE	TOTAL PRICE	SCHEDULE	COMPLETE
Add wet well inspection to daily inspection log. Prepare work order to clean wet well as needed.	1	LS	\$ -	\$ -	N/A	1-Nov-2018
Contingency (20%)				\$ -		
Total Construction Cost				\$ -		

Table M-2: Lift Station Improvement Plan Summary (Continued)

RECOMMENDED IMPROVEMENTS TO GILLEY CREEK LIFT STATION						
DESCRIPTION	QTY.	UNIT	UNIT PRICE	TOTAL PRICE	SCHEDULE	COMPLETE
Provide Flood Protection Wall Around Lift Low-Lying Lift Station (70' L x 4' H x 8" T)	1	LS	\$ 50,000.00	\$ 50,000.00	10-Apr-2022	
Add wet well inspection to daily inspection log. Prepare work order to clean wet well as needed.	1	LS	\$ -	\$ -	10-Apr-2022	1-Nov-2018
Install Strobe and Horn Alarm System	1	LS	\$ 1,000.00	\$ 1,000.00	10-Apr-2022	
Install NEMA4X electric panel on site with phase monitors and triplex transducer controls	1	LS	\$ 50,000.00	\$ 50,000.00	10-Apr-2022	
Investigate source of excessive noise.	1	LS	\$ 1,000.00	\$ 1,000.00	10-Apr-2022	18-Oct-2018
Check Valves, riser and fittings, repair, clean and seal	1	LS			10-Apr-2019	
Contingency (20%)				\$ 20,400.00		
Total Construction Cost				\$ 122,400.00		

RECOMMENDED IMPROVEMENTS TO HAMPTONS LIFT STATION						
DESCRIPTION	QTY.	UNIT	UNIT PRICE	TOTAL PRICE	SCHEDULE	COMPLETE
Add wet well inspection to daily inspection log. Prepare work order to clean wet well as needed.	1	LS	\$ -	\$ -	10-Apr-2021	1-Nov-2018
Address check valve, riser pipe and fittings corrosion. Clean and seal/paint	1	LS	\$ 2,500.00	\$ 2,500.00	10-Apr-2021	
Investigate duplex operation control	1	LS	\$ 1,500.00	\$ 1,500.00	10-Apr-2021	19-Nov-2018
Install Force Main Cam Lock for use with backup pumps	1	LS	\$ 5,000.00	\$ 5,000.00	10-Apr-2021	18-Apr-2018
Reorient Electric Panel Away From Fence To Allow Access For Maintenance	1	LS	\$ 25,000.00	\$ 25,000.00	10-Apr-2021	16-Nov-2018
Contingency (20%)				\$ 6,800.00		
Total Construction Cost				\$ 40,800.00		

RECOMMENDED IMPROVEMENTS SHACKLEFORD CREEK LIFT STATION						
DESCRIPTION	QTY.	UNIT	UNIT PRICE	TOTAL PRICE	SCHEDULE	COMPLETE
Add wet well inspection to daily inspection log. Prepare work order to clean wet well as needed.	1	EA	\$ -	\$ -	10-Apr-2022	1-Nov-2018
Address corrosion/moisture Existing Electrical Panel (first floor)	1	LS	\$ 35,000.00	\$ 35,000.00	10-Apr-2022	
Address check valve, riser pipe and fittings corrosion. Clean and seal/paint	1	LS	\$ 2,500.00	\$ 2,500.00	10-Apr-2022	
Curtain Wall Grout Foundation and Building Wall on Westside	1	LS	\$ 10,000.00	\$ 10,000.00	10-Apr-2022	
Replace Level Float	1	EA	\$ 1,000.00	\$ 1,000.00	10-Apr-2022	
Contingency (20%)				\$ 9,700.00		
Total Construction Cost				\$ 58,200.00		



Section N. Completion of Force Main Remedial Measures (Paragraph 74)

The Force Main and ARV Condition Assessment Report and Remedial Measures Plan was submitted to the EPA and TCEQ on 25 September 2018. **Table N-1**, from the submitted Force Main and ARV Condition Assessment Report and Remedial Measures Plan, follows, listing the summary of the planned remedial activities. Force Main and ARV (Air Release Valves) improvements are pending; none were completed in the final three (3) months of the 1 January 2018 through 31 December 2018 reporting period. Approval of the said Force Main and ARV Condition Assessment Report and Remedial Measures Plan is pending.

Table N-1: Summary of Force Main and ARV Improvement Plan

FORCE MAIN IMPROVEMENT PLAN	Total Cost
Nottingham Lane Force Main	\$ 61,100
Total Construction Cost	\$ 61,100
Engineering and Administrative Services (25%) =	\$ 15,275
Total Project Cost for Force Main Improvement Plan	\$ 76,375

ARV IMPROVEMENT PLAN	Total Cost
Bellwood Force Main ARV 1222	\$ 14,300
Nottingham Lane Force Main ARV 1350	\$ 12,350
Pilot Truck Force Main ARV 1260	\$ 17,550
Pilot Truck Force Main ARV 1291	\$ 17,550
Rustic Park Force Main ARV 1310	\$ 12,350
Crossing Force Main ARV 1300	\$ 22,750
Shackleford Creek ARV 1230	\$ 14,950
Prevention of Inflow into ARV manholes	\$ 3,250
Total Construction Cost	\$ 115,050
Engineering and Administrative Services (25%) =	\$ 28,763
Total Project Cost for ARV Improvement Plan	\$ 143,813

TOTAL PROJECT COST FOR FORCE MAIN AND ARV	\$ 220,188
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Section O. Additional Constructed SSO Locations (Paragraph 77)

No additional constructed SSO locations were identified during this 1 January 2018 through 31 December 2018 reporting period.